2020-21

Fort Hays State University
University Catalog

FORT HAYS STATE UNIVERSITY

Forward thinking. World ready.

www.fhsu.edu

Campus Services

Academic Advising Center
Student Success Center
Office Number:
(785) 628-5577
www.fhsu.edu/aace

Admissions
Picken Hall
Office Number: 211
(785) 628-5666
www.fhsu.edu/admissions

Alumni Association
Robbins Center
(785) 628-4430
www.fhsu.edu/alumni

Assessment/Accreditation
Custer Hall
Office Number: 101
(785) 628-4388
www.fhsu.edu/academic/aqip/accreditation

Athletics
Cunningham Hall
Office Number: 138
(785) 628-4050
www.tigersportszone.com

Business Office
Sheridan Hall
Office Number: 106
(785) 628-4464
www.fhsu.edu/adminfin

Career Services
Student Success Center
Office Number:

Counseling Services
Student Success Center
Office Number:
(785) 628-4401
www.fhsu.edu/health-and-welness/counseling/

Learning Technologies
Tomanek Hall
Office Number: 160
(785) 628-4194
www.fhsu.edu/learningtechnologies

Equal Employment
Sheridan Hall
(785) 628-4033

FHSU Foundation
Robbins Center
(785) 628-5620
http:\\foundation.fhsu.edu

FHSU Online
Hammond Hall
Office Number: 2nd Floor
(785) 628-4291
www.fhsu.edu/online/index

Financial Assistance
Picken Hall
Office Number: 202
(785) 628-4408
www.fhsu.edu/finaid

Graduate School
Picken Hall
Office Number: 306
(785) 628-4236
www.fhsu.edu/gradsch

Housing/Residential Life
McMindes Hall
Office Number: 126
(785) 628-4245
www.fhsu.edu/reslife

International Student Advisor
Sheridan Hall
Office Number:
(785) 628-4276
www.fhsu.edu/international

Medical Services
Student Success Center
Office Number:
(785) 628-4293
www.fhsu.edu/health-and-wellness/medical/index

Operator-Campus
Tomanek Hall
Office Number: 113
(785) 628-4000

Police/Security
Custer Hall
Office Number: 112
(785) 628-5304

Registrar
Picken Hall
Office Number: 302
(785) 628-4222
www.fhsu.edu/registrar

Scholarship Services
Picken Hall
Office Number: 222
(785) 628-4419
www.fhsu.edu/finaid

Student Affairs
Sheridan Hall
Office Number: 208
(785) 628-4276
www.fhsu.edu/staffairs

Student Fiscal Services
Picken Hall
Office Number: 317
(785) 628-4461
www.fhsu.edu/sfs

Teacher Licensure
Rarick Hall
Office Number: 220
(785) 628-4542
www.fhsu.edu/coe

Technology Services
Tomanek Hall
Office Number: 101
(785) 628-4235
www.fhsu.edu/ct

Testing Services
Picken Hall
Office Number: 111
(785) 628-4401
www.fhsu.edu/testing/index

University Card Center
Memorial Union
Office Number: 208
(785) 628-5533

Victor E. Apparel and Gift Co.
Memorial Union
(785) 628-5378
victoreapparelandgiftco.myresero.com

GLOSSARY - TERMS & DEFINITIONS

Academic Advisor
Students will be assigned to a faculty member to whom they can turn to for assistance with any academic decisions that they must make. The advisor will help the student identify interests and career goals, plan an academic program, particularly the classes to be taken in the upcoming semester, and will assist in any changes of schedule made after the semester is underway. When a student encounters any academic difficulty, their academic advisor should be the first stop. Undecided students are assigned an academic advisor who can also assist the student in career decisions. Although the student advising program at FHSU is specifically designed to assist students as they progress through degree programs, it is the responsibility of all students on- and off-campus to be thoroughly familiar with rules, regulations and requirements that apply to their programs of study, and final decisions made in connection therewith are the sole responsibility of the student. If a student does not know who his or her academic advisor is, the Office of the Registrar will have the information.

Academic Dean
The academic dean is the head of a college within the University. A dean reports directly to the Provost, who is the chief academic officer of the University. The dean of the college from which you plan to get your degree is responsible for academic decisions relating to your program.

Academic Policies/Procedures
Students are expected to provide academic work that represents their ability without inappropriate assistance. The University has developed policies and procedures in regard to cheating, plagiarism, collusion, abuse of resource materials, and computer misuse. Sanctions may range from a warning, loss of credit for the examination or assignments in question, failure of a course, suspension or expulsion from the University. For more information concerning academic policies and procedures, consult the Campus Directory and Student Handbook.

Academic Probation and Suspension
Students are expected to perform at a level which will lead to graduation. A minimum of a C average (2.00) is required for graduation, although specific fields may require more than the minimum (see, for example, elementary and secondary education). If grades reflect that students are not making progress towards a degree, they are placed on academic probation or academic suspension.

•Reinstatement and Appeal
If a student is placed on academic suspension, it is in the student's best interest to take at least one semester to reconsider and re-evaluate career plans. An "Application for Academic Reinstatement" may then be filed. Reinstatement is not automatic; each application will be evaluated on its own merit. A student can also appeal the academic suspension if extenuating circumstances contributed to the suspension. The student should submit an "Application for Academic Reinstatement" to appeal. There is, however, no right to reinstatement. For assistance, a student should consult with the Director of Academic Advising.

Add/Withdrawal
Courses may be added to your schedule only up to the 20th day of classes. For more information about adding a class, consult the class schedule available from the Office of the Registrar. The drop period lasts much longer although tuition is refunded fully only up to the 1st week of class.

Auditor
An auditor is permitted to "listen in" on a course but takes no part in the discussion, tests, or examinations and receives no credit. Permission to audit a course is granted by the instructor. An auditor may be withdrawn from a course at the option of the instructor. All FHSU Online courses and other courses such as swimming, keyboarding, and cabinet construction **cannot** be audited.

Certificate Programs
Certificate programs usually require between 6 and 19 credit hours and are composed of courses specific to an area of study; all classes leading to a certificate must be taken for credit; courses cannot be counted toward more than one certificate; students are designated as "certificate students" when they declare an intent to complete a certificate plan (e.g., Leadership Studies) and a university application; upon completion of certificate requirements, the program director will authorize the issuance of a printed certificate.

Classification
One's classification is the level or class of a student. Informally, a first year student is a freshman, a second year student is a sophomore, and so on. Officially, however, the number of credit hours earned determines classification:
• Freshman: 1-29 credit hours
• Sophomore: 30-59 credit hours
• Junior: 60-89 credit hours
• Senior: 90 plus credit hours
• Graduate: holds a baccalaureate degree

Cognate Course
A course related to a discipline (yet not within the major) which is required for completion of a degree program.

Concentration/Minor
A subset of 24 credit hours or less of coursework within a major or degree program (e.g., Bachelor of General Studies) with a focus on a particular topic or field (sometimes called a minor).

Co-requisite
A course/laboratory/activity required to be taken at the same time as another course/activity.

Course
A unit of academic work designed around a content area that involves a purpose, various activities, and ways of measuring success; a course is usually one semester long for which credit toward graduation is awarded; courses numbered 000-099 do not count for degree credit.

Course Numbering System
Course levels are identified by the first-digit catalog course number as shown below:
• 000-099 For undergraduate students; non-degree credit courses.
• 100-299 For undergraduate, lower-division students; freshman-sophomore courses.
• 300-499 For undergraduate, upper-division students; junior-senior courses.
• 600-699 For undergraduate, upper-division and Graduate I students. Graduate students enrolled in 600-699 level courses will be expected to produce a greater quantity and quality of work that clearly demonstrates their master of the subject matter surpasses that of undergraduates enrolled in the same course.
• 800-899 For Graduate I students; graduate credit only.

• 900-999 For Graduate II students; graduate credit only.
Graduate I: Courses designed primarily for master's students who have accumulated less than 31 credit hours of graduate work.
Graduate II: Courses designed primarily for specialist's students who have completed more than 30 credit hours of graduate work.

Credit by Examination
Pre-approved credit by examination options are offered through Advanced Placement (AP), Fort Hays State University Local Examinations, the College Level Examination Program (CLEP), Regents College Proficiency and Military Service Credit.

Credit Hour
A unit of credit earned for courses meeting as follows: one 50-minute class per week = 50 minutes x 16 = 800 minutes = 1 credit hour; two 50-minute classes per week = 100 minutes x 16 = 1,600 minutes = 2 credit hours; three 50-minute classes per week = 150 minutes x 16 = 2,400 minutes = 3 credit hours; four 50-minute classes per week = 200 minutes x 16 = 3,200 minutes = 4 credit hours; five 50-minute classes per week = 250 minutes x 16 = 4,000 minutes = 5 credit hours; two 75-minute classes per week = 150 minutes x 16 = 2,400 minutes = 3 credit hours. Three -credit hour courses meet three 50-minute periods per week; a laboratory, studio, or similar types of courses may require more than 50 minutes of contact time to earn one hour of credit.

Degree
An academic title Fort Hays State University is authorized by the Kansas Board of Regents to confer on individual students as official recognition for completion of a degree program; a student may receive more than one degree.

Degree Program
A prescribed academic plan of study consisting of no less than 120 credit hours in which a student usually pursues at least one major or area of concentration (e.g., the Bachelor of General Studies).

Degree Seeking
A student who desires to earn a baccalaureate or associate degree at the university.

Degree Summary
A degree summary showing the requirements for a degree program and courses completed is prepared by the transcript analysts in the Office of the Registrar for each first-semester junior. The advisor and student should sign the summary no later than the end of a student's first-semester of their junior year. The signed summary is placed on file with the transcript analysts in the Office of the Registrar. Students are encouraged to confer with the transcript analysts pertaining to degree programs.

Department
An administrative unit for organizing, coordinating, and delivering educational services; a department can administer more than one program; one of 31 academic units (not programs) in the university's academic affairs division.

Electives
Sometimes called free electives a course selected by a student with or without an advisor's consultation; electives are usually within a major or special program (e.g., general education); a course not required for any program or special requirement is known as a "free elective."

Full-time Student
An undergraduate student registered for 12 or more credit hours, or any graduate student registered for 9 or more credit hours.

Grade Point Average
The grade point average is determined by dividing the total number of grade points earned by the total number of credit hours in which grade points are recorded.

Grading and Point System
An evaluation of a student's work is given in terms listed below. Final grades for a course will be recorded in letter grades.
• A Superior Achievement: 4 grade points per credit
• B Good Achievement: 3 grade points per credit
• C Average Achievement: 2 grade points per credit
• D Minimum Passing Achievement: 1 grade point per credit
• U Unsatisfactory Achievement: 0 grade points per credit
• AUD Audit
• I Incomplete:
-- Undergraduate Students: Work of otherwise passing quality; incomplete for adequate reasons, usually beyond the student's control. The maximum length of time for fulfillment of requirements to remove an incomplete grade shall be one year. If work is not completed within this time, the incomplete will revert to a grade of "NC."
-- Graduate Students: Incomplete work for regularly scheduled graduate classes and workshops that are normally completed during the regular semester or summer term must be completed within a year after the grade of "I" is given. If the graduate work is not completed within the one year time limit, the "I" will remain on the transcript; graduate credit can be given only when the graduate student re-enrolls in the graduate course and satisfactorily completes the required work.
• P Pass
• CR Credit
• W Withdrawal (from a course up to six weeks before the end of the semester or three weeks before end of summer term)
• NC No Credit (not used in calculating GPA

Graduate
A student who has earned a baccalaureate degree and is pursuing non-degree, post-baccalaureate graduate studies, master's or education specialist degree studies.

Graduate Courses
Courses 600-699 may be taken as Graduate I credit. Graduate students enrolled in 600-699 level courses will be expected to produce a greater quantity and quality of work that clearly demonstrates their mastery of the subject matter surpasses that of undergraduates enrolled in the same class. 800-899 are for graduate students only; 900-999 are for students in specialist degree programs.

Hours
Sometimes referred to as semester credit hours unless specifically stated otherwise.

Laboratory
A course involving supervised experimentation or practice related to an academic area; generally requires hands-on use of equipment and materials.

Lower-Division Courses
Courses numbered 100-299 ordinarily taken by freshmen and sophomores.

Major
An undergraduate academic program/plan consisting of 30 or more credit hours in which a student concentrates disciplinary coursework; most undergraduate degrees require a major for graduation.

Master's Degree
A prescribed academic plan of study consisting of no less than 30 hours and generally requiring 1 or 2 years of study beyond the bachelor's degree.

Matriculation
Enrollment in the University. An admitted student does not matriculate until actually enrolled in classes.

Mid-term
Halfway point in the academic semester. Faculty are required to submit mid-term grades of "pass," "D," "U," or "fail" online. Grades are available to students on Workday.

Minor
An academic program consisting of at least 20 but no more than 24 credit hours of coursework taken by students outside their chosen major(s); students cannot have minors within their majors.

Pre-Enrollment
The pre-enrollment process occurs when classes are submitted thru Workday. Pre-enrollment should occur after consultation with your academic advisor.

Prerequisite
A course/requirement to be successfully completed or a condition to be met before a student may enroll in a specific course, laboratory, program, etc.

Program
A system of courses (curriculum) and learning opportunities (co-curricular and extra curricular) arranged in a coherent, comprehensive pattern to produce a well-defined, measurable, and desired set of learning outcomes; an academic plan to foster students' academic development; programs are commonly administered by a department or director.

Provost
The Provost is the Chief Academic Officer of the University. The Deans of the colleges report to the Provost.

Required Course
Coursework or courses within a specific department/program which must be completed by students who have selected the program (e.g., major, minor, concentration, area of emphasis); a course can be specified in a program or be unspecified and selected from a listing of required courses.

Semester
Normally a semester is 15-16 calendar weeks.

Sequence
Some courses must be taken in a specific order of sequence because each serves as a prerequisite for the next course in line. If a student's degree program includes any sequences, they should begin early enough to insure that the sequence can be completed in time for graduation. A student's academic advisor can help plan for such courses.

Special Student
A student who has earned a baccalaureate degree and is pursuing post-baccalaureate studies at the undergraduate level; special students are not permitted to enroll in graduate courses for graduate credit.

Sub-baccalaureate degree
An award granted for the successful completion studies requiring an academic plan of 2 years or less; typically known as associate degrees or certificates.

Summer Session
An enrollment period that begins after the spring semester ends.

Syllabus
A written description of the course, assignments, grading policy, exams, etc., which is provided by the instructors at the beginning of each course. It is advisable for students to thoroughly read their syllabus to understand what is expected of them in the course.

Symbols
* General Education Course
+ Course may be repeated
# Lab required
PERM Permission
PR Pre-requisite

Upper-Division Courses
Courses numbered from 300-499 ordinarily taken by Juniors and Seniors; courses numbered from 600-699 may also be taken by Juniors and Seniors as undergraduate credit. Students must earn 45 credit hours of upper-division courses to complete graduation requirements.

History of Fort Hays State University

Fort Hays State University (FHSU) is a state, tax-assisted liberal and applied arts university established and maintained by the state to serve the people of Kansas. The university was established to satisfy a need felt by the early settlers for educational facilities in the new region. Martin Allen, a horticulturist who came to Hays in 1873, and other Hays residents, conceived the idea of using the Fort Hays Military Reservation land, about to be abandoned by the government, for experimental and educational purposes.

The fort was abandoned in 1889. From that time until 1900, the proposal for its use was repeatedly presented to Congress by farseeing residents of the area. In 1900 the federal government enacted legislation granting the land to the state of Kansas for a state college, an agricultural experimental station, and a state park. In 1901 the Kansas legislature accepted the grant.

On June 23, 1902, the university opened with 34 students, 2 faculty members, and 19 courses. For two years, sessions were held in two old buildings on the fort grounds. In 1904, the first stone building was completed on the "flats" adjacent to Hays and the young institution was moved to its present location. The university opened as the Western Branch of the Kansas Normal School of Emporia. The curriculum for the first two years consisted of the upper two years of high school supplemented by courses in teaching methods. After 1910, eight years of work were offered, four of secondary school and four of college.

The first degree, A.B. in Education, was authorized at this time, although the degree was later changed to B.S. in Education. Liberal arts degrees of A.B. and B.S. were authorized in 1930. Graduate work leading to the master's degree was first offered in 1929; in 1958 the university was given permission to grant the specialist in education degree.

During its years of educational service, the university has had several changes in its name. In 1914, the Hays Normal was made independent of the Emporia Normal School and its name became Fort Hays Kansas State Normal School. In 1923, the name of the university was changed to Kansas State Teachers College of Hays. The right to confer liberal arts degrees was approved by the Board of Regents early in 1931 and the legislature authorized the change to the name of Fort Hays Kansas State College in the same year.

In 1977, the name was changed to Fort Hays State University.

GENERAL INFORMATION

Mission of Fort Hays State

Fort Hays State University provides accessible quality education to Kansas, the nation, and the world through an innovative community of teacher-scholars and professionals to develop engaged global citizen-leaders.

Accreditation

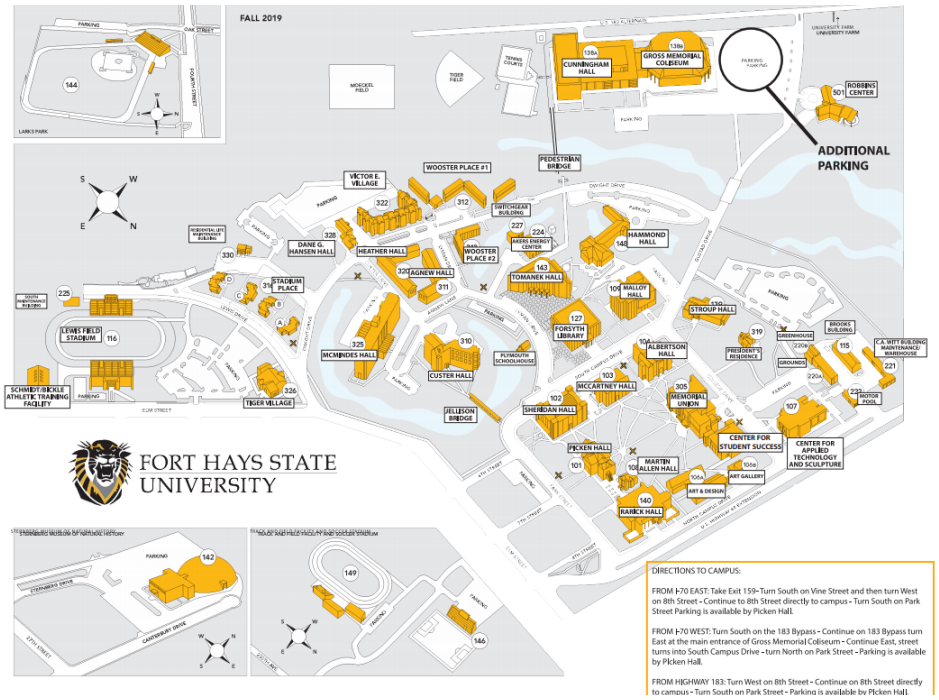
Fort Hays State University is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504, USA, (800) 621-7440; or (312) 263-0456. The Higher Learning Commission and the North Central Association (NCA) is an institutional accrediting agency recognized by the United States Secretary of Education.

The teacher education programs are accredited by the Kansas State Department of Education and the National Council for Accreditation of Teacher Education. The Athletic Training Education Program is currently accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The nursing program is accredited in Kansas by the Kansas State Board of Nursing and accredited nationally by the Commission on Collegiate Nursing Education.

The graduate program in speech-language pathology is nationally accredited by the Council on Academic Accreditation of the American Speech -Language-Hearing Association. The radiologic technology program is accredited by the Joint Review Committee on Education in Radiologic Technology. The social work program is nationally accredited by the Council on Social Work Education.

The music program is nationally accredited by the National Association of Schools of Music. The university is also approved by and holds membership in the following: Council of Graduate Schools of the United States, American Association of Colleges for Teacher Education, Council of Academic Programs in Communication Sciences and Disorders, Midwestern Association of Graduate Schools, and Association of Graduate Liberal Studies Program.

Campus



See online map for most recent version (https://www.fhsu.edu/visitors/Campus-Map/index)

The campus of Fort Hays State University is located adjacent to and southwest of the Hays city limits on Big Creek, a wooded stream which flows through the campus. This area, consisting of about 200 developed acres, is a part of 7,600 acres which was once the old Fort Hays military reservation. The university was assigned 4,160 acres of this land. The remaining area is used for agricultural purposes, student vocational projects, and research by university classes.

The campus and the adjacent state park furnish areas for recreation and sports. Big Creek provides fishing and skating facilities, and furnishes excellent field facilities and materials for biological science research.

Campus, Publications and Student Services

Galleries of Art

The Moss-Thorns Gallery of Art, adjacent to the Center for Art and Design, provides a year-round program of fine arts exhibitions. Faculty and students of the Department of Art and Design select historical and contemporary shows and annually sponsor the Faculty Exhibit, the Student Honors Exhibition, and the juried Great Plains National Exhibition. Guest artists, faculty, and students exhibit in a professional art gallery setting. The Stouffer Lounge, located on the second floor of the Memorial Union, features special exhibits. The Fine Arts Committee of the Memorial Union Activities Board arranges these exhibits.

Technology Services

Technology Services is a service department of the university, providing computing, telephone, and networking services for faculty, staff, and students. Technology Services maintains a comprehensive student and fiscal administrative system, consults on microcomputer systems for grants, purchases, and repair; installs network connections; configures and maintains LAN servers for departments and labs; designs and maintains mediated classrooms; manages media and computer equipment checkout; provides

Internet dialup services for off-campus users; hosts Internet web services; and trains users for essential administrative and academic systems. The central administrative system feeds data to a data warehouse used for decision support. Students access their transcripts, demographic data, course data, and financial data via the internet. FHSU Online students enroll using the web. Technology Services supports Outlook, a campus-wide e-mail system, calendar, and workgroup computing system. Technology Services is designing a new portal functionality for the administrative system to provide more personalized access to and more self-service functionality with administrative data. Located in Tomanek Hall, Technology Services manages three open computing labs, a student helpdesk, and the campus switchboard services on the first floor. The CTC plays an active role in the Regents Information Technology Council, a group that helps coordinate computing efforts of universities across the state, and in ITAB, a statewide Info. Technology Advisory Board.

The Docking Institute of Public Affairs

The Docking Institute of Public Affairs is an award-winning university-based public policy research and analysis organization. The mission of the Institute is to facilitate effective public policy decision making by linking the research and consulting capabilities of its staff, the Fort Hays State University faculty and other subject matter experts with non-profit organizations, governmental entities and economic development officials. In fulfilling its mission, the Institute plays a major role in researching and analyzing key local, statewide and national policy issues.

The Institute's six primary programs are: public policy and public opinion research; program evaluation research; grants facilitation; strategic planning and group facilitation; public affairs programming through conferences, speakers, mass media programming, and scholarly publications; and training programs in public administration. The Institute operates the University Center for Survey Research, which conducts telephone, mail, Internet and face-to-face surveys, using the latest industry standards for methodology and technological applications.

Students participate in the Institute's activities in progressively responsible roles. Students have the opportunity to perform research, administer surveys and participate in administrative activities. Internships are available through several academic departments. Graduate assistant positions are available on a competitive basis for students interested in survey research, grant writing, public policy and administration, and economics.

Since its founding, the Docking Institute of Public Affairs has worked with hundreds of local, state and regional organizations, agencies and communities to assist them in charting their future success.

Alumni Association

The Fort Hays State University Alumni Association, incorporated under the laws of Kansas, seeks to promote the interests and purposes of the university through various activities and to serve alumni of the university. All FHSU graduates, former students, and friends of the university are eligible for active membership in this association through a dues payment system.

The association functions as a major public relations arm of the university, and the office maintains records of graduates, former students, donors, and friends of the university. Activities include an awards program, chapter meetings, e-mail forwarding service, student-related services, global travel program, homecoming, insurance programs, class reunions, and publication of the FHSU Magazine and the FHSU-TigerTalk.

FHSU Foundation

FHSU alumni and friends who make contributions to benefit the university direct their donations to the FHSU Foundations Association. The association was incorporated in 1945 as a 501(c)3 organization. The association is authorized to receive real and personal properties, monies, and other items of value given for the use or benefit of the university. It is responsible for the management and administration of funds and properties under its jurisdiction for the benefits of the university, its students, employees, and departments. Policies are formed by a board of trustees and administered by an executive committee and president.

Contributions to the Foundations Association are essential to FHSU because they provide a permanent source of funding for academic programs, faculty, staff, and students. Annual solicitation campaigns of alumni and friends are conducted which inform donors of university activities and also provide them with an opportunity to assist FHSU programs of their choice. A vital part of the Endowment's resources are the endowed funds. With an endowed gift, the principal amount is invested and remains untouched.

The investment earnings are used to provide income which gives FHSU the ability to plan and implement long-term strategies for program improvement. Investing in the education of our students at FHSU is an investment in our future.

Herndon Speech-Language-Hearing Clinic

Students, faculty, and others in the community and region who suspect they have a speech, language, or hearing problem are encouraged to contact the clinic. The Herndon Clinic is charged with a dual mission: (1) to provide comprehensive services in speech, language, and hearing to all persons and (2) to provide professional clinical training for upper-level and graduate students majoring in speech-language pathology. Eight certified speech-language pathologists and one certified audiologist supervise student clinicians providing wide-ranging diagnostic and intervention services.

Services for evaluation and intervention are available for all communicative disorders. Disorders may occur in: language (structure, meaning, and use), speech sound production (articulation), fluency (timing-rhythm), and voice (pitch-loudness-quality). These disorders can stem from a wide variety of conditions including neurological impairments, structural defects, hearing impairment, and functional misuse. Multiple causality with interrelated variables is frequently seen.

The Herndon Clinic also offers services for accent modification and development and care of the professional voice. Early intervention services are provided at the campus clinic and in the community. Evaluating needs for assistive technology for communication is a highly specialized function of the clinic for children and adults. Complete audiological evaluations are available for assessing the degree and type of hearing loss. Aural rehabilitation services include instruction in speechreading (lip-reading), auditory training, use of hearing aids, and assistance in adjustment to hearing loss.

The Herndon Speech-Language-Hearing Clinic is easily-accessible on the first floor of Albertson Hall, with reserved parking at the southwest corner of the building. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. For appointments or additional information, contact (785) 628-5366 or see our website www.fhsu.edu/commdis/herndon.shtml .

Tiger Tots

Tiger Tots Preschool Center provides a pre-school childcare facility to children of university students, staff, and faculty. The daily activities are designed to meet the cognitive and emotional needs of each child. Tiger Tots is licensed to enroll children between the ages of 30 months through five years of age and has a capacity for 24 children at any given time.

The Center is open from 7:30 a.m. to 5:00 p.m. on the days that classes are in session.

University Calendar

The University Calendar is managed by the Memorial Union. Any student, faculty member, department, or organization desiring to list an event on the University Calendar should contact the reservations office.

Division of Student Affairs

The university provides for each student an environment which is intended to foster a living and learning experience. Offices in the Division of Student Affairs exist to help the student develop as a total person. A description of these offices and the environment follows.

STUDENT SERVICES

Academic Advising and Career Exploration Center

Major Exploration Services: The Academic Advising and Career Exploration Center (AACE) offers major exploration services to assist individuals who are uncertain about which major or career to pursue. Staff will assist individuals in identifying their interests, abilities, experiences, and values for lifestyle planning and major decision-making.

Undecided Student Advisement: The Academic Advising and Career Exploration Center (AACE) provides advisement, registration and grade improvement planning services to students who have not declared a major. These services are linked to major exploration services that assist student in making meaningful career and educational decisions. The model of advisement employed with undecided students is developmental with careful attention paid to the unique circumstances of each student.

Services for Community Members: For a fee, individuals not currently enrolled at the university may receive major exploration services, as scheduling permits.

Career Services

Career Services assists students, alumni, and community residents in acquiring the skills necessary for a successful job search and provides extensive information on numerous employment opportunities. Services/resources offered include job search and graduate school assistance, job vacancy listings for education/non-education positions, nationwide vacancy publications, workshops on resume preparation and interviewing/job search strategies, personalized resume/cover letter writing assistance, education credential files, resume referral service, on-campus interviewing, employer literature, state and federal government job information, employment directories, career fairs for all majors, part-time jobs, summer jobs/internships, and internet job searching.

Registration: All alumni, undergraduate, and graduate students are eligible to use Career Services. Register early to work on developing a resume and cover letter for internships, full-time employment, and graduate school. Early registration is important as many employers recruit candidates throughout the year.

Students must register with Career Services by signing a Records Release Authorization Form and uploading a resume online before interviewing for internships and full-time jobs on-campus. Once a resume is uploaded, it is available to employers through the Web Resume Book and referral program.

Overview: Throughout the year, current students and alumni have the opportunity to interview with representatives from various organizations that come to campus in search of new employees. Each semester, sessions are conducted on job search strategies including resume and cover letter preparation, interviewing techniques, and other job related employment skills. Employers nationwide list current job vacancies which are posted on the web. Additionally, the office receives vacancy publications from organizations nationwide that list job vacancies for all majors. The resume referral system matches registrant qualifications with an employer's vacancy. Referrals are made at the request of the employer or as the situation dictates. A coordinated effort between Career Services and the Alumni Office provides students with additional information on job vacancies.

Employer Resource Library: Numerous resources are available for student use in researching organizations and locat-

ing potential employers. These resources include free Job Search handbooks for all majors, national/international employment directories, chamber of commerce contact directories, and an extensive website inclu-information, state and federal government information, company and school district literature, business ding prospective employer lists by major. For students applying to graduate school, resources are available for assistance in writing personal statements and essays.

Part-time Jobs/Summer Jobs/ Internships: Summer job/internship publications and a variety of directories are provided to help students in identifying opportunities for career-related work experience. Additionally, there are summer job and internship opportunities posted on our website along with on-campus interviewing opportunities for such positions.

The "Jobs for Tigers" program assists students in locating part-time, off-campus employment in the Hays area. Positions are listed on bulletin boards in the Memorial Union and in the Student Success Centerneter, and also on our Career Services website. Students and spouses must register for the Jobs for Tigers program each semester. Registration forms are available in the Student Success Center, and also on the Career Services website.

Exchange Programs

International Student Exchange Program: The International Student Exchange Program allows university students the opportunity to enroll in a foreign university for a semester or year of study. These universities are located in more than 46 countries on 6 continents. Students can earn academic credit toward their degree while participating in the life of their host institution and country. This program, designed for both undergraduate and graduate students, is handled through the International Student Exchange Coordinator and is located in the Office of Student Affairs, Sheridan Hall 208.

Kansas/Paraguay Exchange Program: The university is a member of the six Board of Regents universities in Kansas that has a reciprocal faculty and student exchange program with the two universities in Paraguay--the National University of Asuncion and the Catholic University of Our Lady of Asuncion. This program provides the opportunity for faculty and students to study or do research while living in Paraguay, with students also having the opportunity to earn academic credit. This program is handled through the International Student Exchange Coordinator located in the Office of Student Affairs, Sheridan Hall 208.

National Student Exchange: Fort Hays State University participates in the National Student Exchange with over 130 other colleges and universities throughout the United States. Students broaden their understanding of our world by experiencing different physical and social surroundings and expanding their horizons. This program, designed for sophomores and juniors, is handled through the National Student Exchange Coordinator and is located in the basement of the Forsyth Library.

Study and Travel Abroad Programs: Information on summer study abroad and travel abroad may be found on the university web site at http://www.fhsu.edu/academic/internationalization/studyabroad. Each year dates and costs of these programs change. These programs are designed for both undergraduate and graduate students and are handled through the Office of Internationalization, located in the basement of the Forsyth Library.

International Student Services

The Coordinator of International Student Services provides academic, personal, financial, and immigration counseling for international students. An orientation session for new international students at the beginning of each semester, a monthly international student newsletter, and special campus and community programs are among the services offered to international students.

Health and Wellness Services

Counseling Services

The mission of the Counseling Center is to provide the students of Fort Hays State University with comprehensive services to enhance student learning, facilitate personal development, and expand career opportunities. In addition, the Center promotes healthy lifestyles and provides practicum, intern, and graduate assistantship learning opportunities to prepare new professionals for the 21st century. The Center's mission is accomplished through direct service, training and supervision, and collaboration with other university departments, committees, and organizations. Most of the Center's services are free to the members of the FHSU community. The Center is staffed by a team of counselors, psychologists, graduate students, and other students at various levels of training. All staff adhere to the highest professional standards and the work of all students-in-training is supervised closely and continuously by professional staff. Information disclosed between individuals and the Center's staff is confidential. No information is released without a person's written permission except in circumstances which would result in clear danger to the individual or others, or as may be required by law. For appointment or additional information contact (785) 628-4401.

Academic Support and Tutoring: *This has now moved to Student Retention.*

Alcohol and Drug Abuse Treatment and Prevention Programs (DAWN): Through its sponsorship of peer education groups and collaborations with student athletes, DAWN provides a wide array of prevention and education programs to encourage the university community to make responsible decisions about alcohol and drugs. For those experiencing negative consequences from less than responsible choices in the past, DAWN operates a state-licensed drug and alcohol outpatient assessment, counseling, education, and referral service. These services are available to any member of the FHSU community.

Personal Counseling Services: The Center provides short-term individual, couple and group counseling to assist individuals in identifying problems, developing alternatives, and making decisions. Counseling services address concerns such as, but not limited to, depression, anxiety, relationship difficulties, stress management, anger management, eating disorders, coping with transitions, and changing self-defeating behaviors. Crisis intervention is available on a 24-hour basis for individuals living on campus. The Center also provides psychological testing and appropriate referrals to local mental health providers.

Testing Services: *The Testing Services and Prometric Testing Center can now be found in Picken Hall, Room 117.*

Medical Services

The Medical Center is committed to providing high quality health care and educational outreach services. Our approach focuses on the delivery of comprehensive and individualized care that emphasizes the promotion of personal wellness. Within the college community, we strive to empower

students with knowledge designed to encourage healthy living.

The FHSU Student Health Center is staffed by a part-time physician, nurse practitioners, registered nurses, certified nurse's aides and support staff. The office is open Monday through Friday from 8:00 am to 4:30 pm and closed on weekends and holidays. Appointments can be made by calling (785) 628-4293. Walk-ins are also welcome.

Upon appointment check-in, all patients must provide their Tiger ID Card *and* insurance card at time of service. The Center accepts most forms of insurance and submits to numerous carriers. Prescribed and over-the-counter medications are available and can be purchased from the Center. All forms of payment are accepted: cash, check, credit card, and Tiger Card. Patients will be notified of all outstanding balances via their FHSU email account.

Care at the Center is private and confidential. This means that a patient's medical information or even the fact that a medical appointment occurred cannot be shared with any parties unless written consent is given. We look forward to being a part of your FHSU experience. Please feel free to stop by the Center (located in the Fischli-Wills Center for Student Success) for any health related questions or concerns.

Accessibility Services

Students with disabilities are provided assistance in obtaining reasonable accommodations to meet their academic needs. Services include pre-enrollment assistance, note takers, provision of quiet testing environments, and/or other related accommodations unique to individual student situations. Consultation with faculty and staff is also provided. Students seeking services should register with Student Accesibility Services by submitting documentation and completing the three-step process outlined on their website https://www.fhsu.edu/health-and-wellness/accessibility/get-access.

Memorial Union

The original building was completed in 1923, dedicated in 1958 and rededicated in 1983 as a memorial to all former students who gave their lives in defense of their country. The union is the community center for the university family—students, faculty, administration, alumni, and guests. In 1970, an addition was completed to form the facility that exists today. Renovation and expansion was scheduled once again began in the summer of 2005 and after many beautiful improvements there was an "End of Renovation Celebration" in September 2007.

The Memorial Union serves as an excellent place for relaxing, eating, meeting people, studying, buying supplies and FHSU "tiger wear," playing pool, purchasing tickets, attending banquets and special events such as the Madrigal Dinner, conducting banking business, or just plain hanging out. The services, facilities and programs in the Union are extensive and diverse.

(*The Union is also home to some of FHSU's most active student organizations. The Student Government Association (SGA) and University Activities Board (UAB) offer students the opportunities to be involved on campus. As a center for University activities and services, meeting students' needs is a top priority.)* ***These are now located in the Fischli-Wills Center for Student Success***

The following facilities and offices are located in the Union:

Student Activities and Special Events – Coordinator of Student Activities and Special Events including the Encore Series. (628-5801)

Student Health Center – Providing high quality, compassionately delivered, health & wellness education for individual students and the university community. (628 -4293)

University Activities Board (UAB) – This university-wide, student-run activity board presents a variety of programs throughout the school year including social, cultural, recreational, and educational opportunities. (628-5355)

Automatic Teller Machine – Accessible 24 hours a day.

University Food Service – Providing catering services on and off campus. (628 -5396)

Union Station – Serving breakfast and lunch, Union Station offers a broad menu in a location convenient to FHSU students, faculty and staff. New in 2004 -- Pizza Hut Express and Starbucks Coffee!

Grab' N Go – Snack shop and convenience store.

Senior Companion Foster Grandparent Program – Has now moved to Rarick Hall.

Sunset Lounge – A relaxing atmosphere for students wishing to study or relax, and a popular place for receptions and as a registration area for conferences and seminars.

Student Service Center – Services include personal check cashing, ticket sales, FAX services, payment center for Tiger Tots Preschool Center, billiards equipment and Foosball check out, postal services and distribution of student paychecks. (628-5306)

Victor E. Apparel and Gift Co. – Wide selection of FHSU clothing and giftware as well as school supplies. (628-4417)

Union Administration Office – Reservations, copies, notary and information. (628-5305)

University Card Center – Providing production of original and replacement identification cards for FHSU students, staff and faculty. (628-5533)

Meeting Rooms and Ballrooms – Small and large spaces designed to accommodate groups from 10 to over 350 people, the rooms are used for job fairs, dinners, dances, weddings, receptions, seminars and meetings.

Through the University Activities Board (UAB) the Union strives to present a well-rounded program of cultural, educational, social, and recreational activities. Participation in UAB promotes leadership development and helps fulfill the Union's role as a vital part of the University's educational program.

The Memorial Union is an active participant in the Association of College Unions International (ACUI) and also holds membership in the National Association for Campus Activities (NACA). These organizations provide the Union's professional staff and student leaders with opportunities to develop the Union and to provide services and programs which are beneficial and of interest to the University Community.

Student Identification Cards

Students should obtain a Tiger Card at the Card Center in the Memorial Union during initial enrollment at the University. The card is required for the check-out of library materials and access to residential life meal plans and cafeteria flexi-cash, tickets for athletic and cultural events, student paychecks, computer labs, the Student Health Center and HHP recreational areas.

Optional uses for the Tiger Card include vending/copy machine access and Commerce Bank services. Your excess financial aid (the balance after tuition fees) will be deposited directly into your Tiger Card Account at Commerce Bank. Students may purchase the Tiger Card at the Card Center, (2nd floor, Memorial Union), for $5. A photo ID must be presented when applying for a Tiger Card. **Replacement cost for a Tiger Card is $10.**

Student Residential Life

General Policy: Every unmarried student who enrolls within one year following the date their class graduated from high school is required to live in a university residence hall, a sorority or fraternity house, or in the home of their parent or legal guardian during their first year of enrollment.

This policy is based upon decades of research which shows that if a student lives in university housing they are more likely to succeed academically, master the university culture and graduate on time. An on-campus address provides a vital, supportive setting for personal interaction with other students, faculty and staff, as well as exposure to new ideas and differing attitudes, opinions and lifestyles.

Residence Halls: The four residence halls of Fort Hays State University offer a broad range of living styles and arrangements. Agnew Hall and Custer Hall are smaller communities that offer coed living arrangements by wing or by floor. McMindes Hall and Wiest Hall are co-ed residences for university men and women.

Fraternities: Three national social fraternities offer room and board accommodations in chapter houses for approximately 100 men. The fraternities represented on campus are Sigma Alpha Epsilon, Sigma Chi, and Tau Kappa Epsilon.

Sororities: Three national social sororities offer room and board accommodations in chapter houses for approximately 100 women. The sororities represented on campus are Alpha Gamma Delta, Delta Zeta, and Sigma Sigma Sigma.

Athletics

Varsity sports for men include baseball, basketball, cross country, football, golf, track and field, and wrestling. Women's varsity sports include basketball, cross country, golf, softball, soccer, tennis, track and field, and volleyball. Men's and women's spirit squad is also a part of FHSU's extensive athletic program.

Comprehensive academic support services are provided for student-athletes through the Athletic Academic Coordinator's office.

The university is a member of the Mid-America Intercollegiate Athletic Association (MIAA) and the National Collegiate Athletics Association Division II. The wrestling program is an associate member of the Rocky Mountain Athletic Conference (RMAC). Members of the MIAA include colleges and universities representing three states:

Fort Hays State University; University of Central Missouri; Emporia State University; Missouri Southern State University; Missouri Western State University; University of Nebraska-Omaha; Northwest Missouri State University;

Informatics Activities

The Tiger Media Network, tmn.fhsu.edu, debuted in the fall of 2013 and is part of the university's first-ever convergent media program.

TMN is a result of much research and discussion that began in spring 2013 about the future of student media at FHSU. Former President Edward Hammond formed a task force led by Chris Crawford '89, '90, former vice provost for quality management.

The task force created an open Facebook group and invited input from students, alumni, faculty and staff, and others interested in the future of FHSU student media. They also held open forums on campus and invited feedback and discussion. New courses were added and others revised to prepare students for this new way of disseminating news and information.

This is a great opportunity for FHSU students, given that most news goes out via different venues, thus better preparing them for careers in journalism.

Student Government Association (SGA)

The purpose of Student Government Association on the Fort Hays State campus is to serve, protect and promote the interests and rights of students. Our goal is to be the voice of the students and work on behalf of their concern. Student Government works with every student organization on campus, as it provides an open forum for leaders to discuss concerns and it allocates funding to the organizations. In addition, Student Government serves as the voice of FHSU students to the Kansas Board of Regents.

Much like our nation and state governing bodies, FHSU student government is divided into three branches. The executive branch consists of an elected president and vice president, and an appointed treasurer, executive assistant, legislative affairs director, and administrative assistant. The legislative branch is comprised of senators elected from all areas of student life. The Student-Faculty Court decides all judicial matters.

Participating in Student Government is a great opportunity for students to learn about the university and serve the student body. Senators and staff must have a genuine desire to represent their constituents and be willing to participate in discussions. They also must be enrolled in at least 12 credit hours and maintain a 2.0 or higher GPA. Senate meetings are held every Thursday evening at 7:00 p.m.

The Student Government Office is located in the Student Success Center. Office hours are 8:30 a.m. to 4:30 p.m. Monday through Friday.

Music

Musical organizations include band, choir, orchestra, and smaller ensembles such as Brass Choir, Fort Hays Singers, Jazz Ensemble, Percussion Ensemble, and chamber ensembles.

In addition, two fraternal groups—Phi Mu Alpha Sinfonia for men and Sigma Alpha Iota for women—and Collegiate Music Educators National Conference, provide opportunities for association among students interested in music. Members of performing organizations may earn academic credit for participation.

FHSU theater produces a variety of student-directed, one-act plays and five major dramas each year.

Student Organizations

Student organizations are a part of the total educational curriculum available to students. They provide opportunities to grow mentally, physically, socially, and spiritually. Therefore, the university recommends that every student participate each semester in at least one organization outside the student's major field of interest.

Each student group desiring to be registered by the university must be approved by the Student Organizations Committee which is composed of students and faculty. Students organizing a new group and seeking official registration should: (1) inquire in the Office of Student Affairs about the possibility and advisability of establishing a new organization and (2) secure from the Office of Student Affairs a statement of policies dealing with student organizations and the "Application for Registration" form to submit to the Student Organizations Committee.

After having achieved initial registration, student organizations annually submit brief reports to the Student Organizations Committee to be considered for continued registration by the university. All registered student organizations are expected to comply with the policies of the Student Organizations Committee and the university.

University Policy and Value Statements

Equal Employment Opportunity

The purpose of the Equal Employment Opportunity (EEO) Program is to affirm and ensure FHSU's policy to recruit, hire, and promote persons in all job classifications without regard to age, race, color, religion, gender, national origin, disability, or veteran status. All personnel actions such as recruitment, selection, compensation, benefits, promotions, transfers, and education are under the university's EEO Program. However, equal opportunity goals shall not be limited to areas of employment. Equal opportunity is understood to include equal access to every benefit of the institution, i.e., admission, financial aid, housing, classes, athletics, social and academic organizations, etc.

The ultimate responsibility for the EEO Program lies with the president of FHSU. Implementation of the program is the responsibility of the EEO officer. All deans, department heads, supervisors, and all personnel responsible for hiring and promotion are charged with supporting the university's EEO Program and with providing leadership in carrying out its goals and objectives.

Notice of Non-discrimination:

Fort Hays State University does not discriminate on the basis of gender, race, religion, national origin, color, age, disability, veteran status in its programs and activities. The Equal Employment Opportunity (EEO) officer may be contacted at 600 Park Street, Hays, KS 67601, (785) 628-4033.

Notice of Accessibility:

Fort Hays State University will ensure that no qualified person with a disability is denied the benefits of, excluded from participation in, or otherwise subjected to discrimination because of inaccessibility to education programs and activities operated of Fort Hays State University. For information pertaining to services, activities, and facilities that are accessible to persons with disabilities, contact the Disability Student Services Office.

Policy Relative to Harassment:

Fort Hays State University is committed to an environment in which students, faculty, administrators, and staff (both classified and unclassified) can work together in an atmosphere free from harassment, exploitation, or intimidation. It is the policy of Fort Hays State University to prohibit harassment of individuals on the basis of their status as a member of a protected class. The protections afforded by this policy apply equally to all segments of the university community.

Protected Class and Sexual Harassment Grievance Policy:

The purpose of the Protected Class and Sexual Harassment Grievance Policy is to provide an internal means of resolving grievances involving an alleged violation of university policies and federal and state laws which are intended to provide equal opportunity in employment and prohibit discrimination and harassment in education and employment

Privacy Rights and Notification of Rights Under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1) The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2) The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for an amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4) The right to file a complaint with the U.S. Department of Education concerning alleged failures by Fort Hays State University to comply with the requirements of FERPA.

The name and address of the office that administers FERPA are: Family Policy Compliance Officer, U.S. Department of Education, 600 Independent Avenue SW, Washington, DC 20202-4605.

Philosophy Concerning Alcohol and the Use of Other Drugs

Fort Hays State University has long since recognized that an academic community is harmed in many ways by the abuse of alcohol and the use of other drugs. This high-risk behavior is exemplified by decreased productivity of members of the community, mental health problems, strained social interactions as well as forms

of vandalism.

Problems associated with the illicit use and abuse of substances have a pervasive impact upon our academic community and are not associated with a singular socioeconomic group or age level. The processes of education and learning are especially impaired by alcohol abuse and the use of illicit drugs. For these reasons, the university prohibits the illegal use or possession of alcohol and other drugs on the campus. This policy is outlined in the Student Handbook.

The foundation of the philosophy concerning alcohol and drug abuse for Fort Hays State University is the firm commitment to an educational program which provides adequate information and counseling to help all members of the academic community to make informed and responsible decisions concerning the use of any controlled substance. The institution is committed to a healthy environment for living and learning.

Fort Hays State University subscribes to the basic philosophy of the Network of Colleges and Universities Committed to the Elimination of Alcohol and Drug Abuse..

Value Statement for the Administration, Faculty, and Staff

Fort Hays State University is committed to being one of the nation's outstanding comprehensive liberal arts institutions. To accomplish this charge all team members must be empowered. The motivation, competency, productivity, and creativity of team members is critical to our ability to satisfy and serve students.

The student-teacher relationship at FHSU is contractual in nature. Professors openly share their beliefs, attitudes, insights, and knowledge with students in relationship to expected course outcomes in the instructor's particular fields of expertise. The function of the professorate is to create an environment for learning to take place. Inherent in this relationship is the students' responsibility to participate actively in the learning process and to adhere to the rules and regulations found within the University Catalog, student handbook, and course syllabi.

Commitment to Student-Focused Educational Opportunities

Create a clear, simple, reality-based, student focused vision and communicate it straight-forwardly to all constituents. Foster a passion for excellence in providing services to students.

Commitment to Continuous Improvement

Recognize that sustained improvement requires the commitment of the entire institution to a process of teamwork. Create an institutional culture which stimulates and relishes change.

Commitment to Excel

Set/reach aggressive goals or objectives, understand a commitment to accountability, and be decisive. Have enormous energy and the ability to energize and invigorate others. Encourage computer literacy and the use of information technology to enhance efficiency.

Commitment to an Environment of Trust and Respect for the Individual Which Results in a Cohesive Academic Community

Empower others to work across administrative lines and be open to ideas. Develop global sensitivity and be comfortable building diverse teams. Seek change and improvement as a result of team efforts.

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Policy Relative to Harassment

On the basis of race, religion, color, national origin, gender or age. On the basis of sexual orientation, veteran status, or physical or mental disability FHSU is committed to an environment in which students, faculty, administrators and academic staff (both classified and unclassified) can work together in an atmosphere free from all forms of harassment, exploitation or intimidation.

It is the policy of FHSU to prohibit harassment of individuals on the basis of their status, which includes race, color, religion, gender, national origin, sexual orientation or a physical or mental disability. The protection afforded by this policy applies equally to all segments of the university community (i.e., students, unclassified personnel, classified personnel and employees of associated corporations).

Definition of Harassment

Harassment includes, but is not limited to, verbal, physical or written behavior directed toward or relating to an individual or group on the basis of their status and has the purpose or effect of:

(1) Creating an intimidating, hostile or offensive work or educational environment;

(2) Interfering with an individual's work, academic performance, living environment, personal security or participation in any university-sponsored activities;

(3) Threatening an individual's employment or academic opportunities. This definition also applies to harassment of persons because of their association or support of members of a protected class.

Harassment on the basis of gender is further defined as any behavior that through inappropriate sexual content or disparagement of members of one gender

has the same purpose or effect as items 1, 2 or 3 above. Any behavior, whether verbal or physical, constitutes sexual harassment if: (1) Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature (e.g. uninvited touching) are made a term or condition of an individual's employment or education; (2) Unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature are used as a basis for employment or academic decisions affecting that individual (e.g. grades, evaluations, promotions, letters of recommendation); (3) Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature have the purpose or effect of unreasonably interfering with an individual's academic work or performance or creating an intimidating, hostile or offensive working or learning environment.

Any reprisals taken against an individual reporting, objecting to or serving as a witness about harassment will be considered a separate and distinct act of harassment. While some examples of harassment, such as physical and verbal assaults, are easily identified, more frequent and generalized instances, such as blatant and subtle graffiti and insensitive use of language, including epithets and "humor," often go unacknowledged. All of the above instances are demeaning and violate the spirit of this policy.

Under Title VII of the Civil Rights Act of 1964, employers are responsible for the actions of their agents. Supervisors and employers are accountable for actions of employees if those supervisors and employers are aware or should have been aware of any harassment.

Resolving Harassment and Other Affirmative Action Complaints

Students who believe they have been the object of harassment or discrimination (whether from a faculty or staff member or from another student) should meet with the university's Equal Employment Officer who will help the student understand and initiate the appropriate process for dealing with the complaint. Both informal and formal resolutions are available. Other campus offices where the student might seek assistance include the Office of Student Affairs and the Counseling Services.

FHSU reserves the right to investigate and take appropriate action in those situations where the complainant chooses not to file a formal grievance but the institution, in its discretion, believes the matter cannot be ignored.

The procedures for resolving grievances are available from the Equal Employment Officer. They are also available at www.fhsu.edu/judicial.

Admission - Undergraduate

ACT Test Scores and College Reports

All applicants under the age of 21 are required to provide an ACT College Report (which includes test scores). (SAT College Reports are acceptable.) Students who are not able to take an ACT test on one of the national test dates may take an ACT residual test on campus on the first day of enrollment for a semester or summer term.

Students must inform the Testing Gala prior to the date of the test of their intent to take the ACT test. Upon contact with the Testing Gala, students will receive information on test dates, times, cost, and reporting location.

Obtaining an Application for Admission; Application for Re-Entry

Undergraduate students interested in attending as first-time students may obtain an application form from the Office of Admissions or the Office of the Registrar. Application forms are also available from many Kansas high school counselors, community colleges, and at the FHSU web site--www.fhsu.edu. Former students who have not been in attendance at the university during the most recent semester may obtain an "Application for Re-Entry" form

from the Office of the Registrar or at www.fhsu.edu.

How to Apply for Admission - Kansas High School Graduates

Kansas high school graduates must: (1) submit an application for admission and a $30 application fee; (2) request an ACT College Report if this was not done at the time the ACT test was administered (ACT College Report may be requested by writing the American College Testing Program, Box 414, Iowa City, IA 52240; SAT College Reports are acceptable); and (3) after high school graduation, request that the high school mail an official copy of the transcript, showing date of graduation.

All materials need to be submitted to the Office of Admissions.

Qualified Admission Requirements for students who graduate high school in 2021 or after: 1) Have a cumulative 2.25 or higher GPA on a 4.00 scale, OR, 2) Achieve an ACT composite of 21 or higher OR a minimum combined SAT ERW+M score of 1080. And, if applicable, achieve a 2.00 GPA on all college credit taken in high school. ACT/SAT superscores will be used for admission and scholarship awarding.

Admission to all state educational institutions shall remain open for each Kansas resident who is 21 years of age or older and who has graduated from an accredited Kansas high school. For further information, contact the Office of Admissions or the Office of the Registrar.

How to Apply for Admission - Out-of-State High School Graduates

Out-of-state high school graduates must: (1) submit an application for admission and a $30 application fee along with a copy of the high school transcript; (2) request ACT scores if this was not done at the time the ACT test was administered (ACT scores may be requested by writing the American College Testing Program, Box 414, Iowa City, IA 52240; SAT scores are acceptable); and (3) after high school graduation, request that the high school mail an official copy of the high school transcript, showing date of graduation. All materials need to be submitted to the Office of Admissions.

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How to Apply for Admission - Students with a GED Certificate

Students who have been awarded a GED certificate are eligible for admission to FHSU and must: (1) submit an application for admission and a $30 application fee, along with a copy of the GED certificate to the Office of the Registrar and (2) request that ACT scores be mailed to the Office of the Registrar if this was not done at the time the ACT test was administered (ACT scores may be requested by writing the American College Testing Program, Box 414, Iowa City, IA 52240; SAT scores are acceptable).

How to Apply for Admission - Former Students

Former Students who: (1) have not attended other institutions since their last enrollment at FHSU must submit an application for re-entry to the Office of the Registrar; (2) are currently enrolled at another institution must submit an application for re-entry and enclose a copy of the transcript; upon completion of enrollment, they must request that an official final transcript be mailed to the Office of the Registrar; and (3) have attended other colleges or universities since their last enrollment at Fort Hays State University should submit an application for re-entry and request that official transcripts from each institution attended be mailed to the Office of the Registrar. Acceptance to the university is based on a C average as determined by Fort Hays State University.

How to Apply for Admission - Transfer Students

New transfer students: (1) must submit an application for admission and a $30 application fee; (2) who are currently enrolled must enclose a copy of the transcript; upon completion of enrollment, they must request that an official final transcript be mailed; and (3) who have attended other colleges or universities must request official transcripts from each institution attended. All materials need to be mailed to the Office of the Registrar. Acceptance to the university is based on a C average as determined by Fort Hays State University.

Admission of High School Students

High school seniors may be admitted to take courses during a regular semester. To be considered for admission, seniors must have the approval of the high school principal to take college courses. An application for admission and a $30 application fee, along with an attached statement by the high school principal or counselor authorizing approval, must be mailed to the Office of the Registrar.

Admission of students who are below senior classification in high school is

permissible only through the Fort Hays College Studies for the Gifted program. Students seeking admission under the program for the first time must pay a $30 application fee.

During a regular semester or summer term, the university may offer special courses or programs designed specifically for secondary students. Students are encouraged to participate in these special programs when offered.

Home Schooled Students

Records of all home schooled students seeking admission to Fort Hays State University will be evaluated individually by the Registrar for course content and completion. FHSU follows regulations that are congruent with the admission policies of the other Kansas Regents Institutions. Completion of the ACT with a minimum score of 21 and/or completion of a GED with a minimum overall score of 2550 with a minimum score of 510 on each subtest.

International Students

International students interested in an undergraduate program may obtain application materials by writing to the Office of the Registrar. Those interested in a graduate program may request application materials by writing to the Dean of the Graduate School. International students are required to submit a $50 application fee with the application for admission.

The following must be on file in the Registrar's Office before an application for undergraduate admission can be considered: (1) Undergraduate Application for Admission; (2) a $50 application fee; (3) certified official copies of transcript(s) including high school and any post-secondary schools attended to dater; (4) minimum GPA requirement of 2.50 on a 4.00 scale; (5) a financial statement; and (6) proof of English Language Proficiency. Questions may be directed to the International Student Advisor, who may be contacted by telephone at 785-628-4276, or by fax at 785-628-4113. Information may also be obtained by accessing the Fort Hays State University homepage at http://www.fhsu.edu.

International Student Transfer Authorization

Students who are currently attending a college or university in the United States must complete the International Student Release Authorization.

English Language Proficiency Requirements

The following are the various acceptable means of verifying English proficiency for purposes of admission of undergraduate international students: (1) verification that the applicant's native language is English, as shown to a high degree of probability by citizenship in an English-speaking country such as United Kingdom, Australia, New Zealand, or English-speaking provinces in Canada; (2) a U.S. high school diploma; (3) evidence of successful completion of a minimum of 24 transferable credits from a regionally accredited U.S. institution of higher education; (4) evidence of a

score of 173 on the computer-based exam or 61 on the Internet-based version of the Test of English as a Foreign Language (TOEFL); (5) minimum overall band score of 5.5 on the International English Language Testing System (IELTS); (6) minimum score of 4 on the International Test of English Proficiency (iTEP) Academic Plus examination; (7) minimum score of 72 on the Michigan English Language Assessment Battery (MELAB); (8) minimum score of 500 on the Kaplan Test; (9) a level 9 score on The Language Company examination; or (10) documentation showing that the student has completed other recognized and approved intensive English language programs. Examples of documentation are grade reports, a letter from the intensive English director, and/or copies of a program completion certificate. All English competency test scores are valid for a maximum of two years following the test date.

Applicants who do not meet undergraduate English language proficiency requirements may be admitted into the intensive ESL program. Students may matriculate into FHSU undergraduate courses upon successful completion of the FHSU intensive ESL program.

After having been admitted, all international undergraduate students will be screened for satisfactory English language abilities prior to enrollment in FHSU courses. In addition, faculty may identify students that in their opinion need developmental English courses. The university has the authority to place students in the appropriate courses, which can include developmental English.

Approved Provost's Council 1-24-12 Approved International Education Management Group 1-24-12.

Non-traditional Students Definition

Undergraduate students whose circumstances are described by one or more of the following categories are considered non-traditional: adults 24 years of age or older, veterans of the armed forces of the United States, married students, and students who have legal dependents.

Admission for Degree-Seeking Students

Individuals who desire to earn a baccalaureate or associate degree should mail an application for admission and $30 application fee to the Office of the Registrar and provide official transcripts from any colleges or universities previously attended.

Admission for Non-Degree-Seeking Students

Individuals whose immediate and declared objective is other than the earning of a baccalaureate or associate degree at the university may be admitted as a non-degree seeking student. Individuals interested in attending FHSU as a non-degree-seeking student should mail an application for admission and $30 application fee to the Office of the Registrar. If non-degree seeking students decide to earn a degree, they should inform the Office of the Registrar

Service member's Opportunity Colleges (SOC)

The university is an institutional member of the Service member's Opportunity Colleges (SOC), a group of more than 1800 colleges and universities providing voluntary post-secondary education to service members and their families throughout the world. As an SOC member, the university recognizes the unique nature of the military lifestyle and has committed itself to easing the transfer of relevant course credits, providing flexible academic residency requirements, and crediting learning from appropriate military training and experiences.

SOC has been developed jointly by educational representatives of each of the armed services, the Office of the Secretary of Defense, and a consortium of 13 leading national higher education associations. It is sponsored by the American Association of the State Colleges and Universities (AASCU) and the American Association of Community Colleges (AACC).

Criteria and policies established at the university under the Service member's Opportunity Colleges program, with regard to instruction, program advisement and counseling, admission and transfer evaluation, and in-residency requirements are responsive to the educational needs of service men and women. For more information pertaining to SOC or to discuss ways the university may be of service, contact the Registrar.

Orientation and Pre-Enrollment for First-Time Freshmen and New Transfer Students

Several pre-enrollment days are held during the spring semester and summer for fall semester incoming freshmen and transfer students. The sessions are designed to acquaint students and their parents with the university. The campus community introduces participants to the curricula, traditions, objectives, services, organizations, and activities of the university.

Each new student meets with a faculty advisor to plan an academic program and pre-enroll for fall classes. Orientation lessens the anxiety which might otherwise be experienced if students arrived in the fall without the advantage of this preparation.

Student leaders are trained during the academic year to work with the incoming students and their parents; they provide a unique addition to the program. Information about the specific dates for orientation-pre-enrollment is mailed to admitted students.

Pre-Enrollment for On-Campus Enrollees and Former Students

Pre-enrollment for a subsequent semester is conducted after each semester mid-term. Dates for pre-enrollment and enrollment are available on the website at www.fhsu.edu.

Enrollment--Fee Payment

Express enrollment by mail is the university official enrollment process. Several weeks prior to each semester/term fee payment agreement information for students registered in classes will be mailed to their permanent address.

Students enrolling in both on-campus and FHSU Online courses need to do so at the same time with the on-campus faculty advisor. Students will need to return the fee payment agreement information and updated permit to enroll by the designated date. Students who complete Express Enrollment can make class schedule changes with their advisor until the first day of classes. FHSU Online class enrollment procedures are listed in Workday.

On-campus late enrollment information is printed in the schedule of classes for each semester and summer term. Enrollment is not official until fee payment or an officially approved fee deferment is processed through Student Fiscal Services. Class schedules (pre-enrollment) will be deleted if fee arrangements are not made

by the posted dates listed on the website.

Students who will earn a degree during the term of current payment need to pay particular attention to graduation requirements. A $50 undergraduate and graduate degree commencement fee will be assessed for those students who will graduate at the end of term. Students receiving two degrees the same semester will only be assessed the one degree commencement fee.

Billing information will be mailed to the permanent address of all students who early register for classes. It is critically important that changes to a student's name, address, or telephone number be updated online in Workday on the FHSU website. The campus telephone directory is printed from this information and the campus switchboard uses the phone numbers provided by the students to direct telephone calls. Enrollment time is a great opportunity to make sure this information is correct.

Financial aid cannot be released until the student is officially enrolled in the required number of hours to receive the aid. The official enrollment must appear on the Registrar's records. All available aid will be credited first to tuition and fee charges, then to Residential Life charges and other institutional charges. Books are not included. Any excess funds will be deposited to the student's University Card account.

Academic Advisors

Faculty advisors are assigned by the chair of the department of the student's intended major. Advisors assist students in program planning, selection of courses, and registration procedures. They interact with students prior to each registration period and confer periodically on academic as well as non-academic matters.

Although the student advising program at FHSU is specifically designed to assist students as they progress through degree programs, it is the responsibility of all students on- and off- campus to be thoroughly familiar with rules, regulations and requirements that apply to their programs of study, and final decisions made in connection therewith are the sole responsibility of the student

.Degree Summary

A degree summary showing the requirements for a degree program and courses completed is prepared by the transcript analysts in the Office of the Registrar for each first-semester junior. The summary should be signed by the advisor and student no later than the end of a student's first semester of the junior year and will be updated each semester until graduation. This signed summary is placed on file with the transcript analysts in the Office of the Registrar. Students are also encouraged to confer with the degree analysts each semester attended.

Classification for Fee Purposes

The Kansas legislature and the Kansas Board of Regents determine the "residence classification for fee purposes" of students entering Fort Hays State University. The law and regulations are different than those that govern residency for any other purpose. The statutes and Board of Regents regulations may be obtained from the Office of the Registrar.

Credit by Examination - Advanced Placement Examinations (AP)

The university cooperates with high schools offering courses in the Advanced Placement Program of the College Entrance Examination Board. Students who have completed College Board Advanced Placement Tests should have a report of the scores sent to the Office of the Registrar. No credit is given for scores of 1 or 2. Scores of 5, 4, or 3 will be reviewed on an individual basis according to University AP/Credit Policy

Credit by Examination - Local Examinations

An enrolled student or prospective student who subsequently enrolls will be permitted to earn university credits or advanced standing by examination if the student appears to have unusual qualifications.

A prospective student or a regularly enrolled student of college rank who, because of maturity, wide reading, courses taken in non-accredited colleges, or other off-campus preparation, believes to have superior knowledge and knows the content of a given university course, may petition the appropriate department chair for an advanced standing examination. **No petition can be granted after the student has enrolled in, or taken for credit, or audited courses which in any degree duplicate the course sought or courses which may be considered in advance of the course requested without permission of the department chair.**

If in support, the chair will make a recommendation to the Provost. If the petition is granted, the student will pay the non-refundable fee and will arrange with the appropriate department chair to prepare and administer the examination.

A grade of "CR" credit will be recorded on the transcript for an enrolled student who successfully completes an examination. An interested student should consult the department chair on eligibility and for more information.

Credit by Examination - College Level Examination Program (CLEP)

The College Level Examination Program (CLEP) is designed to enable students to demonstrate a level of achievement and competency for the purpose of obtaining university credit. The CLEP tests are designed to measure the extent of knowledge a student has already acquired and to reward it by awarding university credit. Contact the Office of the Registrar or the Testing Center for CLEP examinations accepted by FHSU.

Students should consult the Registrar for specific information on test scores and how the successful completion of the examinations apply to their degree program. The Testing Center should be contacted for application forms, costs, and testing dates.

Credit by Examination - Regents College Proficiency Examinations

Enrolled students may earn college credit through the Regents College Examinations. A grade of CR (Credit) will be recorded on the transcript for the successful completion of each examination. Credit will count toward fulfilling degree requirements. However, no credit will be awarded for an examination in a course that is a pre-

requisite for a course previously passed.

Students should consult the Office of the Registrar for specific information on test scores and how the successful completion of the examinations apply to their degree program. Visit the Credit for Prior Learning page online or contact Regents College, 7 Columbia Circle, Albany, New York, 12203-5195, 578-464-8500, or http://www.regents.edu for application forms, costs, and testing dates.

Military Service Credit

Enrolled students may earn college credit for educational experiences in the armed services. Credit is awarded based on the recommendations in the American Council on Education Guide to the Evaluation of Educational Experiences in the Armed Services.

It is suggested that veterans attach a copy of DD 214 form, AARTS, or SMART transcripts to the application for admission. Veterans may also wish to consult a transcript analyst in the Office of the Registrar to determine the appropriate military records required for an evaluation of the armed services experience. A grade of CR (Credit) will be recorded on the transcript for all approved credit. Credit will count toward fulfilling degree requirements. However, no credit will be awarded that is a pre-requisite for a course previously passed.

Credit by Examination - Specific Subject Examinations

Students enrolled in a regular semester or summer term may earn up to a maximum of 30 credit hours toward fulfilling degree requirements by successful completion of CLEP Subject Examinations. A grade of CR (Credit) will be recorded on the transcript for the successful completion of each examination. However, no credit will be awarded for subject exams which are pre-requisites for a course previously passed.

Undergraduate Degrees and General Education

Catalog Requirements for Undergraduate Degrees

Students have a maximum of six years to meet catalog requirements for graduation in effect at the university when they first entered any college or university. Requests for exceptions can be made in writing. They may also graduate under the requirements of any subsequent Fort Hays State University catalog.

An undergraduate student wishing to complete a minor following a bachelor's degree must do so within two years. The student must inform a degree analyst in the Registrar's Office of their intent to complete a minor for it to appear on their academic transcript.

Students may not, however, be allowed to graduate under the requirements of a Fort Hays State University catalog in effect earlier than two years preceding their enrollment at the university. If students have had their college program interrupted by more than two consecutive years, they will be subject to the requirements in effect when they re-enter, or, if they elect, the requirements of a later catalog.

Four-Year Degree Guarantee Program

Fort Hays State University guarantees that students will graduate in four years in 124-128 credit hour degree programs, if specific program requirements are met. This program excludes nursing, music, medical diagnostic imaging, athletic training and degrees requiring teacher certification.

By applying for the Four-Year Degree Guarantee Program, students agree to accept total responsibility for completing all the requirements of the agreement following the class schedule exactly as developed by the advisor, the major requirements as established by the department, and the degree requirements as established by the university, and the degree requirements as established by the university. In the event a student does not graduate on time, it is the university's responsibility for the cost of tuition and fees for the course(s) needed to graduate and only (1) if it is proven that the university failed to offer the needed course (s) on a regular schedule during the year on a regular cycle of courses during a two -year period; (2) if there was a proven error in advising; or (3) if it is proven that the department changed degree requirements.

Questions about the Four-Year Degree Guarantee Program should be addressed to the Office of the Registrar.

Associate of General Studies

A student must have: (1) an approved, signed degree summary on file in the Office of the Registrar; (2) completed at least 60 hours of credit with a minimum average grade index of 2.00 in all coursework; (3) a minimum grade average index of 2.00 in all coursework taken at Fort Hays State University; and (4) submitted a written degree application to the Office of the Registrar.

Associate of Science in Radiologic Technology

A student must have: (1) an approved, signed degree summary on file in the Office of the Registrar; (2) completed at least 80 hours of credit as specified by the Department of Allied Health with a minimum average grade index of 2.00 in all coursework—34 credit hours of academic courses, 22 credit hours of professional courses, and 24 credit hours of clinical experience; (3) a minimum grade average index of 2.00 in all coursework taken at Fort Hays State University; and (4) submitted a written degree application to the Office of the Registrar.

Baccalaureate Degrees

The Bachelor of Arts degree is offered in the following fields of study: art, art education, chemistry, communication (journalism, public relations), economics, English, geology, history, information networking and telecommunications, justice studies, mathematics, modern languages (French, German, and Spanish), music, organizational leadership philosophy, physics, political science, psychology, and sociology.

Except for international students whose native language is not English, ten hours of a single language are required for the B.A. degree. Credit may be received by examination for language competency obtained outside of a college, for example, high school language study. The various examination procedures are described in the cata-

log under advanced standing credit. Students may also obtain a maximum of ten credit hours through advanced standing placement as described under the Department of Modern Languages. Courses required for the foreign language component of the B.A. may not be taken for Pass/No Credit, or used to fulfill a humanity general education requirement.

International students whose native language is not English are allowed to count English as their language for the purpose of meeting the language requirement for the Bachelor of Arts degree. An international student who elects this option will be considered to have met this requirement either by scoring 550 or above on the TOEFL examination on the paper based test version or 213 on the computer based version or by completing ENG 100 English for International Students with a letter grade of A or B.

The Bachelor of Science degree is offered in the following fields of study: biology, chemistry, general science, geology, mathematics, physical science, physics, and psychology.

The Bachelor of Science degree requires the completion of 50 credit hours in the sciences as specified by the respective department. A minimum of 30 credit hours shall be completed in one subject field and the remaining 20 credit hours shall be completed in one or more subject fields other than the major. (Students who complete a double major in two areas of the sciences need not take an additional 20 hours in the sciences to meet the requirement.)

The Bachelor of Science in applied fields is offered in agriculture (agriculture, agri-business), business (business education), computer science, education (elementary education), geography, medical diagnostic imaging, technology studies, information networking and telecommunications, justice studies, athletic training, health and human performance, sociology, speech-language pathology, and organizational leadership.

The Bachelor of Business Administration degree is offered in the fields of accounting, business communications, computer information systems, finance, management, marketing, and information systems administration.

The Bachelor of Fine Arts degree is offered in the field of art. The Department of Social Work offers the Bachelor of Social Work (B.S.W.) The Bachelor of Music degree is offered in music education and performance. The Bachelor of Science in Nursing is offered.

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The Bachelor of Arts degree is offered in the following fields of study: art, art education, chemistry, communication (journalism, public relations), economics, English, geology, history, information networking and telecommunications, justice studies, mathematics, modern languages (French, German, and Spanish), music, organizational leadership philosophy, physics, political science, psychology, and sociology.

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The Bachelor of Music degree is offered in music education and performance. The Bachelor of Science in Nursing is offered.

Bachelor's Degree

The requirements for the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Music degrees, Bachelor of Science in Nursing, Bachelor of Social Work, and Bachelor of Science in applied fields are as follows: (1) completion of at least 120 hours of credit with a passing grade and a minimum grade average index of 2.00 in all coursework, unless the department specifies a higher grade index; (2) a minimum average grade index of 2.00 in all coursework taken at Fort Hays State University; (3) completion of a major (with a minimum of 30 hours) as specified for the degree sought—with a minimum average grade index of 2.00 for all courses in the signed major, unless the department specifies a higher grade index; (4) completion of general education program (foundation studies, liberal arts and university integrative course requirements; (5) completion of at least 45 hours of credit in upper-division courses numbered 300 and above; and (6) a degree summary signed by academic advisor and submission of written degree application to the Office of the Registrar.

The Bachelor of General Studies (BGS) degree requires 120 hours of credit, including the following components: (1) a minimum of 80 hours of coursework in the following liberal arts and sciences areas: art, biological sciences, chemistry, communication, economics, English, geosciences, history, informatics, interdisciplinary studies, justice studies, leadership studies, mathe-

matics and computer science, modern languages, music, philosophy, physics, political science, psychology, and sociology and social work; (2) a minimum of 45 hours of upper-division coursework (numbered 300 and above at FHSU); (3) a maximum of 40 hours in one department; (4) six hours of English composition; (5) a minimum of 12 hours of approved general education courses in each of the areas of humanities, natural sciences and mathematics, and social and behavioral sciences; (6) a minimum grade index of 2.00 for all coursework and coursework at FHSU; (7) no modern language requirements; (8) a minimum of 30 hours of credit from FHSU; (9) a 21-hour individualized area of concentration; (10) a 3-hour computer literacy course or suitable equivalent; and (11) a degree summary signed by academic advisor and submission of written degree application to the Office of the Registrar.

Residence Requirements

Residence is defined as "courses taken from Fort Hays State University either on campus or through the FHSU Online (off campus) taught face-to-face or mediated instruction."

Associate Degree

At least 15 semester hours of credit with a passing grade for the associate degree must be taken at the university.

Bachelor's Degree

At least 60 semester hours with a passing grade must be earned from a regionally accredited baccalaureate degree -granting institution. In the case of foreign institutions, approved partnership agreements which confirm the status of the foreign institution within its own recognized educational system (e.g. Ministry of Education, governmental authorizations, etc.) shall determine the equivalence to a US regionally accredited baccalaureate degree-granting institution.

Forty-five semester hours of upper-division credit are required based on the course number system of a baccalaureate degree-granting institution. At least 30 semester hours of credit with a passing letter grade of A, B, C, or D for a bachelor's degree must be taken from Fort Hays State University (FHSU FHSU Online course work is acceptable). Pass/ No credit or Credit (CR) does not count towards the 30 semester hours. Exceptions to this requirement may be appealed by individual students or programs to the Academic Appeals Committee.

Correspondence Credit

Not more than 30 credit hours in any curriculum leading to a degree may be taken by correspondence.

General Education and Second Degrees

Associate Degree

A student desiring to earn a second associate degree must complete a minimum of 30 hours beyond requirements for the first associate degree. These must be organized according to a definite plan for an area of concentration distinct from that of the first associate degree. A degree summary with a specified area of concentration signed by the student and advisor must be placed on file in the Office of the Registrar prior to enrollment for the second associate degree.

Associate Degree for Students With an Earned Baccalaureate or Higher Degree

Students desiring to earn an associate degree must complete a minimum of 30 hours. These must be organized according to a definite plan for an area of concentration distinct from those of former degree (s). A degree summary with a specified area of concentration signed by the student and advisor must be placed on file in the Office of the Registrar prior to enrollment for the associate degree.

Bachelor's Degree

Students desiring to earn a second bachelor's degree must satisfy the catalog requirements for the major program of the second degree and achieve at least a minimum of 154 hours (30 hours beyond the minimum 120-credit-hour requirement for the first degree).

In the event the major for the second degree contains courses previously required in the major for the first degree, appropriate substitutions must be made in the second degree major to achieve a minimum total of 30 hours in the second degree major that are discrete from the courses in the first degree major. Students desiring to complete a second degree should file a degree summary and signed major in the Office of the Registrar prior to enrollment for the second degree. Students also have the option to work on two degrees simultaneously but must have degree summaries signed for both majors and degrees. Students with an earned baccalaureate degree from an institution not accredited by one of the regional accrediting agencies must also fulfill requirements of the Fort Hays State University general education program.

General Education

The Association of American Colleges and Universities (AAC&U) has defined general education as the "cultivation of the knowledge, skills, and attitudes that all of us use and live by during most of our lives." According to the Association's special Task Group, "general education offered by colleges and universities seeks to foster the desire and capacity to keep on learning continuously."

Through their general education programs, academic institutions aim to develop habits of and tastes for independent thinking by encouraging active learning and

independent investigation, and by helping students assume responsibility for their own intellectual development" (A New Vitality in General Education, 1988). In a competitive and rapidly changing world economy, where most people after the age of 25 will change occupations three times and jobs six or seven times, there is a pressing need to offer the kind of education that empowers people to become lifelong learners and active, responsible citizens.

As the basis for general education, a liberal arts approach equips the student with the freedom to realize one's potential in a world where critical thinking, oral and written communication, adaptability, tolerance, and an appreciation of the relationship between the individual and society are essential.

At Fort Hays State University, therefore, the term general education includes the knowledge, skills, and perspectives that become part of the educational experience of all undergraduates regardless of their major. A college education should help the student begin a career.

But it should also help the student become an interesting person and a responsible citizen who is capable of transcending the confines of specialized knowledge. General education is designed to develop the complex intelligence and common sense to understand the larger world beyond any particular career choice.

Qualities of the Liberally Educated Person

Fort Hays State University's liberal arts education is based on a vision of the kinds of persons we hope our students will become. It is not based on some supposedly timeless list of subjects to be studied. This emphasis on the wise person rather than the curriculum is well grounded historically.

Although the list of subjects associated with liberal arts education has evolved with the new knowledge and the differing needs of each succeeding era, it has always been agreed that the purpose and value of this sort of education is to prepare citizens to exercise their freedom wisely—to conduct their own and their community's affairs in ways that are informed, reflective, individually fulfilling, and socially responsible. Above all, such education should acquaint students with the human story and the wider universe beyond.

That is why we expose all of our students to the great historical achievements of the sciences and the humanities, to the best in the fine arts, and to questions about the appropriate goals, values, and attitudes of both self and society within a wider world.

Because they know the joy of continuous learning and have been equipped to do it well, liberally educated persons are prepared to benefit from and contribute to the ongoing achievements of civilization.

In light of this foundation, FHSU believes that a liberally educated person is:

A knowledgeable person who engages in rational inquiry and critical thinking; possesses basic quantitative skills; is an articulate communicator; and is acquainted with the major achievements, concepts, and methods of the humanities and the sciences.

A civic person who is responsive; is responsible; has the desire and the courage to act; and is intellectually prepared to take an effective role in community life.

A reflective person who is sensitive and perceptive; exercises good judgment; is curious about the world; and has a lifelong commitment to continued learning and full development of potentials.

A holistic person who understands and appreciates his or her relationship to the wider society, culture, and environment; is tolerant and values diversity.

Program Goals and Liberal Arts Requirements

Program Goals and Objectives

The university's general education program consists of 55 hours of coursework divided between two major components: Foundation Studies (18 hours) and Liberal Arts (37 hours). Each component is based on a set of goals, objectives, and coursework.

1.1 Foundation Studies Goals and Objectives

The role of the Foundation Studies component of the General Education Program is to develop in every graduate an appropriate level of competence in skills areas that have relevance in nearly every discipline and subsequent career.

Goal A: To demonstrate an appropriate level of conceptual understanding and proficiency in applying basic analytical and communication skills.

Objective 1: To develop critical thinking skills involving the use of analogy, deduction, and induction.

Objective 2: To develop the ability to read analytically and write effectively in standard English.

Objective 3: To develop the ability to listen critically and speak clearly and effectively.

Objective 4: To develop quantitative skills through an understanding of basic concepts and methods of mathematics.

Objective 5: To develop the ability to utilize computer technology to store, analyze, interpret, and communicate information.

Goal B: To demonstrate an appropriate level of conceptual understanding and proficiency in applying personal well-being skills.

Objective 1: To develop an understanding of the interaction of mental, physical, social, and emotional factors in optimally healthy, functional, and productive living.

Objective 2: To promote students' use of activities and strategies that encourage the pursuit of healthy, functional, and productive living.

1.2 Foundation Studies Course Requirements (18 hours) (Italics indicate General Education courses required for Teacher Education)

- *ENG 101 English Composition I* - 3 Hours
- *ENG 102 English Composition II* - 3 Hours
- *COMM 100 Fundamentals of Oral Communication* - 3 Hours
- *MATH 101 Contemporary Mathematics or*
- *MATH 105 College Algebra with Review or*
- *MATH 110 College Algebra or*
- *MATH 130 Pre-Calculus Mathematics*-- 3 Hours
- *INF 101 Introduction to Computer Information Systems* - 3 Hours
- *HHP 200 Personal Wellness* - 3 Hours

2.1 Liberal Arts Goals and Objectives

The role of the Liberal Arts Component of the General Education Program is to cultivate in every graduate the knowledge and attitudes that we use and live by most of our lives and to promote an appreciation of active and lifelong learning so critical to the continuation of one's intellectual development. The curricular map associated with this component is guided by the following goal and objectives.

Goal A: To recognize and evaluate society's cultural heritage, thereby conserving, continuing, and providing critical access to the achievements of the past.

Objective 1: To acquire and value an international perspective based on a diverse yet shared set of knowledge, ideas, and experiences. As part of this shared set of knowledge, ideas, and experiences, the student must be able:
Objective 2: To recognize and evaluate the history, culture, and beliefs of major world civilizations.
Objective 3: To demonstrate a knowledge of contemporary world conditions, an understanding of the growing interdependence of the world's people, and a sensitivity to the implications of current events on one's own life.
Objective 4: To demonstrate a knowledge of the principal achievements, conceptual frameworks, methods, and aesthetic values of literature and the arts.
Objective 5: To demonstrate a knowledge of the principal achievements, conceptual frameworks, and methods of mathematics and the natural sciences.
Objective 6: To demonstrate a knowledge of the principal achievements, conceptual frameworks, and methods of the social and behavioral sciences.
Objective 7: To demonstrate a facility for synthesis, analysis, and critical thinking that fosters an integrated perspective.

Goal B: To develop the potential and desire for continuing intellectual, personal, and moral growth.

Objective 1: To acquire proficiency with tools of thinking that promote both an appreciation of alternative views and intelligent response.
Objective 2: To develop an ability to make informed and well-reasoned judgments concerning the application of ethical and moral values in public and private life.
Objective 3: To develop attitudes that encourage and facilitate continuous, lifelong learning.
Objective 4: To demonstrate tolerance for people of diverse characteristics such as those of race, ethnicity, religion, gender, and language; and demonstrate concern with achievements, issues, and experiences that lie beyond the confines of career and station.
Objective 5: To develop an understanding of civic culture, leadership, and behavior that promotes participation in government, community, and voluntary organizations.
Objective 6: To develop an awareness of the nature and role of technology, its continuing impact on society, and its implications for the acquisition of knowledge.

2.2 Liberal Arts Course Requirements

(37 hours) (Italics indicate General Education courses required for Teacher Education)
(A) International Studies (6 hours required. A student must complete 2 of 3 courses.)

- ENG 125 World Literature and the Human Experience
- GSCI 110 World Geography
- HIST 111 Modern World Civilization

B) Distribution (28 hours required. Course areas used to complete requirements under International Studies allow a student to take only 1 additional course in that area under distribution for general education credit.)
Humanities (9 hours required with no more than 2 courses in 1 area)
Art

- ART 180 Fundamentals and Appreciation of Art - 3 Hours
- ART 201 Survey of Art History I - 3 Hours
- ART 202 Survey of Art History II - 3 Hours
- ART 280 Approaches to Creativity - 3 Hours

Communication Studies

- COMM 125 Introduction to Motion Pictures - 3 Hours
- COMM 318 Introduction to Organizational Communication - 3 Hours

English

- ENG 125 World Literature and the Human Experience - 3 Hours
- ENG 126 Introduction to Literature - 3 Hours
- ENG 327 Literature Matters - 3 Hours

Interdisciplinary Studies

- IDS 333 Exploration in the Humanities - 1 Hour
- *IDS 350 Diversity in the U.S. - 3 Hours*

Modern Languages

- Beginning 1 course in any language (may not be used as general education for students earning the B.A. degree) - 5 Hours
- MLNG 112 Great Works in Translation - 3 Hours

Music & Theatre

- THTR 120 Introduction to Theatre - 3 Hours
- MUS 161 Listening to Music - 3 Hours
- MUS 391 Jazz - 3 Hours

Philosophy

- PHIL 100 Critical Thinking - 3 Hours
- PHIL 120 Introduction to Philosophy - 3 Hours
- PHIL 340 Introduction to Ethics - 3 Hours

Speech Language Pathology

- SLP 320 Basic Sign Language - 3 Hours
- SLP 420 Advanced Sign Language - 3 Hours

Mathematics and the Natural Sciences (10 hours with no more than 2 courses in 1 area. One hour must be laboratory credit.)

Biological Sciences

- BIOL 100 Human Biology - 3 Hours
- BIOL 102 Lab Experience in Biology* - 1 Hour
- BIOL 200 Humans and the Environment - 3 Hours
- BIOL 300 Human Heredity - 3 Hours

Chemistry

- CHEM 100 Chemist's View of the World - 3 Hours
- CHEM 105 Introduction to the Chemistry Lab* - 1 Hour
- CHEM 112 General Chemistry I and Lab* - 3 Hours
- CHEM 114 General Chemistry II and Lab* - 3 Hours

Geosciences

- GSCI 100 Introduction to Geology - 3 Hours
- GSCI 101 Elements of Physical Geography - 3 Hours
- GSCI 102 Introduction to Geology Laboratory* - 1 Hour
- GSCI 340 Environmental Geology - 3 Hours

Mathematics

- MATH 234 Analytical Geometry and Calculus I - 5 Hours
- *MATH 250 Elements of Statistics - 3 Hours*
- MATH 331 Calculus Methods - 3 Hours

Physics

- PHYS 102 Physical Science - 3 Hours
- PHYS 103 Physical Science Laboratory* - 1 Hour
- PHYS 208 Elementary Meteorology - 3 Hours
- PHYS 309 Descriptive Astronomy - 3 Hours

*Course fulfills 1-hour lab requirement.

Social and Behavioral Sciences (9 hours with no more than 2 courses in 1 area)

Economics/Finance

- ECON 201 Principles of Microeconomics - 3 Hours
- ECON 202 Principles of Macroeconomics - 3 Hours
- FIN 205 Theory & Practice of Personal Finance - 3 Hours

History

- HIST 110 World Civilization to 1500 - 3 Hours
- HIST 130 United States History to 1877 - 3 Hours
- HIST 131 United States History Since 1877 - 3 Hours

Interdisciplinary Studies

- *IDS 350 Diversity in the U.S. - 3 Hours*

Political Science

- POLS 101 American Government - 3 Hours
- POLS 105 Current Political Issues - 3 Hours
- POLS 230 Introduction to International Relations - 3 Hours

Psychology

- PSY 100 General Psychology - 3 Hours
- PSY 300 Abnormal Psychology - 3 Hours
- PSY 340 Social Psychology - 3 Hours

Sociology

- SOC 140 Understanding Society: Introductory Sociology - 3 Hours
- SOC 355 Sociology of Death and Dying - 3 Hours
- SOC 388 Sociology of the Family in America - 3 Hours

(C) Upper-Division Integrative Course (one course required)

- IDS 300 Economic Ideas and Current Issues - 3 Hours
- IDS 325 Ideal Societies in Fiction - 3 Hours
- IDS 326 Literature and the Environment - 3 Hours
- IDS 390 Technology in Society - 3 Hours
- IDS 400 Bioethics - 3
- IDS 401 Ethical Issues in the Professions and Business - 3 Hours
- IDS 402 U.S. Human Geography: Issues for the 21st Century - 3 Hours
- IDS 405 Heritage: Society, Science, and Culture Since 1700 - 3 Hours
- IDS 407 Global Challenges
- IDS 440 Conceptions of the Mind - 3 Hours
- IDS 468 Political Communication - 3 Hours
- IDS 499 Global Environmental Issues - 3 Hours

Integrated courses fulfill the program's 3-hour upper-division requirement.

Total Hours Required for General Education Program --- 55

General Education Program Guidelines

General Education Program Guidelines

All students pursuing a bachelor's degree must complete the 55-hour general education course requirements. General education courses in the department of a student's major do not fulfill the program guidelines except in the case of double majors where courses in the second major may be counted toward the general education requirements.

General Education requirements may not be taken for Pass/No Credit. The university's upper-division 45-hour requirement must include one 3-hour integrative course selected from the approved list of general education integrative courses. Students entering teacher education must also fulfill general education requirements designated in the College of Education section of this catalog.

A current listing of specified general education courses meeting these requirements is available from the College of Education and academic supervisors within each of the other colleges. These courses are italicized in the preceding general education listing.

Transfer of General Education Credits

Keep in mind the information provided in this section is primarily concerned with facilitating the transfer of credits to meet general education requirements. If you desire to know more about required coursework for a specific academic degree, financial assistance, scholarships, housing, or other programming and services, contact the Director of Admissions (785-628-5666).

The Director of Admissions will arrange for you to visit with a departmental advisor, scholarship coordinator, or other appropriate personnel.

If you are currently enrolled in an accredited Kansas community college or four-year institution and would like to transfer general education credits, the first step is to call a degree analyst in the Office of the Registrar (785-628-4222).

The degree analyst will create a check sheet or degree summary for you before you meet with an academic advisor. A transfer guide is available from the Office of Admissions and contains the outline and courses for the university's general education program (also listed in the preceding section of this catalog).

After you have read the FHSU Transfer Guide, you are encouraged to arrange a meeting either on your campus or at FHSU with our admissions staff. They will answer any questions you may have about other transfer considerations, and arrange an appointment with the chairperson or an academic advisor associated with the degree program(s) of most interest to you.

Some FHSU degree programs include specially designated general education courses that could have a bearing on the completion of coursework at your current institution.

Special Pathway I: The Kansas Transfer Articulation Agreement

The Kansas Regents institutions and the accredited community colleges in Kansas have agreed to honor a transfer agreement to facilitate and ease the transition of in-state community college students to Regents universities. FHSU recognizes this agreement and our admissions staff and degree analysts will do everything possible to help explain the requirements of the arrangement.

Requirements of the Transfer Agreement established by the Regents System and State Board of Education include the following stipulations:

(1) Community college students must graduate from an accredited Kansas community college with an Associate of Science or an Associate of Arts degree.

(2) Students must complete a minimum of 45 credit hours of general education with distribution in the following fields:

12 hours of Basic Skills courses: 6 hours of English composition, 3 hours of speech communication, and 3 hours of college-level mathematics. (Statistics will be required of transfer students where the university curriculum requires it.)

12 hours of Humanities courses from at least three of the following disciplines: *Art, *Theatre, Philosophy, *Music, History, Literature.

*Performance courses are excluded.

12 hours of Social and Behavioral Science courses from at least three of the following disciplines: Sociology, Psychology, Political Science, Economics, Geography, or Anthropology.

9 hours of Natural and Physical Science courses from at least two disciplines (lecture with lab).

FHSU recognizes the above fields of the local community college even though they may differ from FHSU, e.g., History.

Points of Clarification

(1) General education hours totaling less than 45 will be accepted, but transfer students must complete the remainder of this requirement before graduation from the receiving institution, which may require an additional semester(s).

(2) Students may still be required to take freshman or sophomore courses to meet degree or graduation requirements.

(3) All students completing a teacher education program at the university shall satisfy the FHSU general education requirements or the transfer and articulation agreement. Students must complete the following specific courses with a C grade or higher:

- English Composition I - 3 Hours
- English Composition II - 3 Hours
- Fundamentals of Oral Communication - 3 Hours
- Introduction to Computer Information Systems - 3 Hours
- College Algebra or higher - 3 Hours
- Elements of Statistics - 3 Hours
- Diversity in the U.S. - 3 Hours

(4) Students with an Associate Degree who have not met the transfer articulation distribution requirement may complete the Transfer Articulation Agreement at FHSU or fulfill the FHSU General Education program. It is important that you discuss these options with a degree analyst (785-628-4222).

(5) Credit for equivalent technical courses may be granted by departmental examination at the receiving institution.

(6) All transfer students must fulfill a three-hour upper division integrative course that fulfills a university requirement.

Academic Information, A—through—Z

Academic Advising

The primary purpose of the FHSU academic advising program is to assist students in the development of meaningful educational plans that will be compatible with career aspirations and contribute to the process of preparing for a life of change, challenge, and individual fulfillment.

At FHSU, academic advising is based on a system of shared responsibility between student and advisor, and a process of continuous improvement, clarification, and evaluation with the aim of furthering institutional advising goals and desired student outcomes. Developmental advising focuses upon the relational, conceptual, and informational aspects of advising students. The university goals of academic advising are:

Goal 1: To help students clarify individual values, career goals, and the challenges of life in the 21st century. **Goal 2:** To develop suitable educational plans and programs of study for each student. **Goal 3:** To help students select appropriate courses and other educational opportunities. **Goal 4:** To help students review and evaluate progress toward established educational goals and completion of requirements within individual programs of study. **Goal 5:** To develop student awareness and understanding that decision-making in the advising process and life is based on a system of shared responsibility. **Goal 6:** To encourage students to utilize university support services and related resources as needed. **Goal 7:** To clarify and improve the student's knowledge of career options and potential for career change in the workplace of the 21st century. **Goal 8:** To address the individualized academic advising needs of a diverse student population.

The focus of the office is to: (1) coordinate academic advising and implement the university advisement plan for Academic Affairs; (2) develop the "FAST Track" transfer advising program with community colleges; (3) assist with the development and implementation of a faculty advisor training program; (4) coordinate the probation/suspension program; (5) revise and update the University Faculty Academic Advising Handbook; and (6) consult with departments on advising issues and strategies for improvement of student retention.

For an appointment or additional information contact (785) 628-5577.

Academic Appeals

A procedure to resolve academic disputes is available through the FHSU Academic Appeals Committee. The Committee hears appeals from students who believe they have a serious and compelling reason for an exception to University academic policy that is not addressed by other grievance procedures.

The student must file a written appeal within the semester/term in which there is an issue or within a reasonable time after the end of the semester/term if the issue arises at the end of the semester/term. Any student may use the appeal procedure. Forms and descriptions of the Academic Appeals Committee procedures are available in the Office of the Registrar.

Academic Probation

Academic probation is a warning that a student is having difficulty in meeting academic requirements. A student is placed on academic probation when the cumulative grade point average is deficient based on their cumulative credit hours (see below).

Cumulative Credit Hours	Cumulative GPA Requirement
0-29	1.40 - 1.99
30-59	1.70 - 1.90
60-89	1.80 - 1.94
90 or more	1.86 - 1.95

The student may continue to enroll at FHSU while on probation but is being alerted to the danger of being suspended if academic performance does not improve.

Academic Suspension

A student is placed on academic suspension after more than one university enrollment if the cumulative grade point average does not meet the minimum standard based on their cumulative credit hours (see below).

Cumulative Credit Hours	Cumulative GPA Requirement
0-29	1.40
30-59	1.70
60-89	1.80
90 or more	1.86

The student may enroll in the summer term while on academic suspension but cannot enroll during the fall or spring semesters unless a waiver of academic suspension is approved. Because academic suspension is based on cumulative grade point average, it is possible to be placed on academic suspension without even having been on probation.

How to Add Courses

Log into your Workday account. Students are able to register for courses directly from an Academic Plan. In order to register from a plan, the student must have an active Academic Plan with listed courses. This is initiated by a student's academic advisor. If you do not have an Academic Plan, please contact your advisor.

Class Attendance, Absence Notices and Records, Absences of Students

The student is responsible for attending all classes on time, beginning with the first day of classes. If the student's participation in organized university activities should require missing a class or classes, it is the student's responsibility to notify instructors in advance and arrange to make up missed work.

If the student misses classes due to illness, the student should seek treatment at the Student Health Center in order to facilitate early return to class. If the student is hospitalized, ill at their parental home, or has extenuating circumstances, the student should report this to the Student Health Center. A death in the immediate family should be reported to the Office of Student Affairs. However, it is the student's responsibility to see instructors and arrange to make up all missed work.

In advance of any off-campus, officially-approved group activity (athletics, music, conferences, etc.), the group's sponsor must place on file a list of participating students in the office of each dean (Arts, Humanities and Social Sciences, Business

and Entrepreneurship, Education, Health and Behavioral Sciences, and Science, Technology and Mathematics).

Lists should be alphabetized for easy reference. In special individual cases or situations, certain offices (Student Health, Registrar, Student Affairs, etc.) may inform instructors of extenuating circumstances, but these are not excuses. The student is still held responsible for the work missed during the absence. Whenever a student is absent from a class more than three times and the instructor does not know the cause, the student's name should be reported to the Vice President for Student Affairs. The vice president will then try to ascertain the reason for absence.

In addition, the faculty member has an obligation to impress upon students the importance of regular class attendance. Faculty members who make regular class attendance checks may inform the dean of the appropriate college of students' excessive absences. In such instances, students will be informed to either initiate an official withdrawal within the time frame for official withdrawal or make arrangements with the instructor to complete the course. If the student fails either to withdraw officially or to complete the course, the student will be assigned the grade of U at the end of the semester.

Auditor

An auditor is permitted to "listen in" on a course but takes no part in the discussion, tests, or examinations and receives no credit. Permission to audit a course is granted by the instructor. An auditor may be withdrawn from a course at the option of the instructor. All FHSU Online courses and other courses such as swimming, keyboarding, and cabinet construction **cannot** be audited.

Full-time students, faculty, staff, and persons 60 years of age and older may audit a class under the conditions listed above. The regular fee per credit hour is charged (fee waived for persons 60 years of age and over). Upon completion of the class, "Audit" is recorded on the individual's transcript. Students may also audit a course without a record made on the transcript. The student must seek the approval of the instructor to audit the class. In this case, there is no formal enrollment; fees will not be assessed.

Calculating and Removing Deficiencies from a C Average

The total number of credit hours attempted multiplied by two is the number of grade points needed for a C average (2.00). If accumulated grade points are less than this number, the difference is equal to the number of grade points that are deficient from a C average. The fastest and easiest way to remove this deficiency is by repeating courses in which a grade of less than C has been earned. Deficiencies from a C average can be removed by enrolling in new courses only if a grade of B or A is earned.

Candidates Eligible to Participate in Commencement

Candidates completing all degree requirements (associate, baccalaureate, and graduate degrees) during the spring semester, the prior semester, or the prior summer term are eligible to participate in spring commencement.

Students with reasonable expectation to finish a degree during the summer term may participate in the spring commencement prior to completion. Summer graduates also have the option to attend the following spring commencement. However, all graduates are allowed **only one** opportunity to participate in commencement.

Names will appear in the program for the ceremony in which the graduates are scheduled to participate. Undergraduate students present requests to the Registrar; graduate students present requests to the Dean of the Graduate School.

Classification of Students

Undergraduate Special: High school students; undergraduate students participating in special programs and required to enroll in special course offerings.
Freshman: 1-29 credit hours
Sophomore: 30-59 credit hours
Junior: 60-89 credit hours
Senior: 90 plus credit hours
Lower division (freshman-sophomore): Up to and including 50 percent completion toward a baccalaureate degree; 0-89 quarter hours or 0-59 semester hours.
Upper division (junior-senior): Over 50 percent completion toward a baccalaureate degree; over 89 quarter hours or over 59 semester hours.
Graduate I: A student who holds a baccalaureate degree and who has completed less than 45 quarter hours or less than 30 semester hours of graduate work.
Graduate II: A student who holds a baccalaureate degree, has completed 45 or more quarter hours or 30 or more semester hours of graduate work, and has been admitted to an advanced graduate program.
Major Program—A major is a planned arrangement of courses in a given field leading toward a particular degree. A signed major consists of a minimum of 30 credit hours.
Minor Program—A planned minor is not required by the university. If a minor is included in a student's program, it consists of at least 20 hours of credit in a department other than the major and meets the requirements established by that department. General education courses taken for a student's minor program may also be counted toward that student's general education requirements.

An undergraduate student wishing to complete a minor following a bachelor's degree must do so within two years after receipt of the bachelor's degree. The student must inform a degree analyst in the Registrar's Office of their intent to complete a minor as soon as possible after the receipt of the bachelor's degree.

Course Number and Levels

Course levels are identified by the first -digit catalog course number as shown below:
000-099 For undergraduate students: nondegree credit courses.
100-299 For freshman-sophomore students; undergraduate, lower-division courses.
300-499 For junior-senior students; undergraduate, upper-division courses.
600-699 For undergraduate, upper-division and Graduate I students. Graduate students enrolled in 600-699 level courses will be expected to produce a greater quantity and quality of work that clearly demonstrates their master of the subject matter which surpasses that of undergraduates enrolled in the same course.
800-899 For Graduate I students; graduate credit only.
900-999 For Graduate II students; graduate credit only.
Graduate I: Courses designed primarily for master's students who have accumulated less than 31 credit hours of graduate work.
Graduate II: Courses designed primarily for specialist's students who have completed more than 30 hours of graduate work.

Dean's Honor Roll

All undergraduate students, including those enrolled in FHSU Online classes and those enrolled in a second undergraduate degree program, are eligible for the Dean's Honor Roll distinction subject to enrollment and successful completion of 12 or more undergraduate credit hours (excluding pass/no credit hours and incompletes) with a GPA for that academic term of at least 3.60. Second undergraduate degree candidates should have declared a second major and have a degree summary on file in the Registrar's Office.

Degree-Granting Periods and Dates of Degrees Earned

There are three degree-granting periods: fall semester, spring semester, and summer term. The last day of the fall and spring semesters and summer term is the date recorded on diplomas and on the transcripts for all students fulfilling degree requirements within a degree-granting period. Diplomas are mailed to students earning degrees after each semester or term.

Grades and Grade Points

An evaluation of a student's work is given in terms listed below. Final grades for a course will be recorded in letter grades.

A -- Superior Achievement: 4 grade points per credit.
B -- Good Achievement: 3 grade points per credit.
C -- Average Achievement: 2 grade points per credit.
D -- Minimum Passing Achievement: 1 grade point per credit
U -- Unsatisfactory Achievement: 0 grade points per credit
AUD -- Audit
I -- Incomplete: Assigned at discretion of instructor when work is of otherwise passing quality but incomplete, usually for reasons beyond the student's control. (See Removing an Incomplete.) The incomplete (s) for undergraduate courses will revert to an "NC" after one calendar year if grade is not submitted.
W -- Withdraw
P -- Pass
CR -- Credit
NC -- No Credit (not used in GPA)
NR -- No Report received or no grade reported

Greek Houses

FHSU sororities and fraternities are located off campus and fall under the jurisdiction of the Hays City Police department. Student and student organization criminal activities are included in, but not limited to, the Hays Police Department's annual crime analysis report submitted to the Kansas Bureau of Investigation.

Honors at Graduation

There will be three levels of academic honors at graduation: cum laude, magna cum laude, and summa cum laude

Cum luade is an achievement of a cumulative grade point average of 3.60 to 3.79 and 3.60 to 3.79 on Fort Hays State University coursework .

Magna Cum Laude is an achievement of a cumulative grade point average of 3.80 to 3.89 and 3.80 to 3.89 on Fort Hays State University coursework.

Summa Cum Laude is an achievement of a cumulative grade point average of 3.90 or above and 3.90 or above on Fort Hays State University coursework. Each student graduating with academic honors must have attended the university for one of the last two years, and at least 60 hours must be earned in an institution offering regular upper-division credit.

While honors will be listed in the commencement program for those who may reasonably anticipate them, the listing on the program is not a guarantee of receiving honors. The listing and reading of honors for spring degree candidates are based on the grade indexes achieved at the beginning of the student's final semester. The official honor awarded based on final grade indexes will be noted on the student's diploma and transcript.

Hour of Credit

Fort Hays State University recognizes the need to formalize the most basic of definitions for our instructional activities – the credit hour. It is the expectation that all credit awarded for academic work be based on the following definition of credit hour.

A "credit hour" is a reasonable approximation of the student learning outcome equivalency of, at a minimum, a Carnegie student credit hour. The quantity of student learning required per credit is the equivalent of at least 45 hours through activities that address and demonstrate student competency in the defined learning outcomes. Student learning outcomes equivalencies reflect differences in delivery methods, quality of instruction and interaction, degree of supervision, measurements of student work, academic disciplines, academic calendars, and course level and type.

NOTE: A Carnegie student credit hour unit equates roughly to contact hours plus study hours at the ratio of 2 study hours to 1 contact hour.

Improving a Grade

A student may attempt to improve a grade in any course by enrolling and completing the course again. All grades will remain on the student's transcript and the grade for the last enrollment in the course will be used in determining grade points and meeting degree requirements.

The grade in the course being repeated will also contain a notation RP (Repeated) on the transcript. A student who has an earned bachelor's degree may not repeat courses to improve the undergraduate degree grade point average once they have graduated. Although a course may be repeated to improve cumulative grade point average, the grade in the course being repeated will contain a notation RPD (Repeat of Course in Earned Degree Program).

Manuscripts for Academic Journals

Notwithstanding any use of institutional resources or the "work-for-hire" principle, the ownership of manuscripts for publication in academic journals shall reside with the creator(s) and any revenue derived from their works shall belong to the creator (s).

If the manuscript is to be published, the creator(s) shall request the right to provide the institution with a royalty-free right to use the manuscript within the institution in its teaching, research, and service programs, but not for external distribution, and, if successful, the creator(s) shall grant such right to the institution.

Upon the establishment of national governmental or nonprofit entities whose purpose is to maintain in an electronically accessible manner a publicly available copy of academic manuscripts, the Kansas Board of Regents will review each entity and upon determination that providing the manuscripts will not jeopardize the publication of articles or infringe on academic freedom, require the creator(s) to provide to the appropriate entity a limited license for the use of each manuscript.

Mediated Courseware

Institutions shall have limited ownership or control rights for mediated courseware as specified below:

(1) Self-initiated mediated courseware. When employees develop mediated courseware without specific direction by the institution, unless otherwise agreed, the ownership of the courseware shall remain with the employee. Normally, no royalty, rent or other consideration shall be paid to the employee when that mediated courseware is used for instruction at the institution and such mediated courseware shall not be used or modified without the consent of the creator(s). The mediated courseware shall not be sold, leased, rented or otherwise used in a manner that competes in a substantial way with the for-credit offering of their own institution unless that transaction has received the approval of the chief academic officer of the institution. Should approval be granted to offer the course outside of the institution, the creator shall reimburse the institution for substantial use of institutional resources from revenues derived from the transaction offering the course.

(2) Institution-directed mediated courseware. When the institution specifically directs the creation of mediated courseware by assigning one or more employees to develop the mediated courseware and supplies them with materials and time to develop the mediated courseware, the resulting mediated courseware belongs to the institution and the institution shall have the right to revise it and decide who will utilize the mediated courseware in instruction. The institution may specifically agree to share revenues and control rights with the employee.

Institutions shall develop procedures for reporting the development of mediated courseware to the appropriate administrator at the institution.

Non-Degree Credit and Students

Non-degree credit hours (FHSU courses numbered 000-099) are **not** allowed to count toward an FHSU undergraduate degree. An individual having a particular interest in university courses, but who does not wish to work toward a degree or any other organized program, may be permitted to pursue such courses.

Official Enrollment

The transcript is a record of the student's official enrollment. Enrollment is when approved classes are permanently secured by completing the Enrollment/ Payment tab on Workday.

Participation in Assessment Activities

Fort Hays State University is committed to the use of various kinds of assessment activities as a way of creating or acquiring information about student and faculty progress toward educational goals and the effectiveness of institutional policies and practices. In order to make necessary adjustments in the learning environment which will be effective in developing the talents of students and faculty to the fullest extent possible, assessment activities are conducted on a university-wide basis.

It is the responsibility of students to participate in any and all forms of assessment activity. The knowledge derived from student participation in assessment programming will help faculty and administrators make better choices about how to optimize the impact of the institution's learning environment, processes, and management practices.

Removing an Incomplete

The instructor will determine the conditions to be met for removal of an incomplete (I) for undergraduate courses. These conditions will specify the work to be completed and the time allotted for its completion; however, the maximum length of time for fulfillment of requirements to remove an incomplete grade shall be one year or one year after release from active duty for those students who are members of activated military reserve units.

If the work for a course taken for undergraduate credit is not completed within this time, the incomplete will revert to a grade of "NC." Prior to this issuance of a "NC," a student may request additional time by submitting a written petition to the Registrar. This additional extension will also require the approval of the instructor or, in the absence of the instructor, the department chair. If the student does not receive an extension, the incomplete grade will revert to a grade of "NC." Once a "NC" grade has been issued, a student may improve that grade by using the procedure for "Improving a Grade".

This rule with regard to time limit for completion of coursework shall not apply to students admitted to the Graduate School for graduate credit in courses centered on individual study such as theses, problems, readings, research, seminars, practicum, and independent study or any other arranged courses.

It will apply to all other courses in the Graduate School in which class work is ordinarily completed in the process of the regular semester. However, incompletes will not revert to an "NC" for courses for graduate credit that are not completed within one year and will remain permanently incomplete after a year.

Transcript Fees and Associated Faxing/Mailing Costs

Currently enrolled students -- Three free transcripts per semester while enrolled. Currently enrolled students after three free transcripts per semester are obtained -- $5 per transcript. Non-enrolled students -- $5.00 per transcript.

Additional Optional Services and Related Fees (All mailing charges are in addition to the transcript fee.)

Domestic/Intracontinental

USPS Mail -- No charge

Fax fee (to domestic numbers only) -- $5 per telephone number

FedEx (overnight) -- $15 per envelope

International

Airmail (delivery time may be several weeks) -- $5 per envelope

Express (FedEx or UPS) -- $40 per envelope

Copies of The Transcript Request Form and additional information are also available in the Registrar's Office.

Transcript Requests

A transcript is a certified, official copy of a student's permanent academic record. Because the transcript contains confidential information, it cannot be furnished or released to anyone but the student without a specific request signed by the student. The official transcript verifies that the student has graduated or completed specific coursework at FHSU. A transcript request must be made in person or in writing to the Office of the Registrar, Sheridan Hall; telephone requests cannot be accepted. See the Registrar's Office webpage for specific instructions at https://www.fhsu.edu/registrar/transcripts/index.

The university is in compliance with the Family Educational Rights and Privacy Act of 1974 as amended. Transcripts

picked up or sent directly to the students are stamped "issued to student." Most institutions will not accept such transcripts as official.

Undergraduate Student Grade Appeals

Membership in the FHSU learning community imposes upon the student a variety of commitments, obligations, and responsibilities (e.g., preparation for class, attendance, completion of reading assignments, participation in the governance of student affairs, etc.).

One of these responsibilities includes the appropriate and prescribed use of the grade appeals process. Students are expected to first avail themselves of the university's established tradition of informal appeals which may involve one or more consultations with the instructor(s) involved.

The reciprocal obligations which bind the members of the university learning community to one another require that all grade disputes must be initially addressed and discussed at this level. Failure to recognize this obligation to the instructor(s) on the part of the student must bring into question the appellant's commitment to the learning community and seriously prejudice further petitions for a resolution of the problem.

If a grade dispute is not informally resolved at this level through consultation with the instructor, the department chair, or the college dean, the student is obliged to consult next with the appropriate department chair who will inform the student in writing of formal departmental appeal procedures and the student's entitlement to formal university-level appeals procedures and options.

How to Withdraw Courses

Sign in to Workday using your TigerNet-ID username and password. Students are able to remove courses directly from an Academic Plan. In order to remove courses from a plan, the student must have an active Academic Plan with listed courses. This is initiated by a student's academic advisor. If you do not have an Academic Plan, please contact your advisor.

For refund information or drop deadlines refer to the Academic Calendar.

It is important to check with the office of Financial Assistance prior to dropping or withdrawing from a course to verify how it will affect your Financial Aid status.

Withholding Records (transcripts; registration)

In the case of a student who is delinquent in an account to the university, e.g., unpaid traffic or parking violations, library fines, etc., or has had official disciplinary action taken, the appropriate university official may request that the student's record not be released. The effect of this action is that transcripts are not released and registration forms are withheld.

To rescind the action, the Office of the Registrar must receive authorization from the official who originally requested the action indicating that the student met the obligation. However, a student for whom there is a transcript "hold" will not be prevented from visually reviewing the transcript in the Office of the Registrar.

Withdrawing from the University

Students who desire to totally withdraw from all semester or term courses should review the "Withdrawal Policy Statement" and follow procedures for course withdrawal. Students who leave the university without officially withdrawing are considered to be enrolled to the end of the semester and subject to a grade of unsatisfactory "U." Financial aid recipients who totally withdraw may be

Academic Policies, A—through—Z

Academic Clemency

An undergraduate student returning to FHSU after a minimum separation from all institutions of higher education of two calendar years may petition to remove one or two academic terms (at the discretion of the student) of FHSU credit hours and corresponding grades from the student's official transcript record. Only FHSU credit hours and coursework taken prior to the two-year separation may be petitioned.

If two enrolled semesters are appealed, then such terms must be consecutive enrollments as follows: (1) consecutive fall-spring terms, (2) consecutive spring-summer terms, (3) consecutive spring-fall terms (if not enrolled in the intervening summer term), or (4) consecutive summer-fall terms.

The petition may be filed after the student has completed a minimum of 24 semester credit hours with a grade point average of 2.50 or better on all courses completed following re-enrollment at FHSU. The student may appeal only once. All approved appealed course numbers and names would remain on the student's transcript with the appealed grades and credit hours removed. The notation "Academic Clemency Granted," would be entered on the transcript in lieu of the appealed grades and credit hours.

The approved appealed course grades and credit hours would not be included in any subsequent calculation of the student's overall grade point average. This policy is not applicable to any credit hours previously earned in any associate or baccalaureate degree program. For further information, contact the Office of the Registrar.

Academic Honesty

Membership in the FHSU learning community imposes upon the student a variety of commitments, obligations and responsibilities. It is the policy of FHSU to impose sanctions on students who misrepresent their academic work. These sanctions will be selected by appropriate classroom instructors or other designated persons consistent with the seriousness of the violation and related considerations.

Examples of academic dishonesty include but are not limited to: (1) Plagiarism, taking someone else's intellectual work and presenting it as one's own (which covers published and unpublished sources). Using another's term paper as one's own; handing in a paper purchased from an individual or agency; submitting papers from living group, club or organization files; or using another's computer program or document are all examples of plagiarism. Standards of attribution and acknowledgment of literary indebtedness are set by each discipline.

Faculty are encouraged to include disciplinary or class-specific definitions in course syllabi. Students should consult with their department or with recognized handbooks in their field if in doubt. (2) Cheating is unacceptable in any form. Examples include consultation of books, library materials or notes during tests without the instructor's permission; use of crib sheets or hidden notes; intentional observation of another student's test; receipt of a copy of an exam or questions or answers from an exam to be given or in progress; substitution of another person for the student on an exam or another graded activity; deliberate falsification of lab results; submission of falsified data; alteration of exams or other academic exercises; and collaboration on projects where collaboration is forbidden. (3) Falsification, forgery or alteration of any documents pertaining to assignments and examinations. (4) Students who (cooperate or in other ways promote) participate in promoting cheating or plagiarism by others (or who take credit for the work of others) will also be in violation of this policy.

Students participating in any violation of this policy must accept the consequences of their actions. Classroom instructors and/or university review/appeals committees and administrators will assess the sanctions for violation of this policy. The seriousness of the violation will dictate the severity of the sanction imposed.

Academic sanctions may include but not be limited to any of the following: (a) verbal or written warning; (b) lowering of grade for assignment/activity; (c) lowering of term grade; (d) failure of class assignment. Administrative sanctions may include but not be limited to either of the following: (a) suspension from the University; (b) dismissal from the University.

Academic Honesty Procedures

The University guarantees students the provision of due process. Students are first expected, however, to avail themselves of the University's established tradition of informal appeal. Steps 1-4 describe the informal process. Steps 5-7 describe the procedures designed to implement a formal appeal at the graduate/undergraduate levels.

Step 1: The faculty member decides whether or not a violation of the Academic Honesty Policy has occurred.

Step 2: The faculty member informs the student and the department chair that an alleged violation of the Academic Honesty Policy has occurred. It is the faculty member's obligation to select or devise an academic sanction consistent with the severity of the violation.

Step 3: The faculty member informs the student of the academic sanction and the process of appeal. If the sanction involves a lowering of a term grade, the faculty member informs the registrar of the change.

Step 4: If the student disagrees with the faculty member's allegation and/or recommended sanction, the student pursues the University's longstanding tradition of informal appeal by consulting with the faculty member, and, if the student still disagrees, by appealing to the department chair.

Step 5: If after the informal appeal, the student still disagrees with the faculty member's allegation or recommended sanction, the student may appeal in writing to the academic department no later than the end of the first week of the following semester. The department chair will provide the student with formal (a) departmental appeal procedures for undergraduates and special students or (b) departmental graduate appeal procedures for graduate students. (See specific written departmental appeal process.)

Step 6: Graduate students: If a graduate student disagrees with the allegation(s) or recommended sanction in the informal procedure, the graduate student may formally appeal through the Graduate School's graduate student appeals procedures. The formal graduate student appeal procedure begins with a written appeal to the department chair no later than the first week of the following semester. The writ-

ten appeal should state the specific reasons for the formal appeal to the department.
Undergraduate/special students: If the student is an undergraduate or special student and disagrees with the departmental allegation or recommended sanction, the student may appeal in writing to the provost no later than 15 working days following the decision.

Step 7: For undergraduate and special students, an administrative hearing panel will be formed by the provost to hear the undergraduate or special student appeal. The administrative hearing panel will consist of an academic administrator, assistant vice president for student affairs (assigned to work with student judicial affairs), four faculty members, and a student. The administrative hearing panel procedures for undergraduate and special students are available in the Office of the Provost.

Academic Probation and Suspension

Students are expected to perform at a level which will lead to graduation. A minimum of a C average (2.00) is required for graduation, although specific fields may require more than the minimum (for example, elementary and secondary education). If grades reflect that students are not making progress towards a degree, they are placed on academic probation or academic suspension.

Copyrightable Software

The rights to copyrightable software with an actual or projected market value in excess of $10,000 annually, except software included in mediated courseware, shall be determined pursuant to the Board's Patent and Copyrightable Software Policy.

Discipline Procedures

The disciplinary process at FHSU strives to provide students with positive reinforcement for living within the guidelines for acceptable behavior. The standards of behavior are set forth in the Student Code of Conduct. The intent is to make discipline educational and not punitive.

The encouragement and development of self-discipline is a primary goal of the educational process. The judicial system established hereby is designed to further this process and, therefore, is not comparable to or a substitute for jurisprudence under the criminal code. Only under extreme circumstances will the process be viewed as a method of terminating the student's relationship with FHSU.

Students facing possible disciplinary actions are assured that due process will be provided. This means they are told how the disciplinary process of the university functions, they will be made aware of the conduct alleged to have been in violation, they will have the opportunity to defend themselves by having witnesses appear on their behalf, they may have an advisor help them, and they may appeal the decision. Appealing a disciplinary action must be done within a defined span of time, but usually the disciplinary action will not go into effect until the appeal is heard.

The exception to this practice occurs only when delaying action until after an appeal would significantly compromise the safety and well being of the university community.

Procedurally, discipline is handled as close to the level of the problem as is possible and reasonable. In other words, residence hall behavior concerns are normally handled by the Residence Hall staff and/or Residence Hall Judicial Boards; Greek conduct questions are handled by the chapter of which the accused is a member, Interfraternity Council, Panhellenic Council, Greek Standards Review Board, etc. Local law enforcement authorities generally handle off-campus law violations.

The university reserves the right to make a case-by- case determination as to whether some conduct which occurs off of the premises of the university may be addressed under this policy.

The Office of Student Affairs normally handles violations of the Student Code of Conduct that do not fall under the jurisdiction of the judicial bodies listed above. This office also serves as the appellate body for Residence Hall Boards and the Greek Standards Review Board. The Assistant Vice President for Student Affairs is responsible for the coordination of administrative judicial programs and proceedings as later described.

In extraordinary circumstances having a detrimental impact on the university community, the Vice President for Student Affairs or his/ her designee may determine that summary administrative suspension or dismissal is appropriate. If such a determination is made, the student will be so informed and provided with the opportunity to meet with the Vice President or his/her designee. After investigation and consideration of information presented by the student, if any, the vice president or his/her designee will decide whether a sanction is warranted. This decision can be appealed to the President or his or her designee, whose decision will be final.

1. Reporting Violations Incident reports describing the alleged violation will be sent to the Assistant Vice President for Student Affairs, a designee of the Vice President for Student Affairs. (The Assistant Vice President is hereafter known as the Administrative Officer). The Administrative Officer will review and investigate the complaint in order to make a determination concerning whether the university will charge the student(s) with a Code of Conduct violation.

2. Student Conference If a student is charged with a Code of Conduct violation, he or she will be sent a notice (or called when necessary) to report to the Administrative Officer in order to discuss the charge and the disciplinary procedures. If the Administrative Officer and the charged student can agree upon the facts and sanctions concerning the charges, the matter will be considered initially settled. The matter will be considered resolved once the terms of the sanctions have been completed. The terms of the sanctions may range from dropping all charges to suspension (see Sanctions on the following page). The Administrative Officer will follow up the student conference with a letter to the student. In all cases where the facts and sanctions concerning the charges cannot be agreed upon, the Administrative Officer will determine whether the student(s) facing possible disciplinary action will have their case heard by a Student Hearing Panel or an Administrative Hearing.

3. Reporting Violations

a. Student Hearing Panel

The Administrative Officer will assemble the Student Hearing Panel, which consists of five students and a panel chair. A committee comprised of representatives from the Office of Student Affairs and the Student Faculty Court selects members of the Hearing Panel and the chair at the beginning of the fall semester. The Administrative Officer will serve as an advisor to the panel. The hearing will consist of the following procedures:

(1) The hearing will be closed, and all proceedings will be confidential. An exception will be allowed if both the charged student and the complainant agree to an open hearing.

(2) The student charged may bring an advisor or legal counsel for assistance but must speak for himself or herself. The role

of the advisor or legal counsel will be restricted solely to advising the student.

(3) The complainant and the charged student will have the opportunity to call and examine witnesses and to present and question other evidence. The student is responsible for having his or her witnesses at the hearing. The university can assist in obtaining the attendance of students and university personnel.

(4) The panel chair will exercise control over the hearing. Rules of evidence as used in courts will not be applied in this type of hearing. Any person who disrupts the hearing may be asked to leave the hearing. Repetitious or irrelevant evidence may be excluded.

(5) The standard of proof that will be used is the preponderance of evidence standard. In other words, a student will be found in violation of the Code of Conduct only when the evidence demonstrates it is more likely than not the student committed the violation.

(6) The Student Hearing Panel will deliberate in closed session in order to render a decision.

(7) Witnesses (other than the accused) will be present only during the time they are testifying.

(8) The panel chair will be responsible for rendering the decision in writing to the accused student. The decision shall include a summary of the findings and the sanctions imposed.

(9) The decision of the Student Hearing Panel shall be final unless the student files an appeal as provided in this handbook. Administrative Hearing The Administrative Officer will be the hearing official and may invite student(s), faculty, staff or other experts whose knowledge may be beneficial to serve as the hearing panel. The hearing will consist of the following procedures:

(1) The hearing will be closed, and all proceedings will be confidential. An exception will be allowed if both the charged student and the complainant agree to an open hearing.

(2) The student charged may bring an advisor or legal counsel for assistance but must speak for himself or herself. The role of the advisor or legal counsel will be restricted solely to advising the student.

(3) The university and the charged student will have the opportunity to call and examine witnesses and to present and question other evidence. The student is responsible for having his or her witnesses at the hearing. The university can assist in obtaining the attendance of students and university personnel.

(4) The hearing official will exercise control over the hearing. Rules of evidence as used in courts will not be applied in this type of hearing. Any person who disrupts the hearing may be asked to leave the hearing. Repetitious or irrelevant evidence may be excluded. Witnesses (other than the accused) will be present only during the time they are addressing the panel.

(5) The standard of proof that will be used is the preponderance of evidence standard. In other words, a student will be found in violation of the Code of Conduct only when the evidence demonstrates that it is more likely than not that the student committed the violation.

(6) The hearing official panel will deliberate in closed session in order to render a decision.

(7) The hearing official will be responsible for rendering a decision in writing to the accused student. The decision shall include a summary of the findings and the sanctions imposed.

(8) The decision of the hearing official shall be final unless the student files an appeal as provided below.

4. Appealing a Decision

An administrative action of a decision of an Administrative/Student Panel Hearing may be appealed to the Student/ Faculty Court by delivering a letter of appeal to the designated representative of the court within the time period specified in the decision (no less than five class days). The procedures of the Student/ Faculty Court are available on request from the Student Government Office in the Memorial Union.

The decision of the Student/Faculty Court is final unless the student files an appeal to the President of FHSU. The procedures for filing an appeal with the President are available upon request.

Enrollment of More than 21 Credit Hours

Students may be allowed to take in excess of 21 credit hours in a semester only by recommendation of the advisor and approval of the appropriate college dean.

Ethical Use of Computing Resources Policy

Introduction

Fort Hays State University (FHSU) provides computing resources and worldwide network access to its faculty, staff, and students for legitimate administrative, educational, and research efforts. As a member of the FHSU electronic community it is your responsibility to use computing resources ethically and responsibly. Members of the FHSU electronic community are expected to exercise reasonable care in the utilization of FHSU information systems or their components.

Privacy

There are limitations on the amount of privacy that can be expected for individuals utilizing computer resources. Complaints or exceptional circumstances may result in investigation. The Electronic Communications Act of 1986 provides no protection for employees using company online systems.

Users should exercise extreme caution in using e-mail to communicate confidential or sensitive matters, and should not assume that e-mail is private and confidential. It is especially important that users are careful to send messages only to the intended recipient(s). Particular care should be taken when using the *reply* command during e-mail correspondence.

Because the contents of such e-mail are subject to laws governing public records, users will need to exercise judgment in sending content that may be deemed confidential. Furthermore, e-mail transmissions may not be secure, and contents that are expected to remain confidential should not be communicated via e-mail.

Common examples of confidential contents include: student grades, personnel records, individual donor gift records, and data subject to the Health Insurance Portability and Accountability Act of 1996 (HIPAA), Family Educational Rights and Privacy Act (FERPA) regulations, and the Gramm Leach Bliley Act (GLBA).

Responsibilities

In making appropriate use of the FHSU computing resources, users must accept the responsibility for their behavior and: * Protect their user IDs and passwords from unauthorized use, recognizing that individuals are responsible for all activities on his/her user IDs. * Access only files and data that they own, they have been given authorization for, or that are publicly available. * Use only legal versions of copyrighted software in compliance with vendor license requirements. * Be considerate in their use of shared resources.

Refrain from monopolizing systems, overloading networks with excessive data (spamming), and wasting computer time, connect time, disk space, printer paper and

toner, and other computing resources. * Be cautious about e-mail messages because the information is public and may be retrieved and used in a court of law. * Comply in all respects with any request by the University to retain certain information, recognizing that information stored on the University's network is ultimately the responsibility of the University.

Individuals Will Not?

In making appropriate use of computing resources, individuals should avoid: * Accessing another person's files or data without permission. * Using computer programs to decode passwords or access control information. * Engaging in any activity that might be harmful to systems or to any information stored thereon, such as creating or propagating viruses, worms, Trojan horses, or disrupting services, spamming or damaging files. * Making or using illegal copies of copyrighted software or other copyrighted materials (such as digitized artistic productions and music or video files), store such copies on FHSU systems, or transmit them over FHSU networks.

* Using e-mail or message services to harass, intimidate, threaten, or otherwise annoy another person by use of sexual or bigoted content or content which poses an imminent threat to the life or safety of the person or persons receiving the communication.

* Disclosing their passwords or using another persons user IDs or passwords.

* Using FHSU systems for commercial use, such as performing work for profit or advertising in a manner not authorized by FHSU.

* Posting web pages that contain material that is illegal or promotes illegal activity (e.g., gambling or child pornography).

* Masking the identity of an account or machine. This includes sending mail that appears to come from someone else.

Using computer and telecommunications systems for personal use (as regulated by Kansas law and regulations on misuse of state property; see KSA 75-2949 F(d) and the State Department of Administration policy on Internet use).

Use of E-mail for FHSU business

The official Fort Hays State University e-mail account is the only electronic mail platform for communicating university business. Official e-mail communications are intended only to meet the academic and administrative needs of the campus community. All electronic notifications from the university are transmitted through this e-mail account and are not forwarded to other non-FHSU e-mail accounts. Users are expected to read, and shall be presumed to have received and read, all FHSU e-mail messages sent to their official FHSU email accounts. The university expects such communications will be received and read in a timely fashion.

Assignment of Student E-mail

Official university e-mail accounts are available for all enrolled students. The addresses are all of the form [Name]@e-mail.fhsu.edu. These accounts must be activated before the university can correspond with its students using the official e -mail accounts. An account Web site available through the Workday portal has been designed for this purpose. Students' official e-mail addresses will be included in directory information. As with other directory information, any student may request that access to his or her official e-mail address be restricted.

Expectations about Student use of E-mail

Students are expected to check their e-mail on a frequent and consistent basis in order to stay current with FHSU related communications. Students have the responsibility to recognize that certain communications may be time critical. Failure to check e-mail, error in forwarding mail, or e-mail returned to the university with *Mailbox Full* or *User Unknown* are not acceptable excuses for missing official university communications via e-mail.

Educational uses of E-mail

Faculty will determine how electronic forms of communication such as electronic mail will be used in their classes, and will specify their requirements in the course syllabus. This will ensure that all students will be able to comply with e-mail-based course requirements specified by faculty. Faculty can therefore make the assumption that students' official FHSU accounts are being accessed.

Redirecting of E-mail

If a student wishes to have e-mail redirected from their official FHSU address to another e-mail address such as @aol.com, @hotmail.com or an address on a departmental server, they may do so, but at their own risk. FHSU will not be responsible for the handling of e-mail by outside vendors or by departmental servers. Having e-mail redirected does not absolve a student from the responsibilities associated with official communication sent to his or her FHSU account.

Authentication for Confidential Information

It is a violation of FHSU policies for any user of official e-mail addresses to impersonate a university office, faculty/ staff member or student. To minimize this risk, some confidential information may be made available only through the password-protected Workday portal. In these cases, students will receive e-mail correspondence directing them to the appropriate Workday portal link, where they can access the confidential information only by supplying their student ID and personal identification number (PIN). The confidential information will not be available in the e-mail message.

Consequences of Misuse

Misuse of FHSU computing resources is unacceptable, and users will be held accountable for their conduct. The staff of the FHSU Computing and Telecommunication Center handles student infractions in an informal manner. Those that cannot be resolved in an informal manner will be referred to the Office of Student Affairs for disciplinary processing. Furthermore, student infractions that are considered serious in nature may be reported directly to the Office of Student Affairs. Students found to have committed infractions of this policy may lose FHSU computing privileges, and additional sanctions may be imposed.

General Copyright Policy

The ownership of the various rights associated with copyright are dependent upon the specific type of intellectual property. The institutions shall assert limited ownership of some of the various rights as set forth below.

Since the Board has a fiduciary responsibility for the appropriate use of state funds, unless otherwise provided for under this policy, all rights associated with works produced as "work-for-hire" or other works that make "substantial use" of institutional resources belong to the institution. "Substantial use" means that the creator receives more than normal support for the project or receives time and/or resources specifically dedicated to the project.

Grade Reporting

On-campus, mid-semester grades are available on Workday. No mid-semester grade reporting for FHSU Online classes.

Final grade reports are available on Workday on the FHSU website.

Intellectual Property Policy

The purpose of the Kansas Board of Regents Intellectual Property Policy is to foster the creation and dissemination of knowledge and to provide certainty in individual and institutional rights associated with ownership and with the distribution of benefits that may be derived from the creation of intellectual property. The policy is intended to be a broad statement to provide uniformity among the institutions while allowing for institutional flexibility.

The policy applies to all full or part-time employees, including students, creating intellectual property related to the scope of their employment while under contract with a Regents institution. When revenues are to be shared, the creator(s) shall obtain their share only after the institution has recouped any direct costs borne by the institution for equipment and materials and costs paid to third parties.

The portion of the revenues to be shared among multiple creators shall be shared equally unless otherwise agreed in writing by the creators. Institutions shall develop written policies and procedures consistent with this Intellectual Property Policy.

Licensing Program

Fort Hays State University operates a licensing program to provide legal protection for its identity marks. To protect the university's image, and to protect the university from liability, Fort Hays State University has implemented a program that establishes ownership and regulates the use of its name and other identity marks.

Students and student organizations receive special treatment in regard to the use of FHSU's protected identity marks. They are, however, subject to the university's identity standards. See www.fhsu.edu/is. **All must contact the Office of University Relations and Marketing, Hammond Hall, for prior approval before producing or commissioning any products**.

Although the university once charged royalty fees for the use of its protected identity marks on commercial products, all royalty fees have been discontinued in order to encourage wide dissemination of our image. However, all businesses are required to become licensed by submitting an agreement and paying an annual $50 fee, acknowledging FHSU's ownership of its marks.

All uses of the university's protected identity marks must be presented to the Office of University Relations for approval prior to manufacture. This approval is required for all uses, commercial or otherwise, including for students and student organizations. Call Mary Ridgeway at 4521 for further information about the FHSU licensing program.

Pass/No Credit Policy

The purpose of the Pass/No Credit (P/NC) is two fold: 1. to encourage students to select courses outside their major areas of study, with the purpose of broadening their educational experience without the fear of poor performance, therefore jeopardizing their grade point average; 2. to allow departments to utilize the P/NC option for certain courses that, because of their structure, do not lend themselves to traditional/consistent grading procedures.

Application:

(1) Any individual may enroll in a class for P/NC.

(2) Undergraduate students may be allowed to apply a maximum of 24 P/NC hours, excluding HHP credit, toward their degree.

(3) The courses the student elects to meet general education requirements, courses used in fulfillment of a major program (including cognates) except as noted in "(9)" below, the language component for the B.A., and courses required in a student's minor may not be taken for P/NC.

(4) After a student has enrolled in a course under the P/NC option, that individual may not subsequently change to a graded basis in that course, nor can the student who has enrolled for a grade subsequently change to a P/NC option.

(5) The student must declare P/NC for each course taken P/NC at the time of registration.

(6) It is the prerogative of the instructor to determine what constitutes a particular letter grade. The instructor will report a letter grade on the grade roster for the student at the end of the semester. The Computing Center will convert the letter grade to a P (Pass) or NC (No Credit). A grade of D or above will be converted to a grade of P; a grade of U will be converted to NC. The P or NC grade will be recorded on the student's transcript.

(7) Under P/NC a grade of P is not used in computation of the student's GPA.

(8) No College of Education Technology graduate course other than graduate-level Early Field Experience may be taken P/NC and count toward Teacher Certification and Endorsement.

(9) Departments shall have the option to designate certain courses within their programs as P/NC. Examples of such courses might include: Internships, Readings, Topics, Practica, Seminars, etc.

Transfer of Pass/No Credit Grades

All appropriately transferable credits* in which a grade of "P" has been earned and which come from an institution or a degree program utilizing only P/NC or P/F grading may be used to satisfy General Education requirements and the language requirement for the Bachelor of Arts degree.

All appropriately transferable credits in which a grade of "P" has been earned and which come from an institution or a degree program uti lizing only P/NC or P/F grading may be used to satisfy major or minor requirements. If all specified course requirements for the degree are fulfilled through the use of courses with a grade of "P," the university will regard the minimum average grade index requirement as having been fulfilled.

At least 30 semester hours of credit with a passing letter grade of A, B, C, or D for a bachelor's degree must be taken from Fort Hays State University. Pass ("P") or Credit {"CR") does not count towards the 30 semester hours."

** Appropriately transferable credits assume that an institution is accredited by a regional organization and that the class can be articulated to a comparable FHSU class.*

Patent and Copyrightable Software Policy

Patents obtained on inventions resulting from institutionally sponsored research or the ownership of copyrightable software with an actual or projected market value in excess of $10,000 annually shall be retained by the institution or may be assigned to an organization (herinafter called the Organization) independent of the institution and created for the purpose of obtaining patents on inventions, receiving gifts, administering or disposing of such patents, and promoting research and the development of intellectual property at the institution by every proper means. The following regulations shall be followed with respect to inventions or software:

(1) Anyone who conceives an invention resulting from a research project sponsored by the institution or who develops copyrightable software that is not included

in mediated courseware shall report the matter to the appropriate research administrator at the institution, who will recommend whether or not to forward it to the Organization.

(2) If the institution or the Organization decides that the invention does not warrant patenting, the inventor is free to patent it. In such case, however, the institution does not relinquish its right to publish any of the data obtained in the research project. If the institution or the Organization decides not to further the use of the copyrightable software, it shall assign the rights therein to the creator(s).

(3) When any revenue is obtained by or on behalf of the institution from the development or assignment of any patent or from royalties, license fees or other charges based on any patent or copyrightable software, not less than twenty-five (25) percent of revenues shall be paid to the inventor(s) or creator(s). Revenue sharing shall begin only after the institution recoups costs as set forth in this policy.

(4) The remainder of any revenue mentioned in Paragraph 3 shall be used to sponsor further research and research-related activities in the institution. The institution may agree that the Organization may retain a portion of the funds.

(5) In case of cooperative research sponsored in part by an outside corporation or individual, a written contract shall be made between the institution and the cooperating agency. This contract should include a statement of policy substantially equivalent to that outlined below:

"It is agreed by the parties to this contract that all results of experimental work, including inventions, carried on under the direction of the scientific staff of the institution, belong to the institution and to the public and shall be used and controlled so as to produce the greatest benefit to the public. It is understood and agreed that if patentable inventions or copyrightable software grow out of the investigation and such inventions or software have commercial value, the cooperating agency shall receive preferential consideration as a prospective licensee, with a view to compensating said cooperating agency in part for the assistance rendered in the investigation."

"It is further agreed that the name of the institution shall not be used by the cooperating agency in any advertisement whether with regard to the cooperative agreement or any other related matter."

(6) In case of a research project where it is proposed that all costs including overhead, salary of investigator, reasonable rent on the use of equipment, etc., are paid by an outside party, the outside party and the institution shall negotiate the appropriate assignment of all patent or copyrightable software rights prior to the provision of any funding by the outside party. The institution shall reserve the right to publish all data of fundamental value to science and technology.

(7) Changes in the above policies may be made by the institution to conform to the requirements of the United States Government when contracting with the United States Government or a Federal Government Agency.

Reinstatement and Appeal

If a student is placed on academic suspension, it is in the student's best interest to take at least one semester to reconsider and re-evaluate career plans. If extenuating circumstances contributed to the academic suspension an "Application for Academic Reinstatement" may be filed prior to the next semester.

Forms are available in the Registrar's Office, and the Academic Advising Center. Reinstatement is not automatic; each application will be considered on its own merit. If the student enrolls at another school during the period of suspension, the student will be expected to achieve a minimum of a C average at that institution.

There is, however, no right to reinstatement.

Sanctions

When a student admits to being or is found to have been in violation of the FHSU Student Code of Conduct Regulations, the following responses and sanctions are possible:

Reprimand - Official censure

Restitution - Repayment of any monetary damages

Specifically Defined Sanction - Specific conditions or assignments given to the student; examples include but are not limited to:

* Community service
* Research papers/personal essays
* Workshop attendance
* Loss of privileges and exclusion from activities
* Exclusion from specified areas of campus
* Special projects or assignments

Disciplinary Probation - Period of review and observation during which the student is warned that the misconduct was very serious and that further violations of the code of conduct may result in more serious sanctions

Deferred Suspension or Dismissal - Denial of enrollment, attendance and/or privileges for a specified period of time

Permanent Suspension - Dismissal from the university

Expulsion - Immediate and permanent removal from the institution (used only when it is believed that the presence of the student will have a detrimental impact on the university community)

All sanctions may be imposed singularly or in combination. Sanctions are designed to promote the educational mission of FHSU. The severity of the sanction(s) imposed is intended to correspond with the severity or frequency of violations, as well as the student's willingness to recommit him or herself to good citizenship through behaviors that fall within the conduct regulations of the institution.

Scholarly and Artistic Works

Notwithstanding any use of institutional resources or the "work-for-hire" principle, the ownership of textbooks, scholarly monographs, trade publications, maps, charts, articles in popular magazines and newspapers, novels, nonfiction works, artistic works, like works, and supporting materials shall reside with the creator(s) and any revenue derived from their work shall belong to the creator(s). Except for textbooks, institutions shall have royalty-free use of the work within the institution, unless otherwise agreed in writing.

Student Academic Creations

The ownership of student works submitted in fulfillment of academic requirements shall be with the creator(s). The student, by enrolling in the institution, gives the institution a nonexclusive royalty-free license to mark on, modify, retain the work as may be required by the process of instruction, or otherwise handle the work as set out in the institution's Intellectual Property Policy or in the course syllabus. The institution shall not have the right to use the work in any other manner without the written consent of the creator(s).

Student Right-to-Know & Campus Security Act

In compliance with 20 USC Sec. 1092 (The Students Right-To-Know and Cam-

pus Security Act), universities are required to publish an annual security report. Fort Hays State University's annual security report includes statistics for the previous three years concerning reported crimes that occurred on campus.

The report also includes institutional policies concerning campus security, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault and other matters. A copy of this report may be obtained by contacting the Office of Student Affairs (208 Sheridan Hall, 628-4276) or by visiting http://www.fhsu.edu/judicial/security.

Issued in compliance with 20 USC Sec. 1092 (The Student Right-to-Know and Campus Security Act), universities are also required to publish the persistence and graduation rates of their students. The persistence and graduation rates report for Fort Hays State University may be obtained by contacting the Office of Student Affairs (208 Sheridan Hall, 628-4276).

Withdrawal Policy Statement

Students may with withdraw full-semester (16-week) courses through 11:59:59PM CT on the 35th calendar day of the semester. Students withdrawing during this time period will not receive any notation on their transcript. Students who withdraw after this period and through 11:59:59PM CT on the 70th day of the semester will receive a notation on the transcript of withdrawal (W).

No withdrawals after the 70th day of the semester. Students who withdraw completely will receive a notation on their transcript of the date withdrawn. Students receiving financial aid have additional responsibility and should contact the Office of Student Financial Assistance in Custer Hall, 785-628-4408.

Withdrawal for Active Military Duty Policy Statement.

Students who mandatorily are called from reserve or National Guard status to active duty in the armed forces will be eligible for a full refund of tuition and fees and the balance of unused University housing and food charges at the time of withdrawal upon presentation of official documentation to the Registrar's Office.

Students who have received Federal Financial Assistance for the semester they withdraw are required to repay according to the Fort Hays State University refund policy. The academic status of each student will be determined at the time of departure in cooperation with their academic college in a manner so as not to penalize or disadvantage the student. Students called to active duty should be allowed to pursue finishing their course work within one academic year after completing their active military duty.

Financial Assistance for Students

Office of Student Financial Assistance

The office administers federal Title IV programs according to U.S. Department of Education guidelines. All Title IV aid is awarded based on financial need determined by family and student analysis. Title IV programs include Federal Pell Grants, Federal Supplemental Opportunity Grants, Federal College Work Study, and Federal Perkins Loans Program.

Major loan programs include the subsidized and unsubsidized Stafford Loans and Parent Loans (PLUS). In addition, the office administers Institutional Work Programs, the State of Kansas Work Program, institutional scholarships, and Veterans Administration benefits. Students must file the Free Application for Federal Student Aid (FAFSA) as soon after January 1 as possible.

A copy of the FAFSA may be obtained at high school counseling offices or FHSU's Office of Student Financial Assistance in late November or early December. The interactive on-line version of the FAFSA can be accessed at http://www.fafsa.ed.gov/.

It is imperative that the application be completed before March 15 of every year. Nearly 73 percent of FHSU students receive some form of assistance through grants, loans, or scholarships. More information regarding all types of aid can be found by visiting the FHSU Financial Assistance Web site at http://www.fhsu.edu/finaid/.

General Provisions (Part A)

Section 668.16(e) of the student general provisions requires that financial aid recipients maintain satisfactory progress for continued eligibility for Title IV funding. Funding under this title includes the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal College Work Study, Federal Perkins Loan, and the Federal Stafford Loan Programs (subsidized and unsubsidized loans). This policy includes all funding from the State of Kansas for the Kansas Comprehensive Grant Program, various scholarship programs administered by the State of Kansas and all university scholarships.

The Financial Assistance Office will determine the satisfactory progress of each student receiving assistance at the completion of the fall, spring, and summer/terms. Eligibility relative to this policy may also be reviewed as students apply for aid at FHSU. The Office of Financial Assistance will notify students, by mail, who do not meet the standards. All credits accepted by the university from other institutions will be used to calculate eligibility.

Financial Aid Probation: Students who do not meet one or more of the Satisfactory Academic Progress Policy standards (see Part B and Part C) will be placed on probation as a warning that their academic work is below the standard. Students are required to complete a Satisfactory Academic Progress Contract before future aid will be processed. Undergraduate students who are provisionally admitted to FHSU due to poor academic performance will automatically be placed on probation. If a student corrects the deficiency by grade changes or meeting the standards by work on their own, they will be removed from probation. Probation status cannot be appealed.

Financial Aid Suspension: Students who do not fulfill their probationary contract obligations will be suspended and prohibited from receiving future aid until all standards are met. In addition, any financial aid recipient who receives all unsatisfactory grades (U) at the end of a term will automatically be suspended (i.e. no probationary period will be granted). Eligibility processing for suspended students will be discontinued and any aid available will be canceled.

Students may appeal financial aid suspensions to the Financial Aid Appeals Committee unless they have been dismissed from the university or have not been academically reinstated by the Vice

Provost of Academic Affairs Office. Satisfactory Academic Progress for Financial Aid Eligibility should not be confused with the university's academic policy.

All appeal decisions addressed by the committee are final and not subject to further review. Reinstatement of any aid originally awarded to a suspended student is at the committee's discretion. A Financial Aid Suspension Appeal Form must be completed and returned to the Office of Student Affairs. Once this step has been completed, students must call the Office of Student Affairs at 785-628-4277 to schedule an appeal with the Financial Aid Appeals Committee.

Undergraduate Student Standards (Part B)

Time Frame: The maximum time frame for undergraduate and eligibility is 186 credit hours attempted at FHSU or any other institution. The time frame considers all hours attempted regardless of whether or not the student has ever received financial assistance or has completed a prior degree.

Grade Point Average: Undergraduate students must maintain a cumulative GPA according to the following schedule:

Cumulative Credit Hours	Cumulative GPA Requirement
0-29	1.4
31-59	1.7
60-89	1.8
90 or more	1.86

Attempted Hours/Credit Hour Completion Standard: Attempted hours are any credits a student is enrolled in at the time aid is disbursed. Financial aid recipients who receive all failing grades at the end of any term will automatically be placed on suspension. The following table indicates how many hours must be completed in relation to a student's attempted hours per semester/term, and which grades will be counted as completed and non-completed at the end of the semester/term:

Hours Attempted per semester/ term	Hours Completed per semester/term	Completed Credits	Non-Completed Credits
12+	9	A - Superior Achievement	U - Unsatisfactory
9 - 11	6	B - Good Achievement	I* - Incomplete
6 - 8	3	C - Average Achievement	W** - Withdrawal
1 - 5	1	D - Minimum Passing Achievement	WC - Cancellation
-----	-----	P - Pass	WP - Withdraw Passing
-----	-----	CR - Credit	WF - Withdraw Failing (not calculated in GPA)

Scholarship Services

The Office of Student Financial Assistance administers the scholarship program offered through many sources. The primary goal of this office is to assist students in locating and pursuing scholarship opportunities. The on-line Scholarship Application (available after October 1) lists all university scholarship funding sources. The final deadline for all scholarship applications is generally February 15 but can vary from year-to-year. Please call or visit on-line the Office of Student Financial Assistance for advice on applying for aid or scholarships.

Veterans, Reservists, Service Persons

The university welcomes veterans, reservists, service persons, or other eligible persons. The Office of Student Financial Assistance provides information, guidance, and counseling to those who are eligible for educational benefits under the Veterans Readjustment Assistance Act of 1967, the Dependents Education Assistance Act, the Vocational Rehabilitation Act, and the Post-Vietnam Era Veteran Educational Assistance Act of 1976.

To be eligible for benefits through the Department of Veterans Affairs, the veteran must have served continuously on active duty for a period of 181 days. All or part of the continuous service must have occurred after January 21, 1955. The conditions of discharge or release from service must be other than dishonorable.

Veterans planning to train under the Readjustment Assistance Act are required to pay cash for fees, books, and supplies. The veterans, in turn, receive an allowance during each month of schooling, based on credit hours of enrollment and the number of dependents.

Similar educational benefits are provided under the Dependents Education Assistance Act for children, wives, and widows of veterans whose death or permanent disability was service-related.

The Vocational Rehabilitation Act provides benefits for disabled veterans covering fees, books, and supplies as well as a subsistence stipend.

The Veterans Educational Assistance Program provides benefits for the post-Vietnam era veterans who entered service on or after January 1, 1977, and made contributions for at least three months. The total amount of benefits is contingent on the amount and number of months one contributed with a maximum of 36 months of entitlement.

Inquiries concerning eligibility should be directed to the Department of Veterans Benefits Section of the Veterans Administration regional office. Application forms are available in the Office of Student Financial Assistance as well as other Veterans information. Veterans planning to study under these laws are advised to secure approval for training and to contact the Office of Student Financial Assistance well in advance of enrollment.

Student Employment

The Student Employment Office administers the various FHSU job programs, including Federal College Work-study, Kansas Career Work-study, and University

department-funded employment. Students must complete the FAFSA to be considered for Federal College Work-study and Kansas Career Work-study eligibility. Department-funded employment is open to all students regardless of financial aid status.

The Student Employment Office coordinates with hiring departments to list a variety of available student jobs. Students seeking employment are referred to the hiring departments to arrange interviews.

Graduate School

Correspondence Guide

The Graduate School staff and the members of the graduate faculty are ready to answer questions from students and prospective students. The "Correspondence Guide" below is provided so that inquiries can be addressed to the offices or persons most likely to be of help in each instance. All questions about specific courses or particular degree programs should be directed to the appropriate college, department, or office as listed below:

- Admissions - Graduate School
- Candidacy - Major Advisor
- Career Development - Career Services
- Catalog - Graduate School
- Certification (Teacher) - Dean, College of Education
- Commencement - Graduate School, Registrar's Office
- Comprehensive Examination, Sign for - Graduate School
- Degree Program - Chair of Major Department
- Fees - Registrar's Office
- Fee Payment - Student Fiscal Services
- Financial Assistance - Student Financial Assistance
- Graduate Assistantship Availability - Chair of Major Department
- Graduate Assistantship Application/Background Checks- Graduate School
- Loans and Campus Employment - Student Financial Assistance
- Departmental Scholarships - Chair of Major Department
- Handicapped, Services for - Vice President for Student Affairs
- Housing - Student Residential Life
- Intent to Graduate, Apply - Graduate School
- International Students - International Student Advisor
- Off-Campus Courses - FHSU Online
- Personal Health History - Student Health Center
- Placement - Career Services
- Residence Status (Tuition) - Registrar's Office
- Specific Course - Department Offering Course
- Summer Session - Registrar's Office, FHSU Online
- Summer Session, Specific Course - Chair of Department
- Tests (GRE, GMAT, MAT) - Testing Center
- Transcripts- Registrar's Office
- Tuition and Fees - Student Fiscal Services

Origin and Development

On January 9, 1929, the Kansas State Board of Regents authorized the Kansas State Teachers College of Hays to establish a Graduate Division and to grant a Master of Science degree. The first degrees were granted in 1930. In 1958, the college was authorized to grant the Specialist in Education degree to students who completed a 30-hour program of study beyond the master's degree.

The Graduate School offers 18 master's degree programs and 2 Specialist in Education programs in 82 concentrations across all four colleges of the university. The programs and concentrations in the Graduate

School represent advanced professional training and liberal arts programs. A unique strength of the Graduate School is the 10 programs available at a distance through the FHSU Online.

Mission and Vision

The mission of the Graduate School is to serve its beneficiaries through excellence in support, continuous quality improvement, and innovation.

The vision of the Graduate School is to aspire to be a nationally recognized leader in graduate education, internationalization, and research.

The Graduate School is the unit responsible for organizing and supervising the graduate instructional programs of the university and for developing them toward their highest level of excellence. It is also the unit responsible for facilitating, encouraging, and coordinating the research and internationalization efforts of the university and for developing those efforts toward the highest level of excellence. The school has a primary concern with meshing graduate instruction and research into mutually supporting programs and also with integrating both into the total effort of the university.

All colleges of the university are served by the Graduate School. The Dean of the Graduate School/ Assistant Provost for Academic Programs has responsibility for coordinating, encouraging, and stimulating graduate and faculty research and internationalization programs in all of the university's academic units.

Internationalization Office

Internationalization is the process of becoming international in scope in all facets of the university. Operationally, this translates into the coordination of five primary areas of international academic work: (1) recruiting, (2) study abroad and exchange, (3) faculty development and exchange, (4) partnerships, and (5) comprehensive internationalization of the curriculum.

As the "matrix manager" for internationalization of the university, the Associate Provost works with other units in a consultative role across all three divisions of the university to achieve university goals established by accrediting agencies (NCA AQIP), the Kansas Board of Regents (KBOR), and internal strategic plans.

In the area of international recruiting, the Internationalization Office is charged with, but not limited to, the following areas of responsibility: (1) international recruiting agent development, management, and support, (2) web-based marketing and recruitment, (3) special international recruitment initiatives, (4) international education fairs, and (4) developing partnerships that foster student mobility to FHSU.

In the area of study abroad and exchange, the Internationalization Office is charged with, but not limited to, the following areas of responsibility: (1) communication and marketing of study abroad and exchange opportunities to students and faculty, (2) administering university budget for study abroad scholarships, (3) encouraging faculty in academic departments to develop faculty-led study abroad opportunities, and (4) developing international academic partnerships that foster student mobility abroad.

In the area of faculty development and exchange, the Internationalization Office is charged with, but not limited to, the following areas of responsibility: (1) identifying and supporting faculty members in the development of Fulbright grant applications, (2) administering a faculty international travel budget, (3) encouraging departments to apply for Fulbright Scholar-in-Residence and Occasional Lecturer grants and other grant initiatives relating to internationalization of the faculty, and (4) developing international partnerships that foster faculty mobility and exchange.

In the area of partnerships, the Internationalization Office is charged with, but not limited to, working with the Office of Strategic Partnerships and other academic units to develop partnerships that foster international student recruiting incentives, study abroad opportunities, and faculty exchange agreements.

In the area of comprehensive internationalization, the Internationalization Office is charged with administering the following international programs for the university: (1) Global Competencies area of emphasis, (2) the International Studies minor, (3) the International Studies certificate program, and (4) the Study Abroad certificate program.

Global Competencies Minor

Also known as Global Competencies 3.0, the Global Competencies minor is designed to complement any undergraduate academic major. The philosophy of the area of emphasis is to develop introductory global competence in addition to a student's disciplinary skills and knowledge developed within their major. The core course for this area of emphasis is the Seven Revolutions concept originally designed by the Center for Strategic and International Studies offered by the Department of Leadership Studies.

Students are expected to complement their exploration of Seven Revolutions concepts through choices

of additional international disciplinary coursework focused around strategic themes. After achieving some introductory knowledge of global issues within their major, students are then required to experience and enhance their global knowledge through a combination of study abroad or foreign language courses. Note that students pursuing a Bachelor of Arts (BA) major must study abroad and cannot use foreign language credits to meet this requirement. Upon completion of the experiential learning component, students will complete a culminating experience such as a project, senior thesis, or public presentation that incorporates their disciplinary knowledge in a global context influenced by their experiences.

The Global Competencies minor requires admission based upon the following criteria: (1) students must have declared a disciplinary major, (2) students must have earned 12 undergraduate credit hours, (3) students must have a minimum cumulative 2.5 GPA, and (4) students must have completed LDRS 120 Issues in Leadership – Seven Revolutions with a grade of C or better. Applications for admission to the program are made through the Graduate School. Students admitted into this program must maintain a 2.5 GPA in the program courses. Students who do not maintain a 2.5 GPA in the program courses will not receive the program transcript designation.

Admission will be processed on a rolling basis. Students may apply for admission to the program at any time. The Associate Provost for Internationalization and Partnership or his/her designee serves as the Global Competencies advisor. The Internationalization Team serves as the recommending body for all departmental requests for course inclusion including considering organization of new thematic areas within the minor. Final approval for academic content resides with the Provost. Course substitutions may occur with the approval of the Assistant Provost for Internationalization. Transfer courses will be evaluated by the Assistant Provost for Internationalization on a case-by-case basis. A minimum of twenty (20) credits must be earned for the minor to be awarded. The following areas of emphasis are available:

I. Business and Technology

Curriculum	**Credits**
Global Knowledge: LDRS 120: Issues in Leadership - Seven Revolutions	3
Two courses selected from: • ECON 644 International Economics • FIN 645 International Finance • MGT 606 International Business • MKT 606 International Marketing • MGT 620 Principles and Practices in Tourism & Hospitality Management • BCOM 400 Global Business Communication	6
Global Skills/Experiences: Study abroad experiences or foreign language courses (or combination thereof) ** B.A. students must choose to study abroad*	10
Culminating Experience: Project, senior thesis, or public presentation	1-2
TOTAL	**20-21**

II. Healthcare

Curriculum	**Credits**
Global Knowledge: LDRS 120: Issues in Leadership - Seven Revolutions	3
Two courses selected from: • NURS 491 Health Care System, Policy, and Cost (2) • NURS 632 Population-Based Health Care Delivery • POLS 230 Introduction to International Relations • SOC 333 Global Forces in a Changing World • SOC 460 Comparative Cultures & Societies • COMM 602 Intercultural Communication	5-6
Global Skills/Experiences: Study abroad experiences or foreign language courses (or combination thereof) ** B.A. students must choose to study abroad*	10
Culminating Experience: Project, senior thesis, or public presentation	2-3
TOTAL	**20-21**

III. Language and Culture

Curriculum	Credits
Global Knowledge: LDRS 120: Issues in Leadership – Seven Revolutions	3
Two courses selected from: • MLNG 605 French Civilization • MLNG 612 German Civilization • MLNG 623 Spanish Civilization • HIST 350 Latin American Civilization • POLS 230 Introduction to International Relations • POLS 631 U.S. Foreign Policy • COMM 602 Intercultural Communication • SOC 333 Global Forces in a Changing World • SOC 460 Comparative Cultures & Societies • PHIL 160 Philosophy of Eastern Religions • MUS 361 World Music • ART 380 Survey of Art History	6
Global Skills/Experiences: Study abroad experiences or foreign language courses (or combination thereof) ** B.A. students must choose to study abroad*	10
Culminating Experience: Project, senior thesis or public presentation	1-2
TOTAL	**20-21**

IV. Our Environment

Curriculum	Credits
Global Knowledge: LDRS 120: Issues in Leadership - Seven Revolutions	3
Two courses selected from: • IDS 499 Global Environmental Issues • BIOL 200 Humans and the Environment • GSCI 275 Global Climate Change: Science and Impacts • GSCI 340 Environmental Geology • PHYS 102 Physical Science	6
Global Skills/Experiences: Study abroad experiences or foreign language courses (or combination thereof) ** B.A. students must choose to study abroad*	10
Culminating Experience: Project, senior thesis, or public presentation	1-2
TOTAL	**20-21**

International Studies Minor

The College of Arts, Humanities, and Social Sciences offers a 9-hour Certificate as a 21-hour Minor for students who would like to augment their major with an International Studies component. Students who complete the International Studies Minor will have the minor listed on their transcripts. Increased globalization, and the significant interdependencies between the U.S.A. and the rest of the world, underscore the importance of an international perspective.

Curriculum for the Minor

Required Foundational Courses (6 hours)

All students are required to complete any two of the three courses listed in International Studies in the Liberal Arts section of the General Education program. In order to receive the International Studies Minor, the student would have to complete the International Studies course not taken for General Education credit. POLS 230 Introduction to International Relations (can also be used to meet General Education requirements)

Electives (12 hours)

Choose four of the following courses, but no more than two from the same department:

ECON 644 International Economics
FIN 645 International Finance
GSCI 104 Cultural Geography
GSCI 322 Latin American Geography
GSCI 644 Climatology
HIST 350 Latin American Civilization
HIST 646 American Diplomatic History Since 1914
IDS 405 Heritage: Society, Science & Culture Since 1700 (can also be used to meet Gen. Ed. requirements)
IDS 499 Global Environmental Issues (can also be used to meet General Education requirements)
MLNG 112 Great Works in Translation (can also be used to meet General Education requirements)
MLNG 612 German Civilization
MLNG 623 Spanish Civilization
MLNG 624 Latin-American Civilization
MGT 606 International Business
MKT 606 International Marketing
POLS 631 U.S. Foreign Policy
POLS 632 Problems and Issues in World Politics
POLS 640 Comparative Politics
POLS 675 Seminar: International Law
POLS 675 Seminar: International Political Economy-
POLS 675 Seminar: Comparative Political Economy

Required Culminating Experience (3 hours)
Three hours of Supervised International Experience. For other requirements, see Art Morin, Administrator.

Graduate School - International Studies

International Studies Certificate
Required (3 hours)

All students are required to complete any two of the three courses listed in International Studies in the Liberal Arts section of the General Education program. In order to receive the International Studies Certificate, the student would have to complete the International Studies course **not** taken for General Education credit.

Electives (6 hours)

Choose any two of the following courses, but no more than one from the same department.

ECON 644 International Economics
FIN 645 International Finance
GSCI 104 Cultural Geography
GSCI 322 Latin American Geography
GSCI 644 Climatology
HIST 350 Latin American Civilization
HIST 646 American Diplomatic History Since 1914
IDS 405 Heritage: Society, Science & Culture Since 1700 (can also be used to meet General Education requirements)
IDS 499 Global Environmental Issues (can also be used to meet General Education requirements)
MLNG 112 Great Works in Translation (can also be used to meet General Education requirements
MLNG 612 German Civilization
MLNG 623 Spanish Civilization
MLNG 624 Latin-American Civilization
MGT 606 International Business
MKT 606 International Marketing
POLS 230 Introduction to International Relations (can also be used to meet General Education requirements)
POLS 631 U.S. Foreign Policy
POLS 632 Problems and Issues in World Politics
POLS 640 Comparative Politics
POLS 675 Seminar: International Law
POLS 675 Seminar: International Political Economy
POLS 675 Seminar: Comparative Political Economy

In order to earn the certificate, the student must receive at least a "C" in each class. For other requirements, see Art Morin, Administrator.

Study Abroad Certificate

Students completing a minimum of nine credits through study abroad experiences are eligible to receive a certificate from the Office of Internationalization in the Graduate School.

Students must apply for this certificate program through the Graduate School. Students must either enroll in a minimum of nine (9) credits of FHSU study abroad credit or transfer a minimum of nine (9) credits from an approved institution with which FHSU has a consortium or partnership agreement.

All courses must be approved by the academic department chair and Assistant Provost for Internationalization to qualify for the certificate prior to departure. Students must earn a minimum grade of C or better (undergraduate) or B or better (graduate) in each course to qualify for the certificate.

Credits may apply to a student's degree or program requirements in addition to the certificate. A certificate can be issued for an undergraduate or graduate student. Students enrolled in the Global Competencies minor may apply study abroad credits earned to both academic programs.

Graduate School - Programs and Degrees

There are different levels of graduate study at Fort Hays State University. The Master of Science, Master of Arts, Master of Business Administration, Master of Liberal Studies, and Master of Science in Nursing degrees are awarded as the first graduate degrees for graduate study.

The Master of Fine Arts degree is the professional terminal degree in the field of visual arts and normally requires two years of full-time graduate work. The Specialist in Education degree is given for completion of an approved program of advanced graduate study beyond the Master's degree. It is a professional graduate degree providing advanced study for school personnel. There is also a non-degree option for those who wish to do graduate work for personal and professional reasons without pursuing a degree.

Information concerning graduate study in general as well as rules and regulations that pertain to the various Master's degrees and the Specialist in Education degree can be found in The Master's Degree section.

Graduate School

Degrees & Fields of Study

Master of Arts
- English
- English-TESOL
- History

Master of Business Administration
- Accounting
- Finance
- Health Care Management
- HHP-Sports Management
- Human Resource Management
- Information Assurance
- International Business
- Leadership Studies
- Management Info. Systems
- Marketing
- Tourism & Hospitality Mgt.
- General MBA

Master of Fine Arts
- Printmaking, Sculpture, Photography
- Drawing, Painting, Ceramics, Graphic Design, Inter-media

Master of Liberal Studies (On-Campus Concentrations)
- Digital Cinema Production
- Geosciences
- Gerontology
- Global Professional English
- Global Studies
- Health Sciences
- Information Analysis and Communication
- International Enterprise Leadership
- Management Info. Systems
- Mathematics
- Modern Languages
- Music
- Political Science
- Science Education
- Social Networking Management
- The e-learning Professional

Master of Arts

The Master of Arts degree is granted in two areas: English and history. A thesis is optional in both programs.

Master of Business Administration

The M.B.A. program is a professional degree program for individuals with an undergraduate degree in any major. Its purpose is to prepare students for advancement into higher levels of management in their chosen fields. The program emphasizes management and administration in a rapidly changing environment. The MBA is designed to enhance competency in the functional areas of business administration by providing graduates with skills and perspectives needed for success.

Master of Fine Arts

The Master of Fine Arts degree requires a high level of professional competence in the visual arts. The degree requirements for entrance and graduation meet the published regulations of the College Art Association. The degree program consists of a minimum of sixty (60) hours of graduate work and is structured accordingly. The applicant must have a Bachelor's degree with a major in Art from an accredited institution and have completed a minimum of 36 semester credit hours in art on the undergraduate level. Deficiencies must be completed before candidate is allowed to proceed to the M.F.A. degree program. A minimum of 10 hours in a studio concentration on the undergraduate level must be completed before the student is considered a major on the graduate level.

Master of Liberal Studies

Concentrations within the MLS provide collections of advanced study in areas of professional interest to you. Choose from concentrations in arts, humanities, social sciences, sciences, business, education, and health studies areas taught by FHSU disciplinary graduate faculty. Choose innovative concentrations in emerging multi-disciplinary interest areas such as international enterprise management, global studies, global management, professional English, e-learning, and social media management. Concentrations to meet emerging workforce development needs are being developed each year.

Master of Professional Studies

The Masters of Professional Studies (MPS) is designed to provide advanced professional education. The areas of concentration within this degree are: computer networking, cyber security, human resource management, information assurance management, political management, public health administration, and web development.

Graduate School

Master of Science
The Master of Science degree is granted in the following subject areas: Biology; Communication; Counseling; Education; Education Administration; Geosciences; Health and Human Performance; Instructional Technology; Psychology; Special Education; and Speech-Language Pathology.

In many of these subject areas, a thesis is required. The thesis is optional in other areas, and some areas require no thesis. The Graduate Record Examination (GRE) is required in Geosciences and Psychology. Either the Miller Analogies Test (MAT) or the GRE is required in Counseling; Education Administration; Health and Human Performance; and Speech-Language Pathology.

Master of Science in Nursing
The Master of Science in Nursing is a professional degree program designed to prepare nurses to assume advanced nursing specialty roles. Students may study in one of three concentrations: nurse administrator, nurse educator, or family nurse practitioner (FNP). Applicants must have a Bachelor's degree in Nursing, basic health assessment course (or equivalent), and an upper-division undergraduate statistics course. FNP applicants also need an undergraduate pathophysiology course. The Miller Analogies Test (MAT) is required of all applicants. A thesis (or research project for the FNP students) is required for graduation.

Requirements for the Master's Degree

Admission to the Master's Degree Program
Each applicant for admission to graduate study in a degree program must complete the following procedures before the application for admission will be considered: (1) present to the Graduate School an official application for admission; (2) pay the $35 domestic application fee or $50 international application fee; (3) provide the Graduate School with an official Bachelor's degree transcript or certified mark sheet and diploma/degree certificate copy. (NOTES: The transcript(s) submitted for admission cannot be returned to the student, nor can copies of such transcripts be made and issued to the student or to other colleges or universities. For domestic students, the bachelor's degree transcript must be awarded by a regionally accredited institution unless exceptions to this policy are recommended by the Graduate Dean. For international applicants from higher education systems that indicate degrees only through diplomas or degree certificates, a certified copy of the diploma/degree certificate and all mark sheets must be provided.); (4) provide entrance examination scores as required by

Degrees & Fields of Study

Master of Professional Studies
- Human Resource Management
- Information Assurance Mgt.
- Cyber Security
- Web Development
- Computer Networking
- Public Health Administration
- Political Management
- Social Entrepreneurship
- Instructional Design
- Chemistry
- Music Composition
- Music Performance
- Organizational Leadership
- Criminal Justice

Master of Science
- Communication
- Geosciences
- Psychology
- Education
- Special Education
- Counseling
- Education Administration
- Instructional Technology
- Biology
- Speech-Language Pathology
- Health and Human Performance

Master of Science in Nursing
- Nursing Administration
- Nursing Education
- Family Nurse Practitioner

Education Specialist
- School Psychology
- Education Administration
- Education Leadership

Doctor of Nursing
- Doctorate of Nursing Practice

individual departments; (5) submit letters of recommendation if required; (6) provide a personal letter/ statement, or resume if required by the major department; and (7) international students must provide evidence of their ability to speak English. Such evidence may be in the form of examinations given by recognized examining boards or in such form as the Graduate Dean may approve. (For the specific statement on the language requirement, see Language Requirement for International Students.)

When the above materials have been added to the applicant's file in the Graduate School, the file will then be evaluated by the departmental graduate committee or its delegate. This evaluation is to determine the type of recommended admission to the departmental program or recommended rejection of the application. The department will follow these regulations. Each applicant must: (1) show a minimum grade point average of 2.50 (C plus) on the last 60 hours of undergraduate credit. (Departments may have a higher minimum grade point requirement average, so an applicant must check departmental admission requirements.); (2) have adequate preparation in the area of specialization in the area of proposed study; and (3) hold a bachelor's degree from an accredited college or university. The department will evaluate the material, make a recommendation, and return the file to the Graduate School. When an applicant does not meet the minimum standards of either the Graduate School or the department in any way, the department may consider the matter in relation to other strengths and weaknesses of the applicant and, if the consensus is favorable, recommend to the Graduate Dean that the applicant be admitted conditionally. All conditions of admittance must be removed before the student becomes eligible for candidacy. The Graduate Dean determines the type of admission and admits the applicant or determines if the application should be rejected. All application materials become the property of the Graduate School; they may not be copied or returned to the student.

Undergraduate Background for Graduate Work

All departments require appropriate undergraduate courses as background for either a graduate major or a graduate minor. Some departments may require more courses, others may ask for a definite sequence of undergraduate courses, and a few may require particular courses to be completed before graduate study may begin. Whenever the undergraduate transcript shows an inadequate background, additional appropriate undergraduate or graduate courses will be required.

Program Options

The program of a graduate student will consist of not less than 30 semester hours of graduate credit. If the advisor and the departmental graduate committee determine that the student needs more than the minimum number of hours in order to complete the requirements for the degree, the student's program will be adjusted accordingly. The following plans may be chosen in developing a program: (1) a major of not less than 30 semester hours; (2) a major of not less than 21 semester hours and a minor of not less than nine semester hours; or (3) a major of not less than 21 semester hours and related courses of not less than nine semester hours. (NOTE: All options may not be available in every subject area.)

Program Planning Procedures

The coursework for the master's degree must follow a structured plan approved by the faculty advisor and the Graduate Dean. At a minimum, the student's graduate committee shall consist of the advisor as chair and at least one other faculty member from the major field. If available within a program, a third faculty member from the related or minor field shall serve on this committee. Optionally, a faculty member who has no connection with the graduate student's degree program may be appointed to serve. The committee is responsible for developing the graduate degree program. This committee may also serve as the thesis/field study or catalog committee. The objective of graduate study is not merely to take courses. The purpose is to plan a well-rounded, coherent program of courses and research that will contribute to the student's general goal. The student will follow these program planning procedures: (1) after admission to the Graduate School, the Graduate School will assign an advisor from an approved list of graduate faculty members in consultation with the department chair; (2) this advisor is responsible for directing the student in the graduate program; (3) the student will take tests as prescribed by the advisor and the departmental graduate committee; (4) the advisor will counsel with the student, and together with the departmental graduate committee, will arrange a program. The degree program includes only

the courses required for completion of the degree. The student should become acquainted with the members of his/her graduate committee as quickly as possible and should consult with them, as well as with the advisor, about the graduate program; and (5) the completed program, approved and signed by the major advisor and the Graduate Dean, should be filed in the Graduate School on or before the completion of nine hours of graduate credit.

The Graduate School will process the program of study and an electronic notice will be sent to the graduate student and the graduate advisor with instructions for secure viewing of the unofficial program of study in the university's degree audit portal (Workday). Amendments to the program of study must be communicated to the Graduate School by the student's advisor and approved by the Graduate Dean.

Research Option
Subject to the approval of the major department, the Master's degree student may select one of the following research options when planning a program:

Option A: Master's Degree With Thesis. A minimum of 30 semester hours of graduate credit including a research course and a master's thesis of two to six semester hours.

Option B: Master's Degree With Portfolio. A minimum of 30 semester hours of graduate credit including a research course and a completed and approved portfolio.

Option C: Master's Degree Without Thesis or Portfolio. A minimum of 30 semester hours of graduate credit including a research course in which research methods are taught and in which a research paper, research project, or creative work is assigned and completed.

Admission to Candidacy
Admission to candidacy is an important step in the completion of a degree program. A graduate student may be admitted to candidacy upon the successful completion of at least nine hours of graduate study and upon filing an approved program of study in consultation with the advisor. Application for candidacy should be made before completing no more than 15 hours in order to avoid the possibility of extending the program. The student must be recommended for candidacy by the advisor to the Graduate School. The student is admitted to candidacy by the Graduate Dean and notification is given to the student and advisor electronically through the degree audit portal (Workday). To be admitted to candidacy, the student must have: (1) satisfactorily passed the preliminary or other qualifying examination if either is required by the major department; (2) removed all deficiencies for admission to graduate study; (3) earned a B average (3.00) in all graduate courses that are a part of the degree program to that point; (4) filed in the Graduate School a program of study that has been approved by the Graduate Dean; and (5) completed a total of at least nine graduate program hours.

The student must be admitted to candidacy before being eligible to sign up for or take the comprehensive examination or to file an Intent to Graduate.

Intent to Graduate
The student who plans to graduate at the end of a given semester or summer term must file an Intent to Graduate form and remit associated commencement fee at the time of enrollment or before the filing deadline given in the class schedule. The student must be admitted to candidacy before being eligible to file an Intent to Graduate.

The deadline for filing the Intent to Graduate form in the Graduate School is the second Friday of classes for the fall and spring semesters and the first Friday following enrollment for the summer term.

In the event the student does not graduate after filing an Intent to Graduate, a new Intent to Graduate form must be completed before the deadline for the semester or summer term in which the student plans to complete requirements. The student must be enrolled in a graduate course in the department of the major the semester or summer session of filing or refilling an Intent to Graduate.

There is no special distinction for honors at graduation for graduate students.

899 Thesis
The thesis is the written result of independent study or research on some topic in the major field of study

for which the student may receive from two to six hours of credit. Once enrolled in 899 Thesis, the student must remain continuously enrolled both fall and spring semesters, and, if the department requires it, the summer session, until the thesis is completed. Failure to enroll as required makes the student eligible for dismissal from the degree program. The topic and procedural plan of the thesis must be approved by the student's graduate committee prior to the beginning of the study. The advisor and the departmental graduate committee or its delegate share responsibility for the student's work on the thesis and on the final approved copies.

The approved thesis title and the approved thesis must be submitted to the Graduate School by the deadlines published in the class schedule for the semester or summer term of anticipated graduation.

The original copy of the thesis must be typed on 20-pound, 25 percent rag content thesis bond paper in the form prescribed by the Graduate School and by the departmental graduate committee of the major department. All copies must be reproduced on 20-pound, 25 percent rag content thesis bond paper. Arrangements for reproducing the thesis may be made with the campus printing services, or the reproduction may be done on a copy machine that accommodates the 20-pound, 25 percent rag content thesis bond paper. A short abstract of the thesis must accompany each copy to be placed in the library. The thesis must be typed double-spaced with a one and one-half inch left margin and with one-inch top, bottom and right margins. The page number is inside the margin and is placed in the upper right-hand corner inside the one-inch top and right margins.

It is the responsibility of the graduate student to contact the Graduate School to obtain a copy of the most current thesis guidelines and any other specific requirements for completion of the thesis. The thesis guidelines may also be found on the Graduate School web site at www.fhsu.edu/gradschl.

The minimum number of copies of the thesis required by the Graduate School and the department is four. Some departments, however, may require additional copies for committee members, and the graduate student must meet this requirement. The student's copy or copies are in addition to the minimum number required by the Graduate School and the department. Students must also submit a minimum of five search keywords and a signed clearance form for digital repository and dissemination by the Forsyth Library.

A binding fee for each copy of the thesis must be paid by the student who writes a thesis before the thesis can be accepted by the Graduate School. The current binding fee is $10 per copy for the four required copies and $15 for each additional copy. The binding fee must be paid no later than the time of filing the Intent to Graduate and the payment of the commencement fee. The Graduate School will submit the thesis to the library for binding and filing.

The thesis is due in the Graduate School two weeks before graduation in the fall and spring semesters and a week before graduation in the summer term. The specific date is listed in the class schedule. The thesis must be accepted by the Graduate Dean before the thesis requirement is met and before a grade is given for the thesis. Credit for the thesis is deferred until it is completed and is accepted by the Graduate Dean.

Examinations

Each applicant for a graduate degree must satisfactorily pass a comprehensive examination over the subject fields of the program. The comprehensive examination is not merely a reexamination of materials covered in coursework but is a test of the graduate degree candidate's ability to integrate materials from the graduate major and any related or supporting fields. If a student writes a thesis, the student will sit for a minimum of four hours of comprehensive examinations; if a student does not write a thesis, the student will sit for a minimum of eight hours of comprehensive examinations. Each department will determine the content of the comprehensive examination; the examination may be written and/or oral. Each department will develop comprehensive examination procedures that are congruent with Graduate School policy and publish and disseminate these procedures to all newly admitted graduate students in the first semester of graduate study.

The applicant must be admitted to candidacy before being eligible to take the comprehensive examination. Normally, the comprehensive examination is taken up-

on the completion of all courses in the program of study or during the final semester of enrollment.

A final oral examination over the thesis is required.

Departments may establish certain qualifying examinations to determine if further graduate work is required or if the student is making satisfactory progress in graduate study.

Classification After Graduation
All students who complete a graduate degree at FHSU are reclassified as non-degree graduate students upon program completion unless they are pursuing a second master's or a specialist degree. This classification permits the graduate student to continue to take courses for graduate credit as needed to meet personal and professional needs. The non-degree graduate student who has a graduate degree from FHSU may be asked to update information on the original application so that all information will be correct.

Non-degree graduate students are required to maintain a 3.00 GPA in graduate courses at all times in order to retain eligibility to receive graduate credit and to remain in good academic standing in the Graduate School. A non-degree graduate student can be dismissed for not maintaining the required 3.00 GPA.

Students who wish to pursue a second Master's or Specialist in Education degree will be required to complete a new application for admission in the new major.

The Master of Fine Arts (MFA) Degree

The Master of Fine Arts degree is the terminal degree in the field of the visual arts. The degree is designed to provide the highest level of competent, professional training in drawing, painting, sculpture, printmaking, ceramics, and design (graphics and photography).

Functions and Purposes
The Master of Fine Arts degree is designed to offer superior students advanced training and opportunities for creativity. Emphasis is placed upon creative work; the program is planned for the prospective professional artist and teacher seeking a teaching position at the college level in the visual arts.

Admission to the Master of Fine Arts Degree Program
Each candidate for the Master of Fine Arts degree must apply to the Graduate School. The applicant must comply with the following regulations of the Department of Art and Design M.F.A. Admissions Committee and must: (1) hold a bachelor's degree with a major in art from an accredited institution and have completed a minimum of 36 semester credit hours in art at the undergraduate level; (2) submit three letters of recommendation from individuals who are or have been associated with the applicant as an artist; (3) submit a statement of purpose concerning motivation in seeking the degree; (4) submit 20 slides of art work for review, including five slides of drawing, five slides of the minor area, and ten slides of the major area.

The M.F.A. Admissions Committee will review all applications and, at its discretion, may require completion of particular courses to remove deficiencies in undergraduate training. Such courses would be requirements in addition to the minimum required for the graduate degree. The M.F.A. Admissions Committee will make a recommendation about admission to the Graduate Dean, who makes the decision regarding admission.

Requirements for Completion of the Master of Fine Arts Degree
Following admission, the student should carefully observe all regulations leading to the completion of the degree. The student must: (1) file an approved program of study with the Graduate School; (2) apply for candidacy; (3) submit an Intent to Graduate form at the time of enrollment for the semester or summer term in which the student intends to exhibit the thesis project and graduate; (4) have a B average (3.00) or above in all coursework completed for

the degree; (5) satisfactorily pass the final written comprehensive examination; (6) secure approval from the student's graduate committee to pursue the final phase of the degree program at the time of the preliminary oral examination; (7) include in the terminal thesis project a formal exhibition and oral examination at the conclusion of the degree program; and (8) comply with all requirements of the Graduate School, Registrar, and Student Fiscal Services.

Admission to the M.F.A. program does not guarantee graduation or that the student will be awarded a degree. Students may be dropped from enrollment or held in attendance beyond the customary two years if their progress does not measure up to the standards of the Department of Art. The student's graduate committee will review the progress of the candidate at the time of the preliminary examination and exercise one of three program options. The graduate committee will recommend: (1) continuation in the program without interruption; (2) a semester of probation with a second review at the end of the period; and (3) termination of enrollment in the program.

Residence
Normally, all course credit toward the Master of Fine Arts degree must be earned in residence at FHSU. Any exception to this requirement must have prior approval of the M.F.A. Admissions Committee and the Graduate Dean. The M.F.A. candidate must spend two semesters in residency.

Thesis Exhibition
The candidate for the Master of Fine Arts degree will present the thesis project in formal exhibition at which time the final oral examination will take place. The Department of Art & Design reserves the privilege of retaining at least one piece of work selected from the candidate's exhibition to become a part of the department's permanent collection.

Once enrolled in 899 Thesis, the student must remain continuously enrolled both fall and spring semesters, and, if the department requires it, the summer session, until the thesis is completed. Failure to enroll as required makes the student eligible for dismissal from the degree program.

The Specialist in Education (Ed.S.) Degree

The Specialist in Education is an advanced graduate degree designed to provide the graduate student a definite and integrated professional program of study beyond the Master of Science degree in Education Administration or Psychology (School). The degree requires advanced study between the master's and the doctorate degrees, both in time and in depth, with identifiable and distinct objectives. The program planning and the supervision of the research project (field study or research problem) is the responsibility of the designated advisor with the counsel of the student's graduate committee.

Functions and Purposes
The Specialist in Education degree program is intended for individuals preparing for positions that demand a higher level of study than the master's degree. The specific objectives of the Specialist in Education program are to help the student: (1) gain depth in an area of specialization; (2) comprehend the interrelations between the area of concentration and related fields; and (3) develop practical competency in the specialty.

Admission to the Specialist in Education Degree Program

Each applicant for the Specialist in Education degree must apply to the Graduate School. The applicant must comply with the requirements of either the Department of Advanced Education Programs or the Department of Psychology, depending upon the major. The requirements include that the applicant: (1) holds a Master's degree in a designated major from an accredited institution; (2) submits two recommendations from the current employer and/or Master's degree advisor; (3) in Education Administration, provide the scores for the GRE or the Miller Analogies Test, and in School Psychology provide the GRE score; (4) provide an educational vita and teaching certificate for the Specialist in Education Administration; and (5) pay the appropriate application fee.

The Specialist Degree Committee in the Department of Advanced Education Programs or in the Department of Psychology approves the application after review of the applicant's file. Action of the committee will be forwarded to the Graduate Dean with a recom-

mendation for approval or denial. The Graduate Dean makes the decision regarding admission.

Once a student is admitted, the department chair of the major appoints an advisor and designates a graduate committee responsible for developing the student's program of study.

Program Option
A student in Education Administration may elect to complete a field study of two to six semester hours or a research problem of two to four semester hours. A student in School Psychology must complete a six-hour field study. Once enrolled in 999 Field Study, the student must remain continuously enrolled both fall and spring semesters, and, if the department requires it, the summer session, until the field study is completed. Failure to enroll as required makes the student eligible for dismissal from the degree program. The research project hours are included in the minimum 30-semester-hour program designed to meet the requirements for the Specialist in Education degree.

Requirements for Completion of the Specialist in Education Degree
Following admission, the student should observe carefully all regulations leading to the completion of the degree program. The student must: (1) complete a minimum of 30 graduate hours on an approved degree program, though additional hours may be required by the graduate committee. NOTE: Courses used on the Master's degree cannot be used to meet the course/hour requirement for the Specialist in Education degree; (2) complete at least 15 hours in a 30-hour program leading to a Specialist in Education degree in courses numbered 900 and above, or complete one-half of all hours at the 900-level if the degree program exceeds the 30-hour minimum; (3) apply for candidacy for the Specialist in Education degree upon satisfactory completion of nine hours of work on the Specialist in Education program; (4) submit an Intent to Graduate form by the deadline for the semester or summer term in which the student intends to graduate; (5) have a B average (3.00) or above in all coursework completed for the program; (6) satisfactorily pass the final written comprehensive examination; (7) secure approval from the student's graduate committee for the final draft of the research project (field study or research problem). The approved title of the field study or the research problem must be filed in the Graduate School. At least four approved and signed copies of the field study must be filed with the Graduate School for binding. One copy of a research problem must be filed with the student's advisor to be retained by the Department of Advanced Education Programs. A binding fee must be paid for each copy of the field study that is bound. A minimum of four copies of the field study is required by the Graduate School; student copies will be in addition to the four required copies. Field study guidelines are available from the Graduate School or the appropriate department; (8) earn all course credit for the Specialist in Education degree through courses taken from Fort Hays State University. Any exception to this residency requirement must have the prior approval of the Graduate Dean; and (9) comply with all requirements of the department, Graduate School, Registrar, and Student Fiscal Services.

Enrollment
Enrollment procedures for the Specialist in Education degree candidate are the same as those for the master's degree candidate as stated in this catalog. Each student should check with the Graduate School before each enrollment to see that all records are complete and current.

Residence
All course credit toward the Specialist in Education degree must be earned through courses taken from Fort Hays State University. No portion of the degree program can be through courses transferred from another university.

Examinations
Each candidate for a Specialist in Education degree must pass a written comprehensive examination over the area of study covered by the program as well as an oral examination over the field study or research problem. The comprehensive examination is not merely a reexamination of materials covered in coursework but is a test of the graduate degree candidate's ability to integrate materials from the graduate major and any related or supporting fields. The written comprehensive examination shall not exceed four hours; the oral examination shall not exceed two hours.

International Graduate Student Admissions

International Graduate Student Admissions
International graduate student applicants must complete the Application for Admission and return it along with all other required supporting documents to: The Graduate School, Fort Hays State University, 600 Park Street, Hays, KS 67601-4099 U.S.A.

Application Fee/Financial Statement
The Graduate School requires that a non-refundable application processing fee of $50.00 (U.S.) be submitted with the application for admission for all non-U.S. citizens. This fee must be paid at the time of application and in the form of a bank draft drawn on a domestic bank and payable in U.S. dollars or by credit card. No application will be processed or considered complete until this fee is paid. International students wanting to attend classes at FHSU must also present evidence of financial resources sufficient to provide for at least one full year of educational and living expenses. The financial statement must be supported by signed statements, or imprinted with official seals, from the financial sponsor, along with verification of resources from a bank, scholarship agency, etc.

English Language Requirements
The following are the various acceptable means of verifying English proficiency for purposes of admission of international students to the Graduate School: (1) verification that the applicant's native language is English, as shown to a high degree of probability by citizenship in an English-speaking country such as United Kingdom, Australia, New Zealand, or English-speaking provinces in Canada; (2) evidence of a baccalaureate degree, or higher, from a regionally accredited U.S. institution of higher education or foreign institution in which the language of instruction is English; (3) evidence of a score of 213 on the computer-based exam or 79 on the Internet-based version of the Test of English as a Foreign Language (TOEFL); (4) minimum overall band score of 6.5 on the International English Language Testing System (IELTS); (5) minimum score of 5 on the International Test of English Proficiency (iTEP) Academic Plus examination; (6) minimum score of 83 on the Michigan English Language Assessment Battery (MELAB); (7) minimum score of 550 on the Kaplan Test; (8) a level 9 score on The Language Company examination; or (9) documentation showing that the student has completed other recognized and approved intensive English language programs. Examples of documentation are grade reports, a letter from the intensive English director, and/or copies of a program completion certificate. All English competency test scores are valid for a maximum of two years following the test date.
Conditional admission to the Graduate School based upon successful completion of the FHSU intensive ESL institute may be granted if an applicant submits a Test of English for International Communication (TOEIC) examination score of 700.

After having been admitted to the Graduate School, all international graduate students will be screened for satisfactory English language abilities prior to enrollment in FHSU courses. In addition, faculty may identify students that in their opinion need developmental English courses. The university has the authority to place students in the appropriate courses, which can include developmental English.

Other Financial Assistance
A variety of programs are available to students who require financial assistance to pursue an advanced degree. Applications are available from the Office of Student Financial Assistance.

Graduate School Policies and Procedures

Research Involving Human or Animal Subjects
Any research involving human or animal subjects in any way must have prior approval of the Institutional Review Board (IRB) for human subjects and the Institutional Animal Care and Use Committee (IACUC) for animals.

Transfer of Credit
Master's degree candidates must earn a minimum of 15 resident credit hours at FHSU. However, individual departments may require more hours than the minimum to be earned at FHSU, thus reducing the number of hours that may be transferred. The graduate student must contact the department of the major about departmental requirements relating to transfer of credit.

Candidates may request that graduate credit earned in other institutions of recognized standing be accepted for degree requirements subject to the departmental limits on transfer credit and approval by the Graduate Dean. Under no circumstances can a course be transferred onto the graduate program until an official transcript for the course(s) has been received in the Graduate School. In addition, the course must indicate an acceptable grade of A, B, or C. Students who request to transfer grades of "C" should be aware of potential Graduate School grade-point average calculation concerns and may be advised to reconsider the request depending upon the GPA of the courses on the program of study. Transcripts for courses which indicate pass/fail credit, unacceptable grades, or incomplete grades will not be accepted for transfer credit. Only graduate courses used on a degree program will be added to the FHSU transcript; the degree courses are transferred the semester of graduation.

No course may be transferred for which validation will be required unless approved by the Graduate Dean in consultation with the department chair (e.g. the department indicates willingness and capacity to validate the content of the transfer course in a timely manner).

All course credit toward the Master of Fine Arts and the Specialist in Education degrees must be earned through courses taken from Fort Hays State University.

FHSU Online, Workshop, and Correspondence Credit

A candidate may use certain graduate distributed education (internet, videotape, etc.) courses and workshop credit for meeting master's degree requirements under the following conditions: (1) the work is approved by the major department; (2) the work is approved by the Graduate Dean; (3) the work is an integral part of a program planned by the candidate and the advisor and is listed on a program of study approved by the Graduate Dean; (4) workshop credit does not exceed six semester hours; and (5) the distributed education courses were taught by an approved member of the graduate faculty of the institution offering the course for graduate credit.

Credit toward a graduate program may not be earned through correspondence courses.

Credentialing

Institutional partnership agreements that credential Fort Hays State University courses (i.e. courses offered by an unaccredited third party taught by faculty members hired by the third party under the aegis of accredited FHSU course numbers) are permissible subject to the following standardized processes for review of faculty members and courses: (1) departmental and College Dean approval shall be obtained prior to signing any agreement; (2) proposed temporary graduate faculty shall be approved by the department chair, College Dean, and Graduate Dean in accordance with published Graduate School standards for appointment; and (3) new graduate course proposals shall be approved by the appropriate reviewing entities (e.g. 600-level courses require approval from Faculty Senate and Graduate Council, 800+ level courses require approval from the Graduate Council). Institutional agreements calling for the use of existing variable subtitle graduate courses (e.g. topics, workshops, seminars, etc.) shall be approved for a period not to exceed three semesters. Departments interested in the development of long-term credentialing partnerships are encouraged to begin the new course approval process early in the credentialing agreement. The institution shall include language in the partnership agreement allowing for cancellation by either party if internal approvals are not obtained.

Fees

The Graduate School requires that a non-refundable application processing fee of $35 be submitted with the application for admission for all domestic students. A non-refundable application processing fee of $50 is required for international students. No application will be processed or considered complete until this fee is paid.

There are five situations when an application fee will be waived: (1) if a student has previously attended FHSU and paid an application fee for the same program; (2) if a student has paid an application fee within the last 12 months to the same program (e.g. the application was rejected or disbanded); (3) if a student is changing their concentration within a program; (4) if a student is a returning non-degree student within 5 years of paying the application fee; and (5) if a non-degree student applies for a degree-seeking program and has paid an application fee within the last 12 months.

Graduate students pay graduate fees for graduate classes and undergraduate fees for undergraduate classes. The fee schedule for enrollment, thesis binding, and commencement is subject to change; the student should consult the class schedule for the current appli-

cable fee rate.
The required binding fee for thesis and field studies is currently $10 per copy for each required copy and $15 for every additional copy. A minimum of four copies of the thesis or field study is required for binding; the student's personal copy(s) is in addition to the minimum of four copies required by the Graduate School and the department. If the department requires copies for each committee member, these will be in addition to the minimum requirement; the binding fee for each will be paid by the graduate student.

The required commencement fee for a graduate degree is $50. The binding fee and the commencement fee are to be paid prior to or at the time of filing the Intent to Graduate. NOTE: Any required fee is subject to change.

Non-Degree Students
Students who wish to be admitted to graduate status without designating a degree objective and without securing acceptance as a major in a department that offers graduate degree programs shall be designated as non-degree graduate students on the application for admission. Applicants for non-degree graduate status must provide evidence of a Bachelor's degree from an accredited higher education institution. Non-degree graduate students may study in graduate classes without following degree programs, but there is the possibility that credit for such classes may not be accepted toward a degree at a later date. Students who wish to pursue a master's or Specialist in Education degree will be required to complete a new application for admission.

Non-degree graduate students are required to maintain a 3.00 GPA in graduate courses at all times in order to retain eligibility to receive graduate credit and to remain in good academic standing in the Graduate School. A non-degree graduate student can be dismissed for not maintaining the required 3.00 GPA.

Post-Baccalaureate Students
Those students who have completed a baccalaureate degree but who have not applied and been admitted to the Graduate School shall not receive graduate credit for courses previously taken. These post-baccalaureate students shall enroll as undergraduates and must secure undergraduate class enrollment permits. Under no circumstances can undergraduate credit earned as a post-baccalaureate student be counted as graduate credit at a later date. Post-baccalaureate students are not permitted to enroll in 800-level or higher courses as such courses are available only for graduate credit for admitted graduate students.

Seniors and Graduate Study
Seniors in their final semester, or summer term, at FHSU who have less than a full program of undergraduate courses for completing the bachelor's degree requirements may be admitted to graduate standing in a maximum of six graduate credit hours to complete a total semester's course load not to exceed 16 hours (not to exceed 12 hours during a summer term). This provision applies to FHSU seniors for one semester or summer term only for a total of six graduate credit hours with no further enrollments in graduate courses permitted until the baccalaureate degree is completed. There is no exception to this policy. Seniors from other educational institutions may not take graduate level courses under this policy.

The FHSU senior student who is eligible must apply and be admitted to the Graduate School prior to enrollment. Admission could be on a non-degree or degree-seeking basis. Before enrollment in any graduate course, the undergraduate advisor must request, in writing, permission from the Graduate Dean for the FHSU senior student to enroll in a course for graduate credit. The FHSU senior student is not permitted to enroll until written permission is given by the Graduate Dean.

Enrollment
Each student should check at the Graduate School before each enrollment to see that records are complete, correct, and up to date. Any questions about grades, programs, requirements, or graduation may be answered at that time.

Any graduate student not enrolled for three years will be required to update the information on the original application for admission.

Graduate Student Responsibility
Admission to and continuation in graduate study presupposes a high degree of initiative on the part of the student. It is the student's responsibility to carry on intellectual study at a high level and to initiate and follow necessary procedures to attain the degree. In no case will a requirement be waived or an exception granted because a student pleads ignorance of the requirements and policies of the Graduate School stated in this catalog, in departmental guidelines, and/or elsewhere (e.g., website).

It is the student's responsibility to: (1) follow all policies of the department, Graduate School, and university; (2) meet all requirements for the graduate degree; (3) meet all deadlines; (4) understand and follow all policies and procedures concerning academic honesty; (5) consult with the assigned advisor on all matters pertaining to the degree program or changes to the degree program; (6) promptly answer any written notices from the advisor, faculty, department, dean, or other university officers; (7) enroll in only those courses for which the stated prerequisites have been met; (8) follow all departmental, Graduate School, and university policies on human subject and animal research; and (9) be familiar with the information in the department, Graduate School, and university publications, including the university catalog.

Any exception to regulations, policies, or procedures contained in the Graduate School section of the university catalog or to Graduate School policies and procedures as stated elsewhere requires the written and signed approval of the Graduate Dean.

While the personnel of the Graduate School and the student's advisor will endeavor to aid in every way possible, the responsibility for any error in meeting the requirements of the Graduate School, as stated in the university catalog or elsewhere, and the requirements of the department of the major, rests with the student.

Academic Honesty

Membership in the FHSU learning community imposes upon the student a variety of commitments, obligations and responsibilities. It is the policy of FHSU to impose sanctions on students who misrepresent their academic work. These sanctions will be selected by appropriate classroom instructors or other designated persons consistent with the seriousness of the violation and related considerations.

Examples of academic dishonesty include but are not limited to: (1) Plagiarism – taking someone else's intellectual work and presenting it as one's own (which covers published and unpublished sources). Using another's term paper as one's own; handing in a paper purchased from an individual or agency; submitting papers from living group, club or organization files; or using another's computer program or document are all examples of plagiarism. Standards of attribution and acknowledgment of literary indebtedness are set by each discipline. Faculty is encouraged to include disciplinary or class-specific definitions in course syllabi. Students should consult with their department or with recognized handbooks in their field if in doubt. (2) Cheating is unacceptable in any form. Examples include consultation of books, library materials or notes during tests without the instructor's permission; use of crib sheets or hidden notes; intentional observation of another student's test; receipt of a copy of an exam or questions or answers from an exam to be given or in progress; substitution of another person for the student on an exam or another graded activity; deliberate falsification of lab results; submission of falsified data; alteration of exams or other academic exercises; and collaboration on projects where collaboration is forbidden. (3) Falsification, forgery or alteration of any documents pertaining to assignments and examinations. (4) Students who (cooperate or in other ways promote) participate in promoting cheating or plagiarism by others (or who take credit for the work of others) will also be in violation of this policy.

Students participating in any violation of this policy must accept the consequences of their actions. Classroom instructors and/or university review/appeals committees and administrators will assess the sanctions for violation of this policy. The seriousness of the violation will dictate the severity of the sanction imposed. Academic sanctions may include but not be limited to any of the following: (a) verbal or written warning; (b) lowering of grade for assignment/activity; (c) lowering of term grade; (d) failure of class assignment.

Administrative sanctions may include but not be limited to either of the following: (a) suspension from the University; (b) dismissal from the University.

Students are guaranteed due process and may initiate an academic appeal according to the Graduate School's published Academic Appeals policy and procedures.

Appeal of Academic Evaluation

Students shall have protection through orderly procedures against arbitrary or capricious academic evaluation. In matters relating to evaluation of academic performance, an informal as well as a formal procedure exists. The student should first consult with the professor(s) involved. If the issue is not resolved at that level, the student may consult with the chair of the department who will, if necessary, inform the student of the Graduate School's appeals policy and procedures.

Dismissal
The Graduate Dean may terminate a student's graduate status at any time because of unsatisfactory academic performance.

Time Limits
All graduate courses for a Master's or Specialist in Education degree program must be completed within six years. The time begins with the beginning of the semester or summer term that the first course is taken on the degree program. Outdated credit will not be applied toward a degree. Validating examinations for outdated credit may be given upon approval of the instructor of the course to be validated and the Graduate Dean. Action for the validating examination must be initiated by the department through a petition to the Graduate Dean. Credit hours that are more than two years out of date will not be considered, even if such credit was validated after six years. No course may be transferred for which validation will be required because of the six-year time limit.

Course Load
A maximum course load for graduate students is 15 hours for the fall and spring semesters and nine hours for the summer term. Any change from this rule must have approval by the major advisor and the Graduate Dean.

A student with a graduate assistantship must carry at least six semester hours of graduate credit that is on the approved graduate degree program throughout each semester of the assistantship and at least three semester hours of graduate credit that is on the approved graduate degree program throughout the summer term of the assistantship.
A graduate student must be enrolled and remain enrolled in nine graduate hours each semester in order to be classified as full time during the fall and spring semesters.

Grades for Graduate Study
Graduate students at both the Master's and Specialist in Education degree levels are expected to do uniformly high-quality work. Only grades of A, B, and C are acceptable on a degree program. No course taken for Pass/No Credit shall be used on a graduate degree program. A graduate student must attain at least an average grade of B (3.00) in all graduate coursework on the degree program for graduation. Some departments limit the number of hours of C grades; the student should contact the department for any departmental limits.

Removing an Incomplete
Arrangements for completing a graduate course for which an incomplete (I) is given should be made by the student as soon as possible. All incomplete work should be completed within a year after the I is given.

If the graduate work is not completed within a one-year time limit, the I will remain on the record; graduate credit can be given only when the graduate student re-enrolls in the graduate course and satisfactorily completes the graduate course.

This one-year time limit rule shall not apply to students admitted to the Graduate School for graduate credit in courses based on individual study such as thesis, problems, readings, research, practicum, and independent study.

The one-year time limit rule to complete a graduate course will apply to all other courses, including workshops and seminars, in which coursework taken for graduate credit is normally completed in the process of the regular semester or summer term.

Entrance Examinations
No general entrance examination is required by the Graduate School. However, individual departments may require certain qualifying examinations or other evidence of admissibility before admission, before enrollment, or at some time during the student's program. Among the examinations that a department may require are the Graduate Record Examination (GRE), the Miller Analogies Test (MAT), the Graduate Management Admission Test (GMAT), and the Test of English as a Foreign Language (TOEFL) for international students.

Exchange Agreement
Graduate schools in Kansas universities recognize the need to cooperate in providing the opportunity for graduate students to receive the best advanced education possible in the state. They also have the responsibility to assure that the facilities available within the state are used efficiently and made available to qualified students regardless of the school in which they are candidates for degrees. To these ends, State of Kansas institutions of higher education under the Board of Regents provide a mechanism by which graduate students may take work at a state institution other than the one in which they are enrolled.

Students admitted to the Graduate School in any one of the state universities may, under prescribed circum-

stances, take graduate work at another of the schools. A student participating in this exchange program will be accepted into the host school without a complete formal application, with the student's status at the home school being recognized by the Graduate School at the host university. It is assumed that a participating student will remain a degree candidate at the home school unless the student wants to make formal application for admission and be accepted by the host school. The student would then be subject to the rules and regulations of the host school. Interested students should contact the Graduate Dean for details and a statement of current academic standing.

Course Levels for Graduate Study

600-699
Undergraduate, upper-division and Graduate I students. Graduate students enrolled in 600-699 level course will be expected to produce a greater quantity and quality of work that clearly demonstrates their mastery of the subject matter which surpasses that of undergraduates enrolled in the same course.

800-899
Graduate I students; graduate credit only.

900-999
Graduate II students; graduate credit only.

Graduate I
Courses designed primarily for master's students who have accumulated less than 31 credit hours of graduate work.

Graduate II
Courses designed primarily for specialist's students who have completed more than 30 credit hours of graduate work.

Change of Major
A graduate student wishing to change the major program must apply for admission to the new major through the Graduate School and pay the $35 (or $50) application fee. If admitted into a new major, the department of the new major will determine if any course or courses taken in the previous major will apply toward the new major. The student must meet all admission requirements of the new major and the Graduate School. A student can be admitted in only one graduate degree program at a time.

Change of Concentration in the Major
If a graduate student wishes to change the concentration within the major in the department and has already been admitted to the degree program, a new application form and personal statement must be completed so that the department may approve the new concentration. If you are admitted to the Master of Liberal Studies program and wish to change your concentration area, you will need to complete a new personal statement but will NOT need to reapply.

Teacher Certification
Prospective graduate students should understand that the material in this catalog that relates to graduate study and to the Graduate School applies only to requirements for graduate degrees and has no direct relation to certification, licensure, or certificates for school teachers or other school personnel. The Graduate School gives no assurance that a program for a graduate degree and a program for certification, recertification, or licensure will coincide. Graduate students and prospective graduate students who are interested in certification, recertification, or licensure should confer with the Dean of the College of Education at the beginning of a degree program or at the time of application for admission.

FHSU Online

The FHSU Online is the administrative unit charged with coordinating all distance learning and off-campus programs for Fort Hays State University. Distance learning (or virtual learning) is accomplished when students and faculty are remote or "at a distance" and connected through interactive technologies, such as interactive television, the Internet, DVD, or other multimedia. Degree, non-degree, and certificate programs are offered through the FHSU Online for off-campus students who prefer the convenience of technology-delivered courses. All colleges at Fort Hays State University--the Colleges of Arts, Humanities, and Social Sciences, Business and Entrepreneurship, Education, Health and Behavioral Sciences, Science, Technology, and Mathematics, and the Graduate School--cooperate with the FHSU Online to extend the institution's academic instructional resources to the people of western Kansas and beyond, including out-of-state, out-of-country, and military personnel. The FHSU Online offers both asynchronous (anytime, anyplace) learning and synchronous (same time, different locations) learning. FHSU utilizes the following types of virtual learning delivery methods.

Asynchronous Delivery

On-Line Courses. Students who have access to a personal computer may receive instruction over the World Wide Web or the Internet and communicate with their professors via e-mail.

Telecourses. Students work independently using DVDs integrated with textbooks, study guides, and a course syllabus. Telecourses are combined with on-line components known as teleweb courses. Course materials are available through the University's virtual bookstore.

CD-ROM and DVD. Students who have access to CD-ROM drives in their computers may take these independent study courses containing audio, video, graphics and text. Many of these courses are linked to e-mail and the Internet.

Synchronous Delivery

Internet Protocol Television (IPTV). IPTV combines full-motion visual and voice technologies to closely resemble face-to-face classroom instruction. IPTV expands the number and variety of off-campus courses in addition to easing time and distance barriers which potentially impact students' ability to take courses leading to degrees. Most receiving locations for IPTV are located on community college campuses in Western Kansas.

Multimedia Courses

These courses use a variety of synchronous and asynchronous delivery methods to emphasize interaction and collaborative learning between faculty and students. These courses require that a student have computer access, Internet access, an e-mail address, and a Web browser. They may use any of the following modes of delivery: audiotapes, DVDs, CD-ROM, computer conferencing, IPTV, teleconferences, Internet, listservs, e-mail, and printed materials.

Independent Study

Independent study is a self-directed, self-paced course of instruction, e.g., practicum, student teaching, field trips, and other specifically arranged instruction.

Off-Campus Outreach Services

To facilitate the extension of academic credit courses, degree opportunities, and related student support services, a Regional Director of Off-Campus Programs is located on the campus of Dodge City Community College, and in the Higher Education Opportunity Center in Garden City, Kansas. The office staff is available to coordinate the delivery of instruction, promote programs offered by FHSU, and serve the off-campus student body in Dodge City, Garden City, Liberal, Colby, Great Bend and Pratt.

Non-Credit Activity

The FHSU Online serves as the coordinating office for non-credit professional development, certification, and public service activities. These activities are offered in conjunction with one of FHSU's academic units.

Pre-Professional Curricula

Fort Hays State University offers pre-professional study in preparation for entry into professional programs at other colleges and universities. Four-year, pre-professional programs are available in physical therapy, occupational therapy, veterinary, medicine and dentistry. All of these programs meet the requirements for further study at the graduate level.

Pre-Medical and Other Health Professions

Pre-Medicine

Two faculty advisors manage the pre-medical program at Fort Hays State University. Students seeking acceptance into medical school should work with these faculty advisors to do the following while at FHSU: 1) pursue a Bachelor's degree in one of the liberal arts or sciences; 2) successfully complete the required pre-medical courses, primarily in the fields of biology, chemistry, mathematics, physics, and the social sciences; and 3) take the Medical College Admissions Test (MCAT). These faculty advisors can also provide guidance with regard to the application services for medical school admissions, the interview process at the medical schools, and the wide variety of programs offered by medical schools.

Pre-Chiropractic, Pre-Osteopathy and Pre-Podiatry

Students interested in these three pre-professional programs generally follow the course outlined in the pre-medicine program above. However, all students wishing to study a pre-chiropractic, pre-osteopathy or pre-podiatry academic program should consult one of the pre-medicine advisors.

Pre-Dentistry

Fort Hays State University students seeking admission to dental school should contact the Pre-Dental advisors to get the latest information regarding dental schools and their pre-requisites. Pre-dental students should pursue a regular Bachelor's degree in one of the liberal arts or sciences, excel in the required Pre-Dental course work (mainly in biology, chemistry, and physics), and take the Dental Admissions Test (DAT). The Pre-Dental advisors can also offer guidance to the application service for dental schools (AADSAS), changes in dental school requirements and curriculum, and the interview process for prospective dental students.

Pre-Optometry

The pre-optometry advisors at Fort Hays State University offer guidance to students seeking admission to an optometry school regardless of the student's major. The successful applicant to optometry school will have: 1) completed a Bachelors' degree in one of the liberal arts or sciences; 2) mastered the basic pre-requisite course work, mainly in biology, chemistry, mathematics, and physics; and 3) done well on the Optometry Admissions Test (OAT). Guidance regarding the application service for optometry school admission (OptomCAS), interviewing as part of the admissions process, and the curricula that optometry schools offer to their students, will also be provided by the Pre-Optometry advisors.

Pre-Pharmacy

Pre-pharmacy at Fort Hays State University is a two-year program advised by several faculty members. The required courses for pre-pharmacy - mainly in the fields of biology, chemistry, mathematics, and physics - and the Pharmacy College Admissions Test (PCAT), should be completed by students seeking admission into pharmacy school. The pre-pharmacy advisors can also assist students in completing the pharmacy school application through PharmCAS, preparing for interviews at the pharmacy schools, and extra-curricular activities that can help prospective pharmacy students achieve success.

Bachelor of Science: Biology (Pre-Medicine)

University Degree Requirements

A total of 55 hours from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Biology Core

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 325/325L	Genetics / Lab	4
CHEM 122/122L	University Chemistry II / Lab	5

Biology Electives

Choose 8 hours from the following...

Code	Course Title	Hours
BIOL 250	Botany	3
BIOL 250L	Botany Laboratory	1
BIOL 260	Zoology	3
BIOL 260L	Zoology Laboratory	1
BIOL 490	General Microbiology	3
BIOL 490L	General Microbiology Laboratory	2

Choose 6 hours from the following...

Code	Course Title	Hours
BIOL 607	Topics: Virology Laboratory	3
BIOL 642	Parasitology	3
BIOL 642L	Parasitology Laboratory	1
BIOL 644	Embryology	3
BIOL 644L	Embryology Laboratory	1
BIOL 648	Immunology	3
BIOL 675	Microbiology of Pathogens	3

Choose 15 hours from the following...

Code	Course Title	Hours
BIOL 330	Plant Anatomy	3
BIOL 330L	Plant Anatomy Laboratory	1
BIOL 345	Human Anatomy	2
BIOL 345L	Human Anatomy Laboratory	2
BIOL 346	Human Physiology	3
BIOL 346L	Human Physiology Laboratory	1
BIOL 395	Ecology	2
BIOL 395L	Ecology Laboratory	1
BIOL 420	Evolution	3
BIOL 435	Cellular Biology	3
BIOL 435L	Cellular Biology Laboratory	1
BIOL 450	Comparative Anatomy	3
BIOL 450L	Comparative Anatomy	1
BIOL 495	Plant Physiology	3
BIOL 495L	Plant Physiology Laboratory	1
BIOL 620	Biostatistics	3
BIOL 620L	Biostatistics Laboratory	1

Cognates

A total of 30 credits from...

Code	Course Title	Hours
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
CHEM 360/360L	Essentials of Biochemistry / Lab	5
PHYS 111/111L	Physics I / Lab	5
PHYS 112/112L	Physics II / Lab	5

Totals

A total of 124 credits from...

University Requirements	55
Department Require-ments	69
Total	**124**

Bachelor of Science: Biology (Pre-Physical Therapy)

University Degree Requirements

A total of 55 hours from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Biology Core

A total of 13 hours from...

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 325/325L	Genetics / Lab	4
CHEM 122/122L	University Chemistry II / Lab	5

Pre-Physical Therapy Core

A total of 15 hours from...

Code	Course Title	Hours
BIOL 345	Human Anatomy	2
BIOL 345L	Human Anatomy Laboratory	2
BIOL 346	Human Physiology	3
BIOL 346L	Human Physiology Laboratory	1
BIOL 435	Cellular Biology	3
BIOL 435L	Cellular Biology Laboratory	1
BIOL 620	Biostatistics	3

Biology Electives

Choose 8 hours from...

Code	Course Title	Hours
BIOL 250	Botany	3
BIOL 250L	Botany Laboratory	1
BIOL 260	Zoology	3
BIOL 260L	Zoology Laboratory	1
BIOL 490	General Microbiology	3
BIOL 490L	General Microbiology Laboratory	2

Partner Institution Requirements

Choose 5 hours from the following...

Code	Course Title	Hours
BIOL 240	Microbiology for Allied Health	3
BIOL 240L	Microbiology Laboratory	2
BIOL 245	Medical Terminology	2
HHP 612	Physiology of Aging	3

Cognates

A total of 24 credits from...

Code	Course Title	Hours
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 304/304L	Essentials of Organic Chemistry/Lab	5
HHP 220	Responding to Emergencies	3
HHP 390	Physiology of Exercise	3
MATH 122	Plan Trigonometry	3
PHYS 112/112L	Physics II / Lab	5

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Bachelor of Science: Biology (Pre-Veterinary)

University Degree Requirements

A total of 55 hours from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Biology Core

A total of 13 hours from...

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 325/325L	Genetics / Lab	4
CHEM 122/122L	University Chemistry II / Lab	5

Cognates

A total of 20 credits from...

Code	Course Title	Hours
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 304/304L	Essentials of Organic Chemistry/Lab	5
CHEM 360/360L	Essentials of Biochemistry / Lab	5
PHYS 112/112L	Physics II / Lab	5

Pre-Veterinary Core

A total of 23 hours from...

Code	Course Title	Hours
BIOL 260	Zoology	3
BIOL 260L	Zoology Laboratory	1
BIOL 490	General Microbiology	3
BIOL 490L	General Microbiology Laboratory	2
	Choose 14 hours from the following:	
BIOL 330	Plant Anatomy	3
BIOL 330L	Plant Anatomy Laboratory	1
BIOL 345	Human Anatomy	2
BIOL 345L	Human Anatomy Laboratory	2
BIOL 346	Human Physiology	3
BIOL 346L	Human Physiology Laboratory	1
BIOL 395	Ecology	3
BIOL 420	Evolution	3
BIOL 435	Cellular Biology	3
BIOL 435L	Cellular Biology Laboratory	1
BIOL 450	Comparative Anatomy	3
BIOL 450L	Comparative Anatomy Laboratory	1
BIOL 495	Plant Physiology	3
BIOL 495L	Plant Physiology Laboratory	1
BIOL 620	Biostatistics	3
BIOL 620L	Biostatistics Laboratory	1

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Other Pre-Professional Curricula

Pre-Law

Pre-law at Fort Hays State University is a reputable four-year program available through the Department of Political Science. Students seeking admission to law schools should pursue a Bachelor of Arts in Political Science, and concentrate their elective courses on a variety of pre-law subjects. Membership with the Pre-Law Society, which provides networking opportunities with other students, attorneys, judges and universities, is also recommended to students. Law schools prefer exceptional scores on the Law School Admission Test (LSAT). The pre-law advisor can offer guidance to form the best academic experience and ensure access to top law schools across the country.

Pre-Theology

The four-year pre-theology program at Fort Hays State University has been crafted to meet the suggestions of the American Association of Theological Schools. Advisor Dr. Carl Miller is available to help students decide which Bachelor of Arts degree to pursue-philosophy, English, or history-and how to tailor their academic experiences to best result in a successful career. Pre-theological students should consult denominational authorities for specific information about acceptable theological schools and their requirements.

Pre-Engineering

Those planning to receive a pre-engineering degree from Fort Hays State University should consult the program advisors, Dr. Gavin Buffington. Pre-engineering students have two options: the 2+2 Program or the 3+2 Program. 2+2 Program students major exclusively in Engineering, and are exposed to basic pre-engineering coursework during the first two years of their education. Following course completion, they can continue in their FHSU studies with careful consideration of other universities' program requirements or transfer to the engineering school of their choice. Students enrolled in the 3+2 Program will obtain additional credits for a B.S. in physics to accompany their pre-engineering program credits. After completion of this program at FHSU, they can transfer to the engineering school of their choice. Although this program requires three years of residence at FHSU, students will attain a broad educational background designed to further their careers.

Pre-Political Management

Fort Hays State University's pre-political management program trains students in political campaigning practice and theory in a hands-on environment. FHSU students should consult with program advisor Dr. Larry Gould to ensure success. Students who choose this degree will focus their studies to receive a Bachelor of Arts in Political Science with a concentration in Political Management. They will be exposed to course topics such as campaign management, fundraising, media and politics and others. The curriculum will ensure success in careers such as political reporter in news networks, political firm consultants, and politic experts for campaign parties and interest groups.

Pre-Public Administration

Those seeking a degree in pre-public administration will work with advisor Dr. Jian Sun to create a coursework tailored to their needs. Those who complete the program will receive a Bachelor of Arts in Political Science with a concentration in Public Administration. Those with interest in public service positions and governmental jobs at the local, state and federal level should find success in this degree.

Pre-Physical Therapy (Health and Human Performance)

The B.S. in Health and Human Performance, with a concentration in Sport and Exercise Therapy concentration, is designed to assist students in their preparation for entrance application for professional programs in physical therapy. Individuals wishing to enter a professional health program should pursue an undergraduate major in the discipline of their choice, but should take whatever additional courses may be necessary as prerequisites for admission to the specific professional school of interest. Students are encouraged to locate the specific admissions requirement for the school of interest and work with their program advisor to ensure that all admissions requirements are met prior to graduation from Fort Hays State University.

English as a Second Language (ESL) Program

The English as a Second Language (ESL) Center at Fort Hays State University is different from other learning experiences. It is designed to provide maximum listening, speaking, reading, and writing skills in a loving and supportive learning environment. International students from around the globe attend FHSU, and the ESL Center assists them in becoming fluent in spoken and written English, passing English competency exams, and preparing them for undergraduate or graduate study at FHSU.

Students are driven to build strong language skills and are given the opportunity to practice grammar and vocabulary skills through conversation in dynamic university classrooms as well as the environment overall. Students are also given individualized tutoring sessions and numerous opportunities to participate in group discussions with an accent-reduction organization. In addition to academic experiences, the diverse campus and town are a perfect combination that allows for excellent multicultural experiences in a friendly and safe community.

In addition to all this information, the ESL Center personnel are caring, patient, and helpful in all situations; in fact, the program simply recognizes themselves as an extended family rather than team of teachers. The organizational summary for the ESL Program indicates course numbers and sequence corresponding to the Common European Framework of Reference for Languages: Learning, Teaching, and Assessment (CEFR).

The ESL Program policies can be found at the Office of International Student Services in the basement of the Forsyth Library.

Language Requirements

All international students must meet minimum English proficiency requirements before beginning coursework at Fort Hays State University. For persons pursuing undergraduate admission, please see the below scores. If you have already satisfied this requirement and can provide an official copy of your TOEFL, IELTS, Michigan, MELAB, Kaplan, or Language Company score, this page does not apply to you and you need not submit the ESL agreement with your other application materials.

However, if you have not taken the TOEFL, IELTS, Michigan, MELAB, Kaplan, or Language Company test, or if your score falls below the minimum requirement, your application to FHSU will not be complete until you have submitted the ESL Agreement.

ESL Session Information

The ESL Center is an intensive language program that functions in eight-week terms that go all year round. This means that during a full year (January-December), there are five total terms. Also the program offers four levels, but the levels for which there is the most demand will be the levels we open. For example, the center typically runs levels A2, B1, and B2 regularly.

Each level consists of reading, writing, conversation, and main courses. Each level offers six (6) credit hours total, so if two terms are taken (August-October and October-December) during a standard academic semester, then the total number of enrollment hours will be twelve (12). International students must enroll in a minimum of twelve credit hours in order to meet immigration requirements.

Schedule of Sessions:

1st 8 weeks: August-October
2nd 8 weeks: October-December
3rd 8 weeks: January-March
4th 8 weeks: March-May

Levels of Instruction:

A1: Elementary, A2: Pre-Intermediate, B1: Intermediate, B2: Upper-Intermediate, 5th 8 weeks: June-July

College of Arts, Humanities, and Social Sciences

DEPARTMENTS

Art and Design
Communication Studies
Criminal Justice
English
History
Interdisciplinary Studies
Leadership Studies
Modern Languages
Music and Theatre
Philosophy
Political Science
Sociology

DEPARTMENT LEADERSHIP

Daniel Blankenship	Interim Dean
Brad Will	Assistant Dean
Karrie Simpson-Voth	Art and Design, Chair
Scott Robson	Communication Studies, Chair
Tamara Lynn	Criminal Justice, Chair
Eric Leuschner	English, Chair
Paul Nienkamp	History, Chair
Brett Whitaker	Leadership Studies, Chair
Elizabeth Langley	Modern Languages, Interim Chair
Ben Cline	Music and Theatre, Chair
Carl Miller	Philosophy, Chair
Larry Gould	Political Science, Chair
Brett Zollinger	Sociology, Chair

For updated information, see our website at **www.fhsu.edu/coas**.

Science, language, fine arts, politics, and music. The College of Arts, Humanities & Social Science offers these and more to Fort Hays State University students. Regardless of where your passion lies, the College of Arts, Humanities & Social Science will have something you can enjoy and excel in.

Higher education is a controlled and concentrated preparation for life, and a liberal arts education is a preparation for living that life to the fullest. The College of Arts & Sciences strives to develop skills and abilities to work with others and develop the students for a successful life after college.

The College of Arts, Humanities & Social Science values, appreciates, and enjoys the wonder of human culture and the natural world. Through its forward-thinking curriculum and hard-working faculty, the College of Arts, Humanities & Social Science can prepare you for whatever career you choose.

Mission Statement
The mission of the College of Arts, Humanities, and Social Sciences is to prepare the responsible student for citizenship, personal growth, and the 21st century workplace by striving to provide value-centered liberal arts education anytime, anyplace at an affordable cost.

In the accomplishment of this mission, the college takes special pride in helping Fort Hays State University serve as the door of opportunity for generations of rural and urban citizens who might otherwise never discover the intellectual challenges and benefits of a liberal arts education because of the cost of American elite, private colleges. The word liberal is derived from the Latin root "libertas" meaning "freedom." The combining of the knowledge, skills, and perspective of the arts and sciences with professional study in a particular field provides the individual learner with the freedom to realize one's potential as a human being.

Liberal education is not only education for employment; it is education for life that empowers the individual to assume many roles in a complex world where future careers in the emerging knowledge society have yet to be discovered.

Degrees Offered
At the undergraduate level, a student may select the Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, Bachelor of Social Work, and Bachelor of Music degrees. A self-directed bachelor of general studies is available as a degree program that provides for a 21-hour concentration instead of a specific major. In addition, the college offers an 18-hour concentration in ethnic studies that can be added to any university major.

At the graduate level, the college offers the Master of Liberal Studies, Master of Arts, Master of Fine Arts, and Master of Science.

Department of Art & Design

For updated information, see our website at www.fhsu.edu/art/.

The department offers degree programs on the undergraduate and graduate levels to develop skills and creative expression within the basic areas of the visual arts. The Moss-Thorns Gallery of Art supports these programs by providing students with broad exposure to historical and contemporary exhibitions throughout the year.

Explore the World of Art and Design

As a student in the Department of Art and Design, grow in skill level and knowledge. Become part of an active community of student artists who enjoy producing their own artwork and collaborating on group projects. Work closely with mentor professors throughout your program who help you develop your talents and gain confidence as an artist.

As an art major at FHSU, do more -and sooner -than art majors at many schools, helping you develop the skills and work habits of a professional artist. You will have 24-hour access to a wide variety of facilities from the beginning of your college career to practice your skills and produce your art, including:

- Modern computer labs
- Accessible studios
- A foundry

As an arts-centered community, Hays offers great opportunities for your work to be exhibited in the active local art scene. We have three seasonal "Gallery Walks" every year in Hays, with fantastic community support. Also, be sure to view our digital art collection.

With the help of an experienced and accessible faculty, be prepared to work hard and have fun as you pursue your passion for art. We invite you to explore the Web site for more information, or contact us to speak with a faculty advisor.

Undergraduate Degrees

Bachelor of Arts: Studio Art

Bachelor of Arts: Art History

Bachelor of Fine Arts: Graphic Design

Bachelor of Fine Arts: Interior Design

Bachelor of Fine Arts: Studio Art

Graduate Degrees

Master of Fine Arts

Master of Liberal Studies: Art

Minors

Art - General

Department of Art & Design Faculty & Staff

Chair: Karrie Simpson Voth

Professors: Tobias Flores, Linda Ganstrom, Amy Schmierbach, Chaiwat Thumsujarit

Assistant Professors: Jee Hwang, Travis Schlitter, Nicholas Simko

Instructors: Erica Bittel, Brian Hutchinson, Colin Schmidtberger

Department Staff: Lauren Sargent, *Administrative Assistant*

See department page online for full listing

Bachelor of Arts: Studio Art

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Cours-	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Art Core

A total of 33 credits from...

Course Code	Course Title	Credits
ART 101	Drawing I	3
ART 102	Drawing II	3
ART 103	2-D Design	3
ART 104	3-D Design	3
ART 201	Survey of Art History I	3
	Three courses in studio areas excluding major and minor, chosen from:	
ART 220	Introduction to Painting	
ART 230	Sculpture I	
ART 250	Printmaking I	
ART 260	Ceramics I	
ART 243	Graphic Design, or ART 244 Creative Photography I, or a 200-level Interior Design Course	9
ART 310	Figure Drawing	3
Two 400-level Art History Courses		6

Cognates

A student may select a major in one of the following: Drawing, Painting, Sculpture, Printmaking, Ceramics, or Photography.

A total of 16 credits from...

Course	Credits
Studio Major	10
Studio Minor	6

Free Electives

A total of 10 credits from...

Course	Credits
Free Electives	10

Totals

A total of 124 credits from...

University Requirements	65
Department Requirements	59
Total	**124**

Bachelor of Arts: Art History

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	**Credits**
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Art Core

A total of 33 credits from...

Course	**Course Title**	**Cred-**
ART 101	Drawing I	3
ART 102	Drawing II	3
ART 103	2-D Design	3
ART 104	3-D Design	3
ART 201	Survey of Art History I	3
	Three courses in studio areas excluding major and minor, chosen from:	
ART 220	Introduction to Painting	
ART 230	Sculpture I	
ART 250	Printmaking I	
ART 260	Ceramics I	
ART 243	Graphic Design, or ART 244 Creative Photography I, or a 200-level Interior Design Course	9
ART 310	Figure Drawing	3
	Two 400-level Art History Courses	6

Cognates

Chosen from Music, Literature, History, Philosophy, or second Foreign Language.

A total of 12 credits from...

Course	**Credits**
Cognates	12

Electives

A total of 12 credits from...

Course	**Credits**
Four 400-level Art History courses	12
Two ART 680 Readings in Art History	6

Totals

A total of 128 credits from...

University Requirements	63
Department Requirements	65
Total	**128**

Bachelor of Arts: Art (Secondary Education)

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Must include (MATH 110 College Algebra or higher)	
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Art Core

A total of 33 credits from...

Course	Course Title	Credits
ART 101	Drawing I	3
ART 102	Drawing II	3
ART 103	2-D Design	3
ART 104	3-D Design	3
ART 201	Survey of Art History I	3
	Three courses in studio areas excluding major and minor, chosen from:	
ART 220	Introduction to Painting	
ART 230	Sculpture I	
ART 250	Printmaking I	
ART 260	Ceramics I	
ART 243	Graphic Design, or ART 244 Creative Photography I, or a 200-level Interior Design Course	9
ART 310	Figure Drawing	3
Two 400-level Art History Courses		6

Electives —*A student may select a major in one of the following: Ceramics, Drawing, Painting, Printmaking, Sculpture, or Photography.*

Course	Credits
Studio Major	10
Studio Minor	3

Teacher Education

A total of 40 credits from...

Course	Course Title	Credits
ART 104	3D Design	3
ART 277	Early Field Experience: Art Education	1
ART 300	Elementary Art Methods	2
ART 400	Secondary School Art	3
TECS 290	Intro. to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TEEL 495	Student Teaching Elementary	6
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	4
TESS 496	Student Teaching Secondary	6

Totals

A total of 154 credits from...

University Requirements	65
Department Requirements	89
Total	**154**

Bachelor of Fine Arts: Studio Art

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	**Credits**
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences (three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Art Core

A total of 33 credits from...

Course Code	**Course Title**	**Credits**
ART 101	Drawing I	3
ART 102	Drawing II	3
ART 103	2-D Design	3
ART 104	3-D Design	3
ART 201	Survey of Art History I	3
	Three courses in studio areas excluding major and minor, chosen from:	
ART 220	Introduction to Painting	
ART 230	Sculpture I	
ART 250	Printmaking I	
ART 260	Ceramics I	
ART 243	Graphic Design, or ART 244 Creative Photography I, or a 200-level Interior Design Course	9
ART 310	Figure Drawing	3
Two 400-level Art History Courses		6

Studio Art Core —*A student may select a major in one of the following: Ceramics, Drawing, Painting, Printmaking, Sculpture, or Photography.*

A total of 34 credits from...

Course	**Credits**
Studio Art Major	31
ART 653 Professional Development in Studio Art	3

Totals

A total of 128 credits from...

University Requirements	55
Department Requirements	73
Total	**128**

Bachelor of Fine Arts: Graphic Design

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences (three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Art Core

A total of 33 credits from...

Course	Course Title	Credits
ART 101	Drawing I	3
ART 102	Drawing II	3
ART 103	2-D Design	3
ART 104	3-D Design	3
ART 201	Survey of Art History I	3

Three courses in studio areas excluding major and minor, chosen from:

ART 220	Introduction to Painting	
ART 230	Sculpture I	
ART 250	Printmaking I	
ART 260	Ceramics I	
ART 243	Graphic Design, or ART 244 Creative Photography I, or a 200-level Interior Design Course	9
ART 310	Figure Drawing	3

Two 400-level Art History Courses 6

Electives

A total of 34 credits from...

Course	Course Title	Credits
ART 243	Graphic Design	3
ART 245	Computer-Assisted Graphic Design I	3
ART 335	Book Design	3
ART 347	Graphic Design II	3
ART 348	Typography	3
ART 447	Graphic Design III	3
ART 490	History of Graphic Design	3
ART 648	Portfolio	3
ART 649	Graphic Design Internship	1
ART 650	Professional Development in Graphic Design	3
ART 651	Digital Media I	3
ART 652	Digital Media II	3

Totals

A total of 128 credits from...

University Requirements	55
Department Requirements	73
Total	**128**

Bachelor of Fine Arts: Interior Design

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences (three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Art Core

A total of 33 credits from...

Course Code	Course Title	Credits
ART 101	Drawing I	3
ART 102	Drawing II	3
ART 103	2-D Design	3
ART 104	3-D Design	3
ART 201	Survey of Art History I	3

Three courses in studio areas excluding major and minor, chosen from:

ART 220	Introduction to Painting	
ART 230	Sculpture I	
ART 250	Printmaking I	
ART 260	Ceramics I	
ART 243	Graphic Design, or ART 244 Creative Photography I, or a 200-level Interior Design Course	9
ART 310	Figure Drawing	3
Two 400-level Art History Courses		6

Electives

A total of 34 credits from...

Course Code	Course Title	Credits
ART 241	Architectural Design	3
ART 242	Architectural Perspective	3
ART 341	Residential Interiors	3
ART 342	Architectural Rendering **OR**	
TECS 318	Intro to Computer-Aided Drafting	3
ART 343	Business Interiors	3
ART 344	Textiles	3
ART 440	Color	3
ART 441	Historical Furnishings	3
ART 442	Interior Design: Business Principles	3
ART 645	Problems: Design I (Interior Design)	1
ART 645	Problems: Design I (Professional Development)	3
ART 645	Problems: Design I (Interior Design Practicum)	3

Totals

A total of 128 credits from...

University Requirements	55
Department Requirements	73
Total	**128**

Minor in Art

Minor in Art

A total of 24 credits from...

Course Code	Course Title	Credits
ART 101	Drawing I	3
ART 103	2-D Design	3
ART 201	Survey of Art History I	3
ART 487	20th Century Art History	3
	Art Studio Major	3
	Art Electives	6

Minor in Art: Students can complete 24 hours of core classes covering drawing, design, art history and elective courses to earn a minor to enhance a degree or delve more deeply into a personal creative interest.

Master of Fine Arts

Master of Fine Arts Degree: The Department of Art and Design offers a Master of Fine Arts degree, the terminal degree in the field of visual arts. The degree program consists of a minimum of 60 hours of graduate work and is structured accordingly. The Master of Fine Arts program offers concentrations in the following areas: Drawing, Painting, Ceramics, Sculpture, Photography, Printmaking, Graphic Design, and Intermedia.

Master of Fine Arts

A total of 60 credits from...

Department / Major Requirements	Credits
Studio Art Area Major	27
Studio Art Elective	13
Art History and Aesthetics	12
Terminal Thesis Project	8

Master of Liberal Studies: Art (Online Concentration)

Master of Liberal Studies (Art): The Master of Liberal Studies degree program in Art consists of a minimum of 31 hours of graduate work. Individuals applying for admittance into the MLS concentration in Art must meet the following criteria or receive permission from the department to qualify for admittance:

- Bachelor's in Art History or Studio Art from an accredited institution.
- Have 12 hours of undergraduate art history.
- Submit a sample of writing in art history.
- Submit a professional resume.

MLS Core Curriculum

Code	Course Title	Hours
IDS 801	Introduction to Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

Art Concentration

18 credits... select six of the following courses.

Code	Course Title	Hours
ART 875	Topics in Art (variable content titles)	3
ART 880	Graduate Readings in Art History	3
ART 881	Seminar: Ancient Art History	3
ART 882	Seminar: Non-Western Art History	3
ART 883	Seminar: Medieval Art	3
ART 884	Seminar: Renaissance/Baroque Art History	3
ART 886	Seminar: 18th-19th Century Art History	3
ART 887	Seminar: 20th Century Art	3

Culminating Experience

Code	Course Title	Hours
ART 880	Graduate Readings in Art History	3

Course Listing - Art

Undergraduate Credit

101 Drawing I (3) Observational drawing skills explored through black and white drawings media.

102 Drawing II (3) Observational and alternative drawing skills explored through color drawing media. Personal narrative and concept development is emphasized. Required of art majors. Requisites: PR, ART 101 and ART 103.

103 2-D Design (3) Introduction to 2-D Design and composition. Required of all Art and Design majors.

104 3-D Design (3) Study of three-dimensional design using various materials of the craftsman. Required for art teachers. Requisites: PR, ART 103.

180 Fundamentals and Appreciation of Art * (3) A non-major course introducing the nature of the visual arts as it relates to human society today.

201 Survey of Art History I * (3) A general survey of Art History from the prehistoric to medieval periods.

202 Survey of Art History II (3) A general survey of art history from the renaissance to contemporary periods.

220 Introduction to Painting (3) Exploration of traditional painting media. Requisites: PR, ART 101 and ART 103.

230 Sculpture I (3) Broad exploration in the techniques and methods of sculpture.

241 Architectural Design (3) Exploration of architectural drawing and use of traditional symbols.

242 Architectural Perspective (3) Exploring perspective drawing for the interior designer.

243 Graphic Design (3) An introduction to graphic design focusing on the foundation of design through design principles and elements including methods of research, idea generation, and image making. Topics over conceptual thinking and creative problem solving, application of design principles in communication, basic layout principles, use of typography and visual communication in different forms of graphic design and advertising. A focus will be placed on the process of defining problems, gathering information, and formulating clear, powerful, and persuasive visual concepts. Basic operating systems of Macintosh computers and Adobe Illustrator program will be demonstrated. Requisites: PR, ART 103.

244 Creative Photography I (3) Use of film as creative media. Students provide their own cameras.

245 Computer-Assisted Graphics Design I (3) An introduction to graphic design software and basic operating systems of Macintosh computers. Adobe software programs will be the implemented as well as the use of print and photography in design. Requisites: PR, ART 243.

250 Printmaking I (3) Exploration of various techniques and methods of printmaking.

260 Ceramics I (3) Exploration of techniques and methods of ceramics.

277 Early Field Experience: Art Education (1) The activities of a classroom in public schools. Required of all art education majors.

280 Approaches to Creativity * (3) Explores personal creativity in life and community through the lens of contemporary art. For non-art majors.

300 Elementary Art Methods (2) Study of methods, materials, and techniques of teaching art in the elementary school.

310 Figure Drawing (3) Observational drawing explored using the human figure. Requisites: PR, ART 101, ART 102, ART 103. Repeatable with permission of instructor.

320 Acrylic Painting (3) Intensive study in the acrylic medium. Requisite: PR, ART 220.

321 Watercolor Painting (3) Intensive study in the watercolor medium.

322 Oil Painting (3) Intensive study in the oil medium.

330 Sculpture II (3) Intensive study of sculpture form and technique. Requisites: PR, ART 230.

335 Book Design (3) This course focuses on the unique challenges and rewards inherent to the design and craft of books, including a look at the history of each binding presented. The course will provide an introduction to both traditional and creative bookbinding techniques. Requisites: PR, ART 103.

341 Residential Interiors (3) Analysis of domestic interiors with contemporary environment. Requisites: PR, ART 241.

342 Architectural Rendering (3) For interior designers, study of media and techniques used in architectural designs. Requisites: PR, ART 240, ART 241.

343 Business Interiors (3) Analysis of the problems related to business or commercial interiors. Requisites: PR, ART 241.

344 Textiles (3) Textiles from fiber to finished fabric, including the relationship between the properties and performance characteristics. Laboratory included.

346 Interior Design (3) Development and application of the aesthetic factors of interior design including the historical backgrounds of interiors and furniture. Requisites: PR, ART 345 or PERM.

347 Graphic Design II (3) This course further develops and adds to the skills learned in Graphic Design I. Students will explore a more advanced level of conceptual and visual design using creative solutions in print and packaging design to communicate an idea to a broad audience. Discussion and application of branding and promotional design as well as a fundamental understanding of cohesive campaigns, target audiences, team building, self evaluation, and professional presentation will be a focus. Adobe Photoshop, Illustrator, and InDesign will be used. Requisites: PR, ART 243.

348 Typography I (3) This course introduces the discipline, function, and tradition of typography as it relates to visual communication. Exploration of typographic form and manipulation of variables which affect content stressing the importance of typographic composition as an integral component of visual communication. Projects examine both fundamental and advanced structures of typographic form, space, grid structures, sequence and visual and informational hierarchy as it relates to print and packaging. History of typography, anatomy and structure of letterforms and the development of hand lettering skills will also be integral components of the class. Requisites: PR, ART 243 and ART 245.

350 Printmaking II (3) Intensive study in printmaking. Requisites: PR, ART 250.

360 Ceramics II + (3) Intensive study of ceramic form and technique. Requisites: PR, ART 260.

375 Topics in Art I + (1-3) Subjects in art which are not dealt with in the regular curriculum.

400 Secondary School Art (3) Practical experience in planning classroom materials for the secondary level.

410 Drawing III (3) Developing additional competence in drawing. Requisites: PR, ART 310; PERM.

420 Painting (3) Developing additional competence in painting. Requisites: PR, ART 320, ART 321, or ART 322 and PERM.

430 Sculpture III (3) Developing additional competence in sculpture. Requisites: PR, ART 330 or ART 331 and PERM.

440 Color (3) Investigation of color order systems, study of theories of color contrast and harmony.

441 Historical Furnishings (3) Study of stylistic periods in furniture for interior design majors.

442 Interior Design: Business Principles (3) Introduction of business concepts, fees, commissions, estimates, contracts, and aesthetics.

443 Illustration I (3) Analysis of media and techniques used by the commercial artist in production illustration. Requisites: PR, ART 240, ART 243.

444 Creative Photography II (3) Advanced study in photography stressing experimentation. Students must provide own cameras. Requisites: PR, ART 244; PERM.

446 Jewelry Design II (3) Emphasis on contemporary jewelry construction and casting processes. Requisites: PR, ART 246; PERM.

447 Graphic Design III + (3) This course further develops and adds to the skills learned in Graphic Design II. Emphasis will be placed on developing and solving the problem of creating multiple expanded design projects that incorporate print, packaging, and multimedia components. Application of branding and promotional design in a broader sense will be a focus as well as professional presentations, time management, and meeting the needs of a client and/or brand. Requisites: PR, ART 347

450 Printmaking III (3) Developing additional competence in printmaking. Requisites: PR, ART 350; PERM.

460 Ceramics III (3) Developing additional competence in ceramics. Requisites: PR, ART 360; PERM.

475 Topics in Art II + (1-3) Subjects in art which are not dealt with in the regular curriculum.

476 Art Apprenticeship + (1-3) Student participation in planning, teaching, and administering art programs. Requisites: PERM of department chair.

480 Readings in Art History + (1-3) Research, reading, and evaluation of art historical problems. Requisites: Permission.

481 Ancient Art History (3) Survey of art forms created from the prehistoric to the Late Roman Empire periods. Requisites: PR, ART 380 or PERM.

482 Non-Western Art History (3) Survey of art forms created by non-Western cultures. Requisites: PR, ART 380 or PERM.

483 Medieval Art History (3) Survey of art forms from early Christian to the late-Gothic periods. Requisites: PR, ART 380 or PERM.

484 Renaissance/Baroque Art History (3) Survey of art forms created in Italy and Northern Europe during the Renaissance and Baroque periods. Requisites: PR, ART 380 or PERM.

486 18th-19th Century Art History (3) Survey of major art movements of 18th and 19th century Europe with emphasis on their influence upon 20th century art. Requisites: PR, ART 380 or PERM.

487 20th Century Art History (3) Survey of the major art movements from 1900 to the present. Requisites: PR, ART 380 or PERM.

488 Visual Culture (3) This course examines the production and consumption of imagery in an effort to understand how meanings are produced in various historical, political, and cultural contexts, while also questioning what role art-making and human vision play in our overtly visual, post-industrial society.

490 History of Graphic Design (3) An exploration of the relationship between graphic design and its audience, analysis of the evolution of form or visual attributes, and the study of the social and economic impact of design. The course will provide a conceptual and pictorial view of significant stages in the development of graphic design through in-depth study of stylistic periods and pioneers of graphic design. Requisites: PR, ART 243.

Undergraduate/Graduate Credit

615 Problems: Drawing I + (1-3) Individual study for a major concentration in drawing. Requisites: PERM.

625 Problems: Painting I + (1-3) Individual study for a major concentration in painting. Requisites: PERM.

635 Problems: Sculpture I + (1-3) Individual study for a concentration in sculpture. Requisites: PERM.

645 Problems: Design I + (1-3) Individual study for a major concentration in some field of design which may include practicum experience. Requisites: PERM.

648 Portfolio + (3) This course further develops and adds to the skills learned in Graphic Design III, focusing on larger and more advanced projects including print, packaging, and multi-media to create cohesive conceptual-based visual projects that can communicate an idea to a target audience. Emphasis will be on creating portfolio-quality projects, professionalism of the final pieces as well as professional presentations and self-evaluation. Instruction in the organization and presentation of a professional quality portfolio. Requisites: PR, ART 447.

649 Graphic Design Internship + (1-3) An internship enhances the student's academic program by providing an opportunity to apply for an internship. This will help the student acquire professional knowledge of the industry as an intern in a workplace environment working with actual clients. Supervised study and a final written evaluation will be completed by the internship coordinator. Requisites: PR, ART 447.

650 Professional Development in Graphic Design (1-3) An exploration of the graphic design field, from major design industries to design disciplines, the study of significant career development issues, and the creation of an optimum portfolio and marketing strategy in preparation for future employment opportunities. Requisites: PR, ART 648 or PERM.

651 Motion Design I (3) This course emphasizes digital application as an alternative media and implementation to traditional graphic design. The extensive use of the creative conceptual process and design principles such as typography, composition, and color to communicate ideas will be fully implemented. Requisites: PR, ART 647 or PERM.

652 Digital Media II (3) This course is an expansion on digital media with an introduction of other related software. The full integration of the software will allow students to create a variety of applications such as professional interactive presentations, web design, animated interface, and DVD. Requisites: PR, ART 651 or PERM.

653 Professional Development in Studio Art (3) Development and preparation of an artist's portfolio for career and further education. Required of all BA and BFA Studio Art majors. Requisites: PR, Senior standing, BA or BFA major in Studio Art, or PERM.

655 Problems: Printmaking I + (1-3) Individual study for a major concentration in printmaking. Requisites: PERM.

665 Problems: Ceramics I + (1-3) Individual study for a major concentration in ceramics. Requisites: PERM.

670 Workshop + (1-3) Investigation of materials, projects, and methods for the classroom. Requisites: PERM.

Graduate Credit

815 Problems: Drawing II + (1-5) Research and experimentation in drawing as a major or minor concentration.

825 Problems: Painting II + (1-5) Research and experimentation in painting as a major or minor concentration.

835 Problems: Sculpture II + (1-5) Research and experimentation in sculpture as a major or minor concentration.

845 Problems: Design II + (1-5) Research and experimentation in design as a major or minor concentration.

847 Graphic Design IV + (3) Supervised study and research focusing on developing the student's portfolio. Project ideas will be discussed with and approved by the instructor. Requisites: PERM.

848 Graduate Portfolio + (3) Independent study focusing on developing the student's portfolio. Project ideas will be discussed with and approved by the instructor. Requisites: PERM.

849 Graduate Graphic Design Internship + (1-3) An internship enhances the student's academic program by providing an opportunity to work directly with clients (on and off campus) who contact the department requesting design services. This will help the student acquire professional knowledge work within a client's budget and timeline. Supervised by the instructor. Requisites: PERM.

850 Computer-Assisted Graphics Design II + (3) An advanced study of graphic design software and operating systems of Macintosh computers. Adobe software programs will be the focus as well as the use of print and photography in design. Requisites: PERM.

855 Problems: Printmaking II + (1-5) Research and experimentation in printmaking as a major or minor concentration.

865 Problems: Ceramics II + (1-5) Research and experimentation in ceramics as a major or minor concentration.

870 Graduate Workshop + (1-3) Investigation of materials, projects, and methods for the classroom with emphasis on experimentation. Graduate-level work expected. Requisites: PERM.

875 Graduate Topics in Art + (1-3) Subjects in art which are not dealt with in the regular curriculum. Graduate-level work expected.

880 Graduate Readings in Art History + (1-3) Intensive reading, critical research, and evaluation of art historical problems. Requisites: PR, six hours of graduate-level art history seminars and/or PERM.

881 Seminar: Ancient Art History (3) In-depth study of art created from the prehistoric to the Late Roman Empire periods. Requisites: PR, graduate standing or PERM.

882 Seminar: Non-Western Art History (3) In-depth study of art created by non-western cultures. Requisites: PR, graduate standing or PERM.

883 Seminar: Medieval Art History (3) In-depth study of art created from the early Christian to the late-Gothic periods. Requisites: PR, graduate standing or PERM.

884 Seminar: Renaissance/Baroque Art History (3) In-depth study of art created in Italy and Northern Europe during the Renaissance and Baroque periods. Requisites: PR, graduate standing or PERM.

886 Seminar: 18th-19th Century Art History (3) In-depth study of major art movements in 18th and 19th century Europe with emphasis on their influence upon 20th-century art. Requisites: PR, graduate standing or PERM.

887 Seminar: 20th Century Art History (3) In-depth study of major western art movements from 1900 to the present. Requisites: PR, graduate standing or PERM.

889 Concepts of Art + (1-3) In-depth study of philosophical concepts of art and the development of a concise view of creativity. Required of graduate students. Repeatable once with different content.

899 Thesis + (2-4) Final project for the completion of the graduate degree program. Student required to have formal exhibition.

*General Education Course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Communication Studies

For updated information, see our website at www.fhsu.edu/communication. The department offers a broad range of courses leading to the Bachelor of Arts and Master of Science degrees. Courses focus on human communication behaviors. Coursework is designed to improve message sending and relational communication skills, to foster creative talents, to promote expertise in public relations and advertising, and to prepare students to be the engaged citizens of tomorrow.

Undergraduate Degrees

The department's philosophy reflects the belief that students majoring in communication studies should be exposed to all areas of the field. In consultation with their advisor, students develop their programs by taking courses in general communication, organizational communication, and public relations and advertising. Coursework for transfer students is determined by evaluating prior coursework in communication.

Department of Communication Studies Faculty & Staff

Chair: Scott Robson

Professors:

Associate Professors: Gordon Carlson, Scott Robson, Hsin-Yen Yang

Assistant Professors: Yuxiang Du, Patti Griffin, Marcella Marez

Instructors: Brittney Reed

Adjunct Instructor: John (Dance) Adams, Diane Mason, Latisha Haag, Allison Ochoa

Department Staff: Kathy Meier, *Administrative Assistant*

See department page online for full listing

Undergraduate Degrees

- Bachelor of Arts: Communication (General)
- Bachelor of Arts: Communication (Organizational)
- Bachelor of Arts: Communication (Public Relations and Advertising)

Graduate Degrees

- Master of Science: Communication (General)
- Master of Science: Communication (Organizational)

Minors

General Concentration

- Public Relations and Advertising
- Organizational Communication

Certificates

- General Concentration (Speech) Certificate
- Public Relations and Advertising Certificate
- Organizational Communication Certificate

Bachelor of Arts: Communication (General)

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Communication Studies Core

A total of 9 credits from...

Course Code	Course Title	Credits
COMM 208	Communication & Information Society	3
COMM 350	Communication Research Methods	3
COMM 490	Issues & Applications in Communication	3

Applied Disciplinary Focus

Choose 6 credits from...

Course Code	Course Title	Credits
COMM 128	Media and Society	3
COMM 345	Visual and Creative Design	3
COMM 348	Intro to Public Relations & Advertising	3
COMM 642	Crisis Management & Strategies	3

General Communication Courses

A total of 27 credits from...

Required Courses - 6 credit hours

Course Code	Course Title	Credits
COMM 304	Intermediate Interpersonal Comm.	3
COMM 318	Intro to Organizational Communication	3

Select seven courses from the following - 21 credit

Course Code	Course Title	Credits
COMM 322	Topics in Communication	3
COMM 414	Business & Professional Speaking	3
COMM 600	Nonverbal Codes	3
COMM 601	Persuasion	3
COMM 602	Intercultural Communication	3
COMM 603	General Semantics	3
COMM 604	Interpersonal Communication	3
COMM 605	Small Group Communication	3
COMM 606	Conflict Management Through Comm.	3
COMM 607	Listening	3
COMM 608	Communication and Gender	3
COMM 611	Organizational Culture & Climate	3
COMM 613	Recruiting & Interviewing Techniques	3
COMM 680	Seminar in Communication	3
COMM 681	Readings in Communication	3
COMM 682	Problems in Communication	3
COMM 685	Internship in Communication	3

Electives

A total of 13 credits from...

Free Electives 13 credits

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: Communication

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Communication Core

A total of 9 credits from...

Course Code	Course Title	Credits
COMM 208	Communication and the Information Society	3
COMM 350	Communication Research Methods	3
COMM 490	Issues & Apps in Communication	3

Communication Context and Skills

A total of 6 credits from...

Course Code	Course Title	Credits
COMM 345	Visual and Creative Design	3
COMM 600	Nonverbal Codes	3
COMM 602	Intercultural Communication	3
COMM 604	Interpersonal Communication	3
COMM 607	Listening	3

Organizational Communication Core

A total of 18 credits from...

Course Code	Course Title	Credits
COMM 304	Intermediate Interpersonal Comm.	3
COMM 318	Intro to Organizational Communication	3
COMM 414	Business and Professional Speaking	3
COMM 611	Organizational Culture & Climate	3
COMM 613	Recruiting and Interviewing Techniques	3
COMM 642	Crisis Management and Strategies	3

Organizational Communication Electives

A total of 9 credits from...

Course Code	Course Title	Credits
COMM 601	Persuasion	3
COMM 605	Small Group Communication	3
COMM 606	Conflict Management Through Communication	3
COMM 608	Communication and Gender	3
COMM 614	Organizational Coaching and Mentoring Communication	3
COMM 680	Seminar in Communication	1-3
COMM 612 or MGT 611	Developing Human Resources or Human Resource Management	3
COMM 681 or COMM 682 or COMM 685	Readings in Communication / Problems in Communication / Internship	3

Electives

A total of 13 credits from...

Free Electives 13 credits

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: Communication

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Communication Core

A total of 9 credits from...

Course Code	Course Title	Credits
COMM 208	Communication and the Information Society	3
COMM 350	Communication Research Methods	3
COMM 490	Issues & Apps in Communication	3

Public Relations & Advertising Core

A total of 33 credits from...

Course Code	Course Title	Credits
COMM 128	Media and Society	3
COMM 318	Intro to Organizational Communication	3
COMM 345	Visual and Creative Design	3
INF 346	Video Production	3
COMM 348	Intro to Public Relations & Advertising	3
COMM 349	Strategic Writing and Ethics	3
COMM 414	Business and Professional Speaking	3
COMM 606	Conflict Management	3
COMM 642	Crisis Management & Strategies	3
COMM 657	Media Planning and Management	3
COMM 658	Strategic Campaign Design & Analysis	3

Electives

A total of 13 credits from...

Free Electives	13 credits

Totals

A total of 120 credits from...

University Requirements	65
Department Require-ments	55
Total	**120**

Minor in Communication Studies

General Concentration: Students must take one, three-credit hour course from general communication, organizational communication, and public relations and advertising. Also, students must complete an additional 12 credit hours from the department. The minimum requirement is 21 credit hours.

Specific Concentration: Students must take courses in at least two areas of the department (general communication, organizational communication, and public relations and advertising). This option includes a concentration of a minimum of 15 hours in one area of the department. The minimum requirement is 21

Certificates in Communication Studies

Certificate Programs

Certificate programs require between 6 and 18 credit hours and are composed of courses specific to an area of study; all classes leading to a certificate must be taken for credit; courses cannot be counted toward more than one certificate; students are designated as "certificate students' when they declare an intent to complete a certificate plan and a university application; upon completion of certificate requirements, the program director will authorize the issuance of a printed certificate; certificate programs are not noted on a student's official transcript.

Communication Studies certificate

Communication studies offers certificates for General Communication (Speech); Public Relations and Advertising; and Organizational Communication. Contact Dr. Scott Robson, department chair, for more information.

Master of Science: Communication (General)

Thesis Option

A total of 30 credits from...

Course Code	Course Title	Credits
COMM 800	Contemporary Theories in Comm.	3
COMM 810	Organizational Comm. & Leadership	3
COMM 817	Intro to Graduate Research in Comm.	3
COMM 899	Thesis	6

Choose 15 credits from the following...

Course Code	Course Title	Credits
COMM 600	Nonverbal Codes	3
COMM 601	Persuasion	3
COMM 602	Intercultural Communication	3
COMM 603	General Semantics	3
COMM 604	Interpersonal Communication	3
COMM 605	Small Group Communication	3
COMM 606	Conflict Management Through Comm.	3
COMM 607	Listening	3

Research Option

A total of 33 credits from...

Course Code	Course Title	Credits
COMM 800	Contemporary Theories in Comm.	3
COMM 810	Organizational Comm. & Leadership	3
COMM 817	Intro to Graduate Research in Comm.	3
COMM 827	Seminar in Communication Research	3

Choose 21 credits from the following...

Course Code	Course Title	Credits
COMM 600	Nonverbal Codes	3
COMM 601	Persuasion	3
COMM 602	Intercultural Communication	3
COMM 603	General Semantics	3
COMM 604	Interpersonal Communication	3
COMM 605	Small Group Communication	3
COMM 606	Conflict Management Through Comm.	3
COMM 607	Listening	3

Master of Science: Communication

Thesis Option

A total of 30 credits from...

Course Code	Course Title	Credits
COMM 606	Conflict Management Through Comm.	3
COMM 611	Organizational Culture & Climate	3
COMM 612	Developing Human Resources Through Communication	3
COMM 613	Recruiting & Interviewing Techniques	3
COMM 614	Organizational Coaching and Mentoring Communication	3
COMM 800	Contemporary Theories in Comm.	3
COMM 810	Organizational Comm. & Leadership	3
COMM 817	Intro to Graduate Research in Comm.	3
COMM 899	Thesis	6

Research Option

A total of 33 credits from...

Course Code	Course Title	Credits
COMM 605	Small Group Communication	3
COMM 606	Conflict Management Through Comm.	3
COMM 608	Communication and Gender	3
COMM 611	Organizational Culture & Climate	3
COMM 612	Developing Human Resources Through Communication	3
COMM 613	Recruiting & Interviewing Techniques	3
COMM 614	Organizational Coaching and Mentoring Communication	3
COMM 642	Crisis Management and Strategies	3
COMM 800	Contemporary Theories in Comm.	3
COMM 810	Organizational Comm. & Leadership	3
COMM 817	Intro to Graduate Research in Comm.	3
COMM 827	Seminar in Communication Research	3

Course Listing - Communication Studies

100 Fundamentals of Oral Communication* (3) This course examines theories and practices relevant to acquiring skill in interpersonal relations, small group communication, and public speaking.

125 Introduction to Motion Pictures* (3) An overview of the art of cinema, concentrating on those techniques of filmmaking which shape motion pictures as a distinct art form. Although the course will include a short history of the development of the movie business, this is neither a history course nor a course in how to make films, but rather it is a course in how to view and understand motion pictures. A series of famous films will be shown and analyzed during the course.

208 Communication and the Information Society (3) Examines the global communication intensive society of the present and future. Study of the forms, processes, and functions of communication focusing on the role of communication in creating and shaping our attitudes and behaviors.
Requisites: PR, COMM 100

300 Diversity and Communication (3) This course seeks to increase awareness of diversity issues by examining the role of communication in creating and resolving problems in sexism, racism and ageism. The role of communication in acculturation is also examined. Requisites: PR, COMM 208 or PERM.

304 Intermediate Interpersonal Communication (3) Course examines speech principles and practices relevant to effective person-to-person and small group communication. Requisites: PR, COMM 100.

318 Introduction to Organizational Communication* (3) Analysis of the functions of communication in organizational settings. Emphasis is placed on organizational structures and their effect on the communication process.
Requisites: PR, COMM 100.

322 Topics in Communication + (1-3) Course is designed to provide academic credit for a number of different areas in the communication department. The student will study one particular topic in depth.

350 Communication Research Methods (3) Study of the goals, objects and methods of communication research.
An introduction to historical, dramatic, and quantitative research methodologies used in communication.
Requisites: PR, COMM 100, and ENG 102.

414 Business and Professional Speaking (3) Course in speech communication with emphasis on the practical application of theories and principles to the development of those speech skills essential to communication encounters in the business and professional world. Requisites: PR, COMM 100.

490 Issues and Application in Communication (3) Communication is explored from three perspectives: 1) historical -- examining both the behavioral rhetorical traditions; 2) theoretical -- in the areas of theatre, interpersonal, organizational, and mass communication; and 3) futuristic directions in communication research. The course integrates prior courses into a conceptual whole and serves as the student's summative evaluation. Requisites: PR, COMM 350 and Senior Standing.

Undergraduate/Graduate Credit

600 Nonverbal Codes (3) Course examines the effects of a variety of nonverbal behaviors during interpersonal interaction at home, play, and work. Topics include proxemics, haptics, oculesics, chronemics, gender and cultural variables, para- linguistics, body types and shapes and sizes, personal artifacts and clothing, kinesics, and olfactics.
Requisites: PR, COMM 100 or Graduate Standing.

601 Persuasion (3) Psychological principles of influencing individuals and groups and the application of these principles to various areas of social activity. Requisites: COMM 100 or Graduate Standing.

602 Intercultural Communication (3) Course examines the effects of cultural variables on the communication process. Cross-cultural interpersonal variables are examined.
Requisites: PR, COMM 100 or Graduate Standing.

603 General Semantics (3) Course examines the means of changing implications so that language, in spoken or written form, more adequately describes life facts.
Requisites: PR, COMM 100 or Graduate Standing.

604 Interpersonal Communication (3) Course views communication as a process of relating and evaluating. Emphasis is given to the study of communication theory applicable to face-to-face, spontaneous interactions in small groups.
Requisites: PR, COMM 100 or Graduate Standing.

605 Small Group Communication (3) Various forms of group discussion are studied with emphasis on developing skills in effective participation and leadership. Emphasis is on discussion, small group problem-solving, and group dynamics.
Requisites: PR, COMM 100 or Graduate Standing.

606 Conflict Management Through Communication (3) Course examines the role of communication in managing conflicts. Conflict management theories such as assertiveness, shared decision-making, negotiation, mediation of conflicts, and other skills will be examined.
Requisite: PR, COMM 100 or Graduate Standing.

607 Listening (3) Course covers basic theories and principles of effective listening. Emphasis is given to therapeutic, comprehensive, critical, discriminative, and appreciative listening.
Requisites: PR, COMM 100 or Graduate Standing.

608 Communication and Gender (3) Course designed to give students insights and skills into interpreting and understanding various biological, social and cultural influences on men and women. Students will discover how sex and gender affect their communication as well as how communication affects sex and gender. Requisites: PR; COMM 100, ENG 102.

611 Organizational Culture and Climate (3) This course presents the major theoretical and research orientations of organizational communication as it relates to organizational culture and climate. Focus is given to the communicative construction and management of "culture" and its resultant climate as related to all aspects of organizational life. Requisites: PR, COMM 318.

612 Developing Human Resources through Communication (3) This course focuses on the role communication plays in the implementation of human resource development. The course focuses on communication and interpersonal skills required of the effective HR professional. Requisites: PR, COMM 318 or Graduate Standing.

613 Recruiting and Interviewing Techniques (3) This course focuses on the communication skills necessary to develop strong organizational recruiting and interviewing techniques. Emphasis is placed on developing innovative recruiting techniques and building interviewing skills. Requisite: PR, COMM 318.

614 Organizational Coaching and Mentoring Communication (3) This course is designed to help the student understand the importance of mentoring and coaching in organizations. The primary focus is on communication skills necessary to develop strong organizational coaching and mentoring programs within the organization. Requisite: PR, COMM 318.

665 Social Media Networking (3) This course surveys the Social Media Networking Industry and explores the effective practice of social networking tools and platforms for business and professional purposes. Additional attention focuses on the effective utilization of communication skills in the use of these internet-based tools and platforms. Students in this course will study how and why social media is used for professional purposes, with the aim of discovering strategic networking and communication techniques. In addition, students research social media theory, especially in its relevance to the history and future application.

680 Seminar in Communication + (1-3) Designed to give upper-level students an opportunity for in-depth study into areas of communication. Content will vary according to the needs of the upper-level student population.

681 Readings in Communication + (1-3) Special study by the student in the student's field of particular concentration.
Requisite: PR, PERM.

682 Problems in Communication + (1-4) Special problems encountered by the student in the student's field of concentration. Requisite: PR, PERM.

684 Workshop in Communication (1-3) Designed to give concentrated training in an area of communication.
Requisite: PR, PERM.

685 Internship + (1-6) Course is designed to provide practical experience in teaching and administration of communication.
Requisites: PR, PERM.

Graduate Credit

800 Contemporary Theories in Communication (3)
Theoretical course designed to give graduate students breadth of knowledge in the diverse field of communication. Special attention is given to integrating contemporary theories of communication (general communication, journalism, information networking and telecommunications, and theatre).
Requisite: PR, GRAD.

810 Organizational Communication and Leadership (3)
Provides a collaborative learning experience in organizational communication and leadership behaviors through student interaction and instructor feedback. This course focuses on the development of communication and leadership behaviors based on contemporary thinking in the field. Requisite: PR, GRAD.

817 Introduction to Graduate Research in Communication (3) Course examines research methods in communication, theatre, journalism, public relations/advertising, and information networking and telecommunications. Requisite: PR, GRAD.

827 Seminar in Communication Research (3) Advanced course in applying communication research methodologies to specific research topics. Requisites: PR, COMM 817.

899 Thesis (3-6) Requisites: PR, PERM and Graduate Standing.

Public Relations and Advertising

128 Media and Society (3) This course is a three-hour survey course designed to provide a general introduction to the social impact of media on cultures and society. This course examines the history of media, media theory, and the social impact of communication technologies and media convergence, with a primary focus on the United States.

335 Advanced Photographic Techniques (3)
Advanced photography course which stresses color work, professional portraiture, and other specialized photographic work. Requisites: PR, COMM 129 or PERM.

345 Visual and Creative Design(3) Study and applications of Macintosh desktop publishing technology and publication design. Requisites: PR, COMM 100 and ENG 102

347 Advertising (3) This course is an overview of the field of advertising including advertising history; the idea systems behind advertising as a social/economic institution; the perspectives of supporters and critics; and the principles and elements of design. Requisites: PR, COMM 128 and ENG 102.

348 Intro to Public Relations and Advertising (3) This course provides an overview of the field of public relations. Includes the development and contemporary status of the field, a grammatical review, social responsibility, and emerging technologies.
The class examines professional ethics and the impact of public relations on society. Requisites: PR, COMM 100 and ENG 102.

349 Strategic Writing and Ethics (3) This course is designed to develop the professional-level writing skills expected of public relations communicators, emphasizing approaches required for different publics and media. Includes basic persuasive theories and application techniques involved in creating public relations messages, including planning, writing, editing, production and evaluation. Requisites: PR, COMM 348

Undergraduate/Graduate Credit

635 Multimedia Production (3) This course provides an introduction to the production of multimedia. Components include conceptualization of the idea, story-board preparation, and the preparation of digital images, video, and sound. All the elements are then integrated into a finished presentation using appropriate authoring programs.
Requisites: PR, COMM 129 or INF 346

641 Public Relations Management and Campaign Design (3) This course includes an overview of professional standards and practices, media and marketing research, program planning, and communication techniques used by public relations professionals. A complete PR campaign will be developed and presented.
Requisites: PR, COMM 348

642 Crisis Management and Strategies (3) A study of the factors in crisis situations, including development of crisis plans, handling of the media, coordination of internal disciplines, collection and dissemination of information and restoration of public confidence. Crisis theories and the design and use of written and oral strategies will be examined.
Requisites: PR, COMM 100.

656 Advertising Copywriting Strategy and Tactics (3) This course examines the creative process including idea generation and execution of advertising copywriting and storyboards.
The course will encompass the concepts of consumer motivation, perception, learning and attitudes as related to advertising tactics and strategies. Requisites: PR, COMM 347.

657 Media Planning and Management (3) This course focuses on the function of media, the relationship between advertising and marketing, the role of research, research sources, media mathematics, identifying target audiences, scheduling, and media avenues (newspapers, magazines, radio, etc.) Requisites: PR, COMM 348.

658 Strategic Campaign Design and Analysis (3) This course involves the analysis and development of advertising campaigns aimed at gaining attention and acceptance of selected target audiences. An advertising campaign for a client will be developed. Requisites: COMM 348,COMM 656, and COMM 657.

Department of Criminal Justice

For more information about the department of Criminal Justice, visit their website at www.fhsu.edu/criminaljustice .

Society depends on criminal justice professionals to help protect and promote the common good. The Department of Criminal Justice at Fort Hays State University will prepare you for a **rewarding career in law enforcement, corrections, or the legal system**. Learn the **theory behind criminal justice practices** while **customizing your degree program** to suit your interests. Get hands-on experience and a **global perspective** highly valued by future employers.

Criminal Justice at FHSU:

We challenge students to master crucial roles in a criminal justice system that must adapt to rapidly accelerating change—at the local, state, national, and global level.

You'll develop skills and qualities like these:

- An understanding of the nature of crime and the agencies and processes that work against it.
- Knowledge about principles that form the nation's approach to crime and the discretion needed for dealing with different cases.
- The ability to think critically and solve problems.
- The ability to communicate well, verbally and in writing.

Undergraduate Degrees

Bachelor of Arts: Criminal Justice

Bachelor of Science: Criminal Justice

Graduate Degrees

Master of Professional Studies: Criminal Justice

Minors

Minor in Criminal Justice

Certificates

Certificate in Crime Mapping and Analysis

Certificate in Criminal Justice

Certificate in Criminal Justice Leadership

Certificate in Criminological Theory

Certificate in Corrections

Certificate in Policing and Homeland Security

Certificate in Social Justice

Certificate in Victim Advocacy

FHSU Criminal Justice graduates lead as well as serve, and they perform with competence, innovation, and integrity. The quality of protection and security of tomorrow begins with purposeful preparation today.

Department of Criminal Justice Faculty & Staff

Chair: Dr. Tamara Lynn

Professor:

Associate Professors: Dr. Tamara Lynn, Dr. April Terry

Assistant Professors: Dr. Ziwei Qi, Dr. Morgan Steele

Instructors: Mr. Troy Terry

Adjunct Faculty: Ms. Martha Bray, Mr. Michael David, Dr. Lindsey Dinkel, Chief John Jackson, Dr. Brandi Joffrion, Ms. Megan Milner, Dr. Alan Moore Jr., Dr. Carol Park, Dr. John Raacke, Mr. Adam Strzemienski, Ms. Kristina Thielen, Dr. David Weiden, Ms. Jenny White

Department Staff: Melissa Mayers, *Senior Administrative Assistant;*
Ms. Rachel Cronn, *Academic Advisor*

See department page online for full listing

Bachelor of Arts: Criminal Justice

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences	
PSY 100 General Psychology	3
POLS 101 American Government	3
One Elective	3
Upper-Division Integrative Course	
IDS 401 Ethical Issues in the Professions & Business	3
Modern Language Courses	
Beginning courses I and II	10

Criminal Justice Core

A total of 24 credits from...

Course Code	Course Title	Credits
CRJ 100	Workshop in Criminal Justice	1-3
CRJ 101	Introduction to Criminal Justice	3
CRJ 200	Criminology	3
CRJ 215	Technical & Report Writing	2
CRJ 245	Criminal Justice Ethics	3
CRJ 250	Administration of Justice Systems	3
CRJ 310	Comparative Justice Systems	3
CRJ 399	Criminal Justice Research	3
CRJ 499	Capstone Seminar in Criminal Justice	3

Electives

21 hours - at least 1 course from each subdivision

Policing

Code	Course Title	Credits
CRJ 220	Introduction to Law Enforcement	3
CRJ 225	Digital and Cyber Crime	3
CRJ 315	Intro to Private Security/Crime Prevention	3
CRJ 325	Law Enforcement in the Community	3
CRJ 355	Criminal Investigation	3
CRJ 370	Terrorism	3

Offenders and Victims

Code	Course Title	Credits
CRJ 241	Introduction to Corrections	3
CRJ 265	Juvenile Justice Systems	3
CRJ 305	Corporate Crime and Deviance	3
CRJ 331	Criminal Law and Procedure	3
CRJ 335	Civil Liability	3
CRJ 365	Women in Crime	3
CRJ 385	Victimology	3

Criminology

Code	Course Title	Credits
CRJ 275	Crime and Society	3
CRJ 330	Cultural Criminology	3
CRJ 340	Gender, Race and Inequality	3
CRJ 350	Drugs and Society	3
CRJ 375	Serial Predators	3
CRJ 390	Sex Crimes	3

Electives

A total of 10 credits from...

Free Electives	10 credits

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Science: Criminal Justice

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences	
PSY 100 General Psychology	3
POLS 101 American Government	3
One Elective	3
Upper-Division Integrative Course	
IDS 401 Ethical Issues in the Professions & Business	3

Criminal Justice Core

A total of 24 credits from...

Course Code	Course Title	Credits
CRJ 100	Workshop in Criminal Justice	1
CRJ 101	Introduction to Criminal Justice	3
CRJ 200	Criminology	3
CRJ 215	Technical & Report Writing	2
CRJ 245	Criminal Justice Ethics	3
CRJ 250	Administration of Justice Systems	3
CRJ 310	Comparative Justice Systems	3
CRJ 399	Criminal Justice Research	3
CRJ 499	Capstone Seminar in Criminal Justice	3

Electives

21 hours - at least 1 course from each subdivision

Policing

Code	Course Title	Credits
CRJ 220	Introduction to Law Enforcement	3
CRJ 225	Digital and Cyber Crime	3
CRJ 315	Private Security	3
CRJ 325	Law Enforcement in the Community	3
CRJ 355	Criminal Investigation	3
CRJ 370	Terrorism	3

Offenders and Victims

Code	Course Title	Credits
CRJ 241	Introduction to Corrections	3
CRJ 265	Juvenile Justice Systems	3
CRJ 305	Corporate Crime and Deviance	3
CRJ 331	Criminal Law and Procedure	3
CRJ 335	Civil Liability	3
CRJ 365	Women and Crime	3
CRJ 385	Victimology	3

Criminology

Code	Course Title	Credits
CRJ 275	Crime and Society	3
CRJ 330	Cultural Criminology	3
CRJ 340	Gender, Race and Inequality	3
CRJ 350	Drugs and Society	3
CRJ 375	Serial Predators	3
CRJ 390	Sex Crimes	3

Electives

A total of 20 credits from...

Free Electives 20 credits

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Minor in Criminal Justice

Minor in Justice Studies

A total of 21 credits from...

Course Code	Course Title	Credits
CRJ 101	Introduction to Criminal Justice	3
CRJ 200	Criminology	3
Electives	Criminal Justice Electives	15

Learn about the criminal justice system while maintaining your major degree focus. You'll need to take CRJ 101: Introduction to Criminal Justice, CRJ 200: Criminology, and fifteen additional credit hours of Criminal Justice classes.

You can take classes covering all areas of the legal system, from enforcing the law to exacting social justice.

Certificates in Criminal Justice

Certificate in Crime Mapping and Analysis

Choose 12 credits from...

Course Code	Course Title	Credits
CRJ 355	Criminal Investigation	3
CRJ 395	Crime Analysis	3
GSCI 240	Intro to Geographic Info Systems	3
GSCI 360	Intermediate Geographic Info Systems	3

Certificate in Criminal Justice

Choose 9 credits from...

Course Code	Course Title	Credits
CRJ 101	Introduction to Criminal Justice	3
CRJ 200	Criminology	3
	Criminal Justice Elective	3

Certificate in Criminal Justice Leadership

Choose 12 credits from...

Course Code	Course Title	Credits
CRJ 101	Introduction to Criminal Justice	3
CRJ 250	Administration of Justice Systems	3
LDRS 300	Intro to Leadership Concepts	3
LDRS 302	Intro to Leadership Behavior	3

Certificate in Criminological Theory

Choose 15 credits from...

Course Code	Course Title	Credits
CRJ 200	Criminology	3
SOC 140	Understanding Society	3
	One Course from each concentration	9

Certificate in Corrections

Choose 12 credits from...

Course Code	Course Title	Credits
CRJ 100	Workshop in Criminal Justice	1-3
CRJ 241	Introduction to Corrections	3
CRJ 345	Community Corrections	3
CRJ 375	Serial Predators	3
CRJ 380	Topics (variable content)	3
CRJ 600	Internship (Corrections)	1-3
CRJ 670	Independent Study (Corrections)	1-3
CRJ 675	Seminar (variable content)	3

Certificate in Policing and Homeland Security

Choose 18 credits from...

Course Code	Course Title	Credits
CRJ 220	Introduction to Law Enforcement	3
CRJ 315	Security Administration	3
CRJ 325	Law Enforcement in the Community	3
CRJ 331	Criminal Law and Procedure	3
CRJ 335	Civil Liability	3
CRJ 355	Criminal Investigation	3
CRJ 370	Terrorism	3

Certificate in Victim Advocacy

A total of 12 credits from...

Course Code	Course Title	Credits
CRJ 331	Criminal Procedure	3
CRJ 380	Topics: Victim Advocacy	3
CRJ 385	Victimology	3
CRJ 600	Internship	3
SOC 670	Grant Proposal Development	3

Certificates in Criminal Justice

Certificate in Social Justice

A total of 12 credits from...

Course Code	Course Title	Credits
CRJ 340	Gender, Race, and Inequality in CJ	3
CRJ 365	Women and Crime	3
IDS 350	Diversity in the United States	3
IDS 407	Global Challenges	3
LDRS 640	Principles of Civic Leadership	3
SOC 384	Social Problems	3
SOC 470	Grant Writing	3
SOC 472	Social Inequality	3

Certificate in Victim Advocacy

A total of 12 credits from...

Course Code	Course Title	Credits
CRJ 331	Criminal Procedure	3
CRJ 380	Topics: Victim Advocacy	3
CRJ 385	Victimology	3
CRJ 600	Internship	3
SOC 670	Grant Proposal Development	3

Master of Professional Studies: Criminal Justice

Master of Professional Studies (Criminal Justice): All courses for the Master of Professional Studies: Criminal Justice degree are available through the FHSU Online. Please consult with department chair, Dr. Tamara Lynn, regarding course availability in specific semesters in order to assemble a program of study.

MPS Core

Code	Course Title	Hours
CRJ 815	Advanced Criminological Theory	3
CRJ 820	Adv. Criminal Justice Research Methods	3
SOC 621	Advanced Sociological Research	3

Justice Studies Major Core

Code	Course Title	Hours
CRJ 810	Criminal Justice Systems, Policies and Practices	3
CRJ 855	Situational Ethics	3
CRJ 830	Advanced Administrative Practices	3

Cognates / Electives

Choose 3 courses from this list

Code	Course Title	Hours
CRJ 600	Internship in Criminal Justice	3
CRJ 605	Workplace Violence	3
CRJ 650	Justice in Modern Cinema	3
CRJ 660	Classic Readings	3
CRJ 665	Corporate Crime	3
CRJ 680	Violence in Society	3
CRJ 675	Seminar in Justice Studies	3

Project - 3 hours

Code	Course Title	Hours
CRJ 885 ***OR***	Advanced Research Project	3
IDS 820	Projects in Liberal or Professional Studies	3

Course Listing - Department of Criminal Justice

Undergraduate Credit

100 Workshop in Criminal Justice (1-3) This is a variable topics course meant to facilitate the delivery of course credit attached to training programs and other continuing education sessions deemed to be of sufficient academic rigor as to justify the offering of academic credit.

101 Introduction to Criminal Justice (3) A survey of the process for managing and controlling crime and criminal offenders across the criminal justice system, including law enforcement, courts, and corrections.

200 Criminology (3) A survey of the causes and effects of criminality and of the means taken to cope with criminal behavior. Emphasis on the social context of crime, with special attention given to economic and political factors. Requisites: PR or CR, CRJ 101.

215 Technical & Report Writing (2) This course expands students' basic writing skills while developing the skills needed to write effective reports across the criminal justice system. Emphasis will be placed on technical report writing in all three major areas of criminal justice, including law enforcement, corrections, and courts, as well as on scientific writing in the discipline. Requisite: PR: CRJ 101.

220 Introduction to Law Enforcement (3) This course provides a basic understanding of a career in law enforcement at the local, state, and federal levels, including an examination of the art of police work and the difficulties and problems officers face as they go about their complex duties. Further evaluation includes the discussion of management, police-community relations, contemporary problems and an examination of the history and the future of law enforcement. Requisites: PR, CRJ 101, CRJ 200.

225 Digital and Cyber Crime (3) This course is designed to familiarize students with issues related to crime and responses to crime occurring in the digital/online domain. Requisites: PR, CRJ 101 and CRJ 200.

241 Introduction to Corrections (3) This course provides students an introduction to the treatment of criminal offenders in the U.S., including sentencing structures, jails, community corrections, probation/parole, and prisons, and the duties of correctional personnel. Requisites: PR; CRJ 101, CRJ 200.

245 Ethics in Criminal Justice (3) This course engages students in a critical examination of ethical issues arising in the criminal justice system in areas such as policing, corrections, and the courts. PR: CRJ 101.

250 Administration of Justice Systems (3) An analysis of administrative theory and practice as it relates to justice agencies. Emphasis will be placed on organization and function. Law enforcement, corrections, and the courts will be viewed both from a systems approach, as well as individual components of the larger justice system. Requisites: PR; CRJ 101.

265 Juvenile Justice (3) A survey of approaches, theoretical and applied, for understanding delinquency and processes of the juvenile justice system. Practical components include the examination of law enforcement, courts, and correctional approaches to managing juveniles. Requisites: PR; CRJ 101, CRJ 200.

275 Crime and Society (3) This course is a study of the impact specific programs and policies have on the criminal justice system in the United States. It includes identifying effective ways to enact planned change through program creation, monitoring, and assessment, examination of current issues and approaches to policy within the criminal justice system, analyzing current and empirical criminological evidence on these topics, and identifying and developing appropriate responses to specific concerns within the criminal justice system. PR: CRJ 101, CRJ 200.

305 Corporate Crime and Deviance (3) This course examines and analyzes organized crime and efforts to control it. Attention is paid to criminal organizations, including but not limited to government agencies, corporations, and corrupt individuals. Requisites: PR; CRJ 101, CRJ 200.

310 Comparative Justice Systems (3) This course examines the operation of contemporary criminal justice systems under various cultural contexts. Of particular concern will be social, economic, political, and ideological forces which have impacted the various justice systems in place in the world today. Potential areas of conflict and cooperation between and among systems will be examined. Requisites: PR; CRJ 101, CRJ 200.

315 Private Security (3) This course examines security planning. Specifically, students will evaluate differences between proactive versus reactive security measures, as well as differences between the public versus private sectors for controlling crime. Requisites: PR, CRJ 101, CRJ 200.

325 Law Enforcement in the Community (3) This course examines and analyzes how law enforcement responds to crime. Specifically, consideration is given to procedural justice and Community-Oriented Policing and Problem-Solving (COPPS). Requisites: PR; CRJ 101, CRJ 200.

330 Cultural Criminology (3) This course explores the intersection between crime and symbolism that results from understanding culture, critical criminological theories, the media, popular culture, social class and social control. Requisite: PR; CRJ 101, CRJ 200.

331 Criminal Law (3) Provides an examination of criminal law in the U.S. Specifically, students will evaluate differences between Constitutional law and substantive versus procedural law. Students will explore types of offenses, concepts of criminal responsibility and criminal defense. Requisites: PR, CRJ 101, CRJ 200.

335 Civil Liability (3) The course examines and anlyzes issues related to civil liability as it pertains to agencies across the criminal justice system. Requisites: PR; CRJ 101, CRJ 200.

340 Gender, Race and Inequality in Criminal Justice (3) This course examines the social construction of race/ethnicity, gender and social class in crime and crime control, with a special focus on issues of inequality within the United States. PR; CRJ 101, CRJ 200.

345 Community Corrections (3) This course provides a review of probation, parole, and community corrections. Specifically, students will evaluate approaches for managing offenders in the community. Requisites: PR; CRJ 101, CRJ 200.

350 Drugs and Society (3) This course explores issues related to drug and alcohol use. Specifically, students will evaluate the impact that drugs have on society, criminalization, decriminalization, and legalization of drugs, and the criminal justice responses to drug use. Requisites: PR, CRJ 101, CRJ 200.

355 Criminal Investigation (3) This course explores elements and advanced features of criminal investigation, including duties and responsibilities of investigators throughout the process of an investigation. Requisites: PR, CRJ 101, CRJ 200.

365 Women and Crime (3) This course explores issues related to women as offenders, victims and professionals working in the criminal justice system. PR; CRJ 101, CRJ 200.

370 Terrorism (3) This course explores the historical and theoretical foundations of terrorism as defined by various types and motivations associated with such criminal acts and behaviors. Requisites: PR, CRJ 101, CRJ 200.

375 Serial Predators (3) This course explores the field of behavioral evidence analysis, referred to as criminal profiling, as it applies to understanding repeat and violent offenders. Requisites: PR, CRJ 101, CRJ 200.

380 Topics in Criminal Justice + (1-6) This course provides knowledge related to various aspects of criminal justice, related to a topic not noramlly covered in the regular major curriculum. Requisites: PR; CRJ 101, CRJ 200.

385 Victimology (3) The course examines the historical, t theoretical, methodological, and practical aspects and applications of the victim's role in the justice system and the demand for victim advocacy. Requisites: PR, CRJ 101, CRJ 200.

390 Sex Crimes (3) The course will explore the patterns and behaviors of sexual deviancy and the investigative practices, issues of victimology, and victim-assistance procedures relative to sex crimes. Requisites: PR, CRJ 101, CRJ 200.

399 Criminal Justice Research (3) This course examines and evaluates research across the criminal justice system. Students evaluate various methods and approaches for conducting criminal justice research. Requisites: PR, CRJ 101, CRJ 200, CRJ 215, CRJ 245.

499 Capstone Seminar in Criminal Justice (3) This course engages students in discussion and research related to the major curriculum and related course work. The course integrates and critically analyzes the student's previous learning experiences through research, evaluation, and presentation of important justice related issues. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, CRJ 310, CRJ 399.

Undergraduate/Graduate Credit

600 Internship in Criminal Justice + (1-3) This experience involves a minimum of 150 contact hours in a position that affords the student the opportunity to learn practical applications in a law enforcement, correctional, or court services type of setting.
Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250

605 Workplace Violence (3) The course will focus on crime within the various workplaces and not on crimes committed in public places. Factors involved in developing criminal profiles are emphasized in the student's gaining an appreciation of victimology, including the correlation of management practices and the use of policy in reducing violence. Leadership and organizational dynamics will be seen to have a direct impact on risk factors and reasons why employees report or do not report harassment, physical attacks or verbal abuse. Potential proactive solutions will be addressed. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, JR/SR Standing, GR Standing.

650 Justice in Modern Cinema (3) Examines the depiction of crime in film from philosophical and motivational perspectives. This course explores the complexities and causal factors that contribute to the commitment of criminal acts as seen through the eyes of film makers. The course will examine the depiction of multiple types of crime, including but not limited to: organized crime, war crimes, hate crimes, as well as the concept of victimology. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, JR/SR Standing, GR Standing.

660 Classic Readings (3) A survey of readings which fall into the category of "classic thought" in the field of justice. Both whole original works and research studies will be considered. Particular attention is given to readings which have had significant impacts on leadership thought into the 21st century work environment. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, JR/SR Standing, GR Standing

665 Corporate Crime (3) The study of contemporary examples of corporate and white collar criminal activity. This includes the study of both popular and factual accounts on record and in the media. The student will examine explanations, theories, and accounts along with corporate crime's investigation, adjudication, and regulation. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, JR/SR Standing, GR Standing.

670 Independent Study in Criminal Justice (1-3)
Reading and/or research programs to fit the individual needs of advanced undergraduate and graduate students in the social sciences. Topics are chosen in consultation with a faculty advisor. Requisites: PR, CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 399

675 Seminar in Criminal Justice (3) Topics designed for upper-division and graduate students to reflect advanced study in a justice studies core area, or to examine, in an advance sitting, an issue or topic of relevance to justice studies and its tangent fields. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, JR/SR Standing, GR Standing.

680 Violence in Society (3) This course will explore the theories, types and explanations for violence in contemporary society. A sociological perspective will be used to analyze and discuss both criminal and noncriminal forms of violence present in society. Requisites: PR; CRJ 101, CRJ 200, CRJ 215, CRJ 245, CRJ 250, JR/SR Standing, GR Standing

810 Criminal Justice Systems, Policies & Practices (3)
This seminar provides for the analysis, evaluation and summation of issues relevant to the fundamental operation of criminal justice organizational entities. The police, corrections, and courts will be viewed from a systems perspective, as part of an integrated whole. Requisites: PR; GRAD standing.

815 Advanced Criminological Theory (3) This seminar provides for the exploration of contemporary theories of human behavior of both a criminal and deviant nature. Behavioral explanations will be examined from both a positivist and classical framework. Significant attention will be paid to theoretical integration of topics and issues from several disciplines. This interdisciplinary orientation makes the course ideal for the Master of Liberal Studies student.
Requisites: PR; GRAD standing.

820 Advanced Criminal Justice Research Methods (3)
Study of quantitative research methodology in justice studies. Emphasizing experimental and quasi-experimental design, this course focuses on designing the experiment, collecting the data and interpreting the results. Requisites: PR; GRAD standing.

830 Advanced Administrative Practices (3) This course is an advanced study of the organization, management, and administration of criminal justice agencies. Topics include police administration in the political arena, organizational theory, police organizational structure, leadership, organizational communication, decision-making, performance evaluation, and organizational improvement. Requisites: PR; GRAD standing.

855 Situational Ethics (3) Intended to provide the student with a more broad-based experience than other subject specific offerings. This course will allow the student to analyze and discuss materials relevant to ethical dilemmas of contemporary importance in the criminal justice system, and the more broadly defined field of social justice. This course will be handled as a discussion intensive format type of offering. Requisites: PR; GRAD standing.

885 Advanced Research Project + (3) An advanced level project that can take the form of a research design, major paper, policy analysis, or other approved project requiring a great amount of self -directed work at a level commensurate with upper-division and/ or graduate credit. Requisites: PR; GRAD standing.

* General Education course
+ Course may be repeated
# Lab required
PERM: Permission, PR: Prerequisites

Department of English

For updated information, see our website at www.fhsu.edu/english.

The Department of English offers courses in writing, language, and literature. The study of English forms a cornerstone of a liberal arts education and will help you:

- Become an adaptable thinker, confident in your ability to determine your own path
- Learn to analyze, express, and understand information at a time when information literacy is an essential skill
- Know how to bring innovation and creativity to the workplace
- Acquire skills that employers are searching for, like critical thinking, creativity, and written/verbal communication

Because these skills are transferable to dozens of fields, earning a degree in English not only lets you explore your interests in writing, language, and literature, but will also give you extraordinary career flexibility.

Undergraduate Degrees

Bachelor of Arts: English (Teaching)
Bachelor of Arts: English (Literature)
Bachelor of Arts: English (Writing)
Bachelor of Arts: Global Business English

Graduate Degrees

Master of Arts: English
Master of Arts: English (TESOL)

Minors

English

English at FHSU:

Whether you focus your coursework on literature, teaching, or writing, studying English gives you the range of skills you'll need to thrive in a career…and in life:

- In-depth classes open your mind to new cultures and ideas through the classics of literature and works by contemporary authors
- You'll develop the ability to think critically, make reasoned decisions, and solve problems
- You'll heighten your ability to communicate verbally and in writing
- You'll hone your curiosity, giving you career agility to succeed in an increasingly complex global workplace and diverse society

Find your passion by planning service-learning projects, working on the award-winning student-run journal *Lines from the Middle of Nowhere,* or tutoring in the Writing Center.

Department of English Faculty & Staff

Chair: Eric Leuschner
Professors: Eric Leuschner, Cheryl Hofstetter Duffy, Sharla Hutchison, Pauline Scott, Brett Weaver
Associate Professors: Lexey Bartlett, Michael Meade, Bradley Will
Assistant Professors: Perry Neil Harrison, Jason Markins, Matthew Smalley
Instructors: Lisa Bell, Morgan Chalfant, Sharon Graham, Imelda Koenke, Linda McHenry, Camilo Peralta, Deborah K. Pfeifer, Linda E. Smith, Sharon Wilson
Lecturer: Jason Harper
Department Staff: Amy Richecky, *Senior Administrative Assistant*

See department page online for full listing

Bachelor of Arts: English (Literature)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	
GSCI 110 World Geography	3
HIST 111 Modern World Civilization	3
Humanities	9
Mathematical and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

English Core

A total of 21 credits from...

Course Code	Course Title	Credits
ENG 251	Survey of American Literature I	3
ENG 252	Survey of American Literature II	3
ENG 261	Survey of British Literature I	3
ENG 262	Survey of British Literature II	3
ENG 307	Intro to Literary Analysis & Theory	3
ENG 446	Advanced Composition	3
ENG 482	English Grammar	
ENG 099	Senior English Portfolio	0
	**Choose 3 hours from the following*	
ENG 125	World Literature and the Human Experience	3
ENG 126	Introduction to Literature	3
ENG 327	Literature Matters	3

Literature Core

A total of 18 credits from...

Course Code	Course Title	Credits
	**Choose 6 hours from the following*	
ENG 652	Studies in American Literary Periods	3
ENG 653	Studies in American Literary Genres	3
ENG 654	Major American Authors	3
ENG 655	Regional Literature of the United States	3
	**Choose 6 hours from the following*	
ENG 662	Studies in British Literary Periods	3
ENG 663	Studies in British Literary Genres	3
ENG 664	Major British Authors	3
	**Choose 3 hours from the following*	
ENG 625	Theories of Literature	3
ENG 691	Literature in Translation	3
ENG 693	Studies in World Literature	3
ENG 694	Studies in Folklore and Mythology	3
ENG 695	Comparative Studies in Literature	3
	**Choose 3 hours from the following*	
ENG 482	English Grammar	3
ENG 680	Introduction to Linguistic Science	3
ENG 683	History of the English Language	3
ENG 685	Studies in English Grammar	3

Electives

A total of 16 credits from...

Free Electives	16 credits

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: English (Writing)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	
GSCI 110 World Geography	3
HIST 111 Modern World Civilization	3
Humanities	9
Mathematical and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

English Core

A total of 21 credits from...

Course Code	Course Title	Credits
ENG 251	Survey of American Literature I	3
ENG 252	Survey of American Literature II	3
ENG 261	Survey of British Literature I	3
ENG 262	Survey of British Literature II	3
ENG 307	Intro to Literary Analysis & Theory	3
ENG 446	Advanced Composition	3
ENG 099	Senior English Portfolio	0
	**Choose 3 hours from the following*	
ENG 125	World Literature and the Human Experience	3
ENG 126	Introduction to Literature	3
ENG 327	Introduction to Fiction	3

Writing Core

A total of 21 credits from...

Course Code	Course Title	Credits
COMM 345	Visual and Creative Design	3
ENG 385	Professional Editing	3
ENG 448	Writing Internship	3

Writing Core continued...

Course Code	Course Title	Credits
	**Choose 15 hours from the following*	
ENG 146	Introduction to Creative Writing	3
ENG 346	Advanced Creative Writing	3
ENG 447	Community-Based Writing	3
ENG 449	Writing for Publication	3
ENG 482	English Grammar	3
ENG 602	Topics in Writing	3
ENG 603	Technical and Professional Writing	3
ENG 648	Theories of Rhetoric & Composition	3
ENG 675	Playwriting / Screenwriting	3
ENG 680	Introduction to Linguistic Science	3
ENG 683	History of the English Language	3
ENG 685	Studies in English Grammar	3

Electives

A total of 13 credits from...

Free Electives	13 credits	
	Non-English Electives (Optional)	
BCOM 301	Business Communication	3
COMM 347	Advertising	3
COMM 348	Public Relations	3
COMM 620	News Practicum - Reporting & Editing	3
HIST 379	Historical Methods	3
INF 622	Feature Writing	3
INF 624	Media Continuity Writing	3
INF 625	Advanced Digital Journalism	3
SOC 670	Grant Proposal Development	3

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: English (Teaching)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	
GSCI 110 World Geography	3
HIST 111 Modern World Civilization	3
Humanities	9
Mathematical and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

English Core

A total of 21 credits from...

Course Code	Course Title	Credits
ENG 251	Survey of American Literature I	3
ENG 252	Survey of American Literature II	3
ENG 261	Survey of British Literature I	3
ENG 262	Survey of British Literature II	3
ENG 307	Intro to Literary Analysis & Theory	3
ENG 446	Advanced Composition	3
ENG 099	Senior English Portfolio	0
	**Choose 3 hours from the following*	
ENG 125	World Literature and the Human Experience	3
ENG 126	Introduction to Literature	3

Literature Core

A total of 18 credits from...

	**Choose 6 hours from the following*	
ENG 652	Studies in American Literary Periods	3
ENG 653	Studies in American Literary Genres	3
ENG 654	Major American Authors	3
ENG 655	Regional Literature of the United States	3

Literature Core

A total of 18 credits from...

Course Code	Course Title	Credits
	**Choose 6 hours from the following*	
ENG 662	Studies in British Literary Periods	3
ENG 663	Studies in British Literary Genres	3
ENG 664	Major British Authors	3
	**Choose 3 hours from the following*	
ENG 625	Theories of Literature	3
ENG 691	Literature in Translation	3
ENG 693	Studies in World Literature	3
ENG 694	Studies in Folklore and Mythology	3
ENG 695	Comparative Studies in Literature	3
	**Choose 3 hours from the following*	
ENG 680	Introduction to Linguistic Science	3
ENG 683	History of the English Language	3
ENG 685	Studies in English Grammar	3

Teacher Education Requirements

A total of 43 credits from...

ENG 482	English Grammar	3
ENG 497	Young Adult Literature	3
ENG 277	Early Field Experience: English Ed.	1
ENG 415	Techniques of Teaching English	3
ENG 648	Theories of Rhetoric and Compositions	3
ENG 497	Young Adult Literature	3
TECS 301	Intro to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	Secondary School Experience	3
TESS 496	Student Teaching Secondary	12

Totals

A total of 147 credits from...

University Requirements	65
Department Requirements	82
Total	**147**

Bachelor of Arts: Global Business English

University Degree Requirements

A total of 65 credits from:

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	10

Global Business English Core

A total of 27 credits from...

Course Code	Course Title	Credits
GLE 104	Introduction to Global Business English	3
GLE 201	Critical Thinking for the Professional	3
GLE 290	Listening and Conversation for Global	3
GLE 300	Business & Professional Presentations	3
GLE 320	Cross-Cultural Communication	3
GLE 340	Topics in Global English	3
GLE 360	Writing in the Professions	3
GLE 380	Global and Social Networking	3
GLE 460	Approaches to Global English	3

Electives

A total of 6 credits from...

Course Code	Course Title	Credits
COMM 318	Intro to Organizational Communication	3
ENG 121	Language Skills in the Professions	3
ENG 385	Professional Editing	3
ENG 602	Topics in English	3
GLE 370	Translation and Interpretation I: English to Target Language	3
GLE 375	Translation and Interpretation II: Target Language to English	3
MLNG 410	Foreign Language Teaching Methods	3
SLP 318/318L	Accent Modification for International	2/1

Electives

A total of 22 credits from...

Free Electives 22 credits

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Minor in English

An English minor complements any program of study because it emphasizes reading, writing, and critical thinking. It marks you as a strong communicator—the number one quality employers in every field look for.

The minor requires 21 credit hours of courses (the sequence is not prescribed). Choose courses that meet your needs and interests. Some may count toward both the minor and general education requirements.

Master of Arts: English

The Department offers a Master's degree in English to take your studies to a deeper level. Depending on your needs, you can enroll in a traditional on-campus program or in the summer MA program for in-service teachers and other students needing a low-residency program. The requirements for both programs are the same; only the schedule differs.

Core Course:

Course Code	Course Title	Credits
ENG 826	Approaches to Graduate Studies in English	3
ENG 898	Graduate English Course Paper	0

Major Electives

Select a minimum of 27 hours from the following electives in consultation with advisor.

Course Code	Course Title	Credits
ENG 625	Theories of Literature	3
ENG 648	Theories of Rhetoric & Composition	3
ENG 652	Studies in American Literary Periods	3
ENG 653	Studies in American Literary Genres	3
ENG 654	Major American Authors	3
ENG 655	Regional Literature of the United States	3
ENG 656	Writing Conference	1-3
ENG 662	Studies in British Literary Periods	3
ENG 663	Studies in British Literary Genres	3
ENG 664	Major British Authors	3
ENG 674	Independent Projects	1-3
ENG 680	Introduction to Linguistic Science	3
ENG 681	Studies in Language and Linguistics	3
ENG 683	History of the English Language	3
ENG 684	Old English	3

Course Code	Course Title	Credits
ENG 685	Studies in English Grammar	3
ENG 691	Literature in Translation	3
ENG 692	Theme Studies in Literature	3
ENG 693	Studies in World Literature	3
ENG 694	Studies in Folklore and Mythology	3
ENG 695	Comparative Studies in Literature	3
ENG 810	Graduate Studies in Language and Linguistics	3
ENG 811	Graduate Studies in Composition and	3
ENG 812	Graduate Studies in Literature	3
ENG 813	Graduate Studies in English Pedagogy	3
ENG 830	Second Language Teaching Learning	3
ENG 875	Seminar	3
ENG 676	Apprenticeship in English	3
TOTALS		30

Master of Arts: English (TESOL)

Core Courses (18 hours)

Code	Course Title	Credits
ENG 826	Approaches to Graduate Studies in English	3
ENG 680	Intro to Linguistic Science	3
ENG 685	Modern Grammar and Usage	3
ENG 830	Second Language Teaching & Learning	3
ENG 813	Graduate Studies in English Pedagogy: TESOL	3
ENG 676	Apprenticeship in English	3
ENG 898	Graduate English Course Paper	0

Elective Courses (18 hours)

Course Code	Course Title	Credits
ENG 810	Graduate Studies in Language & Linguistics	3
ENG 811	Graduate Studies in Composition & Rhetoric	3
ENG 683	History of the English Language	3
ENG 648	Theories of Rhetoric & Composition	3
Various	Literature Seminars	
SLP 813	Assessment & Intervention	2
COMM 602	Intercultural Communication	3
COMM 603	General Semantics	3
AEP 839	Research Design (thesis option)	3
AEP 931/931L	Intermediate Statistics for Research	3

Course Listing - English

Language and Linguistics
Undergraduate Credit

100 English for International Students # (3) Prepares students for advanced English language competencies in reading, writing, speaking, and listening through the study of English grammar, mechanics, punctuation, vocabulary, and public speaking. Requisite: CR, ENG 103, English Language Laboratory.

103 English Language Laboratory + (3) Student acquisition of English language skills is augmented primarily through ESL computer software programs and instructor supervision in a tutorial learning environment. Requisites: PR, concurrent enrollment in ENG 100.

121 Language Skills in the Professions (3) A study of fundamental language skills (including vocabulary, spelling, grammar, punctuation, and sentence construction) within the context of modern professional usage.

482 English Grammar (3) An introduction to English grammar, including parts of speech categories, sentence structures, and morphology. Requisites: PR, ENG 102.

Undergraduate/Graduate Credit

680 Introduction to Linguistic Science (3) A beginning course in the synchronic and diachronic description and analysis of language. Requisites: PR, ENG 102.

681 Studies in Language and Linguistics + (3) A course in selected approaches to the study of language. Requisites: PR, ENG 102.

683 History of the English Language (3) The history of the English language from the 5th century to the present, including the development of prescriptive and descriptive grammars. Requisites: PR, ENG 102.

684 Old English (3) An introduction to the earliest form of our language. Notable selections of prose and poetry are read in Anglo -Saxon. Emphasis on language.

685 Studies in English Grammar + (3) A study of the various approaches to grammar and usage. Requisites: PR, ENG 101.

Graduate Credit

810 Graduate Studies in Language and Linguistics + (3) An intensive study in language and linguistics.

Rhetoric and Composition
Undergraduate Credit

012 Writing Studio (3) The study of basic writing with emphasis on the conventions and processes of academic writing. Students completing this course will have 3 credit hours added to the minimum degree requirements. Requisites: CO; ENG 101.

099 Senior English Portfolio (0) Graduating seniors will submit a portfolio that represents their best work related to their major and concentration as a culminating experience. Pass/No Credit.

101 English Composition I * (3) Study and application of rhetorical principles of writing with particular emphasis on analyzing and writing expository prose.

102 English Composition II * (3) Study of rhetorical principles of writing with particular emphasis on argumentation and research. Requisites: PR, ENG 101.

103 English Language Laboratory (3) Augments study of advanced English language skills through directed research, writing, and documentation activities, and through individualized tutorials.

146 Introduction to Creative Writing (3)
Introductory instruction and practice in various types of writing, such as fiction, poetry, and drama.

346 Advanced Creative Writing (3) Advanced instruction and practice in various types of writing, such as fiction, poetry, drama, and biography. Requisites: PR, PERM.

385 Professional Editing (3) This course is designed for students interested in refining their ability to edit their own and others' writing. Students will study copyediting, content editing, and visual editing to prepare their own writing for publication and/or to work as editors. Requisites: PR, ENG 102.

446 Advanced Composition (3) Advanced theory and practice in exposition and argumentation, emphasizing polish and style. Requisites: PR, ENG 102.

447 Community-Based Writing (3) Students will study and develop strategies to address different rhetorical situations in the community, applying professional writing principles and subject-area knowledge to nonacademic situations related to their civic, community, and professional interests. Requisites: PR, ENG 102.

448 Writing Internship (3) Students work with community and/or campus agencies to complete writing and/or editing tasks. Specified representatives of the agencies will determine and review students' writing and/or editing projects. Additionally, students will meet regularly as a class with the course instructor to discuss projects, offer progress reports, give presentations, and submit writing assignments. PR, ENG 446.

449 Writing for Publication (3) Students will study diverse avenues and methods of publication, the preparation of their own writing for publication, and publishing the works of others. Students' primary goal will involve submitting their work for publication. Requisites: PR, ENG 446.

Undergraduate/Graduate Credit

602 Topics in Writing + (3) An in-depth study of a particularly topic in Writing not dealt with in the regular curriculum. FHSU Online courses offered under this number count for teacher recertification, or for the BGS or MLS degrees.

603 Technical and Professional Writing (3) An introduction to technical and professional writing, this course is appropriate for students in all academic disciplines who wish to write with precision. Requisites: PR, ENG 102.

648 Theories of Rhetoric and Composition (3) Intensive study of classical and modern theories of rhetoric and the application of these theories to composition practices and pedagogy. Requisites: PR, ENG 102.

656 Writing Conference + (1-3) Directed experience in specific types of writing to be chosen by the students in consultation with the instructor. Requisites: PR, ENG 101 and 102.

675 Playwriting/Screenwriting + (3) Variable topics providing the opportunity to learn and practice the craft of writing dramatic scripts for the theatre and motion pictures.
Graduate Credit

811 Graduate Studies in Composition and Rhetoric + (3) An intensive study in composition and rhetoric.

898 Graduate English Course Paper (0) The English Master of Arts student must submit an approved course paper written to fulfill requirements in a graduate English course, demonstrating graduate-level competence in research and/or critical writing. Pass/No Credit.

American Literature
Undergraduate Credit

251 Survey of American Literature I (3) A survey of American literature from the beginnings to the Civil War.
Requisites: PR, ENG 102.

252 Survey of American Literature II (3) A survey of American literature from the Civil War to the present. Requisites: PR, ENG 102.

Undergraduate/Graduate Credit

652 Studies in American Literary Periods + (3) A study of American literature in selected periods. PR, ENG 307 or PERM.

653 Studies in American Literary Genres + (3) Studies in American Literary Genres. Requisites: PR, ENG 307 or PERM.

654 Major American Authors + (3) A study of selected American authors. PR, ENG 307 or PERM.

655 Regional Literature of the United States + (3) A study of selected American regional literature. PR, ENG 307 or PERM.

British Literature
Undergraduate Credit

261 Survey of British Literature I (3) A survey of British literature from Beowulf to the Romantic Period.
Requisites: PR, ENG 102.

262 Survey of British Literature II (3) A survey of British literature from the Romantic Period to the present. Requisites: PR, ENG 102.

Undergraduate/Graduate Credit

632 Early British Novels (3) Focuses on understanding both the history and origins of the English novel by careful reading and study of selected novels of the eighteenth and early nineteenth-century by authors such as Samuel Richardson, Henry Fielding, Walter Scott and Jane Austen. Requisites: PR, ENG 102 and completion of any introductory literature course.

662 Studies in British Literary Periods + (3) A study of British literature in selected. Requisites: PR, ENG 307 or PERM.

663 Studies in British Literary Genres + (3) A study of selected British literary genres. Requisites: PR, ENG 307 or PERM.

664 Major British Authors + (3) A study of selected British authors. PR, ENG 307 or PERM.

General and Comparative Literature
Undergraduate Credit

125 World Literature and the Human Experience* (3) A study of literature as a vehicle for giving enduring form to the perception of universal themes basic to the human condition, such as conformity, rebellion, society, initiation, love, morality, and death.

126 Introduction to Literature (3) A study of the short story, drama, poetry, and the novel as expressions of the human quest for meaning and understanding with emphasis on close reading and critical analysis of literary texts.

307 Introduction to Literary Analysis and Theory (3) A study of the principles of literary theory and terminology and their careful application to close reading, analysis, discussion, and written response to the major genres. Requisite: PR, ENG 102.

327 Literature Matters* (3) A course in the art of narrative and the ways in which two major fictional forms--the short story and the novel--offer ways of viewing and understanding universal human concerns and experiences.

497 Young Adult Literature (3) A study of literature and reading materials suitable for middle school and high school students.

Undergraduate/Graduate Credit

601 Topics in Literature + (1-3) An in-depth study of a particular topic in English not dealt with in the regular curriculum. FHSU Online courses offered under this number count for teacher recertification, or for the BGS or MLS degrees. Requisites: PR, ENG 102 and any introductory literature course.

625 Theories of Literature + (3) A study of the most important theories of literature from Aristotle to the present. Requisites: PR, ENG 307

630 Nature Writing (3) Nature Writing traces historical and socio-political origins of the genre, provides research and field study opportunities, and guides students as they write their own reflective, natural history essays. The course provides a venue to explore the ways humans view nature, using writings about the natural world as a catalyst to question the relationship between people and nature. Requisites: PR, any introductory literature course and completion of ENG 102.

631 Literature, Sustainability, and the Natural World (3) Literature, Sustainability, and the Natural World is a study of environmental literature with emphasis on sustainability, the natural world, and the relationship between human action and environmental consequence. Requisites: Any introductory literature course and completion of ENG 102.

691 Literature in Translation + (3) A study of literature in English translation. Requisites: PR, ENG 307 or PERM.

692 Theme Studies in Literature + (3) A study of selected social, cultural, and intellectual themes in literature. Requisites: PR, ENG 307.

693 Studies in World Literature (3) A study of selected works from world literature in English or in translation. Requisites: PR, ENG 307.

694 Studies in Folklore and Mythology + (3) A study of folklore or mythology. PR, ENG 307 or PERM.

695 Comparative Studies in Literature + (3) A comparative study in literature that crosses national or geographic boundaries. Requisites: PR, ENG 307 or PERM.

Graduate Credit

812 Graduate Studies in Literature + (3) An intensive workshop study in literature.

826 Approaches to Graduate Studies in English (3) A survey of the major disciplines of graduate study in English and practice in primary research methodologies and genres. Required of graduate students.

875 Seminar + (3) A seminar study of a selected subject.

Pedagogy
Undergraduate Credit

277 Early Field Experience: English Education (1) Designed to provide students who plan to teach English in middle school or high school with an observation experience. Pass/No Credit.

415 Techniques of Teaching English (3) Special attention is devoted to theme evaluation, unit construction, and current techniques and materials available in dealing with students of diverse abilities.
Requisites: Admission to Teacher Education required.

Undergraduate/Graduate Credit

676 Apprenticeship in English + (0-3) Course provides practical experience in the teaching and administration of composition and literature. Appropriate subtitle will be added to reflect the specific course substance. Requisites: PERM of department chair.

Graduate Credit

813 Studies in English Pedagogy + (3) An intensive study in English pedagogy at the secondary or college level.

830 Second Language Teaching Learning (3) A study of theories and principles of English language teaching, second language acquisition, and a review of various methods and approaches used in language teaching, leading to an understanding of the learning process.

Individual Studies
Undergraduate/Graduate Credit

674 Independent Projects + (1-3) Requisites: PERM of instructor and department chair.
Graduate Credit

874 Culminating Experience (3) This independent study is used for the culminating experience of the Master of Liberal Studies Literary Arts degree. This course IS NOT APPLICABLE for the MA in English degree.

899 Thesis (1-6)

890 Continuing Graduate Research (0) This is a non-credit course required of all graduate students in the Department of English in the fall term. In this course, students review all requirements for the MA in English and report on their progress, with special emphasis given to research projects.

Global Business English (GLE)
Undergraduate Credit

104 Introduction to Global Business English (3) This course studies the English language in written, oral, and digitized forms, especially for cross-cultural uses in global business and professional environments.

201 Critical Thinking for the Professional (3) This course aims at developing three types of skills: skills in reasoning from the known to the previously unknown, skills in evaluating the reasoning of others, and skills in communicating this reasoning and evaluating to others.

290 Listening and Conversation for Global Business (3) This course covers basic principles and practices of effective interaction through listening and applies those principles and practices within the art of spontaneous and contextually appropriate discourse in an expanding global and digital culture. Requisites: PR, ENG 102 and PERM.

300 Business and Professional Presentations (3) This course focuses on digitally enhanced presentations in global business and professional contexts that requires web-based speaking, writing, and presentation skills. Requisites: PR, ENG 102 and PERM.

320 Cross-Cultural Communication (3) With an Applied Linguistics approach, this course provides students with introductory knowledge and skills that will help them interact successfully with people from other global cultures and within their own culture. Requisite: ENG 102 and PERM.

340 Topics in Global English (3) This variable content course will be used especially to strengthen the working vocabulary and understanding of the social and professional contexts within which that vocabulary and style of communication is used.
Requisites: PR, ENG 101 and PERM.

350 Language Arts for Success (3) This course focuses on the effective use of language arts – listening, conversing, reading, and writing – for academic and professional use of language arts.

360 Writing in the Professions (3) The student will develop an understanding of the different types of writing found in varying professions and will develop skills in producing clear and effective professional documents in a global, cross-cultural context.
Requisites: PR, ENG 102 and PERM.

370 Translation and Interpretation I (3) This course introduces students to the fundamental skills of translation and interpretation of English to the Target Language. Designed to enhance bilingual proficiency and cross-cultural communication abilities.
Requisites: PR, Intermediate level foreign language.

375 Translation and Interpretation II (3) This course introduces students to the fundamental skills of translation and interpretation of Target Language to English. Designed to enhance bilingual proficiency and cross-cultural communication abilities. Requisites: PR, Intermediate level foreign language.

380 Global and Social Networking (3) This class explores the effective utilization of social networking tools for business and professional use, develops skills in using them, practices the writing, reading, speaking, and listening appropriate in the use of these tools, and reflects upon the changes attendant with global networking. Requisites: PR, ENG 102 and PERM.

460 Approaches to Global English (3) This capstone course focuses on diagnosing areas of weakness and then strengthening the use of Global Business English language and critical thinking skills in professional and social contexts important to students' future life and work goals. Requisites: PR, ENG 102 and PERM.

Undergraduate / Graduate Credit

604 Advanced Global Business English (3) A course in advancing and mastering key skills associated with the discipline and profession of Global Business English, with global, cultural understanding being key for this course. Requisites: PR, BCOM 301, GLE 104, PERM.

Department of History

For more information on the department of history, visit www.fhsu.edu/history/

Historians explore people and societies and try to see how and why they developed in the ways they have. Historians fearlessly drop their assumptions to interpret the causes and effects surrounding the people and cultures they study. And because they can demonstrate extraordinary critical thinking skills and passionate inquiry, history majors are often extremely attractive to future employers and find careers in a variety of fields.

Undergraduate Degrees

Bachelor of Arts: History

Bachelor of Arts: History (Teacher Education)

Graduate Degrees

Master of Arts: History

Master of Arts: Public History

Minors

Minor in History

History at FHSU:

The Department of History at Fort Hays State University emphasizes a world-view of human development and prepares students for the world beyond college. In addition to taking fascinating, in-depth courses, you'll gain the practical skills of critical thinking, analysis, tolerance, objectivity, research, and communication to make you a well-rounded and successful graduate.

We believe history is best learned both in and out of the classroom. Our **history curriculum helps you develop leadership skills and gain valuable hands-on experience**; upon graduation you'll be a **marketable employee prepared to meet the future challenges in this century**. The department also offers avenues for you to become involved through a wide variety of clubs and organizations, whether you are interested in US history or in gaining a broader aspect of the world's past through world history.

About the Banner Image Above

The image above portrays details from a larger piece by artist Kris Kuksi. The department commissioned this piece, with each department member suggesting an important historical figure or event. You can see the full painting in the Department of History's library.

Department of History Faculty & Staff

Chair: Dr. Paul Nienkamp

Professors:

Associate Professors: Dr. Paul Nienkamp, Dr. Kim Perez

Assistant Professors: Dr. Juti A. Winchester Dr. Marco Macias, Dr. Daniel McClure

Instructors: Hollie Marquess

FHSU Online Faculty: Dr. David Bovee, Katherine Cobo, Chris Dinkel, Dr. Joshua Haar, Dr. Douglas Harvey, Dr.. John Mack, Chris Powers, Maxwell J. Kutilek

Department Staff: Oveta Ford, *Senior Administrative Assistant;*

See department page online for full listing

Bachelor of Arts: History

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	
ENG 125 World Literature & the Human Experience	3
HIST 111 Modern World Civilization	3
Humanities (three electives)	9
Mathematics and Natural Sciences	10
(three electives, one laboratory)	
Social and Behavioral Sciences	
ECFI 202 Principles of Economics: Macro	3
POLS 101 American Government	3
SOC 140 Introduction to Sociology	3
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

History Core

A total of 19 credits from...

Course Code	Course Title	Credits
HIST 099	Senior Assessment	0
HIST 100	Orientation to History	1
HIST 110	World Civilization to 1500	3
HIST 111	Modern World Civilization	3
HIST 130	United States History to 1877	3
HIST 131	United States History Since 1877	3
HIST 379	Historical Methods	3
HIST 675	Seminar in History	3

History Electives

A total of 30 credits from...

Upper-division electives in United States History	12
Upper-division electives in European History	9
Upper-division electives in World History	9

Free Electives

A total of 8 credits from...

Free Elective Courses	6

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: History (Secondary Education)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	
ENG 125 World Literature & the Human Experience	3
HIST 111 Modern World Civilization	3
Humanities (three electives)	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
ECFI 202 Principles of Economics: Macro	3
POLS 101 American Government	3
SOC 140 Introduction to Sociology	3
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

*History majors seeking licensure to teach in Kansas are required to take ONE of the following courses:

Course Code	Course Title	Credits
IDS 300	Economic Ideas and Current issues	3
IDS 402	U.S. Human Geography	3
IDS 499	Global Environmental Issues	3

History Core

A total of 15 credits from...

Course Code	Course Title	Credits
HIST 099	Senior Assessment	0
HIST 110	World Civilization to 1500	3
HIST 111	Modern World Civilization	3
HIST 130	United States History to 1877	3

History Core Continued...

HIST 131	United States History Since 1877	3
HIST 377	Approaches to U.S. History	3
HIST 378	Approaches to World History	3
HIST 675	Seminar in History	3

History Electives

A total of 24 credits from...

Upper-division electives in United States History	12
Upper-division electives in European History	3
Upper-division electives in World History	3
Upper-division electives in European World History	6

Cognates

Course Code	Course Title	Credits
POLS 103	State and Local Government	3
POLS 230	Introduction to International Studies	3
	Two Political Science electives	6

Teacher Education Requirements

A total of 27 credits from...

Course Code	Course Title	Credits
HIST 277	Early Field Experiences: Social Studies	3
HIST 479	Methods of Teaching Social Studies	3
TECS 290	Intro. to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	3
TESS 496	Student Teaching Secondary	3

Totals

A total of 124 credits from...

University Requirements	68
Department Requirements	92
Total	**160**

Minor in History

Minor in History

A total of 21 credits from...

Course Code	Course Title	Credits
HIST 110	World Civilization to 1500	3
HIST 111	Modern World Civilization	3
HIST 130	United States History to 1877	3
HIST 131	United States History from 1877	3
HIST 379	Historical Methods	3
Electives	History, upper-division courses	9

Historical Methods, HIST 379, is required for completion of this degree. This course must be completed before taking any upper level courses. Any exception to this requires approval of the Chair of the Department of History.

Master of Arts: History

Master of Arts in History with Thesis

1. Total of 30-33 hours of course work at the 600 level or above
2. Advance Historical Methods for students who have not taken Historical Methods as an undergraduate.
3. One (1) seminar (Hist. 675), approved by the Graduate Advisor, in which the student will write a major research paper.
   To remain in this program the student must pass the seminar with a grade of A or B. Any changes to this requirement must be approved by the Graduate Advisor and the Graduate Committee.
4. Historiography (Hist 879) - 3 credit hours
5. Electives in history: 18 credit hours
   No more than 6 hours of Readings, Independent Study or Workshop courses. Readings and Independent Study may only be taken in areas in where the student has had adequate prior preparation such as a lecture course in the area. All courses of this nature require approval of the Graduate Advisor.
6. Satisfactory performance on Comprehensive Examination
   - The Comprehensive Examination shall be a four-hour written exam taken when the student has finished required coursework. The Graduate Advisor will determine the date.
   - A committee chosen from those faculty members from whom the student has taken graduate courses will determine the nature of the questions. The Graduate Advisor will serve as chair of the committee.
   - The examination will be written.
   - If a student receives passing marks on a majority of the examination questions, the Graduate Advisor will notify the Graduate School of successful completion.
7. Thesis (Hist.899)-6 credit hours
   - Identify a thesis advisor in consultation with the Graduate Advisor.
   - Prepare a prospectus and schedule a meeting of the thesis committee. The prospectus MUST consist of:
     - A description of the thesis containing the purpose, hypothesis, and discussion of methodology
     - A tentative bibliography
     - A tentative outline

Master of Arts in History without Thesis

1. Total of 30-33 credit hours in History at the 600 level or higher.
2. Advanced Historical Methods for students who have not taken Historical Methods as an undergraduate.
3. Historiography (Hist 879) - 3 credit hours
4. **Two** seminars - 6 credit hours - in which the student will write major research papers. The student must pass with a grade of A or B.
5. Electives in History - 21 credit hours

Satisfactory performance on the Written Comprehensive Exam as outlined in 5-1 of the Thesis option, except that exam length shall be 8 hours.

6. Submission of **one** approved copy of the best graduate paper to the Graduate Advisor demonstrating the student's ability to conduct research.

Master of Arts: History (Public History)

Thesis Option

Requirements are the same as Master of Arts: History thesis option except students are required to take:

Course Code	Course Title	Credits
HIST 602	Introduction to Public History	3
HIST 601	Topics in Public History	
Electives	Additional hours in Public History	6
HIST 879	Historiography	3
HIST 675	Seminar in History	3
Electives	Additional hours of History	6
HIST 899	Thesis	6

Non-Thesis Option

Requirements are the same as Master of Arts: History non-thesis option except students are required to take:

Course Code	Course Title	Credits
HIST 602	Introduction to Public History	3
HIST 601	Topics in Public History	
Electives	Additional hours in Public History	9
HIST 879	Historiography	3
	Two seminars in History	6
Electives	Additional hours of History	6

Department of History - Course Listing

Undergraduate Credit

099 Senior Assessment (0) Graduating seniors in the department must enroll in this course during the final semester of their program. Course requires students to a) complete a no-credit, no-fault content assessment exam, b) complete an exit survey, and c) participate in an exit interview with the department chair or chair-appointed faculty member. Requisites: PR, Final Semester of Program.

100 Orientation to History (1) This course is an introductory course for history majors which introduces students to the fundamental concepts, activities, and approaches to the historical profession. This course is intended to provide a rationale for the study of history, as well as practices that will help students to integrate knowledge, meaning, and interpretations.

110 World Civilization To 1500* (3) An introductory survey of the major political, economic, social, and cultural developments in world civilizations from their beginnings in the river valleys of the ancient Near East and Asia to the 16th century.

111 Modern World Civilization* (3) An introductory survey of the major political, economic, social, and cultural developments in world civilization from approximately 1500 C.E. to the modern day.

130 United States History To 1877* (3) An introductory survey of the major political, economic, social, and cultural developments in United States history to 1877.

131 United States History Since 1877* (3) An introductory survey of the major political, economic, social, and cultural developments in United States history since 1877.

277 Early Field Experiences: Social Studies Education (1) Designed to provide prospective teachers of social studies at the secondary level with an observation and participation experience. Requisites: Pass/No Credit; PERM.

300 Topics in History—Undergraduates (3) Courses may cover a single broad development or one important event. Title indicates study and emphasis in schedule of classes. Course level is specifically for undergraduate students.

350 Latin American Civilization (3) A study of the pre-Columbian civilizations of the new world, the Spanish and Portuguese civilizations which conquered them, and the compromise civilizations which emerged.

360 Asian Civilization (3) A survey of traditional civilizations of China, Japan, and India, emphasizing religious and social developments.

373 American Military History (3) A survey of American military history which emphasizes the relationship between the military and non-military sectors of society.

374 The Second World War (3) A study of the major military, political, and diplomatic aspects of the Second World War, with emphasis on the impact of the war on civilian populations, on the changing nature of warfare, and on the ideological aspects of the conflict.

377 Approaches to U.S. History (3) A chronological and topical survey of critical aspects of United States history. Building on basic knowledge acquired in the two U.S. History surveys, students will develop comprehensive critical thinking and writing skills through the use of primary documents and independent research projects.

Requisites: PR, HIST 130 and HIST 131.

378 Approaches to World History (3) A chronological and topical survey of critical aspects of world history. Building on basic knowledge acquired in the two world history surveys, students will develop comprehensive critical thinking and writing skills through the use of primary documents and independent research projects. Requisites: PR, HIST 130 and HIST 131.

379 Historical Methods (3) Acquaints students of history with major philosophical concepts and problems underlying their discipline and directs them through the steps of historical research methods to the final product of publication. Required of majors.

380 African Civilization (3) A survey of African civilizations from earliest times to the rise of an independent Africa. Stress is placed on social institutions, culture, and regionalism.

390 Middle Eastern Civilization (3) A survey of the history of the Muslim Middle East from Muhammad to the rise of the Ottoman Empire.

479 Methods of Teaching Secondary Social Studies (3) Must be taken prior to secondary teaching block. Examines methods, materials, and problems of teaching history, sociology, political science, geography, and economics. Requisites: admission to Teacher Education required; PR, major in one of the social sciences or PERM.

Undergraduate/Graduate Credit

600 Topics in History + (1-3) Courses may cover a single broad development or one important event. Title indicates study and emphasis in schedule of classes.

601 Topics in Public History (1-3) Courses cover a single broad aspect of public history or some single important issue in the field. Title indicates study and emphasis in schedule of classes. Requisites: PR, PERM.

602 Introduction to Public History (3) This course will introduce students to the various components included in the field of public history. Museums, public monuments, archives, historical societies, library work, and oral history are subjects covered in this course. Requisites: PERM.

604 The American Civil Rights Movement (3) A chronological and topical survey of the African-American Civil Rights Movement between 1954 and 1983. Although the course focuses primarily on the post-World War II civil rights agenda, it will also explore this agenda within a broader historical framework spanning the breadth of U.S. History. Requisites: PR, Undergraduates: Sophomore Status; Graduates: Graduate Status.

606 History of Science (3) A survey of the rise of Western scientific thought from classical Greece to the present. Emphasis is placed on the "Scientific Revolution" and its aftermath.

607 History of World Technology (3) A study of the different ways in which technological change affects and is affected by politics, economics and society in different parts of the world from prehistory to the present. This can include the relationships between institutions and technology, beliefs and technology, labor and technology, science and technology, and the technological dialogue that occurs between civilizations.

608 History of Christianity (3) A study of the origins and development of Christianity, emphasizing the ancient background, the relationship between faith and reason, and the place of the church in society.

609 Religion, Heresy, Magic, and Myth (3) A historical investigation of mysticism, folk beliefs, esoteric outlooks, and ancient mysteries as seen in their cultural contexts.

611 The Classical World (3) An examination of the rise and development of the classical civilizations of Greece and Rome, focusing on their political history and their social, political, and cultural evolution. The course will cover the period from the first Greek civilizations to the decline of the Roman Empire.

613 England to 1688 (3) A study of England and the British Empire, from about 55 B.C. to 1688. Emphasis is placed on the development of major English institutions, e.g., Parliament and the common law.

614 Modern Britain, the Empire, and the Commonwealth (3) Beginning with 1688 and ending with the welfare state in post-war Britain, the empire, dominions, and commonwealth receive special attention.

616 History of Ideas to 1500 (3) An exploration of the most important ideas in philosophy, religion, politics, society, science, literature, and art of the major civilizations of the world from the beginning to 1500.

617 History of Ideas: 1500 to Present (3) An exploration of the most important ideas in philosophy, religion, politics, society, science, literature, and art of the major civilizations of the world from the 1500 to the present.

618 German History (3) A survey of political, economic, social, and cultural aspects of the historical development of the German peoples from the emergence of the medieval German Empire to the establishment of the Federal Republic of Germany and the German Democratic Republic after the Second World War.

619 Southeastern Europe (3) A survey of the political, social, economic, and cultural development of the societies of the Balkan Peninsula, from the late Middle Ages to the present.

623 Middle Ages (3) A study of the major political, economic, social, and cultural developments in Europe from the fall of the Roman Empire to the 15th century. Particular attention is given to the Holy Roman Empire, papacy, British and French monarchies, and development of secular culture.

624 Renaissance and Reformation (3) A study of the political, social, economic, and cultural developments of continental Europe from the end of the Middle Ages through the religious wars of the 17th century. Particular attention is given to Italy, the Reformation, and Wars of Religion.

625 Early Modern Europe and the French Revolution (3) An examination of the politics, economic development, social structure, cultural milieu, and general intellectual climate of Continental Europe from the Age of Louis XIV through the Age of Napoleon.

626 Russia to 1917 (3) A survey of the political, social, economic, and cultural development of the Russian State from its origins to the revolutions of 1917.

627 The Soviet Union (3) A survey of the political, social, economic, and cultural development of the Soviet Union from 1917 to the present.

628 Nineteenth Century Europe (3) A study of the major political, economic, social, and cultural developments of the nations of Europe from the Congress of Vienna to the outbreak of the First World War.

629 Europe Since 1914 (3) A study of the major political, economic, social, and cultural developments of the nations of Europe from the outbreak of the First World War to the present.

631 History of Kansas (3) A survey of the exploration, settlement, and development of Kansas.

632 Constitutional History of the United States (3) Historical study of the development of the Constitution of the United States from its origins to the present.

635 The American West (3) A study of the political, social, cultural, and economic impact of the Western experience and migration in American history.

636 The American Southwest (3) An examination of the contributions of Indians, Hispanics, and the United States to the political, economic, social, and cultural growth of the American Southwest.

637 Chicanos: A History of Mexican Americans (3) A study of Mexican Americans that interprets their history as part of the larger history of the United States. Major themes covered begin with the Spanish colonization of the American southwest and end with the contemporary issues of discrimination, civil rights, and assimilation.

642 Colonial and Revolutionary America (3) A study beginning with the 16th century forces for European expansion and ending with the American War for Independence.

643 The Early American Republic (3) An examination of the diplomatic, political, cultural, and economic developments in the United States from the War for Independence to the Age of Jackson.

644 The Era of the Civil War (3) A detailed study of American history from the Age of Jackson to the end of reconstruction.

645 American Diplomatic History to 1914 (3) A study of American diplomacy from the American Revolution to the eve of the First World War.

646 American Diplomatic History Since 1914 (3) A study of American diplomacy from the First World War to the present.

647 The Rise of Modern America, 1877-1919 (3) An intensive study of the forces that produced the foundations for modern America. Major forces considered include industrialism, urbanization, immigration, agrarian and labor discontent, and reform movements.

648 Contemporary America (3) A detailed study of the United States from the end of World War I to the present, covering both the domestic and foreign developments. Historical arguments concerning issues of the period are stressed.

649 The Indian in American History (3) A detailed study of Native Americans in the United States, emphasizing Indians' political, social, cultural, and economic developments and Indian and non-Indian relations.

650 African-American History (3) A chronological study of the cultural, intellectual, economic, and political role of the African-American in the development of the main stream of American history.

651 Women in American History (3) A study of the social, cultural, intellectual, economic, and political status of women from colonial times to the present.

652 Colonial Latin America (3) A comprehensive survey of pre-Columbian Indian civilizations, Spanish and Portuguese colonial institutions, and their impact upon shaping modern Latin America.

653 Modern Latin America, 1810-Present (3) A study of Latin America's independence, revolutions, and the subsequent struggle to build nation-states in the period that followed. Study of the 20th century entails special emphasis upon the region's economic development and its social repercussions, especially revolutions.

654 Mexico (3) A study of the first Mexicans, the conquest, colonialism, independence, 19th century nation building, the 1910 Revolution, and the revolution's legacy to the present.

660 The Modern Far East (3) A survey of the history of China and Japan from early 19th century to the present, with emphasis on institutional development, social changes, and contacts with the west.

670 Workshop in History + (1-3) A short-term, concentrated study of some topic or unit.
Opportunity is given for group and individual participation to fit needs of the student.

672 Readings in History + (1-3) Directed readings in history requiring a minimum of 2,000 pages per undergraduate credit hour. Requisites: PERM.

673 Problems in History + (1-3) Provides opportunity for intensive reading and discussion of primary and secondary sources for a limited topic. Requisites: PERM.

674 Independent Study+ (1-3) The student completes research and writing on a project determined in consultation with the instructor. Consultation with and permission from the Chair of the Department of History are required before enrolling in the course. Requisites: PERM

675 Seminar in History + (3) A research course requiring mastery of a limited topic with presentation and discussion of a research paper to the seminar. Requisites: PR, HIST 379 or equivalent, PERM.

676 Apprenticeship in History + (1-3) Invited students assist the professor in activities which provide professional experience in history-related occupations. Requisites: PERM.

678 Study-Tour in History (1-8) A study-tour of a particular country or region, combining visits to historical sites and traditional methods of historical inquiry.

692 Modern Middle East (3) A study of the major trends in the evolution of the Middle East from the late eighteenth century to the present, with an emphasis on imperialism, nationalism, modernization, Islam, and revolution.

Graduate Credit

810 The 20th Century World I: 1900-1950 (3) A chronological and topic overview of the 20th century world between 1900 and 1950. The course explores the political, economic, social, and cultural aspects of the period by employing several categories of analysis including, but not limited to, race, ethnicity, class, and gender. Requisites: PR, Graduate Standing.

811 The 20th Century World II: 1950-2000 (3) A chronological and topic overview of the 20th century world between 1950 and 2000. The course explores the political, economic, social, and cultural aspects of the period by employing several categories of analysis including, but not limited to, race, ethnicity, class, and gender. Requisites: PR, Graduate Standing.

872 Readings in History (3) Directed readings in history requiring a minimum of 2,000 pages per graduate credit hour. This course is designed for MLS students with a History concentration. Permission of the Chair of the Department of History is required before enrolling in the course. Course is also contingent on the availability of a history instructor to direct readings on a mutually agreed topic.
This course IS NOT APPLICABLE for the M.A. in History degree. Requisites: PR, Graduate standing.

874 Independent Studies in History (3) This independent study is used for the MLS culminating experience requirement with a history emphasis. The student completes research and writing on a project determined in consultation with the instructor. Consultation with and permission from the Chair of the Department of History are required before enrolling in the course. This course IS NOT APPLICABLE for the M.A. in History degree. Requisites: PR, Graduate standing.

878 Graduate Practicum in History + (1-6) An in-service course designed to relate social studies teaching theory to the classroom situation. The student is placed in classroom situations where experiences are gained relating to the social studies courses taught.

879 Historiography (3) An examination of the development of historical writing from Herodotus to the present with particular emphasis on philosophies of history and on methodological issues.

899 Thesis, M.A. (2-6) Requisites: PERM.

*General Education course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Center for Interdisciplinary Studies

Associate of General Studies

The Associate of General Studies (AGS) is a unique degree available through the College of Arts, Humanities and Social Sciences at Fort Hays State University. The AGS allows you to meet short-term educational goals and helps prepare you to move ahead in your current job, a new career or as a step on your way to a bachelor's degree.

The Associate of General Studies program consists of a 15-hour foundations studies component, 21-hours of liberal arts course work, a 12-hour customized area of emphasis and 12-hours of free electives, for a total of 60 credit hours. The AGS degree can be completed on campus or on-line through the FHSU Online.

Bachelor of General Studies Degree

The Bachelor of General Studies (BGS) is an undergraduate liberal arts degree available through the College of Arts, Humanities, and Social Sciences at Fort Hays State University. The degree provides maximum flexibility for students who have well-defined career objectives and wish to determine the content of their degree rather than pursue one of the established majors at FHSU. The program includes general education requirements and an area of concentration but not a specific major.

The Bachelor of General Studies is a general degree that can be used for entry into a wide variety of occupations. The BGS degree serves as a bridge to numerous graduate degree programs and prepares students for employment in areas not requiring specific baccalaureate degrees. The area of emphasis or concentration can be tailored to prepare students for entry into a particular career area.

Center for Interdisciplinary Studies Staff

Staff: Dr. Marcus Porter, *Coordinator of Prior Learning Credit*; Debbie Staab, *Academic Services Advisor*; Joleen Briggs, *Academic Services Advisor*.

Undergraduate Degrees

- Associate of General Studies:
  - Business Communication Studies
  - Education
  - Child Development
  - Communication Studies
  - General Business
  - Geography / GIS
  - Health Promotion
  - Human Services
  - Leadership Studies
  - Massage Therapy
  - Media Studies
  - Office Administration
  - Psychology Studies
- Bachelor of General Studies
  - Business Communication
  - Child Development
  - Education
  - General Business
  - Geosciences
  - Gerontology
  - Health Promotion
  - Historical Studies
  - Human Services
  - Informatics
  - Justice Studies
  - Military Specialties
  - Organizational Leadership
  - Political Leadership and Public Service
  - Psychological Studies
  - Rural Studies
  - Sustainability
  - Tourism & Hospitality Management
  - Web Development Studies

Master's Degrees

- Information Analysis & Communication

Minor

- Global Competencies

Certificates

- International Studies
- Study Abroad
- Sustainability

Associate of General Studies

Foundation Studies

A total of 15 credits from...

COMM 100	Fundamentals of Oral Communication	3
MIS 101	Introduction to CIS	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
MATH 101	Liberal Arts Mathematics OR	
MATH 110	College Algebra	3

Liberal Arts

A total of 21 credits from...

International Studies 3 hours from...

Course Code	Course Title	Credits
ENG 125	World Literature & Human Experience	3
GSCI 110	World Geography	3

Humanities

6 hours required with no more than 1 course in 1 area.

Course Code	Course Title	Hours
ART 180	Fundamentals & Appreciation of Art	3
ART 280	Approaches to Creativity	3
ART 380	Survey of Art History	3
COMM 125	Introduction to Motion Pictures	3
COMM 318	Communication in Human Organizations	3
ENG 125	World Literature and Human Experience	3
ENG 126	Introduction to Literature	3
ENG 327	Introduction to Fiction	3
MLNG	Beginning 1 or 2 course in any language	3
MLNG 112	Great Works in Translation	3
IDS 350	Diversity in the United States	3
MUS 161	Listening to Music	3
MUS 391	Jazz	3
THTR 120	Introduction to Theatre	3
PHIL 100	General Logic	3
PHIL 120	Introduction to Philosophy	3
PHIL 340	Ethics	3

Mathematics and Natural Sciences

6 hours required with no more than 1 course in 1 area.

Course Code	Course Title	Hours
BIOL 100	Human Biology	3
BIOL 102	Lab Experience in Biology	
BIOL 200	Humans and the Environment	3
BIOL 300	Human Heredity	3
CHEM 100	Chemist's View of the World	3
CHEM 105	Introduction to Chemistry Lab	
CHEM 112	General Chemistry I and Lab	
CHEM 114	General Chemistry II and Lab	
GSCI 100	Introduction to Geology	3
GSCI 101	Elements of Physical Geography	3
GSCI 102	Introduction to Geology Laboratory	
GSCI 340	Environmental Geology	3
MATH 234	Analytic Geometry & Calculus I	3
MATH 250	Elements of Statistics	3
PHYS 102	Physical Science	3
PHYS 103	Physical Science Laboratory	
PHYS 208	Elementary Meteorology	
PHYS 309	Descriptive Astronomy	

Social & Behavioral Sciences

6 hours required with no more than 1 course in 1 area.

Course Code	Course Title	Hours
ECON 201	Principles of Economics: Micro	3
ECON 202	Principles of Economics: Macro	3
FIN 205	Theory & Practice of Personal Finance	3
HIST 100	World Civilization to 1500	3
HIST 130	United States History to 1877	3
HIST 131	United States History Since 1877	3
IDS 350	Diversity in the United States	3
POLS 100	American Government	3
POLS 230	Introduction to International Relations	3
POLS 300	Current Political Issues	3

... continued on the next page

Associate of General Studies... continued

Social & Behavioral Sciences

Continued from previous page

Course	Course Title	Hour
PSY 100	General Psychology	3
PSY 300	Abnormal Psychology	3
PSY 340	Social Psychology	3
SOC 140	Introduction to Psychology	3
SOC 355	Sociology of Death and Dying	3

Area of Emphasis

12 hours required

Free Electives

12 hours required

**The Associate of General Studies with an emphasis in Massage Therapy requires the completion of the 32 hour massage therapy certificate.*

Bachelor of General Studies

Degree Requirements

General Education Required Courses

- English Composition (English Composition I and II) (6 Credit Hours)
- Computer Literacy Course (MIS 101) (3 Credit Hours)

Distribution Courses (3 departments must be represented in each area)

- Humanities (12 Credit Hours) Art, Communication, English, Modern Language, IDS 350, 400, 401, Music and Philosophy
- Natural Sciences and Mathematics (12 Credit Hours) Biological Sciences, Chemistry, Geosciences (Geography and Geology), Mathematics and Physics
- Social and Behavioral Sciences (12 Credit Hours) Economics, History, Multiculturalism, Political Science, Psychology and Sociology
- Concentration Area of Concentration (21 Credit Hours) Open Electives (54 Credit Hours)

Total Hours Required for Degree: 120 Credit Hours

General Requirements:

A minimum of 80 hours of course work in the liberal arts and sciences areas (Art, Biological Sciences, Chemistry, Communication, Computer Science, Economics, English, Geosciences, History, Informatics, Interdisciplinary Studies, Justice Studies, Leadership Studies, Mathematics, Modern Languages, Music, Philosophy, Physics, Political Science, Psychology, Sociology and Social Work).

- A maximum of 40 hours from one department.
- A minimum grade point average of 2.0.
- A minimum of 45 hours of upper division course work.
- 60 hours must come from a 4-year school.
- No modern language or mathematics course required.
- A minimum of 30 hours of coursework must be taken from FHSU.

Minor in Global Competencies

A total of 20-21 credits

Course Code	Course Title	Credits
IDS 407	Global Challenges	3
Study Abroad Experience or foreign language courses		10
Project, senior thesis. or public presentation		1-2

**Students pursuing B.A. degrees must complete this area with study abroad experiences.*

Choose 2 courses from one of the following:

I. Business — ECON 644, FIN 645, MGT 606, MKT 606, MGT 620, BCOM 400

II. Healthcare — NURS 491, NURS 632, POLS 230, SOC 333, SOC 460, COMM 602

III. Language and Culture — MLNG 605, MLNG 612, MLNG 623, HIST 350, POLS 230, POLS 631, COMM 602, SOC 333, SOC 460, MUS 361, ART 380

IV. Our Environment — IDS 499, BIOL 200, GSCI 275, GSCI 340, PHYS 102

Master of Liberal Studies: Information Analysis and Communication

MLS Core

A total of 10 credits from...

IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins and Implications of the Knowledge Society	3
IDS 804	Information Literacy	3

Concentration Core

A total of 12 credits from...

POLS 856	Advanced Research Methods	3
OR		
SOC 621	Advanced Sociological Research	
LDRS 810	Qualitative Research Methods	3
IDS	Data Management and Curation	3
ENG	Writing and Visualizing Big Data	3

Elective courses

Choose 9 credits (3 courses) from...

AEP 858	Data Analysis and Assessment	3
BCOM 692	Managerial Reports and Presentations	3
BCOM 695	Corporate Communication	3
ECON 601	Quantitative Methods	3
ENG 603	Technical and Professional Writing	3
GBUS 804	Financial and Quantitative Methods	3
GSCI 625	Advanced GIS	3
GSCI 655	GIS Programming	3
IDS 806	Applied Statistics	3
LDRS 818	Ethical Leadership	3
MIS 602	Information Systems Design and Development	3
MKT 604	Marketing Research	3
POLS 611	Policy Analysis	3
IDS 890	Internship in Liberal or Professional Studies	3

Certificates in Interdisciplinary Studies

Certificate in International Studies

A total of 9 credits…

The United States is significantly affected by, and to an important degree responsible for, an internationalized and globalized U.S. economy and society. To be a more astute employee and a more capable citizen, students should understand the U.S. – and themselves – from an international and global perspective. Therefore, FHSU is pleased to offer a program related to International Studies: a Certificate of International Studies (IS). This certificate is an interdisciplinary program and can complement any major offered by FHSU.

Required courses Choose 3 hours from…

Course Code	Course Title	Credits
ENG 125	World Literature & Human Experience	3
GSCI 110	World Geography	3
HIST 111	Modern World Civilization	3
POLS 230	Introduction to International Relations	3
IDS 407	Global Challenges	3

Electives Choose 6 hours from…

Code	Course Title	Credits
ECON 644	International Economics	3
FIN 645	International Finance	3
GSCI 105	Cultural Geography	3
GSCI 322	Latin American Geography	3
HIST 350	Latin American Civilization	3
HIST 646	American Diplomatic History since 1914	3
IDS 405	Heritage: Society, Science and Culture	3
IDS 499	Global Environmental Issues	3
MLNG 112	Great Works in Translation	3
MLNG 612	German Civilization	3
MLNG 623	Spanish Civilization	3
MLNG 624	Latin-American Civilization	3
MGT 606	International Business	3
MKT 606	International Marketing	3
MUS 361	World Music	3
POLS 631	U.S. Foreign Policy	3
POLS 632	Problems and Issues in World Politics	3
POLS 640	Comparative Politics	3
POLS 675	Seminar in International Political	3

Certificate in Sustainability

A total of 12 credits…

The Sustainability Certificate is interdisciplinary, comprised of only 12 credit hours taken from among four programs (Geosciences, Interdisciplinary Studies, Biology, and Physics). Students gain a foundation in sustainability theory that can be applied to all majors and all careers.

Course Code	Course Title	Credits
GSCI 101	Elements of Physical Geology **OR**	
PHYS 102	Physical Science	3
IDS 390	Technology in Society **OR**	
IDS 300	Economic Ideas & Current Issues	3
IDS 407	Global Challenges	3
IDS 499	Global Environmental Issues **OR**	
BIOL 200	Humans and the Environment	3

Certificate in Study Abroad

A total of 9 credits…

Students completing a minimum of nine credits through study abroad experiences are eligible to receive a certificate from the Office of Internationalization in the Graduate School. Students must apply for this certificate .

• Students must either enroll in a minimum of nine (9) credits of FHSU study abroad credit or transfer a minimum of nine (9) credits from an approved institution.

• All courses must be approved by the academic department chair and Assistant Provost for Internationalization to qualify for the certificate prior to departure.

• Students must earn a minimum grade of C or better (undergraduate) or B or better (graduate) in each course to qualify for the certificate.

• Credits may apply to a student's degree or program requirements in addition to the certificate.

• A certificate can be issued for an undergraduate or graduate student.

Course Listing - Interdisciplinary Studies

099 BGS Senior Assessment (0) The singular objective for this course is to provide assessment opportunities for graduating senior Bachelor of General Studies students. The course serves as the coordination point for program assessment. PR; SR Standing.

199 Topics in Interdisciplinary Studies (1-3) A study of a particular topic not otherwise available in the curriculum. The content of this course will vary from semester to semester, and students may potentially enroll more than once. This class is not available for General Education credit.

300 Economic Ideas and Current Issues (3) An introductory application of economic concepts to a wide variety of current social issues and problems.

325 Ideal Societies in Fiction (3) A study of ideal societies as portrayed in fiction with emphasis on the values we place upon such key ideas as concern for environment and natural resources, genetic and behavioral engineering, freedom vs security and control, health care and education, and the role of the arts as we strive to achieve the best possible life we can.

326 Literature and the Environment (3) A study of the literature of nature and the environment with special emphasis on literary and environmental texts that explore the ecological relationship between human culture, the creative imagination, and the natural world.

333 Exploration in the Humanities (1) A one-hour intensive exploration of a topic in the humanities. The class may require travel and/or service learning, and it may require payment of an additional fee.

350 Diversity in the United States (3) A study of the United States of America and its role in the world as a multicultural democracy, with specific emphasis given to cultural diversity as embodied in the ideal notion of pluralistic identity. Through the social sciences, humanities and arts, history, and international perspectives, the course will explore the principles and dynamics of diversity in the United States while promoting social responsibility and demonstrating civic competency.

360 Social Justice: Action and Policy (3) Social justice: action and policy examines public policy decisions from the perspective of social and economic justice. Historical and contemporary implications relative to justice will be analyzed. PR, JUS 101.

390 Technology in Society (3) An extensive study of technology and the impact that it has on human society. This course will examine, discuss, and explore the materials, processes, innovations, and applications of technology and the various perspectives and issues associated with the role of technology in society.

400 Bioethics (3) An examination of ethical issues which result from our expanding biological knowledge such as animal rights, genetic testing, biological engineering, abortion, euthanasia, the impact of humans on the environment, and the just allocation of resources.

401 Ethical Issues in the Professions and Business (3) An examination of ethical issues in the professional lives of people in science, education, medicine, law, and business arising from the challenge of maintaining personal integrity in the face of apparent conflicts of duty.

402 U.S. Human Geography: Issues for 21st Century (3) A human geography of natural, social, cultural, economic, political, and other issues existing in late 20th century United States, with implications toward the 21st century.

405 Heritage: Society, Science and Culture Since 1700 (3) A study of the interrelationships and transformations of outlook, science, and technology, culture attributes, economic systems, and social structures in world civilizations over the past three centuries, with special attention given to the development of modern institutions and perspectives.

407 Global Challenges (3) The purpose of this course is to educate and encourage the development of globally competent citizens and leaders. The course is designed to provide students with the knowledge, skills and attitudes to be engaged, responsible and effective members of a globally interdependent society. Most importantly, students will be asked to think deeply about their world (including its future, current issues, its impact on their local area, and our personal responsibility as global citizens).

440 Conceptions of the Mind (3) An integrative look at our historically changing conceptions of the mind, and how best to study and understand them. The course will cover elements of philosophy, psychology, neural science, computer science, linguistics, and their convergence intro the interdisciplinary field of cognitive science.

468 Political Communication (3) This course explores the relationship between media and politics in America, focusing on the process and power of media including its use by citizens, political interest groups, candidates and political leaders as well as its effect on information, civic involvement, and voter turnout.

499 Global Environmental (3) Review of current global environmental issues. Course will explore origins, development and effects of philosophy, religion, frontier and colonial experiences, science, technology, economics, and political ideologies upon environmental attitudes. Environmental ethics and sustainability will be examined.

Graduate Credit

801 Introduction to Graduate Liberal Studies (1) The purpose of the course is to provide a multi-disciplinary introduction to information-seeking skills, critical thinking skills, and analytical writing skills as a means of fostering intellectual growth, and enhancing employability in a world where integrated knowledge is a key resource.

802 Ways of Knowing in Comparative Perspective (3) A comparative, critical exploration of the nature, kinds, worth, and limits

of human knowledge. Roughly equal amounts of attention are given to (A) the sciences, (B) the arts and humanities, and (C) a selection from a menu of such special topics as mathematical knowledge, epistemic relativism, moral knowledge, religious knowledge, and the role of the search for knowledge in well-lived human lives.

803 Origins and Implications of the Knowledge Society (3) Origins and implications of the knowledge society involves understanding the historical origins and the current and future implications of the information revolution that is unfolding. As our society ushers in the information revolution, a deeper understanding of new ways of knowing will serve as a catalyst for the future. Substantial changes in the social, political, educational, and economic contexts are the destined targets of the information/knowledge shift. This course focuses on where these changes come from, what the likely changes will be, and the utility of such changes on the way we know, learn, and grow. Requisites: PR, IDS 801 or PERM.

804 Information Literacy (3) Information literacy develops the utilization of information in the graduate learning process. A fuller appreciation and recognition of the need for information, identification of needed information, networking and technical skills associated with locating the information, and critical consideration of information are addressed. Students should expect to be more thoughtful consumers of scholarly and applied research and current modern information technologies. Requisites: PR, IDS 801 or PERM.

805 Global Challenges: 21st Century Promise and Peril (3) The purpose of this course is to provide a graduate level introduction to the seven driving forces of change that are expected to transform the world over the next 25 years. The course will educate and encourage the development of globally competent citizens and leaders, and prepare them to engage in in-depth, graduate-level exploration of each of these areas of revolutionary change. The course is designed to provide students with the knowledge, skills and attitudes to be engaged, responsible and effective members of a globally interdependent society.

806 Applied Statistics (3) This course introduces students to descriptive and inferential statistics and their applicability to decision making. Students will explore measures of central tendency and variability, probability theory, estimation and hypothesis testing, and regression models.

810 Readings in Liberal Studies (1-3) Directed readings on a specific topic in liberal studies.

815 Introduction to Data (3) The purpose of this course is to present a graduate-level introduction for using research and decision-making in order to prepare professionals to work with data in their chosen field. This course will cover foundational concepts for understanding various types of data and aligning research questions with strategies for data analysis. Students will learn to - gather, analyze, manage, and communicate data in accordance with ethical and legal considerations.

820 Projects in Liberal or Professional Studies (1-6) An applied and technique oriented offering in which students engage in qualitative and/or quantitative research projects, or other experience of significant academic value. Meant to fulfill the culminating experience requirements of Master of Liberal Studies degree students.

880 Seminar in Liberal Studies (1-3) Course will provide in-depth study of a particular topic in interdisciplinary studies at the graduate level. The course title and topic of study will be displayed in the class schedule.

890 Internship in Liberal or Professional Studies (1-6) This course is designed for students in their final stages of the Master of Liberal Studies program. Activities include practical experience in an organization which will allow the student to participate in a meaningful project.

899 Thesis in Liberal Studies (3) Thesis in interdisciplinary studies is a directed multi-disciplinary study resulting in a specific final research paper or project. Thesis is designed to provide empirical study in preparation for further academic work. Study results in a bound thesis. A student may enroll in this course a maximum of two times, up to 6 hours total.

UNIV Courses

099 Prior Learning Portfolio (3) This is an accelerated course that will help students identify areas of prior learning to be evaluated for college level equivalency. The course will also guide students through the preparation and compilation of all components required for the evaluation for course credit(s) of a portfolio of prior learning by a disciplinary assessor in a department at FHSU. Examples of such work may include, but are not limited to, employer training programs, work experience, industry certifications, military service, independent study, studying open source software, volunteering, or completing community service. UNIV 099 may only be taken as "pass/no credit" and may not be applied to any degree requirement in the university.

100 Major and Career Exploration (1) Course designed to aid college students in the career exploration process through self-awareness, academic awareness, and career awareness. This course is intended for students exploring or confirming major options.

101 Freshman Seminar (1) This course will emphasize the skills and knowledge that the first-time freshman, who are within one year of high school graduation, will need to succeed in their transition to collegiate life. This course strives to provide habits and positive skills. In addition, this class will provide students opportunities to explore the various services which FHSU offers, as well as how and where to obtain those services.

103 Succeeding in College (0-3) This course is designed to help students learn and improve skills and strategies that are essential to academic success. Through activities, application, and reflection, the material covered in this course should support and assist students in their other courses. The course will cover: stress management, appropriate communication, critical thinking, decision making, locus of control, money management, motivation and goal setting, note taking, procrastination, learning styles, and time management.

199 International Student Orientation (0-2) The course is designed to help new degree-seeking international students maximize their academic potential through an orientation to FHSU and the United States. Emphasis will be focused upon, but not limited to, learning about the American education system, developing introductory research skills, learning immigration policies, and identifying university services and resources. PR: Admission to the university as a degree-seeking international student.

Department of Leadership Studies

For more information, see our website at www.fhsu.edu/leadership/.

In the modern workplace, the need for people with leadership skills is growing. Leadership Studies programs are designed to meet this need by preparing students for leadership and supervisory roles in business, industry and public service. Very simply, Leadership Studies provides students with the knowledge and skills necessary to be effective in a variety of settings. First, students develop a deep understanding of the major elements that make successful leadership. Second, students gain important practical skills essential for success in their chosen professions and in their personal lives. Skills including interpersonal relations, problem solving, team building, collaboration, motivation, and communication are all necessary in any career option in today's world.

Programs within the Department of Leadership Studies offer students a number of advantages, including: a flexible curriculum that allows students to personally customize their program of study; program options that include a leadership certificate, minor, major, and a graduate degree program; educational activities include both classroom discussion and hands-on organizational and community projects and internships; and course work that is available both on campus and on-line.

Leadership Studies at FHSU:

Our department believes that **leadership can be learned**. Not only will you learn theory and critical workforce skills in the classroom, but you will also have the opportunity to apply those theories and skills through hands-on experiences:

- Class activities
- Internships
- Co-Curricular programming in the Center for Civic Leadership
- Service-learning projects
- Study abroad
- Research and creative activities
- VALUE

The skills you learn aren't just technical—they're **professional proficiencies and life skills**, applicable not only to your career, but also to most situations life presents. **Strong academic courses taught by dynamic faculty** will give you an opportunity to put thought into action in both your career and community.

Undergraduate Degrees

Bachelor of Arts: Organizational Leadership

Bachelor of Science: Organizational Leadership

Graduate Degrees

Master of Professional Studies: Organizational Leadership

Minors

Minor in Leadership Studies

Certificates

Leadership Studies Certificate

Global Leadership Certificate

Department of Leadership Studies Faculty & Staff

Chair: Dr. Brett Whitaker
Omer G. Voss Distinguished Professor: Dr. Donnette Noble
Professors: Dr. Jill Arensdorf, Dr. Brent Goertzen
Associate Professors: Dr. Justin Greenleaf
Assistant Professors: Dr. Seth Kastle, Dr. Kaley Klaus, Dr. Lori Kniffin, Jeni Mcray, Dr. Brett Whitaker
Instructors: Dr. Gentry Benjamin, Ms. Pandora Bolt, Mr. Benjamin Houchen, Mr. Ryan Olsen, Mr. Jeff Schlitzkus
Department Staff: Mrs. Rachel Cronn, *SEAC Advisor;* Mrs. Jacqueline Gottschalk, *Sr. Administrative Assistant*

See department page online for full listing

Bachelor of Arts: Organizational Leadership

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

Leadership Studies Core

A total of 27 credits from...

Course Code	Course Title	Credits
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 306	Leadership and Team Dynamics	3
LDRS 310	Field Work in Leadership Studies	3
LDRS 450	Advanced Leadership Behaviors	3
LDRS 640	Principles of Civic Leadership	3
LDRS 650	Principles of Organizational Leadership	3
LDRS 670	Leadership and Personal Development	3
LDRS 677	Internship in Leadership Studies	3

Cognates

Choose 12 hours from the following:

Course Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
IDS 401	Ethical Issues in the Professions **OR**	3
PHIL 340	Ethics	
MATH 250	Elements of Statistics	3
IDS 350	Diversity in the United States **OR**	3
IDS 360	Social Justice: Action and Policy **OR**	
POLS 105	Current Political Issues	

Electives

Choose 9 hours from the following:

Code	Course Title	Credits
BCOM 301	Business Communication	3
COMM 602	Intercultural Communication	3
COMM 606	Conflict Management through Communication	3
GSCI 672	Geosciences: Seminar in Sustainability	3
IDS 407	Global Challenges	3
LDRS 401	Advanced Leadership Seminar I	3
LDRS 402	Advanced Leadership Seminar II	3
LDRS 420	Women and Leadership	3
LDRS 460	Global Leadership	3
LDRS 490	Topics in Leadership Studies	3
LDRS 600	Seminar in Organizational Leadership	3
LDRS 651	Readings in Leadership Studies	3
MGT 301	Management Principles	3
MGT 410	Organizational Behavior and Development	3
MGT 611	Human Resource Management	3
MGT 614	Training and Development	3
THM 620	Tourism & Hospitality Management	3
MKT 301	Marketing Principles	3
POLS 310	Introduction to Public Administration	3
SOC 384	Social Problems	3
SOC 460	Comparative Cultures and Societies	3

Free Electives

A total of 7 credits from...

Free Electives	7

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	59
Total	**120**

Bachelor of Science: Organizational Leadership

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences (Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Leadership Studies Core

A total of 27 credits from...

Course Code	Course Title	Credits
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 306	Leadership and Team Dynamics	3
LDRS 310	Field Work in Leadership Studies	3
LDRS 450	Advanced Leadership Behaviors	3
LDRS 640	Principles of Civic Leadership	3
LDRS 650	Principles of Organizational Leadership	3
LDRS 670	Leadership and Personal Development	3
LDRS 677	Internship in Leadership Studies	3

Cognates

Choose 12 hours from the following:

Course Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
IDS 401	Ethical Issues in the Professions **OR**	3
PHIL 340	Ethics	
MATH 250	Elements of Statistics	3
IDS 350	Diversity in the United States **OR**	3
IDS 360	Social Justice: Action and Policy **OR**	
POLS 105	Current Political Issues	

Electives

Choose 9 hours from the following:

Code	Course Title	Credits
BCOM 301	Business Communication	3
COMM 602	Intercultural Communication	3
COMM 606	Conflict Management through Communication	3
GSCI 672	Geosciences: Seminar in Sustainability	3
IDS 407	Global Challenges	3
LDRS 401	Advanced Leadership Seminar I	3
LDRS 402	Advanced Leadership Seminar II	3
LDRS 420	Women and Leadership	3
LDRS 460	Global Leadership	3
LDRS 490	Topics in Leadership Studies	3
LDRS 600	Seminar in Organizational Leadership	3
LDRS 651	Readings in Leadership Studies	3
MGT 301	Management Principles	3
MGT 410	Organizational Behavior and Development	3
MGT 611	Human Resource Management	3
MGT 614	Training and Development	3
THM 620	Tourism & Hospitality Management	3
MKT 301	Marketing Principles	3
POLS 310	Introduction to Public Administration	3
SOC 384	Social Problems	3
SOC 460	Comparative Cultures and Societies	3

Free Electives

A total of 17 credits from...

Free Electives	17

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Minor in Leadership Studies

"How do I make myself more marketable to potential employers?" This is a typical question an undergrad might ask as he or she begins to near the completion of their collegiate experience. In the cutthroat corporate world, everyone is looking for a way to gain an edge.

The undergraduates that have diversified their educational experience are one step closer to gaining that edge. The challenge is to add value to your current degree program and major. The Minor in Leadership Studies is designed to do just that. First, students develop a deep understanding of the major elements that make leadership successful. Second, students gain important practical skills essential for success in their chosen professions and in their personal lives as well.

Minor in Leadership Studies Core

A total of 9 credits from...

Course Code	Course Title	Credits
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Field Work in Leadership Concepts	3

Minor Electives

Choose 12 hours (4 courses) from the following...

Course Code	Course Title	Credits
IDS 407	Global Challenges	3
LDRS 306	Leadership and Team Dynamics	3
LDRS 401	Advanced Leadership Seminar I	3
LDRS 402	Advanced Leadership Seminar II	3
LDRS 420	Women and Leadership	3
LDRS 450	Advanced Leadership Behaviors	3
LDRS 460	Global Leadership	3
LDRS 490	Topics in Leadership	3
LDRS 600	Seminar in Organizational Leadership	3
LDRS 640	Principles of Civic Leadership	3
LDRS 650	Principles of Organizational Leadership	3
LDRS 670	Leadership and Personal Development	3
LDRS 677	Internship in Leadership Studies	3

Certificates in Leadership Studies

"I don't have a lot of opportunity to add extra hours to my degree program. Can I still incorporate leadership development into my educational path?" Whether you are a freshman with loads of credit hours staring you in the face, or a senior with a small amount of wiggle room, the Leadership Certificates will work for you!

Leadership Studies Certificate

A total of 9 credits from...

Course Code	Course Title	Credits
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Field Work in Leadership Concepts	3

This 9 credit hour certificate program introduces students to the basic components of leadership theory and behaviors. LDRS 300 explores "What" is leadership, LDRS 302 examines "How" to do leadership, and LDRS 310 provides the reason "For" leadership through a service-learning experience.

These certificate programs are designed to enhance a student's collegiate experience, and add value to their current degree program and subsequent career. Once students complete one of the Leadership Studies Certificates, they will receive a certificate of completion that is a nice addition to a resume.

Global Leadership Certificate

A total of 12 credits from...

Course Code	Course Title	Credits
LDRS 300	Introduction to Leadership Concepts	3
IDS 407	Global Challenges	3
SOC 460	Comparative Cultures and Societies	3
OR	Approved Study Abroad Experience	
LDRS 460	Global Leadership	3

This 12 credit hour certificate program is designed to develop leaders who will possess the knowledge, skills and attitudes to lead change in complex global environments. Participants in the certificate program will learn to facilitate change within their local, civic, and organizational surroundings, while also acting in accordance with social responsibility to address world issues.

Master of Professional Studies: Organizational Leadership

The Master of Professional Studies (MPS) in Organizational Leadership is a 30 credit-hour degree which provides students with an innovative curriculum focusing on the study of leadership in the context of modern organizations. The MPS in Organizational Leadership is intended to provide you with the knowledge and skills necessary to be effective in a variety of settings.

First, you will develop a deep understanding of how organizations function and the role leaders at all levels must play to improve the performance of organizations. Second, you will become proficient in transferable skills of interpersonal relations, problem solving, collaboration and team building, motivation, and communication, which are all necessary to be successful in today's society. Third, you will gain critical research and analytic skill essential for diagnosing organizational issues and develop important practical skills essential for initiating and leading change in your organization, profession and beyond. As a graduate of the MPS in Organizational Leadership, you will find yourself well prepared for the challenges of the future.

Graduates of this program will be both valuable and marketable in a wide array of occupational fields. By enhancing your leadership, communication, analytic and problem solving skills, this program will assist you in pursuing professional and personal goals. Application of this degree program is varied and limitless, opening career opportunities and mobility within organizations. MPS in Organizational Leadership students will find themselves well prepared to be productive members of the 21st century workforce.

Core Curriculum

A total of 9 credits from...

Course Code	Course Title	Credits
IDS 802	Ways of Knowing	3
LDRS 801	Theoretical Foundations of Leadership	3
LDRS 810	Qualitative Research Methods	3

Concentration

A total of 12 credits from...

Course Code	Course Title	Credits
LDRS 802	Organizational Systems, Change and Leadership	3
LDRS 807	Leadership in Teams and Collaborative Environments	3
POLS 856	Advanced Research Methods	3
LDRS 811	Organizational Intervention Strategies	3

Electives

Choose 6 hours from the following...

Course Code	Course Title	Credits
LDRS 600	Seminar in Organizational Leadership	3
LDRS 640	Principles of Civic Leadership	3
LDRS 650	Principles of Organizational Leadership	3
LDRS 670	Leadership and Personal Development	3
LDRS 818	Ethical Leadership	3
LDRS 870	Readings in Organizational Leadership	3
IDS 805	Global Challenges: 21st Century Promises and Perils	3
MGT 611	Human Resource Management	3
MGT 614	Training and Development	3
BCOM 690	Professional Development	3
COMM 602	Intercultural Communication	3
COMM 606	Conflict Management	3
COMM 611	Organizational Culture & Climate	3
COMM 613	Recruiting and Interviewing Techniques	3
COMM 614	Organizational Coaching and Mentoring Communication	3
CRJ 855	Situational Ethics	3

Master of Professional Studies: Organizational Leadership

NURS 861	Complexity in Healthcare Organizations	3
NURS 862	Administration Management	3
HHP 630	Administration in Healthcare	3
HESA 817	Student Development Theory	3
POLS 660	Political Campaign Management	3
SOC 665	Social Entrepreneurship	3
SOC 670	Grant Proposal Development	3
SOC 679	Community Theory and Development	3
PSY 845	Experimental Methods	3
PSY 846	Program Evaluation	3
GSCI 625	Advanced Geographic Information Systems	3

Culminating Experience

A total of 3 credits from...

Course Code	Course Title	Credits
LDRS 890	Internship in Organizational Leadership	3
	OR	
LDRS 895	Research Projects in Organizational Leadership	3

Course Listing - Department of Leadership Studies

Undergraduate Credit

120 Issues in Leadership Studies (0-3) Students will explore behaviors and concepts related to a leadership topic of interest.

300 Introduction to Leadership Concepts (3) This course will actively engage students in the acquisition of information about historical and contemporary theories, concepts, and issues associated with leadership. Students will be exposed to the nature of leadership through presentation of objective material, group activities and laboratory exercises.

302 Introduction to Leadership Behavior (3)
An interdisciplinary course designed to introduce the student to the tasks, strategies, and skills of effective leadership. Course activities will move the student from theory to the practical processes of leadership. Basic concepts essential to personal skills development and organizational leadership behavior are included.

306 Leadership and Team Dynamics (3)
Teambuilding, teamwork, and team leading draws information from a wide variety of disciplines to introduce students to the ever important topic of teaming.

310 Field Work in Leadership Studies (3) This interdisciplinary course is designed to provide the student with an awareness and understanding of current issues relating to the nature and tasks of collaborative leadership behavior. The student is asked to identify an issue or problem and practice leadership by developing and implementing a community project. Requisites: PR, LDRS 300, LDRS 302 or PERM.

401 Advanced Leadership Seminar I (3) In this course, theory gives way to practice. Through experiential skill building activities, assessment, and coaching, this course provides students with a wide variety of skills necessary for success. The course requires students to demonstrate strong conceptual understanding of leadership and the ability to diagnose and plan interventions. This course is a prerequisite to Advanced Leadership Seminar II, and will serve as the planning and beginning stages of the execution of a chosen VALUE project. Requisites: PR, LDRS 300, LDRS 302 and acceptance into the VALUE program.

402 Advanced Leadership Seminar II (3) This course is an extension of LDRS 401 Advanced Leadership Seminar I, and requires students to apply lessons learned in the previous lab to implement the change plan that was developed. Through experimentation and consultation with faculty, peers, and mentors, students will work to increase skills related to operations and collaboration. Students will create a comprehensive ePortfolio to showcase their final project and reflections. Requisites: PR, LRDS 300, LDRS 302, LDRS 310, LDRS 401 and acceptance to VALUE program.

420 Women and Leadership (3) Current issues and trends of women and leadership will be examined from historical to contemporary and from social to personal perspectives.

450 Advanced Leadership Behaviors (3) The behaviors and skills necessary to be effective at doing leadership will be explored through both the leader and follower perspectives. Advanced influence, motivation, decision-making, conflict/negotiation strategies and meeting management will be examined primarily in the interpersonal context. Course materials and activities will challenge students to connect theory to practice. Requisites: PR, LDRS 300 and LDRS 302.

460 Global Leadership (3) The purpose of this course is to introduce students to the emerging field of global leadership. Students will gain an understanding of the history and origins of global leadership and the theoretical approaches to global leadership in complex, modern contexts. Students will be challenged to access primary sources of global leadership literature, and think deeply and critically about the current state of theoretical development in global leadership. Students will also explore various global leadership competencies and learn how to apply these competencies in various regions and cultures throughout the world. PR, LDRS 300 or PERM.

490 Topics in Leadership Studies (1-3) Courses will provide in-depth study of a particular topic in the study of leadership behavior. Course title and topic of study will be displayed in the class schedule.

Undergraduate/Graduate Credit

600 Seminar in Organizational Leadership (3) Students will conduct an in-depth examination of a particular topic in the study of organizational leadership. Course title and topic of the study will be displayed in the class schedule.

640 Principles of Civic Leadership (3) This course is designed to provide the student with a deeper understanding of the major components and principles of civic leadership.
Classroom activities examine the leadership process in the context of community and society. This approach encourages ordinary citizens to take responsibility, organize, and build coalitions for the purpose of effecting social change.

650 Principles of Organizational Leadership (3)
This course is designed to provide students with the basic principles and elements of the growing Organizational Leadership discipline. Leadership theories and behaviors are examined in the context of the modern organization. Requisites: PR, LDRS 300, LDRS 302, or GRAD.

651 Readings in Leadership Studies (3) Directed readings on a specific topic in leadership. Requisites: PERM.

670 Leadership and Personal Development (3) The focus of this course will be on you as the leader from an individual perspective. It will be an introduction to the principles and practices of positive interpersonal relationships for leadership development. The course will be based on each student's perception of their own life experiences that have helped them reach this level in their leadership development journey (PAST), where they are now in that journey (PRESENT), and their personal leadership goals (FUTURE). Requisites: PR, LDRS 300 or GRAD.

677 Internship in Leadership Studies (3) This course is designed for students in their final stage of the Major in Organizational Leadership or Minor in Leadership Studies. Activities include practical experience in an organization that will allow a student to exercise, observe, and appreciate leadership behavior. Requisites: PR, LDRS 300 or GRAD.

Graduate Credit

801 Theoretical Foundations of Leadership (3) The purpose of this course is to expose students to the large body of organizational leadership theory and research. Both historical and contemporary approaches will be examined in detail. Students will be required to analyze the research critically from both theoretical and empirical perspectives. Finally, course material will focus on organizational leadership in multiple contexts and levels of analysis (individual, team, organization and community).

802 Organizational Systems, Change, and Leadership (3) This class will challenge students to embrace a systems view of leadership and organizational change at the organizational level. Students will compare, contrast and critique both seminal and modern theories and models of organizational learning, knowledge creation, and organizational capacity building and apply them to their own organizational settings. The course will enhance student ability to think systematically and develop comprehensive understanding of core competencies required to initiate and sustain change in organizations.

807 Leadership in Teams and Collaborative Environments (3) This course examines the leadership process in the context of team and group dynamics. It investigates process and content issues of team building, interpersonal and group relations, and effective problem solving and decision making skills in collaborative environments. The course places particular emphasis on the relationship between teams within organizations.

810 Qualitative Research Methods (3) This course will give students an understanding of the scientific method and its application to qualitative research. Students will develop a research question, collect and analyze data and develop conclusions for qualitative methods. Students will explore appropriate means to present and disseminate the research in order to help organizations and communities to make accurate and informed decisions. Requisites: PR, LDRS 801, Graduate standing, MPS in Organizational Leadership only.

811 Organizational Intervention Strategies (3) Students will apply leadership concepts and assessment techniques to the design, delivery and analysis of leadership development interventions. Students will develop practical applications to leadership development programs on individual, unit and organizational levels. Requisites: PR, LDRS 810, MPS in Organizational Leadership students only.

818 Ethical Leadership (3) This course develops a framework for ethical thinking and reflection. The course emphasizes the moral, ethical and social responsibilities of organizational leaders as well as the application of principles to organizational leadership behavior and decision making. Students will also investigate current research trends regarding ethical issues in business and other organizational contexts. Graduate standing.

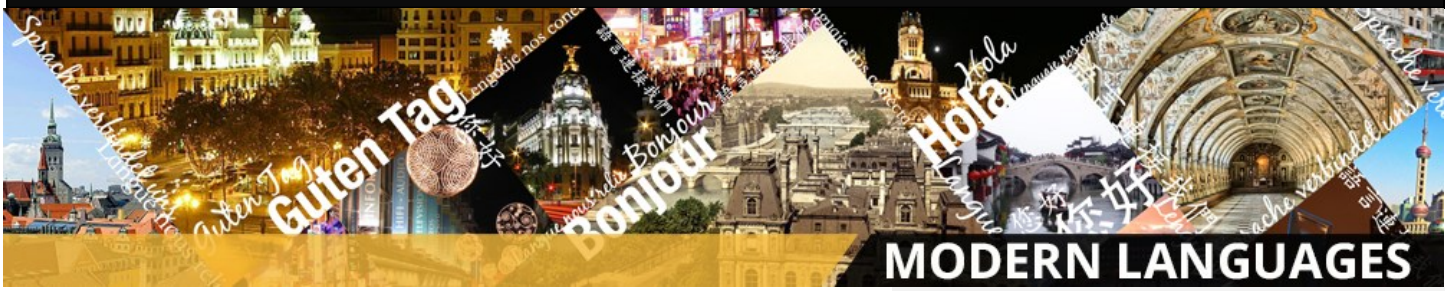
870 Readings in Organizational Leadership (1-3) Students will develop a research question, intensively review selected readings and critical research to provide a foundation for answering this question, and then provide implications addressing the material reviewed. The instructor and students will agree upon the research question and develop a plan creating a basis for answering the question and providing recommendations for further review.
Requisites: PR, PERM.

890 Internship in Organizational Leadership (1-3) This course is designed for students in their final stages of the Master of Professional Studies program. Activities include practical experience in an organization which will allow the student to participate in a meaningful leadership experience. Requisites: PR, Final semester or PERM.

895 Research Project in Organizational Leadership (1-3) This course is an individual study of a selected problem relating to leadership theory, organizational leadership, leadership development or leadership education.
Requisites: PR, Final semester or Permission.

* General Education course
+ Course may be repeated
# Lab required
PERM: Permission
PR: Prerequisites

Department of Modern Languages



For more information, visit the Foreign Language departmental website at www.fhsu.edu/mlng/

Do you have an interest in foreign languages? Do you want to be exposed to new cultures and new ways of thinking? Studying a foreign language gives you the skills you need to understand better other cultures (and hence your own) and to communicate and succeed in a global community. The ability to speak a second language is necessary for many careers in international business, marketing, mass media communications, government service and teaching.

Empower yourself to explore the language, literature and culture of another country in an exciting avenue of learning. As a major or minor, you will experience challenging but fascinating coursework, supportive faculty and staff, and valuable hands-on experience that prepares you for your future career.

Undergraduate Degrees

Bachelor of Arts: Foreign Language (Spanish)

Bachelor of Arts: Foreign Language (Spanish for Specific Purposes)

Graduate Degree

Master of Liberal Studies: Modern Languages

Minors

Foreign Language Minor - Spanish

Certificates

Foreign Language - Spanish Certificate

Policy. Students whose native language is English, but who have unusual qualifications because of courses taken in non-accredited colleges, residence in another country, or other off-campus preparation, may petition the chair of the Department of Modern Languages for a maximum of 10 credit hours test-out credit by local examination for Beginning German and Spanish I and II. Majors and minors whose native language is German or Spanish will become eligible to receive a maximum of 10 credit hours for Beginning Language I and II by local examination during the same semester in which they complete requirements for the major or minor. Native speakers of German or Spanish who are not majors or minors in these languages may not receive credit for Beginning Language I and II.

No petition can be granted after the student has taken or audited courses which in any degree duplicate Beginning German, and Spanish I and II or courses which may be considered in advance of Beginning German and Spanish I and II. If in support of the student's petition, the chair of the Department of Modern Languages will submit a letter via campus or e-mail to the Provost giving permission for the student to take the advanced standing examination. The letter should include the student's local address; course title(s), number(s), and credit hours; and a very brief explanation as to why the student is requesting permission to test out. The Provost will send a letter of approval or disapproval to the chair of the Department of Modern Languages with a copy to the student.

Department of Modern Languages Faculty & Staff

Interim Chair: Dr. Elizabeth Langley

Associate Professors: Dr. Kevin Amidon, Dr. Rosa Maria Castaneda, Dr. Chita Espino-Bravo

Assistant Professors: Dr. Elizabeth Langley, Dr. Giovani Lopez Lopez

FHSU Online Faculty: Dr. Caitlin Brady Carter, Dr. Robert Patrick, Dr. M Chris Mohn, Dr. Paul Siegrist, Dr. Evelyn Toft, Grace Zhou Seo

Department Staff: Rhonda Baker, *Administrative Assistant;*

See department page online for full listing

Bachelor of Arts:
Foreign Language

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
(three electives and one laboratory)	
Social and Behavioral Sciences	
IDS 350 Diversity in the United States	3
Two Electives	6
Upper-Division Integrative Course	3

Foreign Language Core
A total of 34 credits from...

Course Code	Course Title	Credits
MLNG 225	Beginning Spanish I	5
MLNG 226	Beginning Spanish II	5
MLNG 428	Grammar and Composition	3
MLNG 429	Spanish Conversation & Reading I	3
MLNG 430	Spanish Conversation & Reading II	3
MLNG 623	Spanish Civilization	3
MLNG 656	Survey of Spanish Literature I	3
MLNG 657	Survey of Spanish Literature II	3
MLNG 658	Survey of Latin-American Literature	3
MLNG 666	Seminar in Spanish Literature	3

Electives
Choose 35 credits from…..

Free Electives	35

Totals
A total of 145 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Bachelor of Arts: Foreign Language (Spanish for Specific Purposes)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
(three electives and one laboratory)	
Social and Behavioral Sciences	
IDS 350 Diversity in the United States	3
Two Electives	6
Upper-Division Integrative Course	3

Foreign Language Core
A total of 22 credits from...

Course Code	Course Title	Credits
MLNG 225	Beginning Spanish I	5
MLNG 226	Beginning Spanish II	5
MLNG 325	Intermediate Spanish I	3
MLNG 326	Intermediate Spanish II	3
MLNG 427	Spanish Conversation Skills	3
MLNG 428	Grammar & Composition	3

Upper Division Electives
A total of 3 credits from...

Choose one from the approved list	3

Specific Purposes Tracks (Choose 1)
A total of 9 credits from...

Spanish for Health Professions

Course Code	Course Title	Credits
MLNG 451	Medical Spanish I	3
MLNG 452	Medical Spanish II	3
MLNG 453	Medical Spanish Practicum	3

Translating and Interpreting

Course Code	Course Title	Credits
MLNG 461	Translation and Interpreting I	3
MLNG 462	Translation and Interpreting II	3
MLNG 463	Translation / Interpreting Practicum	3

Spanish for Business

Course Code	Course Title	Credits
MLNG 471	Business Spanish I	3
MLNG 472	Business Spanish II	3
MLNG 473	Business Spanish III	3

Hispanic Studies

Choose three from approved list of courses	9

Electives

Free Elective Courses	31

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	22
Electives	31
Total	**120**

Minor in Spanish (Spanish for Specific Purposes)

Minor in Spanish:

Course Code	Course Title	Credits
MLNG 225	Beginning Spanish I	5
MLNG 226	Beginning Spanish II	5
MLNG 325	Intermediate Spanish I	3
MLNG 326	Intermediate Spanish II	3
MLNG 427	Spanish Conversational Skills	3
MLNG 428	Spanish Grammar & Conversation	3

Specific Purposes Tracks (Choose 1)

A total of 3 credits from...

Spanish for Health Professions

Course Code	Course Title	Credits
MLNG 451	Medical Spanish I	3

Translating and Interpreting

Course Code	Course Title	Credits
MLNG 461	Translation and Interpreting I	3

Spanish for Business

Course Code	Course Title	Credits
MLNG 471	Business Spanish I	3

Hispanic Studies

Choose three from approved list of courses	3

Total for Minor

A total of 25 credits

Certificate in Spanish

Certificate in Spanish:

Course Code	Course Title	Credits
MLNG 225	Beginning Spanish I	5
MLNG 226	Beginning Spanish II	5
MLNG 325	Intermediate Spanish I	3
MLNG 326	Intermediate Spanish II	3
MLNG 428	Spanish Grammar & Conversation	3

Total for Minor

A total of 19 credits

A certificate can enhance your degree by attesting to additional competency in a particular field. The Department of Modern Languages offers certificates in Spanish and German. The university also offers a Study Abroad Certificate, based in large part on international opportunities found in the Department of Modern Languages. Learn more about the course requirements for the Global Competencies Minor and Study Abroad Certificate.

Master of Liberal Studies: Modern Languages

Master of Liberal Studies (Art): The Master of Liberal Studies degree program in Art consists of a minimum of 31 hours of graduate work. Individuals applying for admittance into the MLS concentration in Art must meet the following criteria or receive permission from the department to qualify for admittance:

- Bachelor's in Art History or Studio Art from an accredited institution.
- Have 12 hours of undergraduate art history.
- Submit a sample of writing in art history.
- Submit a professional resume.

MLS Core Curriculum

Code	Course Title	Hours
IDS 801	Introduction to Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

Spanish Concentration

Code	Course Title	Hours
MLNG 670	Workshop in Modern Languages	1-3
MLNG 621	Advanced Spanish and Grammar…	2
MLNG 623	Spanish Civilization	3
MLNG 624	Latin-American Civilization	3
MLNG 656	Survey of Spanish Literature I	3
MLNG 657	Survey of Spanish Literature II	3
MLNG 658	Survey of Latin-American Literature	3
MLNG 666	Seminar in Spanish Literature	3
MLNG 674	Independent Project - Spanish	1-3
MLNG 686	Readings in Spanish	1-3
MLNG 687	Teaching Internship	1-3

Course Listing - Department of Modern Languages

Undergraduate Credit

Foreign Language

112 Great Works in Translation (3) This course is taught in English and all texts are in English translation. A study of major foreign language works that shape the ways people view the world and make their experience of life meaningful. In addition, this course invites students to develop multiple literacies by learning about prominent language groups and international cultures that lie outside of the American English-speaking world. MLNG 112 covers different works and different cultures in different semesters. This course can be taken more than once if studying a different language and its culture's written works, but it can be taken only once for general education credit.

201 Beginning French I* (5) An introductory course in French. Hearing and speaking are stressed initially, followed by reading and writing. This course is designed for students with no previous knowledge of the French language.

202 Beginning French II (5) A continuation of the introductory course in French. Hearing and speaking are stressed initially, followed by reading and writing. This course is designed for students with the equivalent of one semester of college French. Requisites: PR, MLNG 201 or equivalent.

208 Beginning German I* (5) An introductory course in German. Hearing and speaking are stressed initially, followed by reading and writing. This course is designed for students with no previous knowledge of the German language.

209 Beginning German II (5) A continuation of the introductory course in German. Hearing and speaking are stressed initially, followed by reading and writing. This course is designed for students with the equivalent of one semester of college German. Requisites: PR, MLNG 208 or equivalent.

225 Beginning Spanish I* (5) An introductory course in Spanish. Hearing and speaking are stressed initially, followed by reading and writing. This course is designed for students with no previous knowledge of the Spanish language.

226 Beginning Spanish II (5) A continuation of the introductory course in Spanish. Hearing and speaking are stressed initially, followed by reading and writing. This course is designed for students with the equivalent of one semester of college Spanish. Requisites: PR, MLNG 225 or equivalent.

231 Beginning Chinese I * (5) A beginning level course in modern Mandarin Chinese for students with little or no prior experience in the language. Students learn basic listening, speaking, reading and writing skills in Mandarin Chinese.

232 Beginning Chinese II (5) A beginning level course in modern Mandarin Chinese which continues to develop basic listening, speaking, reading and writing skills begun in Beginning Chinese I.

277 Early Field Experience: Foreign Language Education (1) Observation and participation experience in a high school under the supervision of a teacher in that school. Pass/No Credit.

308 Intermediate German I (3) Conversation, laboratory drill, and readings constitute a general introduction to German literature.

309 Intermediate German II (3) Conversation and readings constitute a general introduction to German culture. Requisite: CO, MLNG 609.

325 Intermediate Spanish I (3) Conversation, laboratory drill, and readings constitute a general introduction to Spanish literature. Requisites: PR, MLNG 226.

326 Intermediate Spanish II (3) Conversation and readings constitute a general introduction to Spanish culture. Requisites: PR, MLNG 325, CO, MLNG 618.

327 Spanish for Heritage Learners (3) This course is designed specifically for heritage speakers of Spanish with oral proficiency but little or no formal training in the language. The course aims to help heritage language speakers further develop their Spanish language skills, to acquire Spanish literacy skills, and to learn more about their Hispanic cultural heritage. This course will help students enhance their bilingual range by developing a broad command of the language, thus better preparing them for future career opportunities. Requisites: PR, required level score on placement exam administered by the MLNG department.

390 Topics in Foreign Languages + (1-5) An in-depth study of a topic in foreign languages not dealt with in the regular curriculum.

404 French Grammar and Composition Review (3) An intensive grammar review coordinated with composition exercises.

405 French Conversation and Reading I (3) Conversation, laboratory drill, and readings constitute a general introduction to French literature.

406 French Conversation and Reading II (3) Conversation and readings constitute a general introduction to French culture.
Requisite: CO, MLNG 601.

410 Foreign Language Teaching Methodology (3) Study of theories of second language acquisition, instructional methods, and the use of instructional technology. Requisites: admission to Teacher Education required; permission of instructor required.

411 German Grammar and Composition Review (3) An intensive grammar review coordinated with composition exercises.

427 Spanish Conversation Skills (3) This course will develop the student's oral and listening skills I Spanish at the low advanced level. Requisites: PR; MLNG 326 or PERM.

428 Spanish Grammar and Composition Review (3) A review of the major points of grammar with strong emphasis on composition and mastery of the Spanish verb. Requisites: PR, MLNG 227.

451 Medical Spanish I (3) An introductory course presenting the medical expressions and terminology related to the relationship between patients and the health professionals in Spanish.
Requisites: PR; MLNG 326 or instructor PERM.

452 Medical Spanish II (3) This course focuses on the acquisition of more advanced medical/health vocabulary and the further advancement of linguistic and cultural competence in the target language.
Requisites: PR; MLNG 427, MLNG 428, MLNG 451.

461 Translating and Interpreting I (3) An introductory course in translation for students of Spanish that accommodates students with an advanced level of Spanish. Requisites: PR; MLNG 326 or instructor PERM.

462 Translating and Interpreting II (3) Designed for students with an advanced level of Spanish. Requisites: PR; MLNG 427, MLNG 428, MLNG 461.

Undergraduate/Graduate Credit

601 Advanced French Conversation (3) Progressive development of structured and free conversation. Requisites: PR or corequisite, MLNG 406.

602 Advanced French Grammar and Composition (2) Study of more advanced grammar, together with structured and free composition. Requisites: PR, MLNG 404 or equivalent.

605 French Civilization (3) A study of the culture and civilization of France from its origin to the present, as revealed in history, literature, and fine arts. Requisites: PR, MLNG 406.

609 Advanced German Conversation (3) Progressive development of structured and free conversation.
Requisites: CO, MLNG 309.

610 Advanced German Grammar and Composition (2) Study of more advanced grammar, together with structured and free composition. Requisites: PR, MLNG 411 or equivalent.

612 German Civilization (3) The culture, customs, and civilization of Germany from its origin to the present with a view to developing a better understanding of the people.
Requisites: PR, MLNG 309

618 Advanced Spanish Conversation (3) Progressive development of structured and free conversation. Requisites: CO, 326.

621 Advanced Spanish Grammar and Composition (2) Further intensive review with emphasis on the study of more advanced grammar together with structured composition.
Requisites: PR, MLNG 428 or equivalent.

623 Spanish Civilization (3) The culture and civilization of Spain from its origin to the present as revealed in history, literature, and the fine arts. Requisites: PR, MLNG 326.

624 Latin-American Civilization (3) A study of the customs, culture, and manners of Spanish America with a view to developing an understanding of the people and their attitudes.
Requisites: PR, MLNG 326.

652 Survey of French Literature I (3) Study of French literature from the Middle Ages to 1800. Requisites: PR, MLNG 405 or MLNG 406.

653 Survey of French Literature II (3) Study of French literature from 1800 to the present. Requisites: PR, MLNG 405 or MLNG 406.

654 Survey of German Literature I (3) Study of German literature from the beginnings to 1800. Requisites: PR, MLNG 308 or MLNG 309.

655 Survey of German Literature II (3) Study of German literature from 1800 to the present. Requisites: PR, MLNG 308 or MLNG 309.

656 Survey of Spanish Literature I (3) A survey of Spanish peninsular literature from its origin through such Golden Age authors as Cervantes. Requisites: PR, MLNG 325 or MLNG 326

657 Survey of Spanish Literature II (3) A survey of Spanish peninsular literature of the 18th, 19th, and 20th centuries. Requisites: PR, MLNG 325 or MLNG 326.

658 Survey of Latin-American Literature (3) A survey of Latin-American literature from colonial times to the present. Requisites: PR, MLNG 325 or MLNG 326.

664 Seminar in French Literature + (3) Detailed study of a movement, genre, or author. Requisites: PR, MLNG 652 or MLNG 653.

665 Seminar in German Literature + (3) Detailed study of a movement, genre, or author. Requisites: PR, MLNG 654 or MLNG 655.

666 Seminar in Spanish Literature + (3) Detailed study of a movement, genre, or author. Requisites: PR, MLNG 656 or MLNG 657 or MLNG 658.

668 Field Studies in Foreign Languages (1-6) Participation in an approved study abroad program in countries where the languages in the program are spoken. Requisites: PR, PERM of department chair prior to participation.

670 Workshop in Modern Languages + (1-3) Intensive, short-term courses in modern language, literature, culture, or modern language pedagogy. Requisite: PERM.

672 Independent Study in French + (1-3) Special studies designed to meet the needs of individual, advanced students. Requisites: PERM.

673 Readings in French (1-3) Special studies designed to meet the needs of individual, advanced students.

674 Independent Project--Spanish + (1-3) Requisites: PERM.

676 Teaching Internship--French + (1-3) Practical experience in classroom procedures, including tutorial activities. Requisites: PERM of department chair.

679 Readings in German + (1-3) Special studies designed to meet the needs of individual, advanced students. Requisites: PERM.

680 Independent Study in German + (1-3) Special studies designed to meet the needs of individual, advanced students. Requisites: PERM.

681 Teaching Internship--German + (1-3) Practical experience in classroom procedures, including tutorial duties. Requisites: PERM of department chair.

685 Readings in Spanish (1-3) Special studies designed to meet the needs of individual, advanced students.

686 Independent Study in Spanish + (1-3) Special studies designed to meet the needs of individual, advanced students. Requisites: PERM.

687 Teaching Internship--Spanish + (1-3) Practical experience in classroom procedure, including tutorial activities. Requisites: PERM of department chair.

Graduate Credit

831 Structure of English for Second Language Purposes (3) This course explores the complexities of spelling and word formation, grammatical structure, and semantic relations in Modern English. Students cover the historical origins of these complexities in structure. And various approaches to grammatical analysis are covered, but the emphasis is on developing the practical foundations necessary for effective teaching for second language acquisition, rather than on theoretical models. Requisites: PR, GRAD standing and MLNG 830 .

832 Reading, Writing and Speaking for ESL & EFL (3) A focused and in-depth study of theories of how we read, write and speak, as well as the instruction of these skills. The major focus is on practical approaches to teaching reading, writing, and speaking skills to varied student populations, including children in public schools, young adults in pre-academic learning environments, and literacy-challenged adults in adult education programs. Requisite: PR, GRAD standing and MLNG 830.

840 Linguistics for Educators (3) A study of language education with emphasis on current linguistic trends and theories, especially as they apply to second language acquisition teaching. This course provides foundations for further study in linguistics and methodology of language teaching.

Department of Music and Theatre

The Department of Music and Theatre at FHSU is unique: big enough to offer **dozens of academic and performance opportunities**, but small enough that student artists don't become faces in the crowd. We understand that **your dreams are as unique as you are**; we'll help you achieve them.

The Department of Music and Theatre offers academic programs in **theatre, music education, performance, and composition.** Additionally, **all FHSU students can participate** in ensembles and in opera and theatre productions, and lessons.

Music and Theatre at FHSU:

Musician. Composer. Actor. Designer. Music Teacher. Sound Engineer. No matter what your dream job in the field of music or theatre is, the Department of Music and Theatre at FHSU can help you get there:

- Programs that prepare. Our innovative teaching methods and unparalleled access to performance opportunities let you get the practice and experience you need to pursue your career in music. We also offer a broad, interdisciplinary course of study to prepare you for the many dimensions of the world of theatre.
- Opportunities abound. We have vocal, instrumental and theatre opportunities for everyone, whether they want to devote their lives to music and theatre, or just want to be part of an ensemble or work behind the scenes. And unlike many schools, you don't have to wait to get involved—you can start performing your first semester.
- Financial Support. The department offers numerous scholarships. These are available to all students regardless of major.
- Forging Friendships. The music and theatre students at FHSU are a tight group—they feel more like a family than just classmates.
- Fantastic Faculty. Our nationally and internationally acclaimed faculty are deeply committed to your education and training as an aspiring artist.
-

We invite you to learn more about the Department of Music and Theatre:

- Check out our Performing Arts Calendar; it's filled with musical performances and theatre productions.
- Explore the careers you might enjoy with a degree in music or theater.
- See how our department is committed to community service.
- Learn more about our active Student Organizations.

Undergraduate Degrees

Bachelor of Arts: Music
Bachelor of Arts: Performing Arts
Bachelor of Music: Music Education
Bachelor of Music: Performance
Bachelor of Music: Composition
Bachelor of General Studies: Theatre Studies

Graduate Degrees

Master of Liberal Studies: Music
Master of Professional Studies: Composition
Master of Professional Studies: Performance

Minors

Minor in Music

Department of Music and Theatre Faculty & Staff

Chair: Ben Cline
Professors: Tim Crowley
Associate Professors: Ivalah Allen, Terry Crull, Joseph Perniciaro, Laura Andrews, Timothy Rolls, Ben Cline, Irena Ravitskaya, Kristin Pisano
Assistant Professors: Brad Dawson, Peter Lillpopp, Brian Buckstead, Carl Sage
Instructors: Ryan Pearson, Hilary Shepard, Tomme Williams
FHSU Online Faculty: Belinda Paige Jimanez, Allison Lint, Anne McAninch
Department Staff: Tricia Lynch, *Administrative Assistant;* Pamela McGowne, *Staff Accompanist*

See department page online for full listing

Bachelor of Arts: Music

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

Music Core

A total of 28 credits from...

Course Code	Course Title	Credits
MUS 001	Recital Attendance	0
MUS 002	Introduction to the Study of Music	0
MUS 121	Group Piano I	1
MUS 122	Group Piano II	1
MUS 181	Music Theory I	3
MUS 182	Aural Skills I	1
MUS 192	Introduction to Music Literature	3
MUS 221	Group Piano II	1
MUS 281	Music Theory II	3
MUS 282	Aural Skills II	1
MUS 292	Music History I	3
MUS 293	Music History II	3
	Major Ensemble for proficiency	8

Music Electives

Choose 6 hours from the following:

Course Title	Credits
Music Composition, Literature, Theory, or Advanced History	6

Music Performance

Choose 8 hours from the following:

Course Title	Credits
Applied Lessons	8

Free Electives

A total of 10 credits from...

Free Electives	10

Totals

A total of 123 credits from...

University Requirements	65
Department Requirements	58
Total	**123**

Bachelor of Arts: Performing Arts

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

Music Core

A total of 28 credits from...

Course Code	Course Title	Credits
MUS 001	Recital Attendance	0
MUS 121	Group Piano I	1
MUS 122	Group Piano II	1
MUS 151/251	Private Instruction (4 Semesters)	4
MUS 181	Music Theory I	3
MUS 182	Aural Skills	1
MUS 183	Music Theory II	3
MUS 184	Aural Skills II	1
MUS 292	Music History I	3
MUS 293	Music History II	3
Various	Large Ensemble	8

Performing Arts Core

A total of 12 credits from...

Course Code	Course Title	Credits
MUS 161	Listening to Music	3
THTR 100	Introduction to Theatre	3
ART 180	Fundamentals and Appreciation of Art	3
COMM 125	Introduction to Motion Pictures	3

Theatre Core

A total of 24 credits from...

Course Code	Course Title	Credits
THTR 223	Makeup	3
THTR 224	Stagecraft	3
THTR 326	Costumes History and Design	3
THTR 328	Theatre Workshop	3
THTR 361	Directing	3
THTR 663	Advanced Directing	3
THTR 667	Survey of Drama I	3
THTR 669	Survey of Drama II	3

Concentrations

Choose one concentration, 16 hours of credit

Course Code	Course Title	Credits
	Performance	
MUS 600	Large Ensemble (8 semesters)	8
MUS 151	Private Instruction (8 semesters)	8
MUS 099	Senior Recital	0
	Conducting	
MUS 600	Large Ensemble (8 semesters)	8
MUS 151	Private Instruction (4 semesters)	4
MUS 276	Rehearsal and Score Reading I	1
MUS 277	Rehearsal and Score Reading II	1
MUS 288	Rehearsal and Score Reading III	1
MUS 679	Rehearsal and Score Reading IV	1
	Composition	
MUS 600	Large Ensemble (8 semesters)	8
MUS 151	Private Instruction (4 semesters)	4
MUS 666	Composition (4 semesters)	4
MUS 679	Topics in Music: Final Project	1
	Acting	
THTR 226	Rehearsal and Performance (8 semesters)	8
THTR 122	Acting (3 semesters)	3
THTR 661	Advanced Acting (2 semesters)	2
THTR 679	Topics in Theatre: Final Project	3

Bachelor of Music: Composition

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Music Core

A total of 24 credits from...

Course Code	Course Title	Credits
MUS 151	Private Instruction: Piano	2
MUS 181	Music Theory I	3
MUS 182	Aural Skills I	1
MUS 183	Music Theory II	3
MUS 184	Aural Skills II	3
MUS 192	Introduction to Music Literature	3
MUS 281	Music Theory II	3
MUS 282	Aural Skills III	1
MUS 283	Music Theory IV	3
MUS 284	Aural Skills IV	1
MUS 287	Conducting and Score Reading I	1
MUS 292	Music History I	3
MUS 293	Music History II	3
MUS 661	Arranging	3
MUS 665	18th Century Counterpoint	3
MUS 666	Composition I	4
MUS 667	Composition II	6
MUS 676	Advanced Composition	6

Theatre Core

A total of 24 credits from...

Course Code	Course Title	Credits
THTR 223	Makeup	3
THTR 224	Stagecraft	3
THTR 326	Costumes History and Design	3
THTR 328	Theatre Workshop	3
THTR 361	Directing	3
THTR 663	Advanced Directing	3
THTR 667	Survey of Drama I	3
THTR 669	Survey of Drama II	3

Performance

A total of 4 credit hours

Course Title	Credits
Private Instruction	4

Ensemble

A total of 8 credit hours

Course Title	Credits
Large Ensemble	8

Musicianship

Required (no credit)

Course Title		Credits
MUS 001	Recital Attendance (8 semesters)	0
MUS 002	Introduction to the Study of Music	0
MUS 009	Senior Recital	0

Bachelor of Music: Music Education

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences (Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Music Core

A total of 24 credits from...

Course Code	Course Title	Credits
MUS 001	Recital Attendance (8 semesters)	0
MUS 002	Introduction to the Study of Music	0
MUS 099	Senior Recital	0
	Music Ensemble	8
MUS 151	Private Instruction: Piano	2
MUS 181	Music Theory I	3
MUS 182	Aural Skills I	1
MUS 183	Music Theory II	3
MUS 184	Aural Skills II	3
MUS 192	Introduction to Music Literature	3
MUS 281	Music Theory II	3
MUS 282	Aural Skills III	1
MUS 283	Music Theory IV	3
MUS 277	Early Field Experiences: Education	1
MUS 287	Conducting and Score Reading I	1
MUS 288	Conducting and Score Reading II	1
MUS 292	Music History I	3
MUS 293	Music History II	3
MUS 661	Arranging	3

Concentration

Each degree candidate chooses ONE concentration...

Code	Course Title	Credits
	Elementary General Music Concentra-	
MUS 151	Private Instruction (4 semesters)	4
MUS 403	Secondary School Choral Methods	3
MUS 404	String Methods	3
MUS 405	Woodwind Methods	3
MUS 406	Brass Methods	2
MUS 407	Percussion Methods	1
MUS 612	Elementary School Music Methods	3
MUS 613	Advanced Elementary School Methods	3
MUS 614	General Music in the Middle School	2
MUS 615	Vocal Techniques and Materials	3
	Strings Concentration	
MUS 123	Group Voice	1
MUS 151	Private Instruction (4 semesters)	4
MUS 404	String Methods for the String Major	2
MUS 405	Woodwind Methods	3
MUS 406	Brass Methods	2
MUS 407	Percussion Methods	1
MUS 408	Orchestral Organizational Techniques	3
MUS 617	Pedagogy (strings - 4 semesters)	4

Totals

A total of 124 credits from...

University Requirements	65
Department Requirements	59
Total	**124**

Bachelor of General Studies: Theatre

University Degree Requirements

A total of 45 credits from...

General Education Required Courses:	Credits
English Composition I and II	6
Computer Literacy Course (MIS 101)	3
Distribution Courses (3 departments represented in each area)	
Humanities (Art, Communication Studies, English, Foreign Language, Music and Philosophy)	12
Mathematics and Natural Sciences (Biological Sciences, Chemistry, Geosciences, Mathematics and Physics)	12
Social and Behavioral Sciences (Economics, History, Multiculturalism, Political Science, Psychology and Sociology)	12

Area of Concentration

A total of 21 credit hours from...

Course Code	Course Title	Credits
THTR 223	Makeup	3
THTR 224	Stagecraft	3
THTR 326	Costumes History and Design	3
THTR 328	Theatre Workshop	3
THTR 361	Directing	3
THTR 663	Advanced Directing	3
THTR 667	Survey of Drama I	3
THTR 669	Survey of Drama II	3

Open Electives

58 Credit Hours

A degree in theatre gives you the education and opportunity to excel on stage. Develop your talents in acting, directing, costuming, stage design and theatre management.

Select from a broad range of courses are offered in acting, directing, stagecraft, and dramatic literature, preparing you to pursue the kind of creative career you want.

The Bachelor of General Studies degree program allows you considerable flexibility in tailoring a course of study to meet your goals and suit your interests.

Totals

A total of 124 credits from...

University Requirements	45
Concentration / Electives	79
Total	**124**

About the Bachelor of General Studies Degree

The Bachelor of General Studies (BGS) is an undergraduate liberal arts degree available through the College of Arts, Humanities, and Social Sciences at Fort Hays State University. The degree provides maximum flexibility for students who have well-defined career objectives and wish to determine the content of their degree rather than pursue one of the established majors at FHSU. The program includes general education requirements and an area of concentration but not a specific major.

The Bachelor of General Studies is a general degree that can be used for entry into a wide variety of occupations. The BGS degree serves as a bridge to numerous graduate degree programs and prepares students for employment in areas not requiring specific baccalaureate degrees. The area of emphasis or concentration can be tailored to prepare students for entry into a particular career area. Concentrations that can be accessed electronically through the FHSU Online include, but are not limited to, General Business, Human Services, Justice Studies, Information Networking and Telecommunications, Organizational Leadership, and Gerontology. Individual programs must be approved by an advisor designated by the Dean of the College of Arts, Humanities, and Social Sciences.

The degree is available on campus or can be accessed electronically by off-campus students.

Minor in Music

The Minor in Music can be attached to any undergraduate degree program. With a minor in music, you can explore the fundamentals of music theory, develop instrumental skill and hone your ear for music.

Minor in Music Core

A total of 14 credits from...

Course Code	Course Title	Credits
MUS 121	Group Piano I	1
MUS 122	Group Piano II	1
MUS 181	Music Theory I	3
MUS 183	Music Theory II	3
MUS 182	Aural Skills I	1
MUS 184	Aural Skills II	1
	Ensemble - 4 semesters	4

Minor Electives

A total of 8 hours from...

Course Title	Credits
Music Electives in Performance	4
Music Electives in Music Theory or History	4

Master of Liberal Studies: Music

Core Curriculum

A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of the Knowledge Society	3
IDS 804	Information Literacy	3

Concentration

Students may select from the following (21 credits)

Code	Course Title	Hours
MUS 604	Advanced Choral Conducting	3
MUS 605	Advanced Instrumental Conducting	3
MUS 611	Opera Production	3
MUS 612	Elementary School Music Methods	3
MUS 613	Advanced Elementary Music Methods	3
MUS 614	General Music in the Junior High	3
MUS 615	Vocal Techniques and Materials	3
MUS 616	Piano Techniques and Materials	3
MUS 617	Pedagogy	3
MUS 661	Instrumental Arranging	3
MUS 663	Form and Analysis	3
MUS 665	Eighteenth Century Counterpoint	3
MUS 666	Composition I	3
MUS 670	Workshop	3
MUS 673	Seminar in Music	
MUS 676	Apprenticeship in Music	3
MUS 677	Internship in Music	3
MUS 679	Topics in Music	3
MUS 683	Piano Literature	3
MUS 684	Organ Literature	3
MUS 685	Song Literature	3
MUS 882	Composition II	3
MUS 883	Composition III	3
MUS 875	Final Seminar	3
MUS 899	Thesis	6

Master of Professional Studies: Music Composition

Core Curriculum
A total of 9 credits from...

Code	Course Title	Hours
IDS 804	Information Literacy	3
MUS 876	Principles of Research	3
MIT 812	Multimedia Applications	3

Cognitive / Electives
A total of 9 credits from...

Code	Course Title	Hours
MIT 822	Hypermedia / Hypertext Applications	3
IDS 810	Readings in Liberal Studies	3
	Other electives approved by advisor	

Major
A total of 12 hours from...

Course Title		Credits
MUS 883	Composition IV (repeatable 3 hour course)	12

Project
A total of 3 credits from...

Code	Course Title	Hours
IDS 820	Projects in Liberal / Professional Studies	3

Master of Professional Studies: Music Performance

Core Curriculum
A total of 9 credits from...

Code	Course Title	Hours
IDS 804	Information Literacy	3
MUS 876	Principles of Research	3
MUS 679	Topics: Literature (primary performance medium)	3

Cognitive / Electives
A total of 9 credits from...

Code	Course Title	Hours
MUS 617	Pedagogy (repeatable course)	3
MUS 665	18th Century Counterpoint	3
	Other electives approved by advisor	

Major
A total of 12 hours from...

Code	Course Title	Hours
MUS 851	Private Instruction in Primary Medium (repeatable course - 4 semesters)	8
MUS	Major Ensemble in Primary Medium (repeatable course - 4 semesters)	4

Project
A total of 3 credits from...

Code	Course Title	Hours
MUS 862	Graduate Recital (all semesters)	3

Course Listing - Department of Music and Thea-

Course Listing

Ensemble

Undergraduate Credit

332 Women's Chorale + (1)

333 Collegian Chorale + (1)

340 Clarinet Choir + (0-1)

341 Jazz Ensemble + (0-1)

342 Fort Hays Singers + (0-1)

344 String Chamber Music + (0-1)

345 Brass Ensemble + (0-1)

346 Woodwind Ensemble + (0-1)

347 Percussion Ensemble + (0-1)

348 Flute Ensemble + (0-3)

Undergraduate/Graduate Credit

600 Concert Choir + (0-2)

601 Marching Band + (0-2)

602 Symphonic Band/Wind Ensemble + (0-2)

603 Hays Symphony + (0-2)

Performance-Group Instruction

Undergraduate Credit

121 Group Piano I (1) Development of piano techniques, sight reading, and improvisation; acquisition of standard piano repertory. Requisites: PR, music major or instructor permission.

122 Group Piano II (1) Continuation of Group Piano I. Requisites: PR, MUS 121, music major or PERM.

123 Group Voice I (1) Fundamentals of vocal performance.

124 Group Voice II (1) Continuation of Group Voice I. Requisites: PR, MUS 123 or PERM.

153 English/Italian/Latin Diction (1) Principles of pronunciation in English, Italian and Latin as applied to singing.

221 Group Piano III (1) A continuation of Group Piano II. Also includes development of elementary score reading. Special fees: lab fees. Requisites: PR, MUS 122 or PERM.

222 Group Piano IV (1) A continuation of Group Piano III. Requisites: PR, MUS 221 or PERM.

224 Group Guitar I (1) Emphasis on using the guitar to accompany songs; learning the basic chords and several basic folk strums; some note reading. Student provides guitar.

225 Group Guitar II (1) A continuation of Group Guitar I. Requisites: PR, MUS 224 or PERM.

229 Jazz Improvisation + (1-2) Development of ability to improvise in the various jazz idioms. Requisites: PERM.

253 German/French Diction (1) Requisites: PR, MUS 153 or PERM.

285 Keyboard Harmony (1) Development of basic ability in melodic harmonization, harmonic improvisation, clef reading, and elementary score reading. Requisites: PR, MUS 183.

Undergraduate/Graduate Credit

618 Collaborative Piano Class + (1-2) Students will learn instrumental and vocal repertoire, as well as the essential skills of collaboration ensemble performance, balance and team work ethic. Piano proficiency sufficient to perform standard repertoire is required. Requisites: PR, permission of instructor.

629 Jazz Improvisation II + (1-2) Development of ability to improvise in the various jazz idioms. Requisites: PERM.

Performance-Private Instruction

During fall and spring semesters, one 30-minute lesson per week in undergraduate performance constitutes a course of instruction for one hour of credit; 60 minutes of instruction, two hours of credit. During the summer session, 60 minutes of instruction per week constitutes a course for one hour of credit. Music majors must present themselves for examination in their principal performing media at the end of each semester's study. Music majors studying secondary performing media and non-departmental students will appear for semester examination at the discretion of their instructors. Private instruction is offered in piano, organ, voice, orchestral and band instruments, and guitar. Part-time students and non-majors are charged a music fee for private instruction that is payable to the department.

Undergraduate Credit

099 Senior Recital (0) For performance majors, recital must be full length; for music education majors, 20 minutes. Requisites: PR, MUS 451 or MUS 461 and jury PERM.

151 Applied Lessons I + (1-2) The first course in performance for undergraduate students. Special fees may be assessed. PERM.

251 Applied Lesson II + (1-2) Lower-division performance. Requisites; PR, jury permission. Special fees: lab fees. PERM.

451 Private Instruction III + (1-2) [Degree program other than performance.] Upper-division performance. Requisites: PR, jury PERM. Special fees: lab fees.

461 Private Instruction IV + (2-4) [Performance curriculum.] Upper-division performance. Requisites: PR, full faculty jury PERM. Special fees: lab fees.

Graduate

841 Private Instruction (Sec. Ins.) (1-2) Performance for graduate students in a secondary performing medium. Special fees: lab fees.

851 Private Instruction (Prim. Ins.) + (1-2) Performance for graduate students in a principal performing medium. Special fees: lab fees.

862 Graduate Recital (2) Requisites: PR, jury PERM.

Academic Courses

Undergraduate Credit

001 Recital Attendance + (0) When offered, enrollment is required of full-time undergraduate music majors.

002 Music Fundamentals (0) Focus on music fundamentals used in music theory. Requisites: CO, MUS 181.

Music Theory

Undergraduate Credit

180 Musicianship (3) Theory and application of fundamental musical skills through written exercises, aural drills, and group piano realizations. The course is designed to 1) develop the ability to read music and understand musical notation, and 2) be an opportunity for non-music majors to learn fundamental skills. Does not count toward the music major. Requisites: PR; music major or PERM.

181 Music Theory I (3) Study of fundamentals of notation and introduction to voice leading. Requisites: CO, MUS 002.

182 Aural Skills I (1) Development of skills in sight singing, ear training, and basic musicianship.

183 Music Theory II (3) Continuation of MUS 181. Requisites: PR, MUS 181.

184 Aural Skills II (1) Continuation of MUS 182. Requisites: PR, MUS 182.

281 Music Theory III (3) Completion of harmonic vocabulary of late romantic, impressionistic,
and modern music. Course includes formal and stylistic analysis of works from all periods. Requisites: PR, MUS 183.

282 Aural Skills III (1) Continuation of MUS 184. Requisites: PR, MUS 184.

283 Music Theory IV (3) Continuation of MUS 281. Requisites: PR, MUS 281.

284 Aural Skills IV (1) Continuation of MUS 282. Requisites: PR, MUS 282.

378 Seminar in Music Technology I (3) This course exposes the student to the history of music technology, basic acoustics, analog and digital sound recording, MIDI sequencing, and digital sound synthesis. Requisites: INT 140 and INT 348 or PERM from instructor.

388 Seminar in Music Technology II (3) An investigation of the problems and procedures of multi-track recording in concert hall and studio environments including planning the recording session, evaluating/installing equipment and software, engineering the session, editing, signal processing, and finalizing a stereo mix to various types of digital media. Requisites: PR, MUS 378; PERM.

470 Workshop I + (1-3) Intensive, short-term courses in various areas of music and music teaching.

483 Music Theory Review (3) This course is a review of analytical procedures commonly found in music composed between 1650 and 1900 AD. This course cannot be taken in lieu of other theory courses (MUS 183, MUS 281, MUS 283) by students pursuing Bachelor of Music degrees. Requisites: PR, MUS 181 (or transfer equivalent).

498 Recording Practicum + (2-3) This course explores digital audio production techniques developed in MUS 388. The focus of the course is advanced digital editing, mixing, and mastering techniques for all musical genres/styles. Requisites: MUS 378 and 388.

Undergraduate/Graduate Credit

661 Instrumental and Choral Arranging (3) Scoring for separate string, woodwind, brass, percussion, and vocal choirs, with particular emphasis on scoring for groups of less than superior quality and technical proficiency. Requisites: PR, MUS 183.

662 Instrumental Arranging (3) Scoring for separate string, woodwind, and brass choirs, with particular emphasis on scoring for groups of less than superior quality and technical proficiency. Requisites: PR, MUS 183.

663 Form and Analysis (3) Continuation of Music Theory IV with emphasis on stylistic analysis of music from all periods. Requisites: PR, MUS 283.

665 Eighteenth Century Counterpoint (3) Study of the polyphonic style of the mature baroque period with emphasis on the works of J.S. Bach. Requisites: PR, MUS 183.

666 Composition I + (1-3) Art music composition for smaller instrumental/vocal media. Requisites: PR, MUS 266 or PERM.

667 Composition II + (3) Composition in small instrumental and vocal media. Requisites: PR, MUS 283.

675 Apprenticeship in Music + (1-3) Students enrolled may acquire experience in teaching music at the college level.

676 Advanced Composition + (2-4) Art music composition for larger instrumental/vocal media.
Requisites: PR, MUS 266 and MUS 666 (taken at least two semesters) and MUS 661 and PERM.

677 Internship in Music + (1-3) Students enrolled may acquire experience in teaching music at any level in the public schools.

679 Topics in Music + (1-3) Specialized topics of narrow scope which lend themselves to presentation as short courses in music education, music theory, music literature, and music history.

Graduate Credit

870 Workshop II + (1-3) Intensive, short-term courses in various areas of music and music and music teaching.

873 Seminar in Music + (2) Intensive study of special problems and topics in various areas of music, music theory, music history, music literature, music education, and pedagogy.

876 Principles of Research (3) An introduction to the principles of research in music. An overview of systems of musical analysis, conventions of music literacy, and historical approaches to musical synthesis.

882 Composition III + (2) Composition in larger instrumental and vocal media. Requisites: PR, MUS 666 or MUS 667.

883 Composition IV + (2-4) Advanced composition in larger instrumental and vocal media. Requisites: PERM.

Music Theory and Music Literature

Undergraduate Credit

161 Listening to Music* (3) Designed to develop competence in listening to music. The elements
of music are discussed and demonstrated and specific musical forms are studied.

192 Introduction to Music Literature (3) A study of selected western and non-western examples representing the principal forms and genres found in the literature of music. Requisites: PR, MUS 181 or PERM.

291 American Popular Music* (3) A study of the development of American popular music and its leading figures from its origins in Tin Pan Alley (American musical theater), the African-American tradition (minstrel shows, blues, jazz, swing), country music and the Anglo-American tradition (folk, country western, and bluegrass), rock music, to the current diverse American popular musical landscape.

292 Music History I (3) The development of music history and style from ancient Greece to the early eighteenth century. Requisites: PR, MUS 183 or PERM.

293 Music History II (3) The development of music history and style in the eighteenth, nineteenth, and twentieth centuries. Requisites: PR, MUS 183 or PERM.

361 World Music (3) An introduction to many styles of folk and classical music from around the world and the cultural causes and effects of this music.

391 Jazz* (3) An introduction to various components of jazz, such as style periods, musicians, and compositions, for those with an interest but no previous knowledge in this field. A very important aspect of the course is listening to examples. These are intended to enhance the students' listening ability and make them better consumers of all kinds of music.

470 Workshop I + (1-3) Intensive, short-term courses in various areas of music and music teaching.

Undergraduate/Graduate Credit

678 Seminar in Music Technology (3) This course exposes the student to history of music technology, waveform and waveform manipulation, analog synthesizers, digital technology and microcomputers, recording studios, and MIDI. A major laboratory project will be completed by each student in the Music Technology Laboratory. Requisites: PERM from instructor.

679 Topics in Music + (1-3) Specialized topics of narrow scope which lend themselves to presentation as short courses in music education, music theory, music literature, and music history.

683 Piano Literature (2) A survey of piano repertoire from 1700 to the present. Requisites: PR, MUS 183 or PERM.

684 Organ Literature (2) Historical and analytical study of organ literature from the Renaissance to the present. Requisites: PR, MUS 183 or PERM.

685 Song Literature (2) A study of solo song from 1600 to the present, concentrating on representative composers and works of German, French, Italian, English, and American origin. Requisites: PR, MUS 183 or PERM.

Graduate Credit

870 Workshop II + (1-3) Intensive, short-term courses in various areas of music and music and music teaching.

873 Seminar in Music + (2) Intensive study of special problems and topics in various areas of music, music theory, music history, music literature, music education, and pedagogy.

Music Education

Undergraduate Credit

277 Early Field Experience: Music Education + (1-3) Students enrolled may acquire experience in teaching music at any level in the public schools.
287 Conducting and Score Reading I (1) Basic principles of conducting technique: study, marking, reading, and interpretation of musical scores. Requisites: PR, MUS 183.

288 Conducting and Score Reading II (1) Continuation of MUS 287 but with emphasis on rehearsal procedure. Requisites: PR, MUS 287.

289 Conducting and Score Reading III (2) Continuation of MUS 288 with an emphasis on laboratory experiences in conducting in the student's area of musical emphasis (choral, orchestral, or instrumental). Requisites: PR, Successful completion of MUS 287 and MUS 288.

366 Elementary School Music (2) For non-music majors. Designed to equip the classroom teacher with skills, methods, and content of the elementary school music program. PERM.

401 Band Techniques and Materials I (2) Organization and administration of the public school band program. Requisites: PR, MUS 183 and MUS 287 or concurrent enrollment.

402 Band Techniques and Materials II (3) A continuation of MUS 401. Study of instrumental literature and advanced rehearsal techniques for public schools. Requisites: PR, MUS 287 and MUS 401.

403 Secondary School Choral Methods (3) Instruction and practice in the methods of directing school choral groups at the secondary level. Requisites: PR, MUS 287.

404 String Methods (2) Designed to teach knowledge of and functional performance ability on string instruments sufficient to teach beginning students effectively in groups. Requisites: PR, MUS 183.

405 Woodwind Methods (2) Designed to teach knowledge of and functional performance ability on woodwind instruments sufficient to teach beginning students effectively in groups. Requisites: PR, MUS 183.

406 Brass Methods (2) Designed to teach knowledge of and functional performance ability on brass instruments sufficient to teach beginning students effectively in groups. Requisites: PR, MUS 183.

407 Percussion Methods (1) Designed to teach knowledge of and functional performance ability on percussion instruments sufficient to teach beginning students effectively in groups. Requisites: PR, MUS 183.

408 Orchestral Organizational Techniques (3) Examination, analysis, and discussion of problems related to orchestral music in the public schools.

410 Jazz Ensemble Methods (1) Designed to equip the beginning teacher with skills needed to establish, rehearse, and maintain the jazz ensemble program in the public school. Requisites: PR, MUS 287 or concurrent enrollment.

470 Workshop I+ (1-3) Intensive, short-term courses in various areas of music and music teaching.

Undergraduate/Graduate Credit

604 Advanced Choral Conducting + (2) Advanced study in conducting technique and score preparation. Emphasis on expressiveness, styles, and schools of thought in choral music. Practical experience in rehearsing choral ensembles. Requisites: PR, MUS 288.

605 Advanced Instrumental Conducting + (2) Advanced work in the study and conducting of scores, with emphasis on instrumental works. Requisites: PR, MUS 288.

611 Opera Production + (1-4) Approaches to performing roles in musical stage productions. Preparation and performance of scenes from opera repertoire by members of the class. Requisites: PERM.

612 Elementary School Music Methods (3) Designed to equip students with the knowledge and skills required to teach general music at the elementary level in the public schools.

613 Advanced Elementary School Music Methods (3) Continuation of MUS 612. Application of basic techniques and skills of teaching singing, rhythmic activities, movement activities, instrumental activities, music reading activities, and ear training activities within a comprehensive teaching framework of performance, analysis, and composition. Requisites: PR, MUS 612.

614 General Music in the Middle School (2) Methods of teaching history and appreciation, music reading, and basic theory in the middle school and junior high school levels. Requisites: PR, MUS 287.

615 Vocal Techniques and Materials (3) A study of methods in the teaching of singing. Emphasis on literature suitable for the voice student of high school age. Requisites: PR, two semesters of private instruction in voice.

616 Piano Techniques and Materials (3) A general survey of the materials and methods of piano teaching.

617 Pedagogy + (1-2) Techniques and materials for specialized instruction in performance. A music fee is charged to part-time students. Special fees: lab fees.

662 Instrumental Arranging (3) Scoring for separate string, woodwind, and brass choirs, with particular emphasis on scoring for groups of less than superior quality and technical proficiency. Requisites: PR, MUS 183.

675 Apprenticeship in Music + (1-3) Students enrolled may acquire experience in teaching music at the college level.

677 Internship in Music + (1-3) Students enrolled may acquire experience in teaching music at any level in the public schools.

679 Topics in Music + (1-3) Specialized topics of narrow scope which lend themselves to presentation as short courses in music education, music theory, music literature, and music history.

Graduate Credit

870 Workshop II + (1-3) Intensive, short-term courses in various

areas of music and music and music teaching.

873 Seminar in Music + (2) Intensive study of special problems and topics in various areas of music, music theory, music history, music literature, music education, and pedagogy.

Research and Thesis

Graduate Credit

875 Final Seminar (2) Investigation of problems in musicology, music theory, and music education. Stress is placed on formation of broad areas and articulation of ideas. Final comprehensive examination requirement is included as a part of the seminar activity.

899 Thesis (4-6) Candidates with a major in theory/composition may elect to write an original composition designed for a large vocal and/or instrumental ensemble. This shall be performed by a departmental ensemble when practicable.

Theatre

Undergraduate Credit

120 Introduction to Theatre* # (3) Overview of theatre. Students will be exposed to theatre history, play scripts, and the process of producing plays. Co-requisite THTR 120L required only for communication majors. Requisites: co-requisite, THTR 120L**.**

121 Interpretative Reading (3) Vocal and physical techniques necessary for the effective interpretation of prose, poetry, and dramatic literature. Students analyze and perform literature in all three areas.

122 Acting (3) Introduction to skills necessary for development of individual acting tools. Vocal and physical work, script analysis, freeing the imagination, and getting acquainted with the concept of "performance."

223 Makeup (3) The student will learn the process of designing and executing stage makeup with emphasis on character analysis and its relationship to the actor.

224 Stagecraft (3) Basic techniques of scenery construction and painting. Includes lab work.

226 Rehearsal and Performance + (1-2) Analysis and production of a dramatic work. Involves rehearsal of play and participation in the final production. Requisites: PERM.

236 Summer Theatre Workshop + (3-6) Contents vary. Examples: (A) mini courses in various aspects of theatrical skills; (B) repertory company; and (C) touring children's theatre production. Maximum for credit: two summers.

326 Costumes History and Design (3) A survey of costuming Ancient Egypt to modern times. Principles of designing costumes. Some work with construction techniques.

328 Theatre Workshop + (1-3) Practical experience and application of skills through working on university theatre productions.

361 Directing (3) Theory and practice in the basic skills of staging dramatic scripts for the theatre. Students will analyze and direct scenes from contemporary and classic plays.

Undergraduate/Graduate Credit

661 Advanced Acting + (3) Contents vary. Examples: (A) advanced scene work; (B) production of a period play. May be repeated for credit if subject matter is different each time. Requisites: PR, THTR 122 or PERM.

662 Creative Dramatics/Children's Theatre (3) Creative dramatics and improvisational games used to develop imaginative sensitivity and theatrical ability in young people. Should be of particular interest to students intending to teach.

663 Advanced Directing (3) A theoretical and practical workshop in producing and directing plays. Students will stage one-act plays for public performance. Requisites: PR, THTR 361 or PERM.

665 Theatre Management (3) Provides knowledge of and practical experience with activities involved in managing a theatre: season ticket campaigns, publicity, box office procedures, and house management.

667 Survey of Drama I (3) A survey of theatre history and plays representing the major trends of classical theatre from the Greeks through the 18th century. Prerequisite: THTR 120.

669 Survey of Drama II (3) A survey of theatre history and plays representing the major trends of theatre from the 19th century to the present. Prerequisite: THTR 120.

670 Problems in Staging + (3) Contents vary. Practical solving of staging problems specific to particular theatrical genres, periods of history, and types of play scripts.

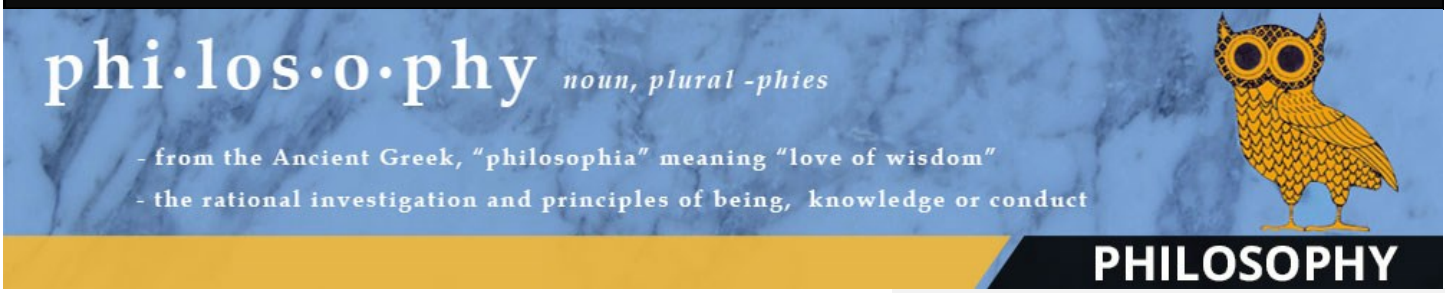
671 Lighting (3) The mechanics of stage lighting; electricity, instruments, control; and the design process: color, light plots, cue sheets, and theories. Includes lab work. Requisites: PR, THTR 224 or PERM.

672 Scene Design (3) Interpretation of plays in scenic terms and the study of principles of designing for the stage. Requisites: PR, THTR 224 or PERM.

675 Playwriting/Screenwriting (3) An opportunity to learn and practice the craft of writing dramatic scripts for the theatre and motion pictures. Dramas developed in this course may receive production in department's directing program.

*General Education Course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Philosophy



What is philosophy? Philosophy is an academic discipline that draws together questions and knowledge from all the other disciplines and infuses them with our own, real-life experiences so that we can better understand ourselves and our place in the order of things.

Who studies philosophy?

Independent thinkers like you.

People who want to live meaningful lives and contribute to the common good.

Philosophy is the major of choice for people who not only want to be challenged, but also want that challenge to pay off in excellent job-market preparation through interesting, mind-expanding courses and hands-on, experiential learning.

Philosophy at FHSU:

FHSU's On-Campus and Online Philosophy degrees prepare you to succeed in a current job or to take advantage of tomorrow's shifting workplace. How? When you study philosophy, you acquire skills and qualities that today's and tomorrow's employers desperately seek in employees:

- Advanced critical thinking
- Creative problem-solving
- Moral training that helps you find 'win-win' solutions to human problems
- Sensitivity to global and environmental issues
- The ability to understand the viewpoints of people from other cultures and perspectives
- A superior ability to state your views, verbally and in writing

So, what do you think? Ready to tackle the big questions of life along with other big thinkers like Epicurus, Thomas Aquinas, Susan Langer, Confucius, Simone de Beauvoir, and Rene Descartes? Ready for a challenge that pays off in intellectual agility and superior job-market preparation? If so, then contact The Department of Philosophy or email its Chair, Dr. Miller, today.

Undergraduate Degrees

Bachelor of Arts: Philosophy

Certificates

Certificate in General Philosophy
Certificate in Moral and Political Philosophy
Certificate in Philosophy of Religion

Minors

Minor in Philosophy

Department of Philosophy Faculty & Staff

Chair: Carl Miller
Professors: Eugene Rice, Douglas Drabkin
Associate Professors: Carl Miller
Assistant Professors: David Tostenson, Rob Byer, Peter Tramel, Jeremy Delong
Emeritus Faculty: Paul Faber, Stephen Tramel, Richard Hughen
FHSU Online Faculty: Rachel Cronn, Kevin Amidon, Karen Burrows, Jeremy Carlton, Tony Karlin, Masyn Phoenix, TJ Reilley, Walt Schrepel, Jason Southworth, Ruth Tallman
Department Staff: Jodie Wear-Leiker, *Administrative Assistant*

See department page online for full listing

Bachelor of Arts: Philosophy

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

Philosophy Core

A total of 18 hours from...

Course Code	Course Title	Cred-
PHIL 100	General Logic	3
PHIL 200	Philosophy of Knowledge	3
PHIL 220	Classical Greek Philosophy	3
PHIL 320	Foundations of Modern Philosophy	3
PHIL 340	Ethics	3
PHIL 499	Senior Thesis	3

Major Electives

A total of 12 credits from...

Code	Course Title	Credits
IDS 400	Bioethics	3
IDS 401	Ethical Issues in Professions & Business	3
PHIL 120	Introduction to Philosophy	3
PHIL 140	Philosophy & the Bible: Old Testament	3
PHIL 170	World Religions	3
PHIL 201	Political Philosophy	3
PHIL 240	Philosophy and the Bible: New Testament	3
PHIL 350	Philosophy of Mind	3
PHIL 360	Philosophy of Religion	3
PHIL 370	Eastern Philosophy	3
PHIL 401	Philosophy of Law	3
PHIL 458	Philosophy of Art	3
PHIL 476	Apprenticeship in Philosophy	3
PHIL 490	Topics in Philosophy	3
PHIL 676		

Electives

Choose 25 credits from…..

Free Electives	25

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Minor in Philosophy

The minor in Philosophy allows you to take part in philosophical discussion, training your ability to think critically, evaluate, and connect disciplines, while still maintaining your primary degree focus. The Minor in Philosophy requires 20 Hours of coursework in any combination of courses.

Minor in Philosophy

Choose 7 courses from the following...

Course Code	Course Title	Credits
PHIL 100	General Logic	3
PHIL 200	Philosophy of Knowledge	3
PHIL 220	Classical Greek Philosophy	3
PHIL 320	Foundations of Modern Philosophy	3
PHIL 340	Ethics	3
IDS 400	Bioethics	3
IDS 401	Ethical Issues in Professions & Business	3
PHIL 499	Senior Thesis	3
PHIL 120	Introduction to Philosophy	3
PHIL 140	Philosophy & the Bible: Old Testament	3
PHIL 170	World Religions	3
PHIL 201	Political Philosophy	3
PHIL 240	Philosophy and the Bible: New Testament	3
PHIL 350	Philosophy of Mind	3
PHIL 360	Philosophy of Religion	3
PHIL 370	Eastern Philosophy	3
PHIL 401	Philosophy of Law	3
PHIL 458	Philosophy of Art	3
PHIL 476	Apprenticeship in Philosophy	3
PHIL 490	Topics in Philosophy	3

Certificates in Philosophy

General Philosophy Certificate

Choose 9 hours from the following...

Course Code	Course Title	Credits
PHIL 100	General Logic	3
PHIL 120	Introduction to Philosophy	3
PHIL 200	Philosophy of Knowledge	3
PHIL 220	Classical Greek Philosophy	3
PHIL 320	Foundations of Modern Philosophy	3
PHIL 350	Philosophy of Mind	3
PHIL 458	Philosophy of Art	3
PHIL 490	Topics in Philosophy (must be approved)	3

Moral & Political Certificate

Choose 9 hours from the following...

Course Code	Course Title	Credits
IDS 400	Bioethics	3
IDS 401	Ethical Issues in Professions & Business	3
PHIL 201	Political Philosophy	3
PHIL 340	Ethics	3
PHIL 401	Philosophy of Law	3
PHIL 490	Topics in Philosophy (must be approved)	3

Philosophy & Religion Certificate

Choose 9 hours from the following...

Course Code	Course Title	Credits
PHIL 140	Philosophy & the Bible: Old Testament	3
PHIL 170	World Religions	3
PHIL 240	Philosophy & the Bible: New Testament	3
PHIL 360	Philosophy of Religion	3
PHIL 370	Eastern Philosophy	3
PHIL 490	Topics in Philosophy (must be approved)	3

Course Listing - Department of Philosophy

Undergraduate Credit

100 General Logic* (3) An introduction to induction, deduction, and common fallacies, the primary aim of the course being to develop skill in applying basic principles of sound reasoning.

120 Introduction to Philosophy* (3) An introduction to perennial philosophical questions concerning topics such as knowledge, doubt, God, freedom, necessity, good and evil, immortality, time, the cosmos, and the meaning of life, and to some of the most noteworthy attempts to answer them.

140 Philosophy and the Bible: Old Testament (3) A study of the Old Testament, focusing on how it came to be written, on the social, cultural, and physical worlds it describes, on the meaning and interpretation of important passages and books, and especially on philosophical questions it raises, such as those concerning the problems of evil, the creation and evolution debate, and the relation between ethics and religion.

170 World Religions (3) A study of the world's major religious traditions, including Hinduism, Buddhism, Judaism, Christianity, and Islam. Students will explore the basic histories and beliefs of these religions as well as some of the ethical issues that arise from modern practitioners. The course will also consider related philosophical questions such as the definition of religion and the relation of religion to morality and the good life.

200 Philosophy of Knowledge (3) A study of philosophical questions about knowledge, such as whether it can be defined, whether it is one thing in the sciences and something entirely different in the humanities or in mathematics, and to what extent it is achievable by and desirable for human beings.

201 Political Philosophy (3) A critical introduction to topics such as state authority, human rights, justice, liberty, and equality, which are at the heart of understanding the nature of politics and what it is to live responsibly in society.

220 Classical Greek Philosophy (3) A study of topics such as the fundamental nature of reality, the place of human beings in reality, the difference between knowledge and opinion, the nature of the good life, and the concept of freedom, through selections from the writings of the principle philosophers of the ancient Mediterranean world, especially Plato and Aristotle.

240 Philosophy and the Bible: New Testament (3) A study of the New Testament, focusing on how it came to be written, on the social, cultural, and physical worlds it describes, on the meaning and interpretation of important passages and books, and especially on philosophical questions it raises, such as those concerning Jesus' divinity, the Trinity, the Resurrection, Salvation, and the relation between ethics and religion.

320 Foundations of Modern Philosophy (3) A study of topics such as the mind-body problem, the quest for certainty, the justification of governmental authority, and the place of values in a mechanistic world, through selections from the writings of the principal philosophers of the 17th and 18th centuries, including Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant.

340 Ethics* (3) A critical examination of attempts by philosophers to understand the moral dimension of human life, which involves topics such as good and evil, rights and duties, reason and emotion, and the objectivity of values.

350 Philosophy of Mind (3) An overview of fundamental topics in the philosophy of mind such as whether or not mental processes are physical, the puzzle of mental causation, the nature of consciousness and intentionality, and the similarity of minds to computers.

360 Philosophy of Religion (3) A study of questions which arise in philosophical reflection of beliefs and concepts central to Judaism, Christianity, and Islam, such as whether God can be defined, whether God's existence can be proven, and whether faith in God is reasonable given the variety and extent of suffering in the world.

370 Eastern Philosophy (3) A study of the wisdom found in Asian traditions such as Hinduism, Buddhism, Daoism, and Confucianism. Topics may include atman, karma, reincarnation, nirvana, and yin-yang philosophy. Special attention will be paid to manner in which such beliefs arise out of personal experience and are instantiated in practices such as yoga, meditation, and nonduality.

401 Philosophy of Law (3) A study of topics such as the nature of law, the relation of morality to the law, the moral justification of the use of coercion in enforcing the law, the significantly different types of law, and challenges to traditional understandings of the law.

458 Philosophy of Art (3) A study of philosophical questions about artistic creation and aesthetic experience, such as whether art can be defined, whether aesthetic value judgments can be justified rationally, how aesthetic values relate to ethical and religious values, and what the proper role of art is in a life well lived.

476 Apprenticeship in Philosophy (1-3) A supervised practical experience in teaching and administering courses in philosophy. The content of this course will vary from semester, and students may enroll more than once.

490 Topics in Philosophy A study of a particular philosopher or philosophical topic not otherwise available in the curriculum. The content of this course will vary from semester to semester, and students may enroll more than once.

499 Senior Thesis (3) A tutorial course for senior philosophy majors the aim of which is to conduct a philosophical inquiry into a topic of interest to the student, produce a detailed essay on the topic, and present it to a public gathering of faculty and students. Requires permission of instructor.

Undergraduate/Graduate Credit

672 Readings in Philosophy + (1-3) A tutorial course intended for those with some concentration in philosophy. The content of this course will vary from semester to semester, and students may enroll more than once. Requires permission of the instructor.

675 Seminar in Philosophy + (1-3) An intensive examination of a particular philosopher or philosophical topic. The content of this course will vary from semester to semester, and students may enroll more than once.

*General Education Course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Political Science

In Political Science at Fort Hays State University, we study American and international politics, law and policy. We combine theoretical coursework, hands-on practice and real world experience to help you **build an unmatched network of skills that prepares you for law school, graduate school, or the career or your choice.**

Political Science at FHSU:

Our curriculum allows you room to **customize your program** to align with your interests. You'll build a network of skills that will prepare you to **effect change and succeed in many careers**. You'll hone skills like:

- Critical thinking
- Creative reasoning
- Leadership
- Interacting with diverse populations
- Awareness of local and global issues
- Conceptualizing and marketing ideas
- The ability to understand the viewpoints of people from other cultures and perspectives
- A superior ability to state your views, verbally and in writing

FHSU Political Science students' interests go beyond 'politics as usual; they're also passionate about the political spectrum that lies between and beyond red and blue. They're interested in law school, non-profit work and think tanks. They want to take the lead in activism, blog about politics or manage an international business.

But even though our graduates may move on to diverse, fulfilling careers, they start with one thing in common: **Our students want to change the world**, whether it's on the other side of the globe or in our own back yard. If that sounds like you, we invite you to learn more about our programs in Political Science.

Undergraduate Degrees

Bachelor of Arts: Political Science

Bachelor of General Studies:

Political Leadership and Public Service

Graduate Degrees

Master of Liberal Studies: Global Studies

Master of Liberal Studies:

Political Leadership and Public Service

*Master of Liberal Studies: Public Administration

*Master of Liberal Studies: Political Science

Master of Professional Studies:

Political Management

Minor

Minor in Political Science

Certificates

International Studies Certificate

Paralegal Studies Certificate

Political Management Certificate

Pre-Law Certificate

Public Administration Certificate

On-line concentration only

Department of Political Science Faculty & Staff

Chair: Dr. Larry Gould

Professors: Dr. Josephine Squires, Dr. Jian Sun

Associate Professors: Dr. Darrell Hamlin

Assistant Professors: Dr. Jay Steinmetz, Dr. Christopher Olds, Dr. Wendy Rohleder-Sook

Online Advisor: Maggie McCombs

Department Staff: Krissy Allacher, *Senior Administrative Assistant*

See deparment page for full listing

Bachelor of Arts: Political Science

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

Political Science Core

A total of 22 hours from...

Code	Course Title	Credits
PHIL 201	Political Philosophy	3
POLS 100	Orientation to Political Science	3
POLS 101	American Government	3
POLS 180	Introduction to Political Science	3
POLS 230	Introduction to International Relations	3
POLS 455	Research Methods in Political Science	3
POLS 490	Senior Capstone	3
POLS 689	Internship in Political Science	1

Political Science Subfields

12 hours, including a seminar

⇒ Must take a minimum of 3 credit hours from 4 of the 5 subfields.

⇒ Must take at least one Political Science seminar. Seminars may count toward subfields as approved by advisor.

⇒ Not all courses are offered annually. Some are offered once a year, every other year, or every few years.

⇒ Courses are 3 credit hours unless otherwise noted.

American Government

Code	Course Title	Credits
POLS 103	State and Local Government	3
POLS 401	The Congress	3
POLS 403	The Presidency	3
POLS 660	Political Campaign Managed	3
POLS 661	American Political Parties	3
POLS 664	Political Behavior	3
POLS 665	Interest Groups and Lobbying	3

International Relations /Comparative Politics

Code	Course Title	Credits
POLS 180	Model UN (required)	1-4
POLS 240	Comparative Governments of Industrialized Societies	3
POLS 630	International Org. in World Politics	3
POLS 631	American Foreign Policy	3
POLS 632	Problems and Issues in World Politics	3
POLS 640	Comparative Politics	3

Bachelor of Arts: Political Science (…. continued)

Legal Studies / Pre-Law

Code	Course Title	Credits
POLS 320	Introduction to Law (required)	3
PHIL 310	Philosophy of Law	3
POLS 422	Legal Advocacy	3
POLS 425	Legal Research Methods	1-3
POLS 620	Constitutional Law	3
POLS 621	American Civil Liberties	3

Political Theory

Code	Course Title	Hours
POLS 650	History of Political Thought	3
POLS 651	Recent Political Theories	3
PHIL 310	Philosophy of Law	3
POLS 653	American Political Thought	3

Public Administration / Public Policy

Code	Course Title	Hours
POLS 310	Intro to Public Administration	3
POLS 400	Urban Politics	3
POLS 611	Policy Analysis	3
POLS 612	The Administrative Process	3
POLS 616	Public Personnel Management	3
POLS 618	Public Budgeting	3

Electives

Choose 21 credits from…..

Free Electives	21

Totals

A total of 120 credits from...

University Requirements	65
Major Requirements	34
Electives	21
Total	**120**

Bachelor of Science: Political Science

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences (Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Political Science Core

A total of 22 hours from...

Code	Course Title	Credits
PHIL 201	Political Philosophy	3
POLS 100	Orientation to Political Science	3
POLS 101	American Government	3
POLS 180	Introduction to Political Science	3
POLS 230	Introduction to International Relations	3
POLS 455	Research Methods in Political Science	3
POLS 490	Senior Capstone	3
POLS 689	Internship in Political Science	1

Political Science Cognates

A total of 9 hours from...

Code	Course Title	Credits
BIOL 200	Humans and the Environment	3
MATH 250	Elements of Statistics	3
IDS 400	Bioethics	3
GSCI 240	Intro. to Geographic Info. Systems	3
INF 610/ POLS 610	Public Policy, Law, Ethics in Telecommunications	3

Political Science Subfields

12 hours, including a seminar

⇒ Must take a minimum of 3 credit hours from 4 of the 5 subfields.

⇒ Must take at least one Political Science seminar. Seminars may count toward subfields as approved by advisor.

⇒ Not all courses are offered annually. Some are offered once a year, every other year, or every few years.

⇒ Courses are 3 credit hours unless otherwise noted.

American Government

Code	Course Title	Credits
POLS 103	State and Local Government	3
POLS 401	The Congress	3
POLS 403	The Presidency	3
POLS 660	Political Campaign Managed	3
POLS 661	American Political Parties	3
POLS 664	Political Behavior	3
POLS 665	Interest Groups and Lobbying	3

International Relations /Comparative Politics

Code	Course Title	Credits
POLS 180	Model UN (required)	1-4
POLS 240	Comparative Governments of Industrialized Societies	3
POLS 630	International Org. in World Politics	3
POLS 631	American Foreign Policy	3
POLS 632	Problems and Issues in World Politics	3
POLS 640	Comparative Politics	3

Bachelor of Science: Political Science

Legal Studies / Pre-Law

Code	Course Title	Credits
POLS 320	Introduction to Law (required)	3
PHIL 310	Philosophy of Law	3
POLS 422	Legal Advocacy	3
POLS 425	Legal Research Methods	1-3
POLS 620	Constitutional Law	3
POLS 621	American Civil Liberties	3

Political Theory

Code	Course Title	Hours
POLS 650	History of Political Thought	3
POLS 651	Recent Political Theories	3
PHIL 310	Philosophy of Law	3
POLS 653	American Political Thought	3

Public Administration / Public Policy

Code	Course Title	Hours
POLS 310	Intro to Public Administration	3
POLS 400	Urban Politics	3
POLS 611	Policy Analysis	3
POLS 612	The Administrative Process	3
POLS 616	Public Personnel Management	3
POLS 618	Public Budgeting	3

Electives

Choose 11 credits from…..

Free Electives	11

Totals

A total of 120 credits from...

University Requirements	55
Major Requirements	34
Electives	21
Total	**120**

Bachelor of General Studies: Political Leadership and Public Service

University Degree Requirements

A total of 45 credits from...

General Education Required Courses:	Credits
English Composition I and II	6
Computer Literacy Course (MIS 101)	3
Distribution Courses (3 departments represented in each area)	
Humanities (Art, Communication Studies, English, Foreign Language, Music and Philosophy)	12
Mathematics and Natural Sciences (Biological Sciences, Chemistry, Geosciences, Mathematics and Physics)	12
Social and Behavioral Sciences (Economics, History, Multiculturalism, Political Science, Psychology and Sociology)	12

Area of Emphasis

A total of 21 credit hours from...

Course Code	Course Title	Credits
POLS 320	Introduction to Law	3
POLS 665	Interest Groups and Lobbying	3
	Choice of one of the following:	3
PHIL 201	Political Philosophy	
POLS 621	American Civil Liberties	
POLS 650	History of Political Theory	
POLS 651	Recent Political Theories	
POLS 653	American Political Thought	
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Fieldwork in Leadership Studies	3
LDRS 640	Civic Leadership	3

Open Electives

54 Credit Hours (recommended courses below)

Course Code	Course Title	Credits
LDRS 450	Advanced Leadership Behaviors	3
LDRS 480	Leadership and Team Dynamics	3
LDRS 670	Leadership and Personal Development	3
POLS 620	Constitutional Law	3
POLS 664	Political Behavior	3
IDS 468	Political Communication	3
COMM 100	Fundamentals of Oral Communication	3
COMM 601	Persuasion	3
COMM 604	Interpersonal Communication	3
INT 250	Introduction to Web Development	3

Totals

A total of 120 credits from...

University Requirements	45
Concentration / Electives	75
Total	**120**

Minor in Political Science

The Minor in Political Science is a convenient way to add a second area of academic focus because:

- The minor is comprised of ANY 20 hours of Political Science (POLS) credit.
- You are allowed to 'double dip'; you can use General Education courses (POLS 101, POLS 105, or POLS 230) to satisfy both General Education and Political Science Minor requirements.

If you're interested, we invite you to talk to a Department of Political Science faculty member to select an appropriate set of 20 hours that will match your goals. For instance, you might choose to do 20 hours in pre-law courses, or focus more on courses that explore policy-making.

Certificates in Political Science

Paralegal Certificate 18 hours from...

Code	Course Title	Credits
BCOM 250	Word Processing Applications	3
BCOM 301	Business Communication	3
POLS 320	Introduction to Law	3
POLS 425	Legal Research Methods	3
IDS 401	Ethical Issues in Professions & Business	3
Elective	Students can choose with permission	3

Political Management 15 hours from...

Code	Course Title	Credits
POLS 660	Political Campaign Management (required)	3
POLS 103	State and Local Government	3
POLS 664	Political Behavior	3
POLS 665	Interest Groups and Lobbying	3
POLS 600	The Presidency	3
POLS 401	Congress	3
POLS 661	American Political Parties	3
IDS 468	Political Communication (required)	3

Pre-Law / Legal Studies 15 hours from...

Code	Course Title	Credits
POLS 320	Introduction to Law (required)	3
	Choose 3 from the following:	
POLS 422	Legal Advocacy	3
POLS 425	Legal Research Methods	3
POLS 620	Constitutional Law	3
POLS 621	American Civil Liberties	3
GBUS 204	Business Law I	3
JUS 331	Criminal Law and Procedure	3

Public Administration 15 hours from...

Code	Course Title	Credits
POLS 310	Introduction to Public Administration (required)	3
POLS 611	Policy Analysis	3
POLS 612	The Administrative Process	3
POLS 618	Public Budgeting	3
POLS 616	Public Personnel Management	3

Master of Liberal Studies: Global Studies

Core Curriculum

A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of the Knowledge Society	3
IDS 804	Information Literacy	3

Culminating Experience

A total of 3 credits from...

Code	Course Title	Hours
POLS 873	Problems in Political Science	3

Students should successfully complete IDS 805 before enrolling in other concentration courses.

Concentration

A total of 18 credits from...

Code	Course Title	Hours
IDS 805	Global Challenges (required)	3

Choose 15 credits from the list below. No more than 6 credits from any one department.

ECFI 644	International Economics	3
HHP 610	Global Health	3
INT 660	Global Telecommunications Policy	3
INT 610	Public Policy, Law, and Ethics in INT	3
INT 684	Foundations of Information Systems Security	3
LDRS 800	Organizational Leadership	3
POLS 611	Policy Analysis	3
POLS 630	International Organizations & World Politics	3
POLS 631	American Foreign Policy	3
POLS 632	Problems and Issues in World Politics	3
SOC 681	NGOs: Global Social Innovation	3

Master of Liberal Studies: Political Leadership and Public Service

Core Curriculum

A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of the Knowledge Society	3
IDS 804	Information Literacy	3

Culminating Experience

A total of 3 credits from...

Code	Course Title	Hours
IDS 820	Projects in Liberal / Professional Studies	3
	OR	
IDS 890	Internship in Liberal Studies	3
	OR	
POLS 873	Problems in Political Science	3

Concentration

A total of 18 credits from...

Required courses (12 credit hours)

Code	Course Title	Hours
LDRS 818	Ethical Leadership	3
LDRS 640	Principles of Civic Leadership	3
LDRS 812	Advanced Leadership Theories	3
COMM 810	Organizational Communication and Leadership	3

One of the following:

POLS 621	American Civil Liberties	3
POLS 650	History of Political Theory	3
POLS 651	Recent Political Theories	3
POLS 653	American Political Thought	3

One of the following:

POLS 664	Political Behavior	3
POLS 665	Interest Groups and Lobbying	3

Master of Liberal Studies: Public Administration

Core Curriculum

A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of the Knowledge Society	3
IDS 804	Information Literacy	3

Culminating Experience

A total of 3 credits from...

Code	Course Title	Hours
POLS 873	Problems in Political Science	3

Concentration

A total of 18 credits from...

Required courses

Code	Course Title	Hours
POLS 611	Policy Analysis	3
POLS 612	Administrative Process	3
POLS 616	Public Personnel Management	3

Choose the remaining 9 hours from the following courses.

INT 610	Public Policy, Law, and Ethics in INT	3
INT 658	Law of Cyberspace	3
COMM 606	Conflict Management	3
COMM 611	Organizational Culture and Climate	3
COMM 640	Public Relations	3
COMM 810	Org. Communication & Leadership	3
LDRS 800	Organizational Leadership	3
LDRS 880	Seminar: Ethical Leadership	3
LDRS 880	Seminar: Supervisory Leadership	3
JUS 610	Criminal Justice Organizational Structures	3
POLS 620	Constitutional Law	3
POLS 672	Readings in Political Science	3
POLS 675	Seminar: Budgeting	3

Master of Liberal Studies: Political Science

Core Curriculum

A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of the Knowledge Society	3
IDS 804	Information Literacy	3

Culminating Experience

A total of 3 credits from...

Code	Course Title	Hours
POLS 873	Problems in Political Science	3

Concentration

A total of 18 credits from...

Required courses

Code	Course Title	Hours
POLS 611	Policy Analysis	3
POLS 612	Administrative Process	3
POLS 616	Public Personnel Management	3
POLS 620	Constitutional Law	3
POLS 621	American Civil Liberties	3
POLS 631	American Foreign Policy	3
POLS 664	Political Behavior	3
POLS 672	Readings in Political Science (repeatable)	3
POLS 675	Seminar in Budgeting (or other seminars)	3

Master of Professional Studies: Political Management

Core Curriculum

A total of 9 credits from...

Code	Course Title	Hours
POLS 856	Advanced Research Methods	3
IDS 804	Information Literacy	3
POLS 664	Political Behavior	3

Major Curriculum

A total of 9 credits from...

Code	Course Title	Hours
POLS 660	Political Campaign Management	3
POLS 863	Political Electioneering Organizations	3
GBUS 802	Management and Marketing Concepts	3

Cognates / Electives

Choose 9 credit hours from the following...

Code	Course Title	Hours
LDRS 807	Leadership in Teams and Collaborative Environments	3
MKT 601	Consumer Behavior	3
MKT 609	Strategic Electronic Marketing	3
MGT 605	Entrepreneurship	3
INT 633	Advanced Video Production	3
INT 651	Advanced Web Development	3

Internship

A total of 3 credits from...

Code	Course Title	Hours
POLS 689	Internship	3

Course Listing - Department of Political Science

Undergraduate Credit

100 Orientation to Political Science (3) An introduction to the discipline of Political Science within the framework of a liberal arts education.

101 American Government* (3) An introduction to the constitutional, political, and governmental processes of the national political system.

103 State and Local Government (3) An introduction to state and local governments, including their structures, functions, decision-making, and political processes.

105 Current Political Issues* (3) An introduction to contemporary political issues and to the skills, techniques, and tactics that enhance the effectiveness of citizen participation in American politics.

108 Field Work in Politics + (1-4) A special program of study developed for the individual student emphasizing field participation or simulation in politics.

220 Introduction to the Legal Profession (1) The purpose of this course is to familiarize the potential law student or paralegal with: 1) the process of admission into legal education programs, 2) the typical education model, 3) the legal job market, and 4) the roles of legal assistants, lawyers and judges in American society.

230 Introduction to International Relations* (3) Investigation of the fundamental problems, principles, and characteristics of the modern nation-state system, emphasizing the mechanisms for making choices and managing power.

240 Comparative Governments of Industrialized Societies (3) An introduction to the study of comparative governments emphasizing the political processes and governmental institutions of industrialized societies such as Great Britain, France, Germany, and Japan.

280 Introduction to Public Policy (3) An introduction to Public Policy with an emphasis on developing tools and insights for understanding the forces that shape public policy.

310 Introduction to Public Administration (3) A general survey of the political and managerial factors which affect the administration and management of the public's business.

320 Introduction to the Law (3) A survey of the American legal system emphasizing what lawyers and judges do as professionals, how the law is structured, with the objective of making the legal system intelligible to a consumer of legal services.

361 American Political Parties (3) This class will investigate the history and development of American political parties. Students will learn about why parties form, how they are organized, and the roles parties play. Changes in party identification and their relation to voting are central to the class. Students will also explore how parties act as electioneering organizations and governing bodies at both the national and state levels.

380 Topics in Political Science + (1-3) A topical approach and analysis of selected historical movements, concepts, or current issues. (See class schedule for specific titles.)

400 Urban Politics (3) This class provides an evolutionary look at the growth, continuing adaptation, and politics of both the United States and Kansas metropolitan areas.

401 The Congress (3) An analysis of congress with emphasis on membership recruitments, internal organizations, committees, legislative oversight, and lobbying.

403 The Presidency (3) The office of the president and its place in the political, constitutional, and administrative systems with emphasis on theories of the presidency.

420 LSAT Preparation (1-3) A preparatory course designed to enhance student performance on the law school admission test through analysis of the LSAT sections, study of test-taking strategies, and practice of LSAT questions.

422 Legal Advocacy (3) Designed for juniors and seniors who plan to attend law school or desire an overview of legal advocacy in the American legal system. Course content may include Mock Trial and/or Appellate Advocacy exercises.

425 Legal Research Methods (1-3) An introduction to legal research methods including an exploration of the relationships between sources of law, an understanding of the mechanics of legal research, and familiarity with the FIRAC (facts, issues, rule of law, analysis, conclusion) model of legal analysis.

455 Research Methods in Political Science (3) This course introduces students to the scientific method as it relates to providing insight and answers to political questions. Students will learn the scientific method and research design, and they will apply those methods to politics, collect new and use existing data, and conduct statistical analyses to provide substantive answers to questions related to politics.

457 Advanced Research Methods in Political Science (3) Introduces students to mainframe computing, regression analysis, and the use of the regression model in political science. Students will learn how to use statistical packages such as SPSSX and micro -crunch.

490 Senior Capstone (3) The senior capstone is a culminating experience required for all Political Science majors. Designed for senior students, emphasis is placed on integrating the student's educational experience and preparing the student for graduate school or the professions. Students will conduct an in-depth study of a topic of interest, produce a detailed research paper, and present the paper in an academic setting. Requisites: PR, Senior status or PERM.

Undergraduate/Graduate Credit

609 Field Work in Government+ (1-4) An advanced, special program of study developed for the individual student emphasizing field participation or simulation in politics and government. Requisites: PR; PERM.

610 Public Policy, Law, and Ethics in Telecommunications (3) The study of the regulation of computer networks, the telecommunications industries, and media distributors. Included is a consideration of the following: how regulation affects these industries and how developments in these industries affect public policy and society; how public policy is designated; and the moral and ethical obligations of these industries.

611 Policy Analysis (3) A study of the governmental policy-making process, its formulation, implementation, and evaluation.

612 The Administrative Process (3) An examination of the legal and political implementation procedures in administrative agencies.

616 Public Personnel Management (3) Issues associated with the management of personnel in public agencies, emphasizing the merit system, public employee organizations, and collective bargaining.

618 Public Budgeting (3) This course examines public budgeting and finance from economic, political, cultural and institutional perspectives. It presents an overview of the processes and problems associated with public budgeting and policy.

620 Constitutional Law (3) The constitutional possibilities and limitations on economic, political, and social legislation as determined by U.S. Supreme Court decisions.

621 American Civil Liberties (3) Civil rights in the American constitutional context, emphasizing freedom of religion, expression, association, rights of the accused, equal protection of the law, and due process of law.

630 International Organization in World Politics (3) The role and influence of international organization as a process for institutionalizing and regulating conflict among states and transnational actors.

631 American Foreign Policy (3) A study of the domestic and international systemic factors that condition American foreign policy with emphasis on the contemporary era.

632 Problems and Issues in World Politics (3) Designed for advanced students who desire a more detailed study of the traditional problems and current issues in world politics.

640 Comparative Politics + (3) Theoretical and methodological aspects of comparative politics with emphasis on a particular geographic area.

650 History of Political Theory (3) The writings and significance of great, representative political philosophers from Plato to John Stuart Mill with emphasis on the major classics in western political thought.

651 Recent Political Theories (3) Modern ideologies and political philosophies with emphasis on the political thought of the past 150 years.

653 American Political Thought (3) Major trends in political thought in the U.S. from pre-revolutionary times to the present

with emphasis on the liberal and conservative traditions.

660 Political Campaign Management (3) This course investigates the process of conducting modern American political campaigns. Campaigns require knowledge, including research and planning, that this course provides. Students will learn skills in campaign planning, political strategy, campaign organization, fundraising and campaign finance law compliance, voter outreach, and voter mobilization. Requisites: PR, POLS 101.

664 Political Behavior (3) This class will investigate the development of political science research into voting and other forms of political participation in American politics. Students will learn the two predominant forms of research into voting behavior: survey research and economic models and the differing perspectives on voting turnout, partisanship, and individual vote decisions that they predict.

665 Interest Groups and Lobbying (3) Students will understand the development and the role of American interest groups in a democratic system. Students will also learn the process of lobbying for political influence and the implication of exerting group pressures on politics. Requisites: PR, POLS 101.

670 Workshop in Political Science + (1-3) A short-term, intensive study of a topic, problem, or concept in government, politics, bureaucracy, law, or teaching.

672 Readings in Political Science + (1-3) Directed readings under the supervision of a professor. PERM: permission required.

675 Seminar in Political Science + (0-3) Topics intended for upper-division majors.

676 Apprenticeship in Political Science + (1-3) Directed and supervised experiences in professional problems in political science.

689 Internship in Political Science (1-6) Students who enroll in this class will engage in practical field work in politics such as, but not limited to, working for a political campaign, interning at a law firm, staffing a legislative office, or working in some capacity for a government agency or international organization.

Graduate Credit

856 Advanced Research Methods in Political Science (3) This course guides students through advanced scientific method as it relates to providing insight and answers to political questions. Students will learn research design methods and they will apply those methods to collect new and use existing data, conduct statistical analyses, and provide substantive answers to questions related to politics.

863 Political Electioneering Organizations (3) This course investigates the groups that participate in the modern elections process. The role and impact of such groups will be explored as well as the campaign laws that define the relationships between organizations and campaigns.

873 Problems in Political Science + (1-4) Directed research and methodological issues for graduate students.

* General Education course
+ Course may be repeated
# Lab required
PERM: Permission
PR: Prerequisites

Department of Sociology

Study, Understand, Improve

Globalization, urbanization, diversity, social unrest, terrorism, environmental change, migration, race relations, domestic relations -- this new century brings with it fantastic opportunities and potential challenges! Learn how to successfully navigate this new century and make a lasting impact in the lives of others with an undergraduate degree in sociology.

What is Sociology?

Sociology is the systematic study of social life and the social causes and consequences of human behavior. Studying sociology provides you powerful tools to comprehend and understand issues ranging from world events to relationships in your own life. With a Bachelor of Arts (BA) or Bachelor of Science (BS) in Sociology, you will develop strong critical thinking and problem-solving skills - providing you with a strong foundation for many careers. The Department also offers an Addictions Counseling degree track that will prepare you for Kansas licensure as an addictions counselor (LAC).

Why Choose FHSU?

Gain the knowledge and skills you need to deal with the many challenges in global and local society – and be equipped to make a "life" as well as a "living." Here are a few examples of how this happens:

- Gain a deeper understanding and appreciation of culture, society, and community; and of interplay of social structure and human interaction.
- Examine and help solve existing and new social problems through inquiry, theoretical and evidenced-based techniques, equipping you with the tools and skills you need for success in the workplace or in graduate school.
- Study with faculty who incorporate their experiences and active research agendas into the classroom, exposing you to how sociology knowledge applies in the real world.
- If you are interested in online education, take innovative classes or earn your entire sociology degree without coming to campus.
- Benefit from a wide array of sociology classes not typically available in a department our size, particularly in the areas of grant writing and case management.
- Apply the concepts you learn in the classroom to research, service and internship opportunities, which brings your studies to life and gives you valuable work experience.

Undergraduate Degrees

Bachelor of Arts: Sociology
Bachelor of Science: Sociology

Certificates

Nonprofit Corporation
Community Development
Cultural Anthropology and Globalization
Grant Proposal Writing & Program Evaluation
Life Stages and Transitions
Sociology of Medicine and Aging
Women's and Gender Studies
Eight-Week Grant Writing Program

Minor

Minor in Sociology

Masters Degrees

Masters of Professional Studies: Sociology (Social Entrepreneurship)

Department of Sociology Faculty & Staff

Chair: Brett Zollinger
Professors: Brett Zollinger, Gary D. Brinker, Keith E. Campbell, Pelgy R. Vaz
Associate Professors: Kate McGonigal
Assistant Professors: Christy Craig, D. Nicole English
Instructor: Mike Walker
Lecturer: Roberta K. Martine (FHSU Online)
Department Staff: Dawn Dreher; *Senior Administrative Assistant*

See department page online for full listing

Bachelor of Arts: Sociology

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning courses I and II	10

Sociology Core

A total of 21 hours from...

Code	Course Title	Hours
SOC 140	Introduction to Sociology	3
SOC 145	Principles of Culture	3
SOC 361	Sociological Theory and Literature	3
SOC 362	Methods of Social Research	3
SOC 472	Social Inequality	3
SOC 621	Advanced Sociological Research	3
SOC 470	Grant Writing	3

Addictions Counseling Track

(Optional - 30 hours required)

Code	Course Title	Hours
SOC 672	Workshop: Introduction to Addictions	3
SOC 672	Workshop: Individual Counseling	3
SOC 672	Workshop: Addictions Counseling Families	3
SOC 672	Workshop: Ethics in Addiction Counseling	3
SOC 672	Workshop: Group Counseling….	3
SOC 672	Workshop: Pharmacology and High Risk...	3
SOC 672	Workshop: Psychopathology & Addictions	3
SOC 672	Workshop: Client Management Procedures	3
SOC 677	Internship: Addictions Practicum I	3
SOC 677	Internship: Addictions Practicum II	3

Sociology Electives

15 hours from upper division sociology courses

Code	Course Title	Hours
SOC 310	Introduction to Women's Gender Studies	3
SOC 311	Feminist Theory	3
SOC 320	Sociology through Cinema	3
SOC 325	Popular Culture	3
SOC 333	Global Forces in a Changing World	3
SOC 343	Sociology of Gender Roles	3
SOC 344	Social Deviance	3
SOC 350	Family Communication	3
SOC 352	Stepfamilies	3
SOC 355	Sociology of Death and Dying	3
SOC 375	Medical Sociology	3
SOC 376	U.S. Racial and Ethnic Groups	3
SOC 384	Social Problems	3
SOC 388	Sociology of the Family in America	3
SOC 425	Micro-sociology	3
SOC 435	Demography	3
SOC 460	Comparative Culture and Societies	3
SOC 475	Rural and Urban Sociology	3
SOC 644	Sociology of Aging	3
SOC 365	Social Entrepreneurship	3
SOC 473	Program Development and Evaluation	3
SOC 677	Internship in Sociology: Advanced Grant Writing	3
SOC 679	Community Theory and Development	3
SOC 680	Nonprofit Organizations	3
SOC 681	NGOs: Global Social Innovation	3

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	36
Free Electives	19
Total	**120**

Bachelor of Science: Sociology

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
(Three electives, one laboratory)	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Sociology Core

A total of 21 hours from...

Code	Course Title	Hours
SOC 140	Introduction to Sociology	3
SOC 145	Principles of Culture	3
SOC 361	Sociological Theory and Literature	3
SOC 362	Methods of Social Research	3
SOC 472	Social Inequality	3
SOC 621	Advanced Sociological Research	3
SOC 470	Grant Writing	3

Addictions Counseling Track

(Optional - 30 hours required)

Code	Course Title	Hours
SOC 672	Workshop: Introduction to Addictions	3
SOC 672	Workshop: Individual Counseling	3
SOC 672	Workshop: Addictions Counseling Families	3
SOC 672	Workshop: Ethics in Addiction Counseling	3
SOC 672	Workshop: Group Counseling….	3
SOC 672	Workshop: Pharmacology and High Risk...	3
SOC 672	Workshop: Psychopathology & Addictions	3
SOC 672	Workshop: Client Management Procedures	3
SOC 677	Internship: Addictions Practicum I	3
SOC 677	Internship: Addictions Practicum II	3

Sociology Electives

21 hours from upper division sociology courses

Code	Course Title	Hours
SOC 310	Introduction to Women's Gender Studies	3
SOC 311	Feminist Theory	3
SOC 320	Sociology through Cinema	3
SOC 325	Popular Culture	3
SOC 333	Global Forces in a Changing World	3
SOC 343	Sociology of Gender Roles	3
SOC 344	Social Deviance	3
SOC 350	Family Communication	3
SOC 352	Stepfamilies	3
SOC 355	Sociology of Death and Dying	3
SOC 375	Medical Sociology	3
SOC 376	U.S. Racial and Ethnic Groups	3
SOC 384	Social Problems	3
SOC 388	Sociology of the Family in America	3
SOC 425	Micro-sociology	3
SOC 435	Demography	3
SOC 460	Comparative Culture and Societies	3
SOC 475	Rural and Urban Sociology	3
SOC 644	Sociology of Aging	3
SOC 365	Social Entrepreneurship	3
SOC 473	Program Development and Evaluation	3
SOC 677	Internship in Sociology: Advanced Grant Writing	3
SOC 679	Community Theory and Development	3
SOC 680	Nonprofit Organizations	3
SOC 681	NGOs: Global Social Innovation	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	42
Free Electives	23
Total	**120**

Master of Professional Studies:

Core Curriculum

A total of 9 credits from...

Code	Course Title	Hours
SOC 664	Social Entrepreneurship	3
SOC 621	Advanced Sociological Research	3
SOC 671	Program Development Evaluation	3

Major Curriculum

A total of 12 credits from...

Code	Course Title	Hours
SOC 870	Grant Writing	3
SOC 679	Community Theory and Development	3
SOC 680	Nonprofit Organization	3
SOC 681	NGOs: Global Social Innovation	3

Cognates / Electives

Choose 6 credit hours from the following...

Code	Course Title	Hours
POLS 616	Public Personnel Management	3
MGT 611	Human Resource Management	3
LDRS 640	Principles of Civic Leadership	3
LDRS 650	Principles of Organizational Leadership	3
LDRS 810	Qualitative Research	3
LDRS 818	Ethical Leadership	3
GBUS 802	Management & Marketing Concepts	3
IDS 804	Information Literacy	3
SOC 644	Sociology of Aging	3
SOC 675	Seminar in Sociology: variable topics	3

Internship

A total of 3 credits from...

Code	Course Title	Hours
SOC 677	Internship in Sociology: Advanced Grant Writing	3

Minor in Sociology

Minor in Sociology

A total of 21 credits from...

The minor in sociology can be earned by passing and 21 credit hours of sociology courses. The minor is available both online and on-campus. For more information, contact the department of sociology.

Certificates in Sociology

Nonprofit Corporation 9 hours from...

Code	Course Title	Credits
SOC 365	Social Entrepreneurship	3
SOC 680	Nonprofit Organizations	3
SOC 681	NGOs - Global Social Innovation	3

Community Development 9 hours from...

Code	Course Title	Credits
SOC 679	Community Theory and Development	3
SOC 475	Rural and Urban Sociology ***OR***	
SOC 436	Demography	3
SOC 470	Grant Writing ***OR***	
GSCI 240	Introduction to GIS	3

Cultural Anthropology and Globalization 12 hours from...

Code	Course Title	Credits
SOC 145	Principles of Culture	3
SOC 333	Global Forces in a Changing World	3
SOC 335	Changing Faces of Culture	3
SOC 460	Comparative Cultures and Societies	3
SOC 647	Comparative Cultural Anthropology	3

Grant Proposal Writing and Program Evaluation 9 hours from...

Code	Course Title	Credits
SOC 470	Grant Writing	3
SOC 473	Program Development and Evaluation	3
SOC 677	Internship: Grant Proposal Development	3

Life Stages & Transitions

Choose 12 hours from the following courses…

Code	Course Title	Credits
SOC 343	Sociology of Gender Roles	3
SOC 350	Family Communication	3
SOC 352	Stepfamilies	3
SOC 355	Sociology of Death and Dying	3
SOC 388	Sociology of the Family in America	3
SOC 644	Sociology of Aging	3

Sociology of Medicine and Aging

Choose 12 hours from the following courses…

Code	Course Title	Credits
SOC 375	Medical Sociology	3
SOC 355	Death and Dying	3
SOC 644	Sociology of Aging	3
SOCW 620	Spirituality and Aging	3

Women's and Gender Studies

Choose 12 hours from the following courses…

Required courses

Code	Course Title	Credits
SOC 310	Intro to Women's and Gender Studies	3
SOC 311	Feminist Theory	3

Elective courses (two courses from two different disciplines)

~~Code~~	Course Title	Credits
COMM 600	Nonverbal Codes	3
ENG 327	Introduction to Fiction	3
ENG 692	Theme Studies: Ethnic Literature	3
ENG 395	Comparative Studies in Literature: Global Women's Issues	3
HIST 651	Women in American History	3
JUS 380	Special Topics: Women and Crime	3
JUS 605	Workplace Violence	3
LDRS 420	Women and Leadership	3
PSY 340	Social Psychology	3
PSY 359	Evolutionary Psychology	3
SOC 343	Sociology of Gender Roles	3
SOC 472	Social Inequality	3

Please Note: It is the responsibility of the student to inform the coordinator of the certificate program that he or she has completed the certificate requirements. Your certificate will not be awarded until you have completed the requirements ***and*** informed your coordinator of same. To ensure there is enough time to process your certificate, please inform your coordinator by the 21st day of the semester in which the certificate is to be awarded.

In order to verify certificate completion, the student must go into his/her Workday account, where the unofficial transcript can be found. Simply highlight and copy the whole unofficial transcript or at least the portion that lists the courses necessary to meet the certificate requirements. The student may then paste that copied text that is his/her unofficial transcript into an e-mail message to the certificate coordinator.

Course Listing - Department of Sociology

Undergraduate Credit

100 Orientation to the Discipline (1) For new sociology majors. A general overview of sociology as a scientific discipline and discussion of university resources, career opportunities, university and departmental requirements, and techniques for becoming a successful student.

140 Understanding Society* (3) Provides an understanding of basic concepts and theoretical paradigms and recognizes the contribution of major figures in the discipline. This includes the study of social processes, institutions and relationship of the individual to social structures.

145 Cultural Anthropology (3) An investigation of basic principles associated with all human cultures including historical evolution of culture, using macro-sociological and cultural anthropological perspectives. Specific preliterate and modern cultures are compared and analyzed.

310 Introduction to Women's and Gender Studies (3) This course introduces students to key issues in the study of women and gender - such as class, race, sexuality, family life, work, and political power - and to the various methods of inquiry that different academic disciplines use to examine these issues. The course analyzes what it means to be female in contemporary societies, seeks to discover the historical factors that have shaped the current status of women from all parts of the world, and explores the various means by which women have attempted to achieve equality and empowerment.

311 Feminist Theory (3) This course examines the evolution of feminist thought over the past two centuries and considers the extent to which feminist theories have shaped and been shaped by social, economic, and cultural factors. The course explores a range of theoretical frameworks - including Marxism, Freudian psychoanalytic theory, materialism, radical feminism, and postmodernism - that feminists have applied to important and contested issues, such as the body, subjectivity, sexual difference, diversity, race, sexual orientation, identity politics, and colonialism. Requisites: SOC 310.

320 Sociology through Cinema (3) This course explores sociology, cinema, and society. Students will examine how major sociological concepts (such as social class, race, and gender), social institutions (such as the family, politics, and economics), and cultural and technology are portrayed in various motion pictures. Students will also examine how American society is reflected in motion pictures produced during different eras.

325 Popular Culture (3) This course considers the theoretical basis of media and cultural studies from both a critical and constructionist perspective, taking a close look at the production and consumption of culture. It examines how popular culture in the U.S. manifests in our daily lives through the media and other social institutions and actually reflects and perpetuates social inequities based on class, race, religion, region, age and gender. The course offers a critical perspective on mass media systems, but, more broadly, it engages the student in the world of popular culture as a venue for understanding the influence of media systems' many social structures.

333 Global Forces in a Changing World (3) This course 1] analyzes periods of human cultural development with a special emphasis on recent culture change and global integration (sometimes called globalization) and 2] analyzes and compares the main characteristics of representative modern world cultures (developing, industrial and postindustrial) in the context of the rapid change that is sweeping across the globe.

335 Changing Faces of Culture (3) This course teaches the important skills of program development and evaluation for people who plan to write grant proposals for service agencies. Successful grant proposals have strong proposed programs and evaluations of those programs. Students will develop a fictitious program and prepare an evaluation for that program. Requisites: PR, any Introduction to Social Research course; SOC 670 Grant Proposal Development.

343 Sociology of Gender Roles (3) Traces the consequences of being born male or female. Sex roles are viewed as social constructions which influence and, in some cases, define an individual's life. The formulation, transmission, maintenance, and reformulation of sex roles is examined.

344 Social Deviance (3) Looks at society as a cluster of rules and examines the various categories of rule-breakers. Emphasis on how one comes to be defined as a rule-breaker, what means of social control are employed to ensure conformity, and how some rule-breaking is legitimated.

345 Topics in Anthropology + (1-3) Offers subjects that are not dealt with in the regular curriculum. See the semester class schedule for specific topics.

346 Assertiveness: A Model for Social Interaction (3) Analysis of assertiveness, aggression, and passivity, with applications to everyday life. Special focus on assertiveness as a healthy interpersonal orientation.

348 Topics in Sociology + (1-3) Designed to offer on an irregular basis subjects which are not dealt with in the regular curriculum. See the semester class schedule for specific topics.

350 Family Communication (3) This course provides a framework and perspective for analyzing the family as a communication system. Among topics covered are multigenerational communication, the impact of ethnicity on communication patterns, the role of everyday rituals, the development of intimacy among family members, and the family models and family conflict resolution strategies. Requisites: PR, SOC 140 or permission of instructor.

352 Stepfamilies (3) This course will assist students in exploring the history of stepfamilies and the challenges faced in developing

and maintaining healthy stepfamily relationships. Among topics covered are stepfamily myths, the couple relationships, financial and legal concerns, stages of stepfamily development, stepparenting, children with stepfamilies, adult stepchildren, and the extended family. Requisites: PR, SOC 140 or permission of instructor.

355 Sociology of Death and Dying* (3) A sociological analysis of the meaning and place of death in contemporary society. Attention focused on the factors contributing to the mortality revolution and how this revolution is forcing a reconceptualization of dying, death, and bereavement. Cross-cultural, death-management practices, as well as the American way of death, will be examined. Special focus will be concentrated on emerging problems and the process of institutional reformulation in the area of death and dying.

361 Sociological Theory and Literature (3) An overview of major classical and contemporary sociological theories. An examination comparison/contrast of the theoretical dimensions of the theories. An application of theory to contemporary social phenomena. Requisites: PR, SOC 140 or instructor permission.

362 Methods of Social Research (3) The process of knowledge production and research design. Selected aspects of the philosophy of science and the logic of inquiry are related to the basic techniques of qualitative and quantitative research. Requisites: PR; SOC 140 or PERM.

365 Social Entrepreneurship (3) Every direction we turn in our community and world, there are opportunities to do good by helping others in need through grassroots social action. Social entrepreneurship is defined as the use of innovation to find new ways to help categories of people in need. Although there are hundreds of examples of categories of people in need, here are four: the homeless, frail elderly, teens considering suicide, and abandoned children. This course helps students 1) identify categories of people in need about whom they most care, 2) understand the challenges and successes of existing grassroots social action organizations, 3) learn the principles for designing a grassroots community project to help others in need, and 4) build a grassroots social action project on paper (that can later be initiated if desired by the student). Many students who take this course want to build grassroots social action organizing skills now for use later in life. Some students want to build a career in the area of social entrepreneurship.

375 Medical Sociology (3) An overview of several sociological subjects as they impact public health. These subjects include demographic and social factors and illness, epidemiology, the meaning and experience of illness, health care systems and settings in the US and abroad, an overview of health care providers, and a brief introduction of bioethics. Requisites: PR, SOC 140.

376 U.S. Racial and Ethnic Groups (3) Comparative perspective with emphasis on U.S. multi-ethnic and multicultural relations. Theories of prejudice/discrimination. Demographic trends, stratifications, and monitoring of contemporary issues facing selected U.S. ethnic groups.

384 Social Problems (3) A sociological analysis of many of the major social problems in the U.S., such as inequality, crime, sexism, racism, power, and education. Such problems are examined from several different perspectives.

388 Sociology of the Family in America* (3) A sociological analysis of the family as the basic social institution. Attention focused on the creation, transmission, and reformulation of the rules of sexual behavior, marriage, childbearing, residence, descent, and authority with emphasis on enhancing the ability of individuals to make informed choices.

411 Social Change (3) A survey of theories of social change, emphasizing the problems associated with the concept of change. Differences between dialectical and developmental approaches to social change are explored. The relationship between cultural change and social change is examined.

425 Microsociology (3) Analysis of the influence of social factors on the individual. Focus on psychological sociology, with theoretical and practical application of such processes as conformity, conflict, cooperation, perception, affiliation, etc.

430 Social Organization (3) Examination of the process by which social relations become ordered, structural products of this process; emphasis upon institutions and formal organizations.

436 Demography (3) Examination of national and international population trends (sex ratios, composition, migration, fertility, and mortality) and their singular and interactive impact on societies, their social institutions, and their policymaking strategies and processes.

446 Contemporary Social Movements (3) This course engages students in the study of social movements and political contention occurring in the modern era. The course focuses on the architecture of movement emergence, growth, and decline, from political opportunities and collective action frames to mobilizing resources and developing tactics. Throughout, students will examine competing ideologies and interactions between movements and political institutions.

460 Comparative Cultures and Societies (3) This course will examine social structures, social processes, and social life of people coming from different parts of the world. In addition to providing an overview of cultures of different societies, the course will focus on a number of institutions, for instance, family, education, economics, politics, religion, and healthcare. Particular focus will be given to specific countries in different world regions.

466 Sociology of Sexual Behavior (3) An examination of trends in sexuality, sex roles, fertility, marital, and non-marital relations; parenting and the impact of changing sexual practices on individuals and institutions.

470 Grant Writing (3) Grant money to assist people in need is available for all communities and all categories of people in need in the U.S. and most of the world. However, the competition for this money is normally very high, and only the best conceptualized and best written grant proposals are funded. In this course, students learn how to 1) package their ideas for a grant in the most compelling manners, and 2) prepare each part of a grant proposal

to be as powerful as possible. Grant writing is a highly desired professional skill, and those who have this skill often experience improved job mobility and job security. Some students who take this course seek this professional edge in their careers, while other students want to use their grant writing skill on a volunteer basis. Volunteer grant writing is often done for one's church, a local school, the local fire department or ambulance service – and to meet a vast array of other grassroots community needs.

471 Applied Sociology (3) This course teaches skills for applying theoretical and methodological knowledge of the discipline to real world problems/issues. Students will learn techniques for applying content knowledge and methodological knowledge to the arenas of government, non-profits, and for-profits. Students will also learn how to convey to such entities the importance and utility of their own personal knowledge/skills learned from the discipline. Students will work with a "client" as a requirement of the course. Requisites: PR, SOC 140, SOC 362 or permission of instructor.

472 Social Inequality (3) A theoretical and empirical examination of structured social inequality in societies based on power, privilege, and prestige.

473 Program Development and Evaluation (3) This course provides the opportunity to more intensively investigate several issues introduced in SOC 470, Grant Writing. Students learn how to 1) conduct needs assessments to obtain strong local data to be used when building a program for a grant proposal, 2) build a social program on paper following a 15-step process, and 3) formally evaluate a social program. Requisites: SOC 470 or equivalent course.

475 Sociology of Urban and Rural Areas (3) An examination of urban and rural life. Topics will include the development of the scientific study of urban and rural society; the historical development of cities; social, material, demographic and ecological forces in urban and rural areas; social problems and social change in the urban and rural landscapes.

485 Sociology of Human Relationships (3) Human relationships constitute distinctive and important social phenomena, which require a systematic conceptualization in order to develop, maintain, and/or modify them. The purpose of this course is to gain an understanding of human relationships that will make possible their systematic assessment and classification and provide a basis for intervention to improve their functioning.

Undergraduate/Graduate Credit

621 Advanced Sociological Research (3) An applied and technique-oriented course in which students engage in qualitative and quantitative projects, data analysis B, SPSS, and report writing. Requisites: PERM.

644 Sociology of Aging (3) Examines the status of the elderly in contemporary society. Designed to sensitize students to the conditions which operate to define the elderly as "a problem group." Emphasis on both theoretical and applied work in gerontology.

647 Comparative Cultural Anthropology (3) The study of traditional indigenous cultures and how they contrast with industrial/post-industrial societies regarding family, politics, economics, and religion.

672 Workshop in Sociology + (1-3) Selected topics are subjected to intensive examination. Emphasis is upon student participation in discussions and extra class projects. Of special interest to students in the areas of business, teaching, social work, and school administration. Requisites: PERM.

674 Independent Study in Sociology + (1-3) Reading and/or research programs to fit the individual needs of advanced students in the social sciences. Topics are chosen in consultation with a faculty advisor. Requisites: PERM.

675 Seminar in Sociology + (1-3) Advanced work in selected areas such as medical sociology, the profession of sociology, sociology of knowledge, occupations, and professions. Emphasis on student participation. Requisites: PERM.

676 Apprenticeship in Sociology+ (1-3) Course is designed to provide practical experience in teaching and administration in sociology or for participating in a faculty-sponsored research project. Requisites: PERM.

677 Internship in Sociology + (1-3) For sociology majors with good academic standing. Provides practical experience in community organizations and social agencies. Systematic recording and reporting of the work experience and supplementary reading are required. PERM.

679 Community Theory and Development (3) This course provides a dynamic exploration of the sociological concept of community. Students will examine the study of human relationship patterns, human ecology, and social networks. In addition, formal and informal social interaction and social capital will be explored. This course actively engages students in theoretical activity and puts knowledge to work through class assignments and activities. Requisites: PR, PERM or SOC 140.

680 Nonprofit Organizations (3) Managing and operating nonprofit agencies requires a set of skills that are duplicative, yet different from those of operating a for-profit corporation. Learn about the similarities and differences of management and operations of agencies whose mission is to serve the community, as opposed to making a profit for the shareholders. This course will explore the process of incorporating a nonprofit organization, including developing a mission statement, and the steps involved in securing tax exemption through the Internal Revenue Service. Students will develop an understanding of a) leadership and management of human resources in a nonprofit with limited resources; b) the role of the internal and external environment in developing a strategic plan; c) managing the financial position of the organization; and d) the role of marketing and public relations to meet the organizational mission of a nonprofit organization.

681 Non Governmental Org: Global Social Innovation (3) Through case studies and the use of the sociological and other perspectives, this course analyzes Non Governmental Organizations (NGOs), their values, structure, history, and roles in the field of development and social change. The course focuses particular attention in the international field by analyzing NGOs in less developed countries.

Graduate Credit

870 Grant Writing (3) This course provides instruction on how to write powerful and compelling grant proposals to fund projects to assist categories of people in need. Students learn how to write the most difficult and complex types of grant proposals for both private foundations and government funding sources.

* General Education course
+ Course may be repeated
# Lab required
PERM: Permission
PR: Prerequisites

Robbins College of Business and Entrepreneurship

DEPARTMENTS

Economics, Finance and Accounting

Informatics

Management

Applied Business Studies

DEPARTMENT LEADERSHIP

Muhammad Chishty	Dean
Andrew Cutright	Assessment and Operations Coordinator
Dosse Toulaboe	Economics, Finance and Accounting, Chair
Melissa Hunsicker-Walburn	Informatics, Chair
Rick Edgeman	Management, Chair
Stacey Smith	Applied Business Studies, Chair

MISSION STATEMENT

The Fort Hays State University Robbins College of Business and Entrepreneurship offers highly engaging educational experiences, preparing and supporting our students and alumni for professional success in a dynamic, global environment. Our focus is on instructional excellence, supported by faculty and student research; and the College provides service that benefits the university, our disciplines, and the greater community.

VISION STATEMENT

The Robbins College of Business and Entrepreneurship engages and educates quality students with a world-class business education.

Our students are thoughtful, entrepreneurial leaders, both professionally and in their communities.

For updated information, see our website at **www.fhsu.edu/**

Innovation and Entrepreneurship

The Fort Hays State University Robbins College of Business and Entrepreneurship (RRCOBE) characterizes itself as an organization continually innovating to improve the quality and strategic scope of its activities. Its own culture and activities are entrepreneurial. It provides entrepreneurship programming and curricular offerings to supplement both business and non-business degrees.

Instructional Engagement

Inspired by the university tag line, "Forward Thinking, World Ready," RCOBE provides teaching excellence at the undergraduate and master's educational levels. In addition, RCOBE offers executive and professional development. It provides these services in both face-to-face and distance learning environments. Faculty are passionate about teaching and are proud of connecting with students.

Our faculty members teach students through both established and innovative techniques in classrooms, labs, internships/coops, and distance learning. They do so in classes small enough to encourage faculty/student interaction. Faculty members engage students through service learning, and co-curricular activities such as student organizations, learning communities, competitions, study abroad programs, and one-on-one interactions, including regular office hours, as well as undergraduate and graduate research.

Instruction is provided primarily by full-time faculty using technology-rich campus facilities and distance learning tools. Teaching excellence is achieved through deployment of qualified faculty members who bring their initial expertise as well as on-going scholarly and professional experiences to instruction.

Service and Community Engagement

The college and university offer several programs serving the academic and professional community as well as contributing to economic development. These include, but are not limited to: the Fort Hays State University Management Development Center, Fort Hays State University Small Business Development Center, Center for Economic Education, the Information Enterprise Institute, the Dane G. Hansen Scholarship Hall, *Symposium of International & Interdisciplinary Research and the Journal of International & Interdisciplinary Research.*

Service Area and Student Populations

Kansas and the surrounding states are the primary target markets for the college's on-campus education while off-campus or virtual students are served worldwide. This recognizes the mission driven approach to serving the residents of the institution's large, but lightly populated geographic Great Plains service area. It also takes a market smart approach, serving vital key constituencies such as members of the U.S. military, domestic distance learning students from across America, and complementary international markets with the college's programs. A substantial portion of the university's domestic and international enrollment consists of first generation students.

Robbins College of Business and Entrepreneurship

Center for Economic Education
The Center for Economic Education presents economics workshops, seminars, and other programs for elementary and secondary school teachers in all academic disciplines from K-12 so the teachers can then integrate and infuse economics principles, concepts, and reasoning into their curriculum. The Center serves teachers in the western half of the state.

Robbins College of Business and Entrepreneurship Dean's Executive Advisory Council (DEAC)
DEAC members identify opportunities for partnerships between the Robbins College of Business and Entrepreneurship and the business community through activities such as:

- Developing student internships and employment opportunities,
- Exploring faculty and student consulting opportunities,
- Involving faculty members in practical business problems through the Management Development Center and the Small Business Development Center,
- Arranging for guest speakers from industry and other types of student-business interactions,
- Supporting outreach and funding operations, and

Bringing students into direct contact with business leaders (e.g., mentoring relationships, sponsoring business luncheons, etc.).

Robbins College of Business and Entrepreneurship Student Advisory Council (RCOBESAC)
The RCOBESAC serves as a liaison between the students, the administration, and the faculty of the Robbins College of Business and Entrepreneurship by coordinating student activities within the RCOBE. It is the voice of the student body and has the responsibility of creating and implementing programs of value to all Business and Entrepreneurship students.
The Student Advisory Council will:

- Provide an open forum for innovation and changes at the RCOBE;
- Enhance the visibility and augment the reputation of the RCOBE on campus and in the community;
- Be a supporting resource for prospective and incoming students; and

Take a leadership role in activities that recognize Business and Entrepreneurship student achievements and promote the Robbins College of Business and Entrepreneurship.

Management Development Center (MDC)
The MDC is the executive education component linking Fort Hays State University's Robbins College of Business and Entrepreneurship and the served constituents. We are dedicated to providing clients with:

- High-quality business, management, and leadership training programs to enhance professional and organizational effectiveness;
- Result-oriented consulting services to help address the changing nature of the market place more successfully;
- A setting to build contacts with high-performing professionals and organizations; and

Resources of the university and its faculty, scholars, and practitioners in designing and facilitating training activities that brings value to people and organizations.

Kansas Small Business Development Center (KSBDC)-Regional Center in Hays
The KSBDC is a service of the Robbins College of Business and Entrepreneurship at Fort Hays State University that provides management assistance to the small business community. The KSBDC provides individual, confidential assistance and seminars on small business topics. It is our goal to help you run the most profitable business possible.

The KSBDC is partially funded by the U.S. Small Business Administration (SBA) and the Kansas Department of Commerce (KDOC). SBA and KDOC funding is not an endorsement of any products, opinions, or services. All SBA funded programs are extended to the public on a nondiscriminatory basis. The partnership program is with the U.S. Small Business Administration and the Kansas Department of Commerce and Housing.

Scholarships for Robbins College of Business and Entrepreneurship Students
Individuals, businesses, and professional organizations contribute annually to support scholarships for worthy students majoring in programs offered by the Robbins College of Business and Entrepreneurship. Annual scholarship award ceremonies distribute scholarships and fellowships to undergraduate and graduate students.

Transfer Policy for Transfer of Community College Credits
A large number of students transfer each year into the programs offered by the Robbins College of Business and Entrepreneurship. For this reason, each year the various departments of the college prepare course transfer equivalency statements which are distributed to appropriate community colleges located in the FHSU service area. Students entering community colleges as freshmen and subsequently transfer-

ring into a Robbins College of Business and Entrepreneurship academic
program will be allowed to transfer the following courses toward a major:

Course Hours
ACCT 203 Principles of Accounting I **and**
ACCT 204 Principles of Accounting II 6
GBUS 204 Business Law I 3
MATH 250 Elements of Statistics 3
MATH 331 Calculus Methods 3
MIS 101 Introduction to Computer Information Systems 3
ECON 201 Principles of Economics: Micro **and**
ECON 202 Principles of Economics: Macro 6

In conjunction with this policy, and consistent with the Association to Advance Collegiate Schools of Business (AACSB) International guidelines, the college will follow a validation procedure for certain upper-division courses. These courses are: BCOM 301 Business Communication; MKT 301 Marketing Principles; MGT 301 Management Principles; ACCT 305 Intermediate Accounting I; and FIN 305 Managerial Finance. Business courses other than those noted above will generally be acceptable for elective credit only. Specific transfer and articulation agreements take precedence over this transfer policy.

Students planning to transfer into programs offered by the college should check with the departmental chairs for transfer policy information.

Transfer Policy for Students Seeking Degrees in the Robbins College of Business and Entrepreneurship
It is a Robbins College of Business and Entrepreneurship requirement that at least 50% of the business credit hours required for the business degree be earned at FHSU. Transcript analysts from the Registrar's Office will monitor this standard to ensure compliance.

Second Degrees
Students who wish to obtain a second degree in business (BBA) from FHSU and already have a degree in business from a regionally accredited American university may have the FHSU Business Core requirements waived by the department chair associated with the major for the second degree. The department chair may waive all or part of the business core requirements depending on coursework needed for the specific major. Other university requirements for a second degree do not change.

Professional Pathways in the College of Arts, Humanities, and Social Sciences: The Robbins College of Business and Entrepreneurship MBA Option

A special cooperative program for undergraduates in the College of Arts, Humanities, and Social Sciences is available for those students interested in pursuing a Master of Business Administration degree. Under this program, College of Arts, Humanities, and Social Sciences students will be prepared to begin the MBA program without additional foundation courses. This joint program gives students the advantage of a solid liberal arts undergraduate education and the excellent employment prospects of a degree in business. A student will take the following courses in the Robbins College of Business and Entrepreneurship as part of an undergraduate program:

[1]ACCT 203 Principles of Accounting I 3
[1]ACCT 204 Principles of Accounting II 3
[1]FIN 305 Managerial Finance 3
[1]MGT 301 Management Principles 3
[1]MKT 301 Marketing Principles 3
[1]&[2]MATH 250 Elements of Statistics 3
[1] & [2]ECON 201 Principles of Economics: Micro 3
[1] & [2]ECON 202 Principles of Economics: Macro 3

1Courses are part of the minor in Business Administration.
2Courses can be used to fulfill requirements in General Education. BCOM 301 Business Communications, GBUS 204 Business Law I, and MATH 331 Calculus Methods are recommended as electives. Upon successful completion of this program, a student will have a minor in Business Administration and the necessary pre-requisites completed to finish an MBA in two years.

Participation in this program does not imply automatic admission to the MBA program. Regular application procedures are required and existing admission criteria must be met. Students should plan to submit application materials to the graduate business programs in the Robbins College of Business and Entrepreneurship during their senior year and take the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) prior to submitting their applications. Application materials for graduate business programs are available through the Director of Graduate Programs for the Robbins College of Business and Entrepreneurship.

Master of Business Administration

Master of Business Administration
The Master of Business Administration is a professional degree program for individuals with an undergraduate degree in any major. Its purpose is to prepare students for advancement into higher levels of management in their chosen fields. The program emphasizes management and administration in a rapidly changing environment. The MBA is designed to enhance competency in the functional areas of business administration by providing graduates with skills and perspectives needed for success.

Multiple instructional techniques are used in the MBA program, including case analyses, field studies, small group projects, research and analysis papers, problem solving, and computer applications. The development of oral and written communication skills is fostered.

Admission Requirements
Applications are accepted throughout the year and admissions are made on a continual basis. All materials should be received at least 60 days prior to the student's first enrollment. The FHSU Graduate School and MBA Committee will only review complete application packages, which must include the following:

- A paid graduate application;
- Current resume;
- Official transcripts from all undergraduate and graduate coursework (in English);
- Official scores of the Graduate Management Admission Test (GMAT); or GRE
- Two (2) letters of recommendation;
- Personal statement from student indicating reasons for seeking a Master of Business Administration degree including professional and/or career goals and pertinent past work experience; and
- Other requirements as specified by the Fort Hays State University Graduate School.

GRADUATE DEGREES

Master of Business Administration

Master of Business Administration Concentrations

- MBA: Agribusiness
- MBA: Accounting
- MBA: Corporate Communication
- MBA: Digital Marketing
- MBA: Finance
- MBA: General
- MBA: Health Care Management
- MBA: Sports Management
- MBA: Human Resource Management (HRM)
- MBA: Information Assurance
- MBA: International Business
- MBA: Leadership Studies
- MBA: Management Information Systems
- MBA: Marketing
- MBA: Operations Management
- MBA: Tourism and Hospitality Management

International Students Admissions Requirements
In addition to MBA Admission Requirements, international students must also provide a Test of English as a Foreign Language (TOEFL) score of at least 550 or evidence of the ability to speak and write the English language.

Examples of the latter include: 1] verification that the applicant's native language is English, as shown to a high degree of probability by citizenship in an English-speaking country such as Great Britain, Australia, New Zealand, or English-speaking provinces in Canada; 2] evidence of a baccalaureate degree, or higher, from an accredited U.S. institution of higher education or successful completion of one academic year from an accredited U.S. institution of higher learning; 3] evidence of a score of 550 on the paper-based version or a 79 on the computer-based exam of the Test of English as a Foreign Language (TOEFL); 4] passing score on the Michigan English Language Assessment (83+), the Kaplan Test (550+), or the English Language Assessment Test (ELAT) given by the Department of English at Fort Hays State University; or 5] documentation showing that the student has completed other recognized and approved intensive English language programs.

Special waivers may only be granted by the Graduate Dean. Any waiver must be in writing and signed by the Graduate Dean. All policies and related procedures are subject to periodic review by the MBA Committee.

Graduate Assistantships
The Robbins College of Business and Entrepreneurship annually awards a limited number of scholarships and graduate assistantships. The awards are based on GPA, campus involvement, financial need, and other criteria. For more information about graduate assistantships, contact the FHSU Graduate School.

Curriculum
The MBA degree program consists of 34 semester credit hours. Graduate courses taken at another regionally accredited college or university may count towards MBA degree, subject to approval by the MBA Committee. Typically, no more than six to nine student credit hours will be considered for transfer credit, and students are expected to complete their graduate coursework from Fort Hays State University upon matriculation into the MBA program. Students wishing for substitutions or exemptions must submit their requests through the Graduate Coordinator to the MBA Committee for evaluation and approval.

Foundation Courses
Students may need up to four foundation courses in conjunction with the 34-hour MBA degree program. Students with an undergraduate business degree from a regionally accredited four-year institution shall be waived from the foundation requirement. Students wishing for substitutions or exemptions for the foundation courses must submit their requests through the Graduate Coordinator to the MBA Committee for evaluation and approval.

Course Approval and Program Modification Process
Suggestions for MBA course changes or additions may come from any Robbins College of Business and Entrepreneurship faculty member. Course proposals and changes are presented to the MBA Committee for approval. Recommended changes to approved courses follow the traditional FHSU approval process.

Curriculum Review Teams
For each discipline represented in the MBA program, a curriculum review team of no less than three graduate faculty (if available) shall be appointed by the MBA Committee in consultation with the respective department chair. The curriculum review team is responsible for monitoring course quality and content, with final approval by the MBA Committee.

Each course shall be reviewed by the appropriate review team before it is taught and/or:

- After the online course is offered for three semesters;
- In conjunction with a major change in the course;
- At the request of the faculty course author or the MBA Committee

It is the responsibility of the MBA Committee to convene curriculum review teams and report outcomes to the Dean of the Robbins College of Business and Entrepreneurship. A report from each committee shall be submitted and reviewed by the MBA Committee and Robbins College of Business and Entrepreneurship Dean. The results of these reports shall be provided to the faculty course authors, RCOBE faculty, and other stakeholders.

Frequency of Course Offerings
The course rotation schedule will be determined by the MBA Committee. A rolling course schedule will be developed and posted in advance with the understanding that all classes will be available within a two-year period such that a full-time graduate student could complete the MBA degree in two years if so desired.

Minimum and Maximum Class Size
Sections should be designed and staffed to maximize interaction with faculty and fellow students with the anticipated guideline of a maximum of 25 students per section. Courses may be canceled due to small enrollment (fewer than ten students) at the MBA Committee's discretion.

Grade Point Average Requirements
No grade below C may be applied to graduation. No more than two grades of C may be applied toward graduation. No course taken for Pass/Fail or Credit/No-Credit or audited may be applied toward graduation. Each student must achieve acceptable scores on the MBA Major Field Test (MFT), the ETS Proficiency Profile, and the FHSU Post Test in order to graduate.

Students must maintain a cumulative GPA of B (3.00) in the 34-hour program courses. If, at the end of any semester, the cumulative GPA in the 34-hour program courses is below 3.00, the student will be given one semester to raise the cumulative GPA to 3.00 or better. If, after that semester, the cumulative GPA in the 34-hour program courses is still below 3.00, then the student may, at the discretion of the MBA Committee, be suspended from the MBA program.

Academic Honesty
The graduate programs closely adhere to the Academic Honesty policy as stated in this catalog's Graduate School section. All students are expected to read and follow this policy.

Review
This policy and related procedures are subject to periodic review by the MBA Committee.

Master of Business Administration: Accounting

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory &	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Accounting core
A total of 9 credits from...

Code	Course Title	Hours
ACCT 601	Advanced Accounting	3
ACCT 610	Advanced Tax Procedure	3
ACCT 608	CPA Problems ***OR***	
ACCT 612	Advanced Auditing	3

Master of Business Administration: Agribusiness

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Accounting core
A total of 9 credits from...

Code	Course Title	Hours
AGRI 820	Agricultural Risk Management	3
AGRI 850	Strategic Planning in Agricultural Business	3
AGRI 860	Organizational Behavior in Agricultural	3

Master of Business Administration: Corporate Communication

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory &	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Corporate Communication Core
A total of 9 credits from...

Code	Course Title	Hours
Required		
BCOM 601	Managerial Communication	3
A total of 6 credits		
BCOM 690	Professional Development	3
BCOM 692	Managerial Reports and Presentations	3
BCOM 673	Problems in Business Communication	1-3
BCOM 695	Corporate Communication Strategy	3

Master of Business Administration: Digital Marketing

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Digital Marketing Core
A total of 9 credits from...

Code	Course Title	Hours
MKT 602	Integrated Marketing Communications	3
MKT 608	Database Marketing	3
MKT 609	Strategic Electronic Marketing	3
MKT 610	Social Media Marketing	3
MKT 611	Social Media Marketing Content And Analysis	3

Master of Business Administration: Finance

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Finance core
A total of 9 credits from...

Code	Course Title	Hours
ECON 640	Money and Banking	3
FIN 641	Financial Markets and Institutions	3
FIN 645	International Finance	3

MBA: International Business

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

International Business core
A total of 9 credits from...

Code	Course Title	Hours
ECON 644	International Economics	3
FIN 645	International Finance	3
MKT 606	International Marketing	3

MBA: Health Care Management

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Health Care Management core
A total of 9 credits from...

Code	Course Title	Hours
NURS 861	Complexity in Health Care Organizations	3
NURS 862	Administration Management in Health Care Organizations	3
HHP 610	Global Health	3
HHP 625	Legal Issues in Health Care	3
HHP 630	Administration in Health Care	3
HHP 811	Health Promotion Programming	3

MBA: Human Resource Management

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Human Resource Management core
A total of 9 credits from...

Code	Course Title	Hours
MGT 611	Human Resource Management	3
	Choose 6 hours from the following	
MGT 612	Recruitment, Selection, and Retention	3
MGT 613	Total Compensation	3
MGT 614	Training and Development	3

MBA: Information Assurance

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Information Assurance core
A total of 9 credits from...

Code	Course Title	Hours
INF 684	Foundations of Information Systems Security	3
	Choose 6 hours from the following:	
INF 880	Management of Information Security	3
INF 885	Information Risk Management and Disaster Recovery	3

MBA: Leadership Studies

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Leadership Studies core
A total of 9 credits from...

Code	Course Title	Hours
LDRS 801	Theoretical Foundation of Leadership	3
LDRS 802	Org. Systems, Change and Leadership	3
LDRS 807	Leadership in Teams and Collaborative Environments	3
LDRS 810	Leadership Assessment and Intervention	3

MBA: Management Information Systems

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hour
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory &	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Management and Information Systems core A total of 9 credits from...

Code	Course Title	Hours
MIS 602	Information Systems Design and Development	3
MIS 658	Law of Cyberspace	3
MIS or INT	Elective (approved by advisor)	3

Master of Business Administration: Marketing

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Applica-	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global	3

Accounting core
A total of 9 credits from...

Code	Course Title	Hours
MKT 601	Consumer Behavior	3
MKT 604	Marketing Research	3
MKT 609	Strategic Electronic Marketing	3

MBA: Operations Management

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Operations Management core
A total of 9 credits from...

Code	Course Title	Hours
Required courses		
MGT 822	Operations Management	3
	Choose 2 hours from the following:	
MGT 600G	Lean Systems	3
MGT 603G	Supply Chain Management	3
MGT 608G	Total Quality Management	3

MBA: Sports Management

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Sports Management core
A total of 9 credits from...

Code	Course Title	Hours
HHP 670	Advanced Workshop in Health and Human Performance	3
HHP 855	Legal Issues in Health and Human Performance	3
HHP 860	Facilities in Health & Human Performance	3

MBA: Tourism and Hospitality Management

Business Administration Core
A total of 24 credits from...

Code	Course Title	Hours
MBA 811	Advanced Managerial Accounting	3
MBA 812	Marketing Management	3
MBA 813	Information Systems for Management	3
MBA 814	Business Research & Quantitative Methods	3
MBA 815	Managerial Economics: Theory & Application	3
MBA 816	Advanced Corporate Finance	3
MBA 817	Strategic Management	3
MBA 831	Organizational Behavior in a Global Context	3

Tourism and Hospitality core
A total of 9 credits from...

Code	Course Title	Hours
THM 620	Tourism and Hospitality Management	3
THM 621	Tourism and Hospitality Marketing	3
	Choose 3 hours from the following:	
THM 622	Service and Operations Management	3
THM 623	Meetings, Conventions, and Event Management	3
THM 624	Hotel and Resort Management	3
THM 625	International Hospitality: Problems and Planning	3

Course Listing - Master of Business Administration

Master of Business Administration

811 Advanced Managerial Accounting (3) The study of how internal accounting/operational information, formal models, and analytical techniques may be used within the firm to assist managers in their control and decision-making activities. Emphasis is placed on considering both quantitative and qualitative factors when making decisions. Requisite: PR, GRAD standing, GBUS 803 or permission of MBA Advisor.

812 Marketing Management (3) A managerial approach to marketing focusing on concepts and strategies designed to enhance executive decision making. Topics include customer relationships and satisfaction, market segmentation and targeting, marketing research, products, pricing, promotion, and distribution. Requisite: PR, GRAD standing, GBUS 802 or permission of MBA Advisor.

813 Information Systems for Management (3) The study of the managerial implications of information systems in modern business organizations; advanced consideration in the evaluation, selection, and administration of management information systems; and contemporary issues managers must address in today's digital society including the importance of protecting data and assuring data integrity or protection of data in specialized businesses such as the financial industry and the medical industry. Requisite: PR, GRAD standing.

814 Business Research and Quantitative Methods (3) The course includes a review of the scientific method and its application to the business research process, data preparation, analysis and presentation of the research output (written and oral) for management's use in making accurate, informed decisions. Application of quantitative techniques to business decision-making (hypothesis testing, regression, model building, and logistic regression) with extensive use of an application/statistical software will be emphasized. Requisites: PR, GRAD standing, GBUS 804 or permission of MBA advisor.

815 Managerial Economics: Theory and Application (3) Application of economic theory and quantitative tools to managerial decision making problems within various organizational settings. Topics include demand analysis, production and cost theory, techniques for estimating and forecasting demands and costs, pricing decisions, and government regulations. Requisites: PR, GRAD, GBUS 801 or Econ 201 or ECON 2020; Admission to the MBA program or permission of MBA Advisor.

816 Advanced Corporate Finance (3) A study of the theory and application of corporate financial management. Topics include: decision making under uncertainty, financial analysis and forecasting, working capital management, capital structure decisions, dividend policy, capital budgeting, valuation and portfolio management, mergers, and international financial management. Requisite: PR, GRAD standing, GBUS 804 or MATH 250 and FIN 305, admission to MBA program or permission of MBA advisor.

817 Strategic Management (3) A study of the integrative functions of senior corporate management in long-range strategic planning and decision making. This is a capstone course which utilizes all the skills, tools and knowledge developed earlier in the graduate program. This course should be taken during the last term of a student's graduate program. Requisite: PR, GRAD standing, PERM, GBUS 802 or MKT 301 and MGT 301.

820 Critical Issues Seminar (3) The purpose of the seminar is to bring together a small group of students for intensive study and discussion of one or more selected topics in one of the fields of business administration. Requisite: PR, GRAD standing and PERM.

831 Organizational Behavior in Global Context (3) The course moves from the theory to the practical applications of leadership and organizational behavior. Course activities focus on the individual within the organizational context. Students will explore organizational improvement strategies as well as the topics of interpersonal skills, person perception, motivation, communication, problem solving, decision-making, conflict and change.
Requisite: PR, GRAD standing, PERM, GBUS 802, or MKT 301, and MGT 301, admission to MBA program or permission of MBA advisor.

890 Contemporary Environment of Business (3) This class will address business in the contemporary environment. The focus will be on the modern global business enterprise and its place in society. Emphasis will be placed on values, ethics, culture, politics, law, and regulation using current events as a framework for study and discussion. This course requires students to participate in a guided FHSU RCOBE international study experience at their own expense. PR, Admission to MBA program or permission of MBA Advisor. Requisite: PR, PERM.

899 Thesis + (3) This class provides an additional option for the student, resulting in a specific final research paper or project. Thesis is designed to provide empirical study in preparation for further academic work. A student may enroll in this course a maximum of two times. Advisor and faculty permission required during a student's first semester in the MBA program. Requisite: PR, GRAD standing and PERM.

* General Education Course
\+ Course may be repeated
\# Lab Required
PERM: Permission
PR: Pre-requisite

Department of Economics, Finance and Accounting

For updated information, see our website at **www.fhsu.edu/efa/**.

Accounting
The accounting program offers a wide range of studies designed to prepare students for employment in business, government, education systems, and other organizations in a variety of financial, industrial, and service entities. Students can choose the traditional accounting major or add a concentration in public accounting. Students in the public accounting concentration are eligible to sit for the CPA Examination if they complete the requirements for the degree and take additional coursework to earn 150 total credit hours.

Economics
Economics is the only social science in which a Nobel Prize is awarded. To succeed in economics, students should have an interest in applying critical thinking and statistical analysis to issues of business, financial, ethical, and social importance. The department currently offers a concentration in economics within the finance major as well as a minor in economics. Economics training is valuable preparation for law school or post-graduate work in economics, finance, business or the social sciences.
A major in international business and economics provides the academic preparation for positions with business, government, or international agencies dealing with international trade and foreign investments.

Finance
Finance provides one of the most dynamic and rewarding of careers. Financial services, investment advising, retirement planning, and tax and estate planning are fast-growing fields where substantial earnings are possible for those associated with financial planning firms and for individual entrepreneurs. Students can choose the traditional finance major with no concentration or obtain a concentration in banking, economics, or financial planning. Fort Hays State University is the only institution in Kansas with a business undergraduate degree program in financial planning that is registered with Certified Financial Planner Board of Standards Inc.

Preparation
Students interested in majoring in accounting, finance or international business and economics can prepare themselves by taking any business-related courses their high school offers, including accounting, mathematics, economics, and general business. Additionally, oral and written communication skills are very important. Introductory computer coursework is valuable preparation. A variety of scholarships are available for departmental majors.

Undergraduate Degrees
- Bachelor of Business Administration: Accounting
- Bachelor of Business Administration: Public Accounting
- Bachelor of Business Administration: Finance
- Bachelor of Business Administration: Finance (Banking)
- Bachelor of Business Administration: Finance (Economics)
- Bachelor of Business Administration: Finance (Financial Planning)
- Bachelor of Business Administration: International Business and Economics

Minors
- Accounting
- Economics
- Finance
- International Business and Economics

Certificates
- Kansas Insurance Certificate

Department of Economics, Finance, and Accounting Faculty & Staff

Chair: Dr. Dosse Toulaboe
Professors: Dr. Dosse Toulaboe, Dr. Emily Breit, Dr. Muhammad Chisty, Dr. Thomas Johansen, Dr. Samuel Schreyer
Associate Professors: Dr. Cole J. Engel
Assistant Professors: Dr. Nahid Kalbasi Anaraki, Dr. Angela Yan Du, Dr. Julie You Du, Dr. Christina Glenn, Dr. Glenn Growe, Dr. Hung Nguyen, Dr. Kwadwo Ofori-Mensah
Department Staff: Linda Kepka, *Administrative Assistant;*

See department page online for full listing

Bachelor of Business Administration: Accounting

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Accounting Core

A total of 18 hours from...

Code	Course Title	Credits
ACCT 303	Cost Accounting	3
ACCT 305	Intermediate Accounting I	3
ACCT 306	Intermediate Accounting II	3
ACCT 360	Accounting Information Systems	3
ACCT 402	Income Tax Procedure	3
ACCT 412	Auditing	3

Accounting Electives

A total of 12 credits from the following list...

Code	Course Title	Credits
ACCT 310	Fraud Examination	3
ACCT 315	Financial Statement Analysis	3
ACCT 406	Governmental & Institutional Account-	3
ACCT 409	Ethics for Accountants	3
ACCT 466	Apprenticeship	3
ACCT 601	Advanced Accounting	3
ACCT 610	Advanced Tax Procedure	3
ACCT 612	Advanced Auditing	3

Directed Electives

A total of 6 credits from the following list...

Code	Course Title	Credits
FIN 311	Fundamentals of Investments	3
FIN 405	Intermediate Finance	3
FIN 450	Personal Financial Planning	3
ECON 601	Quantitative Methods	3
ECON 640	Money, Banking and the Macroeconomy	3
FIN 641	Financial Markets and Institutions	3
ECON 651	Managerial Economics	3
GBUS 403	Commercial Law	3
GBUS 404	Business Organizations & Government Regulations	3
Elective	Elective with approval	

Free Electives

A total of 2 credits from....

Free Electives	2

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Business Administration: Public Accounting

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Accounting Core

A total of 18 hours from...

Code	Course Title	Credits
ACCT 303	Cost Accounting	3
ACCT 305	Intermediate Accounting I	3
ACCT 306	Intermediate Accounting II	3
ACCT 360	Accounting Information Systems	3
ACCT 402	Income Tax Procedure	3
ACCT 607	Auditing	3

Public Accounting Electives

A total of 15 credits from the following list...

Code	Course Title	Credits
ACCT 406	Governmental & Institutional Accounting	3
ACCT 409	Ethics for Accountants	3
ACCT 601	Advanced Accounting	3
ACCT 610	Advanced Tax Procedure	3
ACCT 612	Advanced Auditing or ACCT Elective	3

Other Required Courses

A total of 9 credits from the following list...

ECON 640	Money, Banking, and the Macroeconomy	***OR***
ECON 651	Managerial Economics	3
GBUS 403	Commercial Law	3
GBUS 404	Business Organizations and Government Regulations	3

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Requirements to Sit for CPA Exam in Kansas: 150 Credit Hours of post-secondary coursework are required to be eligible to sit for the Certified Public Accountant exam in Kansas. While the B.B.A. in Accounting with a Public Accounting Concentration will prepare the student academically to sit for the exam, it will not provide the required number of post-secondary Credit Hours. Students are encouraged to pursue a second degree in an area that complements their accounting degree. It is often possible to complete a double degree with 154 credit hours. A popular second degree is in finance, but other degree areas might include management information systems, marketing, or international business and economics. Students can also complete a minor or take a collection of courses in another business discipline to fulfill the 150 Credit Hours of post-secondary coursework.

Bachelor of Business Administration: Finance

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Finance Core

A total of 15 hours from...

Code	Course Title	Credits
FIN 311	Fundamentals of Investments	3
FIN 405	Intermediate Finance	3
ECON 601	Quantitative Methods	3
ECON 640	Money, Banking and the Macroeconomy	3

Finance Electives

A total of 12 hours from...

Electives from ECON / FIN courses.

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	66
Free Electives	3
Total	**124**

Bachelor of Business Administration: Finance

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Finance Core

A total of 27 hours from...

Code	Course Title	Credits
FIN 311	Fundamentals of Investments	3
FIN 405	Intermediate Finance	3
FIN 421	Real Estate Finance	3
ECON 601	Quantitative Methods	3
ECON 640	Money, Banking and the Macroeconomy	3
FIN 641	Financial Markets and Institutions	3
FIN 642	Bank Management	3
FIN 643	Bank Strategy	3
ACCT 315	Financial Statement Analysis	3

Banking Concentration Electives

Choose 12 hours from...

Code	Course Title	Credits
ACCT 305	Intermediate Accounting I	3
AGRI 456	Agricultural Resource Valuation	3
FIN 607	Options and Future Markets	3
FIN 611	Investment Theories and Strategies	3
FIN 645	International Finance	3
Elective	Approved ECON / FIN Electives	

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	66
Free Electives	3
Total	**124**

Bachelor of Business Administration: Finance (Economics)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Economics Concentration

A total of 39 hours from...

Code	Course Title	Credits
FIN 311	Fundamentals of Investments	3
FIN 405	Intermediate Finance	3
ECON 601	Quantitative Methods	3
FIN 607	Options and Futures Markets	3
ECON 640	Money, Banking and the Macroeconomy	3
FIN 641	Financial Markets and Institutions	3
ECON 644	International Economics	3
ECON 651	Managerial Economics	3

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	66
Free Electives	3
Total	**124**

Bachelor of Business Administration: Finance (Financial Planning)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Financial Planning Concentration

A total of 39 hours from...

Code	Course Title	Credits
FIN 311	Fundamentals of Investments	3
FIN 405	Intermediate Finance	3
FIN 450	Personal Financial Planning	3
ECON 601	Quantitative Methods	3
FIN 607	Options and Futures Markets	3
FIN 611	Investment Theories and Strategies	3
FIN 631	Risk Management	3
FIN 641	Financial Markets and Institutions	3
FIN 670	Estate Planning	3
FIN 680	Retirement & Employee Benefit Planning	3
ACCT 402	Income Tax Procedure	3
Elective	ECON/FIN Financial Planning Electives	6

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	66
Free Electives	3
Total	**124**

Bachelor of Business Administration: International Business and Economics

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250	3
MATH 331	3
One Elective with Lab	4
Social and Behavioral Sciences (one elective)	3
ECON 201	3
ECON 202	3
Upper-Division Integrative Course (IDS 300)	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

International Business and Economics Core

A total of 12 hours from...

Code	Course Title	Credits
ECON 644	International Economics	3
FIN 645	International Finance	3
MGT 606	International Business	3
MKT 606	International Marketing	3

Major Electives

Choose 27 hours (minimum of 12 ECON/FIN hours)

Code	Course Title	Credits
FIN 405	Intermediate Finance	3
FIN 467	Internship	3
ECON 601	Quantitative Methods	3
FIN 607	Options an Futures Markets	3
FIN 631	Risk Management	3
ECON 640	Money, Banking and the Macroeconomy	3
FIN 641	Financial Markets and Institutions	3
ECON 651	Managerial Economics	3
BCOM 400	Global Business Communication	3
GSCI 105	Cultural Geography	3
GSCI 240	Introduction to GIS	3
LDRS 306	Leadership and Team Dynamics	3
MGT 601	Project / Program Management	3
POLS 230	Introduction to International Relations	3
SOC 460	Comparative Cultures and Societies	3

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	66
Free Electives	3
Total	**124**

Minors - Economics, Finance and Accounting

Accounting Minor 21 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
ACCT 303	Cost Accounting	3
ACCT 305	Intermediate Accounting I	3
ACCT 306	Intermediate Accounting II	3
ACCT 402	Income Tax Procedure	3
Elective	Accounting Elective	3

Finance Minor 21 hours from...

Code	Course Title	Credits
ECON 201	Principles of Economics: Micro	3
ECON 202	Principles of Economics: Macro	3
FIN 305	Managerial Finance	3
FIN 311	Fundamentals of Investments	3
FIN 405	Intermediate Finance	3
FIN 641	Financial Markets and Institutions	3
Elective	FIN Finance Elective	3

Banking Minor 21 hours from...

Code	Course Title	Credits
ECON 602 FIN 201	Topics: Principles of Banking ***or*** Principles of Banking	3
FIN 305	Managerial Finance	3
ACCT 315	Financial Statement Analysis	3
ECON 640	Money, Banking, & the Macroeconomy	3
FIN 641	Financial Markets and Institutions	3
FIN 642	Bank Management	3
FIN 643	Bank Strategy	3

Economics Minor 21 hours from...

Code	Course Title	Credits
ECON 201	Principles of Economics: Micro	3
ECON 202	Principles of Economics: Macro	3
ECON 601	Quantitative Methods	3
ECON 640	Money, Banking, and the Macroeconomy	3
ECON 644	International Economics	3
ECON 651	Managerial Economics	3
Electives	ECON Economics Elective	3

International Business and Economics Minor 21 hours from...

Code	Course Title	Credits
ECON 644	International Economics	3
FIN 645	International Finance	3
MGT 606	International Business	3
MKT 606	International Marketing	3
ECFI 640	Money, Banking, and the Macroeconomy	3
Electives	International Business and Economics Electives (approved by department chair)	6

Certificates in Economics, Finance and Accounting

Kansas Insurance Certificate

Choose 12 hours from...

Code	Course Title	Credits
FIN 391	Principles of Insurance OR	
FIN 631	Risk Management	3
	Two courses from the following:	
FIN 401	Property Insurance	3
FIN 402	Life Insurance	3
FIN 450	Personal Finance Planning	3
FIN 680	Retirement and Employee Benefit	3

Accounting Certificate

Choose 12 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
	Two courses from the following:	
ACCT 303	Cost Accounting	3
ACCT 305	Intermediate Accounting I	3
ACCT 306	Intermediate Accounting II	3
ACCT 402	Income Tax Procedure	3
ACCT 406	Governmental & Institutional Accounting	3

Finance Certificate

Choose 12 hours from...

Code	Course Title	Credits
FIN 305	Managerial Finance	3
FIN 641	Financial Markets and Institutions	3
	Two courses from the following:	
FIN 311	Fundamentals of Investments	3
FIN 391	Principles of Insurance	3
FIN 405	Intermediate Finance	3
FIN 421	Real Estate Finance	3
FIN 607	Options and Futures Markets	3
FIN 611	Investment Theories & Strategies	3
FIN 645	International Finance	3

Code	Course Title	Credits
	One course from the following:	
FIN 311	Fundamentals of Investments	3
FIN 467	Internship (Insurance Related)	3
FIN 641	Financial Markets and Institutions	3
FIN 670	Estate Planning	3
ECON 601	Quantitative Methods	3
MKT 302	Strategic Selling	3

Student must have a minimum grade of "C" for all 12 hours in the certificate program.

Economics Certificate

Choose 12 hours from...

Code	Course Title	Credits
ECON 201	Principles of Economics: Micro	3
ECON 202	Principles of Economics: Macro	3
	Two courses from the following:	
ECON 302	Intermediate Macroeconomic Analysis	3
ECON 640	Money, Banking, and the Macroeconomy	3
ECON 651	Managerial Economics	3
ECON 644	International Economics OR	
FIN 645	International Finance	3

Course Listing - Economics, Finance and Accounting

Accounting

Undergraduate Credit

203 Principles of Accounting I (3) The study of accounting as a means of communicating financial information about a business enterprise. Emphasis is placed on the basic concepts used in preparing and interpreting external financial statements. PR, Sophomore standing or permission.

204 Principles of Accounting II (3) A continuation of ACCT 203 with added emphasis on preparing and interpreting accounting information to aid management in the decision-making process. Requisites: PR, ACCT 203.

303 Cost Accounting (3) Course emphasizes the uses of accounting data for: 1) planning and controlling routine operations; 2) non -routine decisions, policy making, and long-range planning; and 3) inventory valuation and income determination. Requisites: PR, ACCT 204.

305 Intermediate Accounting I (3) Presents an overview of the foundation of accounting theory, a study of the accounting cycle, financial statements, and mathematical principles. A comprehensive study is made of assets. Requisites: PR, ACCT 204.

306 Intermediate Accounting II (3) Continuation of ACCT 305. Covers recognition and measurement of liabilities, stockholders' equity, dilutive securities, and investments. Also covers taxes, pensions and leases. Requisites: PR, ACCT 305.

310 Fraud Examination (3) Fraud Examination will cover the principles and methodology of fraud detection and deterrence. The course includes such topics as skimming, cash larceny, check tampering, register disbursement schemes, non-cash misappropriations, corruption, accounting principles of fraud, fraudulent financial statements and interviewing witnesses. Requisites: PR, ACCT 204.

315 Financial Statement Analysis (3) This course provides a comprehensive study of the use of financial statements in assessing a firm's health and financial standing. Requisites: PR, ACCT 204.

360 Accounting Information Systems (3) Design, implementation, and evaluation of processing methods for accounting information including computing, managerial, and auditing considerations. Requisites: PR, ACCT 204 and INF 101 or equivalent.

402 Income Tax Procedure (3) A study of a broad range of federal tax concepts and types of taxpayers including the role of taxation in the business decision-making process. This follows the American Institute of AICPA Model Tax Curriculum.
Requisites: PR, ACCT 204.

406 Governmental and Institutional Accounting (3) A study of budgeting and operation of fund accounts for state, municipal, and other public institutions. Accounting control as a means of effecting improved administration of public enterprise. Requisites: PR, ACCT 305.

409 Ethics for Accountants (3) This course examines accounting ethics for auditors, tax practitioners and management accountants. Emphasis will be on professional guidance issued by the American Institute of Certified Public Accountants (AICPA), the IRS and other professional accounting organizations. Requisites: PR, ACCT 305 and senior standing.

412 Auditing (3) Procedures and practices of the public accountant in verifying accounts and supplementary data, and training in preparation and analysis of reports of such findings appropriate to purpose for which the audit is made. Requisites: PR, ACCT 306, ACCT 360.

466 Apprenticeship (1-3) The apprenticeship will provide the upper-division, undergraduate student with an opportunity to serve as a tutorial aide, researcher, classroom proctor, etc. To enroll, students must be majoring in accounting and have at least a 3.0 major GPA and have completed at least 9 hours in the major core.

467 Internship (1-6) The internship provides students with the opportunity to integrate and apply previous academic coursework in accounting through professionally related work in business, government, or not-for-profit enterprises. Students may only enroll for internship credit if the internship application process is competitive and it has been approved by the department chair. See advisor for details. Students must also have at least a 3.0 major GPA and have completed at least 9 hours in the accounting major core. Requisites: PR, junior or senior standing. +

Undergraduate/Graduate Credit

601 Advanced Accounting (3) Emphasis is placed on consolidated statements. Consideration is also given to foreign branches and subsidiaries. Requisites: PR, ACCT 306.

605 Accounting Theory (3) A study of the background and present state of accounting theory with emphasis on recent pronouncements of the Financial Accounting Standards Board. Requisites: PR, ACCT 306.

608 CPA Problems (3) Selected typical problems from previous CPA examinations and pertinent coursework are reviewed. A variety of topics in accounting practice and theory are considered. Students are expected to have a thorough background in accounting. Very little new material is introduced in the course. Requisites: PR, ACCT 303, ACCT 306.

610 Advanced Tax Procedure (3) A study of the major aspects of federal income taxes as they pertain to partnerships, corporations, estates, and trusts. Requisites: PR, ACCT 402.

611 Advanced Cost Accounting (3) Emphasizes non-routine decisions, policy making, and long-range planning with a continuation of routine planning and control. Considerable stress is placed upon quantitative methods. Requisites: PR, ACCT 303.

612 Advanced Auditing (3) Principles and standards in auditing are emphasized through consideration of legal cases encountered by auditors in public practice. Reference made to pronouncements of the American Institute of Certified Public Accountants. Requisites: PR, ACCT 607.

663 Problems in Accounting + (1-3) Research topics to be selected by mutual agreement of student and instructor. Approval by the department chair is required. Requisites: PR, senior or graduate standing and PERM.

Graduate Credit

803 Advanced Accounting Topics (3) A study of problems encountered in accounting. Topics may include special sales procedures—installments and consignments; fiduciary relationships—receiverships, estates and trusts; and mergers and consolidations. Requisites: PR, ACCT 306.

820 Financial Accounting and Reporting (3) A study of the communication of accounting information with an emphasis on the recipient of the data. The fundamental focus is the analysis and evaluation of performance data desired by managers and other decision makers.

Economics

Undergraduate Credit

101 Introduction to Economics (3) A basic one-semester terminal course for students not in economics or business administration. Essential economic theory is developed and applied to scarcity, markets, market structures, income determination, economic stabilization policies, and the economic role of government. May not be used to fulfill major or minor requirements in economics.

201 Principles of Economics: Micro * (3) An introductory study of principles that affect goals, incentives, and outcomes of economic behavior at the level of the individual decision maker. Specific topics include the operation of both product and resource markets, the behavior of firms and industries under different market structures, and international exchange.

202 Principles of Economics: Macro * (3) An introductory study of factors that determine U.S. unemployment, production, growth, interest, and inflation rates; basic theories of consumption and investment expenditure; the effects of discretionary fiscal and monetary policies on the national economy.

301 Intermediate Microeconomic Analysis (3) An intermediate -level study of the theory of household and firm behavior. A study of how the market system organized economic activity and an evaluation of its performance. Requisites: PR, ECON 201, ECON 202.

302 Intermediate Macroeconomic Analysis (3) An intermediate -level study of theories of aggregate consumption, investment, net export, and government expenditures; determination of national output, employment, price level, interest, and exchange rates; derivation of aggregate demand and supply; implications of classical, Keynesian, supply-driven, rational expectations, and real business cycle models; examination of the empirical evidence. Requisites: PR, ECON 202.

378 Environmental and Energy Economics (3) The interrelationship of economic activity and environmental consequences will be the main focus of the course. Requisites: PR, ECON 201.

466 Apprenticeship + (1-3) The apprenticeship will provide the upper-division, undergraduate student with an opportunity to serve as a tutorial aide, researcher, classroom proctor, etc. Requisites: PR, PERM.

467 Internship + (1-6) The internship provides students with the opportunity to integrate and apply previous academic coursework in international business and economics though professionally related work in business, government, or not-for-profit enterprises. Requisites: PR; PERM.

492 Consumer Economics (3) The application of economic principles to various consumer issues. Requisites: PR, ECON 201, ECON 202.

494 Introduction to Regional Economics (3) A survey of methods and concepts used in understanding regional economic growth and development. Requisites: PR, ECON 201.

Undergraduate/Graduate Credit

601 Quantitative Methods (3) An introduction to the tools and procedures necessary to measure and test causal relationships implied by economic and finance theory. Emphasis will be on regression analysis. Requisites: PR, MATH 250 and MATH 331.

602 Topics + (1-3) The topics course is designed to offer subjects which are not dealt with in the conventional curriculum. See class schedule for specific topics. Requisites: PR, see class schedule.

604 Forecasting Applications (3) Techniques for business forecasting with emphasis on time-series methods. The relationship of forecasting to decision making, a survey of forecasting methods and their application; models for stationary and non-stationary time-series, model identification, estimation of parameters, computation of forecasts and of confidence intervals, adaptive forecasting, and evaluation of forecasts. Requisites: PR, MATH 250.

613 Economic Fluctuation and Forecasting (3) A study of the factors producing economic cycles including history, theory, and statistical measure of business cycles. Emphasis will be placed on forecasting methods. Requisites: PR, ECON 201, ECON 202.

621 Public Finance (3) A study of the scope of government fiscal activity including the federal budget, government expenditures, and fiscal and debt management policy. Issues of taxation include principles of taxation, tax sources and distribution. Examples of current issues include revenue sharing, social security, national

health issues, and urban transportation systems. Requisites: PR, ECON 202.

640 Money, Banking, and Macroeconomy (3) An examination of the institutional setting which facilitates the creation and transfer of money between individuals, firms, and governments; how the supply and demand for money affect and are affected by national output, employment, prices, interest, and exchange rates; derivation of aggregate demand using Hicks' IS-LM model; theories and evidence of fiscal and monetary policy effectiveness in an open economy. Requisites: PR, ECON 202.

644 International Economics (3) A survey of international trade and finance, includes the theory and empirical foundations of international trade; the balance of payments and foreign exchange; contemporary international economic problems and commercial policies (e.g., tariffs, quotas, exchange control, international monetary reform). Requisites: PR, ECON 201, ECON 202.

651 Managerial Economics (3) Application of economic theory to business decision making at the individual firm level. Selected topics include: demand estimation and forecasting, production and cost theory, cost estimation and forecasting, pricing decisions, and government regulations. Requisites: PR, ECON 201, ECON 202, or GBUS 801.

652 Industrial Organization (3) A theoretical and empirical study of the structure, conduct, and performance of manufacturing firms and industries. Topics examined include economic concentration, scale economics, entry barriers, and collusive oligopoly practices. These topics will be used to evaluate how well American industrial performance meets societal goals. Requisites: PR, ECON 201.

662 Readings + (1-3) For majors in the Robbins College of Business and Entrepreneurship. Purpose of the course is to provide an opportunity for in-depth reading and study in one area of economics or finance. Admission only upon consent of the instructor and approval by the department chair. Requisites: PERM.

665 Seminar + (3) The purpose of the seminar is to bring together a small group of students for intensive study, discussion, and research in selected fields of economics or finance. Requisites: junior standing; senior standing.

682 Labor Economics (3) The development and application of economic theory to the study of the labor market. Emphasis on labor demand, labor supply, employment, and wages at both the micro and macro levels. Requisites: PR, ECON 201, MATH 250.

692 Contemporary Economic Issues (3) Selected economic issues and problems confronting the American economy will be examined in depth through readings, discussions, and independent projects.

Finance

Undergraduate Credit

201 Principles of Banking (3) This class provides and overview of banking with emphasis on current issues and trends. Students will learn about bank organizational structure, line/staff functions, and employee responsibilities. The regulatory environment of banking is studied, including the involvement of the Federal Reserve and monetary policy. Bank deposit services and the credit function are reviewed. Skills learned include methods of measuring and analyzing the performance of financial institutions.

205 Theory and Practice of Personal Finance * (3) This course begins with an overview of the evolution and critical events in the development of America's cultural heritage of consumer credit and the institutional foundations of society's consumptive mindset. Critical thinking and economic analysis are applied at an individual level, in the spirit of Adam Smith's "Invisible Hand." Students are exposed to a wide variety of personal financial choices as a way of connecting individual risk-taking with potential threats to democracy and American society. The dynamics between individual utility maximization, social responsibility, and ethical behavior are explored. Knowledge of financial products, analytical tools and critical thinking skills are cultivated in the context of setting goals and measuring progress, managing taxes, basic asset management, credit management, risk management, investing, and estate and retirement planning.

305 Managerial Finance (3) A study of the basic concepts of the financial management of a corporation. Topics include: ratio analysis, financial planning, time value of money, capital budgeting, cost of capital, sources of financing, working capital management, and international financial management. Requisites: PR, ACCT 203.

306 Credit and Collections (3) Fundamentals of credit management, credit investigation and analysis, credit problems, collection activities, protection, and remedies. Requisites: PR, FIN 305.

311 Fundamentals of Investments (3) A study of the fundamental concepts of investment analysis and management. Topics include: the different types and characteristics of investment securities and markets, the timing and selection of securities, and an introduction to portfolio theory. Requisites: PR, FIN 305.

381 Principles of Real Estate (3) Characters of land, real estate markets, ownership, interest; legal instrument, contracts, closing transfers; financing, brokerage, management, appraising, developing, and ownership.

391 Principles of Insurance (3) An introduction to the theory and general principles of insurance and its impact on financial planning. Topics studied include: insurance and risk, property and casualty insurance, life disability, and health insurance.

401 Property Insurance (3) Basic study of coverages offered by property and casualty insurers. Emphasis will be on development, basic concepts, and legal basis of the various lines of property and casualty insurance. Requisites: PR, FIN 391.

402 Life Insurance (3) Types of contract, functions of various contracts, company organization, rate making, selection of risks, and other home office operations. Governmental supervision of life insurance companies. Requisites: PR, FIN 391.

405 Intermediate Finance (3) A study of the theoretical aspects of the financing decisions of a corporate financial manager. Topics

include: working capital, risk and return, valuation, capital budgeting with uncertainty, cost of capital, efficient markets, capital structure, risk hedging, mergers, and international financial management. Requisites: PR, FIN 305.

421 Real Estate Finance (3) A study real estate markets, the process of financing real estate transactions, and real property as an investment medium. Requisites: PR, FIN 305.

422 Theory of Appraising (3) Valuation theories applied to land, residential, commercial, and leasehold real estate, three approaches to value; depreciation, capitalization, and a residential appraisal required. Requisites: PR, FIN 381.

423 Real Estate Investments (3) A study of the feasibility and the analysis of long-term investment characteristics of condominiums, apartments, housing complexes, office buildings, shopping centers, industrial properties, farms, and subdivisions. Requisites: PR, FIN 381.

450 Personal Financial Planning (3) A comprehensive study of the concepts and techniques of financial planning. Topics include: the role of the financial planner, legal and ethical requirements, developing a financial plan, economic analysis, insurance analysis, investment analysis, tax planning, and estate and retirement planning. Requisites: PR, FIN 311, FIN 405, and ACCT 402; or PERM.

456 Senior Seminar (3) A capstone course that enables students to integrate finance principles with their college learning experiences by formulating questions, gathering information, structuring and analyzing information, drawing conclusions, and communicating those conclusions to others in an oral and/or written form. Requisites: senior standing.

466 Apprenticeship + (1-3) The apprenticeship will provide the upper-division, undergraduate student with an opportunity to serve as a tutorial aide, researcher, classroom proctor, etc. To enroll, students must be majoring in finance and have at least a 3.0 major GPA and have completed at least 9 hours in the major core. Requisites: PERM of department chair.

467 Internship + (1-6) This course provides students with the opportunity to integrate and apply previous academic coursework in finance through professionally related work in business, government, or not-for-profit enterprises. Students may enroll for internship credit if the internship has been approved by the department chair. See advisor for details. Students must also have at least a 3.0 GPA and have completed at least 9 hours in the finance major core. Requisites: PERM.

Undergraduate/Graduate Credit

607 Options and Futures Markets (3) An examination of the markets and institutions that facilitate the creation, exchange, and liquidation of derivative financial assets. Includes risk management techniques using options and futures strategies, hedging, and cross -market arbitrage. Requisites: PR, MATH 250, FIN 305.

611 Investment Theories and Strategies (3) A study of the theoretical and practical aspects of portfolio management and security analysis. Topics include: portfolio theory, efficient capital markets, valuation, portfolio performance, international diversification, and specific management techniques applied to equity and debt securities as well as futures and options. Requisites: PR, FIN 311.

622 Personal Tax Planning (3) An introduction to income taxation and its impact on financial planning for individuals in their roles as employees, investors, and business owners.

631 Risk Management (3) A study of the principles of risk and the management techniques to minimize risk for the firm and individual.

641 Financial Markets and Institutions (3) A study of the nature, scope, and role of financial institutions in the economy; supply of and demand for loanable funds; money market; capital markets; the level and structure of interest rates; monetary, fiscal, and debt management policies. Requisites: PR, FIN 305.

642 Bank Strategy (3) A study of the organization and operations of national and state banks; the balance sheet of a commercial bank; liquidity management; asset management; loans and discounts; credit analysis; interest rates; investment account management; trust services; capital funds management; and safety of banks. Requisites: PR; FIN 305, FIN 201.

643 Bank Policy and Analysis (3) As a capstone course for Finance majors with a Banking Concentration, this course provides the opportunity for students to apply the skills and knowledge obtained from their coursework to a banking environment.

645 International Finance (3) Examination and analysis of international financial decision making in areas of foreign investments, trade, and working capital management given various political, cultural, and technological constraints. Requisites: PR, FIN 305.

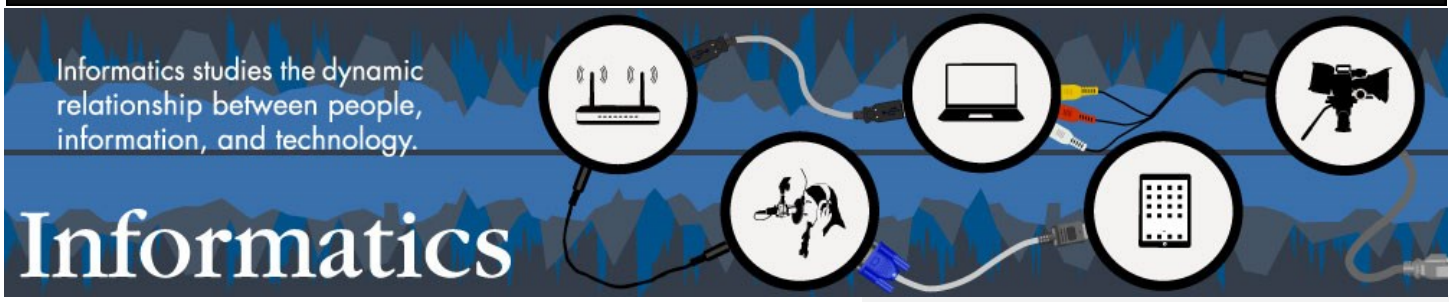
663 Problems + (1-3) Research topics to be selected by mutual agreement of student and instructor. Approval by the department chair is required. Requisites: PR, or senior/graduate standing and PERM.

670 Estate Planning (3) A comprehensive study of the fundamentals and techniques of estate planning. Topics include: property transfers, taxation as applied to estate planning, goals, probate, charitable transfers, estate planning for closely held business interests, will and trust, bypass, gift, liquidity, and postmortem planning.

680 Retirement and Employee Benefit Planning (3) A comprehensive study of the fundamentals and techniques of retirement and employee benefit planning. Topics include: ethics; types or alternative retirement plans; retirement needs analysis; tax implications; life, medical, and disability plans; and other current topics.

*General Education Course
+Course may be repeated
#Lab required
PERM: Permission

Department of Informatics



The Department of Informatics is home to majors that reflect multiple disciplines representing a broad set of skills and professional attributes that are in high demand in business and technology industries. Our graduates have hands-on learning opportunities in software development, storage, information networks and management, human/computer interfaces, cyber security, mobile app development and electronic multi-media. In addition to some of the highest job placement rates, many of our students have opportunities to advance rapidly in their careers.

With graduates and alumni in both private and government sectors, we can connect you with opportunities in federal intelligence agencies like NSA, FBI, or Homeland Security; or with national and regional companies such as Nex-Tech/RuralTel, Cerner, Google, Cisco, Cargill, Koch Industries, Sprint, Verizon, In*Touch Solutions, NDG, CDW, and Zappos to name a few. We've had graduates with media emphases go on to work in the content side of the information industry with companies like Fox Sports, HGTV, KWCH, Time Warner Cable, Eagle Communications, NBCUniversal and many regional network affiliates around the country. Entrepreneurial students leaving our programs have successfully marketed commercial apps to companies such as eBay or started their own technology or website business, like majorspoilers.com.

Department of Informatics Faculty & Staff

Chair: Melissa Hunsicker-Walburn

Professors: Angela Walters

Professor Emeritus: Robert Meier

Associate Professors: Melissa Hunsicker-Walburn, Kevin Shaffer

Assistant Professors: Ginger Loggins, Ravindra (Ramsey) Muvva, Ron Rohlf, Shane Schartz, David Schmidt, James Smith, Jason Zeller

Instructors: Stephen Schleicher, Jon Tholstrup, Amie Wright, Kelei (Jackie) Zhang

Department Staff: Michelle Weigel, *Administrative Assistant;* Dawne Leiker; *FHSU Online Advisor*

See department page online for full listing

Undergraduate Degrees

- **Bachelor of Arts: Information Networking and Telecommunications** (Concentrations in Computer Networking, Media Studies, Web Development, and Health Informatics)
- **Bachelor of Science: Information Networking and Telecommunications** (Concentrations in Computer Networking, Media Studies, Web Development, and Health Informatics)
- **Bachelor of Business Administration**: Management Information Systems
- **Bachelor of General Studies**: Information Networking and Telecommunications

Graduate Degrees

- Master of Liberal Studies: Digital Cinema Studies
- Master of Liberal Studies: Management Information Systems
- Master of Professional Studies: Computer Networking & Telecommunications
- Master of Professional Studies: Information Assurance Management
- Master of Professional Studies: Cyber Security
- Master of Professional Studies: Web & Application Development

Certificate Programs

- Web Development
- e-Commerce Web Development
- Internetworking
- Information Networking for Criminal Justice
- Business Information Systems
- Mobile Application Development
- Audio Production
- Applied Data Analytics

Bachelor of Arts: INF (Computer Networking)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Foreign Language Courses	
Beginning courses I and II	10

Informatics Core

A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and Entrepreneurial Leadership	3
INF 490	Capstone Seminar in Informatics	3
INF 610	Public Policy, Law, Ethics in Telecom	3

Computer Networking Core

A total of 15 hours from...

Code	Course Title	Credits
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 393	Internetworking III	3
INF 680	Network Architecture and Data Communications I	3
INF 681	Network Architecture and Data Communications II	3

Cross Concentration Electives

(Choose 2: No more than one from each area)

A total of 6 hours from ...

Cybersecurity

INF 360	Programming with Python	3
INF 685	Fundamentals of Network Security	3
INF 671	Linux in Networking	3

Digital Media Production & Journalism

INF 346	Beginning Video Production	3
INF 348	Beginning Audio Production	3
INF 420	Social Issues and Informatics	3

Information Systems

INF 304	Management Information Systems	3
INF 360	Programming with Python	3
INF 402	Windows Server Administration	3

Web and Mobile Application Development

INF 650	Introduction to Human-Computer	3
INF 651	Front-End Web Development	3
INF 652	Database Design and Programming	3

Emphasis Electives

A total of 15 hours from...

Students will work with their advisor to tailor their remaining 15 hours of electives for their major.

Free Electives

A total of 1 hour from..

Free Elective	1

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: INF (Digital Media & Journalism Production)

University Degree Requirements
A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Foreign Language Courses	
Beginning courses I and II	10

Informatics Core
A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and Entrepreneurial Leadership	3
INF 490	Capstone Seminar	3
INF 610	Public Policy / Law Ethics	3

Digital Media & Journalism Production Core
A total of 15 hours from...

Code	Course Title	Credits
INF 140	Introduction to Electronic Media	3
INF 240	Digital New Reporting	3
INF 346	Beginning Video Production	3
INF 348	Beginning Audio Production	3
INF 349	Convergent Media Lab (Repeatable 3	6

Cross Concentration Electives
(Choose 2: No more than one from each area)

Computer Networking & Telecommunications

INF 291	Internetworking I	3

Cybersecurity

INF 360	Programming with Python	3
INF 685	Fundamentals of Network Security	3

Information Systems

INF 603	Big Data Analytics	3

Web and Mobile Application Development

INF 650	Introduction to Human-Computer Information Systems	3

Emphasis Electives
A total of 15 hours from...

Students will work with their advisor to tailor their remaining 15 hours of electives for their major.

Free Electives
A total of 1 hour from..

Free Elective	1

Totals
A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: INF (Web & Mobile Development)

University Degree Requirements
A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Foreign Language Courses	
Beginning courses I and II	10

Informatics Core
A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Informatics	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and Entrepreneurial Leadership	3
INF 490	Capstone Seminar	3
INF 610	Public Policy / Law Ethics	3

Concentration Requirements
A total of 15 hours from...

Code	Course Title	Credits
INF 650	Introduction to Human-Computer Interaction	3
INF 651	Front End Web Development I	3
INF 652	Database Design and Programming	3
INF 653	Back-End Web Development I	3
INF 654	Mobile Web Development	3

Cross Concentration Electives:
A total of 6 hours from...

Choose 2 with no more than one from each concen-

Computer Networking & Telecommunication

Code	Course Title	Credits
INF 291	Internetworking I	3

Cybersecurity

Code	Course Title	Credits
INF 360	Programming with Python	3

Digital Media Production & Journalism

Code	Course Title	Credits
INF 140	Introduction to Electronics Media	3
INF 346	Beginning Video Production	3
INF 348	Beginning Audio Production	3

Information Systems

Code	Course Title	Credits
INF 302	Windows Client Administration	3
INF 402	Windows Server Administration	3
INF 603	Big Data Analytics	3

Emphasis Electives
A total of 15 hours from...

Students will work with their advisor to tailor their remaining 15 hours of electives for their major from the following courses, based upon their professional interest and goals.

Free Electives
A total of 1 hour from...

Free Elective	1

Totals
A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Arts: INF (Health Informatics)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3
Foreign Language Courses	
Beginning courses I and II	10

Informatics Core

A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and Entrepreneurial Leadership	3
INF 490	Capstone Seminar in Informatics	3
INF 610	Public Policy / Law Ethics	3

Health Informatics Core

A total of 15 hours from...

Code	Course Title	Credits
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 393	Internetworking III	3
INF 684	Foundations of Information System Security	3
NURS 440	Informatics for the RN	3

Electives for Selection

A total of 6 hours from...

Choose two of the following courses...

Code	Course Title	Credits
NURS	Legal and Ethical Issues in Healthcare	3
INF 652	Database Design & Programming	3
INF 662	Modern Telephony	3
INF 664	Wireless and Cellular Systems	3
INF 671	Linux in Networking	3
INF 678	Seminar in Informatics	3
INF 685	Fundamentals of Network Security	3

Free Electives

A total of 16 hour from..

Free Elective	16

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Science: INF (Computer Networking)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Informatics Core

A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and	3
INF 490	Capstone Seminar	3
INF 610	Public Policy / Law Ethics	3

Computer Networking Core

A total of 15 hours from...

Code	Course Title	Credits
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 393	Internetworking III	3
INF 680	Network Architecture and Data Communications I	3
INF 681	Network Architecture and Data Communications II	3

Cross Concentration Electives

(Choose 2: No more than one from each area)

Cybersecurity

INF 360	Programming with Python	3
INF 685	Fundamentals of Network Security	3
INF 671	Linux in Networking	3

Digital Media Production & Journalism

INF 346	Beginning Video Production	3
INF 348	Beginning Audio Production	3
INF 420	Social Issues and Information Networking	3

Information Systems

INF 304	Management Information Systems	3
INF 360	Programming with Python	3
INF 402	Windows Server Administration	3

Digital Media Production & Journalism

INF 650	Introduction to Human-Computer Interaction	3
INF 651	Front-End Web Development	3
INF 652	Database Design and Programming	3

Emphasis Electives

A total of 15 hours from...

Students will work with their advisor to tailor their remaining 15 hours of electives for their major.

Free Electives

A total of 11 hours from...

Free Elective (s)	11

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: INF (Digital Media Production & Journalism)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Informatics Core
A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and	3
INF 490	Capstone Seminar	3
INF 610	Public Policy / Law Ethics	3

Concentration Requirements
A total of 18 hours from...

Code	Course Title	Credits
INF 140	Introduction to Electronic Media	3
INF 240	Digital New Reporting	3
INF 346	Beginning Video Production	3
INF 348	Beginning Audio Production	3
INF 349	Convergent Media Lab (Repeatable 3 credit hours each—6 hours required)	6

Cross Concentration Elective:
A total of 6 hours from…

Choose 2 with no more than one from each concen-

Computer Networking & Telecommunications

INF 291	Internetworking I	3

Cybersecurity

INF 360	Programming with Python	3
INF 685	Fundamentals of Network Security	3

Information Systems

INF 603	Big Data Analytics	3

Emphasis Electives
A total of 15 hours...

Students can choose an emphasis area (15 credit hours) to further focus their degree. Areas of emphasis include Performance, New Media, Electronic Sports, News, Music Technology, or an emphasis plan approved by your advisor.

Free Electives
A total of 8 hours from...

Free Elective (s)	8

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: INF (Web Development)

University Degree Requirements
A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Informatics Core
A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and	3
INF 490	Capstone Seminar	3
INF 610	Public Policy / Law Ethics	3

Concentration Core
A total of 15 hours from...

Code	Course Title	Credits
INF 650	Interactive Systems Design	3
INF 651	Advanced Web Development	3
INF 652	Database Design & Programming	3
INF 653	Back-End Web Development	3
INF 654	Mobile Web Development I	3

Cross Concentration Electives
A total of 6 hours from ...

Choose no more than one from each area

Computer Networking & Telecommunication

INF 291	Internetworking	3

Cybersecurity

INF 360	Programming with Python	3

Digital Media Production & Journalism

INF 140	Introduction to Electronic Media	3
INF 346	Beginning Video Production	3
INF 348	Beginning Audio Production	3

Information Systems

INF 302	Windows Client Administration	3
INF 402	Windows Server Administration	3
INF 603	Big Data Analytics	3

Emphasis Electives
A total of 15 hours from...

Students will work with their advisors to tailor their remaining 15 hours of electives for their major.

Free Electives
A total of 11 hours from...

Free Elective (s)	11

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: INF (Health Informatics)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (two electives)	6
COMM 318 Intro to Organizational Communication	3
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
(Two electives, one laboratory)	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Informatics Core

A total of 18 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 300	Foundations of Information Networking	3
INF 405	Research Methods in Informatics	3
INF 430	Technology Innovation and Entrepreneurial Leadership	3
INF 490	Capstone Seminar	3
INF 610	Public Policy / Law Ethics	3

Concentration Core

A total of 17 hours from...

Code	Course Title	Credits
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 393	Internetworking IIII	3
INF 684	Foundations of Information Systems Security	3
NURS 440	Informatics for the RN	3

Concentration Electives

A total of 6 hours from….

Code	Course Title	Credits
NURS	Legal and Ethical Issues in Healthcare	3
INF 652	Database Design & Programming	3
INF 662	Modern Telephony	3
INF 664	Wireless and Cellular Systems	3
INF 671	Linux in Networking	3
INF 678	Seminar in Informatics	3
INF 685	Fundamentals of Networking Security	3

Free Electives

A total of 26 hours from….

Free Elective	26

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Business Administration: Management Information Systems

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
MATH 331 Calculus Methods	3
One elective, one laboratory	4
Social and Behavioral Sciences	
ECFI 201 Principles of Economics: Micro	3
ECFI 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 304	Management Information Systems	3
INF 315	Enterprise Resource Planning	3
INF 330	Business Intelligence	3
INF 360	Programming in Python	3
INF 678	Seminar in Informatics : Data Analytics I	3
INF 430	Technology Innovation, & Entrepreneurial Leadership	3
INF 610	Public Policy, Law and Ethics in Telecommunications	3
INF 684	Foundations of Information Systems Security	3
INF 490	Capstone Seminar in Informatics	3

Management Information Systems Core

A total of 30 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 304	Management Information Systems	3
INF 315	Enterprise Resource Planning	3
INF 330	Business Intelligence	3
INF 360	Programming in Python	3
INF 678	Seminar: Data Analytics I	3
INF 430	Technology, Innovation & Entrepreneurial Leadership	3
INF 610	Public Policy, Law & Ethics in Telecommunications	3
INF 684	Foundations of Information Systems Security	3
INF 490	Capstone Seminar in Informatics	3

Free Electives

A total of 8 hours from...

Free Elective (s)	8

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of General Studies: Information Networking

University Degree Requirements

A total of 45 credits from...

General Education Required Courses:	Credits
English Composition I and II	6
Computer Literacy Course (MIS 101)	3
Distribution Courses (3 departments represented in each area)	
Humanities (Art, Communication Studies, English, Foreign Language, Music and Philosophy)	12
Mathematics and Natural Sciences (Biological Sciences, Chemistry, Geosciences, Mathematics and Physics)	12
Social and Behavioral Sciences (Economics, History, Multiculturalism, Political Science, Psychology and Sociology)	12

Open Electives

58 Credit Hours

The Bachelor of General Studies degree program allows you considerable flexibility in tailoring a course of study to meet your goals and suit your interests.

Totals

A total of 124 credits from...

University Requirements	45
Concentration / Electives	79
Total	**124**

Area of Concentration

A total of 21 credit hours from...

Course	Course Title	Credits
INF 140	Introduction to Electronic Media	3
INF 300	Foundations of INT	3
INF 250	Introduction to Web Development	3
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 293	Internetworking III	3
INF 322	Topics in Informatics	3
INF 430	Technology Innovation and Entrepreneurial Leadership	3
INF 472	Readings in Informatics	3
INF 678	Seminar in Informatics	3
INF 490	Capstone Seminar in Informatics	3
INF 650	Interactive Systems Design	3
INF 654	Intro to Web-Enabled Databases: MySQL	3
INF 655	Web-Enabled Database Admin: Oracle	3
INF 658	Law of Cyberspace	3
INF 660	Global Telecommunications Policy	3
INF 662	Modern Telephony	3
INF 651	Advanced Web Development	3
INF 652	Intensive Web Development	3
INF 680	Network Architecture I	3
INF 681	Network Architecture II	3
PHYS 230	Telecommunications Electronics	3
POLS 402	Public Policy, Ethics, and Law	3

Certificate Programs in Informatics

Web Development Certificate
A total of 15 credit hours

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 650	Interactive Systems Design	3
INF 651	Advanced Web Development	3
INF 653	Web Scripting Languages	3
INF 654	Intro to Web-Enabled Databases: MySQL	3

Internetworking Certificate
A total of 12 credit hours

Code	Course Title	Credits
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 680	Network Architecture I	3
INF 681	Network Architecture II	3

Business Information Systems Certificate

Code	Course Title	Credits
MIS 304	Management Information Systems	3
MIS 315	Enterprise Resource Planning	3
MIS 330	Business Intelligence	3
MIS 602	Information System Design & Analysis	3
MIS 640	Advanced Management Information...	3

Audio Production Certificate
A total of 15 credit hours

Code	Course Title	Credits
INF 348	Beginning Audio Production	3
INF 322	Topics in INT / Advanced Audio	3
INF 349	Convergent Media Lab	3
INF 678	Seminar in INF / Media Entrepreneurship	3
INF 658	Law of Cyberspace	3

E-Commerce Certificate
A total of 15 hours from...

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 651	Advanced Web Development	3
INF 652	Intensive Web Development	3
Choose two courses from the following:		
INF 650	Interactive Systems Design	3
INF 654	Intro to Web-Enabled Databases: MySQL	3
INF 658	Law of Cyberspace	3
INF 678	Seminar in INF: Web Security	3

INF for Criminal Justice Certificate
A total of 15 credit hours

Code	Course Title	Credits
JUS 225	Justice in the Information Age	3
JUS 305	Corporate Crime and Deviance	3
INF 250	Introduction to Web Development	3
INF 658	Law of Cyberspace	3
INF 680	Network Architecture I	3

Mobile Application Development Certificate

Code	Course Title	Credits
MIS 673	Problems in MIS: Android Development	3
INF 678	Seminar in INF: Mobile Development	3
INF 678	Seminar in INF: Capstone	3
INF 678	Seminar in INF: iOS ***OR***	
PHYS 608	Special Topics: Intro to iOS Programming	3

Applied Data Analytics Certificate
A total of 15 credit hours

Code	Course Title	Credits
INF 360	Programming with Python	3
INF 603	Big Data Analytics	3
INF 652	Database Design and Programming	3
	Electives from other concentrations	6

Master of Liberal Studies: Digital Cinema Production

Core Curriculum
A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspec-	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

Culminating Experience
A total of 3 credits from...

Code	Course Title	Hours
IDS 880	Seminar in Liberal Studies	3

Concentration
Choose 18 credit hours from the following...

Code	Course Title	Hours
INT 633	Advanced Video Production	3
INT 634	Graphics and Effects for Video and Film	3
INT 636	Computer Editing of Video	3
INT 638	Intensive Video Production	3
INT 678	Seminar: Project Management	3
MUS 678	Seminar in Music Technology I	3
MUS 688	Seminar in Music Technology II	3
THTR 675	Playwriting / Screenwriting	3
ENG 602	Topics in Screenwriting I	3

Master of Liberal Studies: Management Information Systems

Core Curriculum
A total of 10 credits from...

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

MIS Core
15 credit hours from the following...

Code	Course Title	Hour
MIS 602	Information Systems Design & Development	3
MIS 603	Database Systems ***OR***	
INF 654	Web Enabled Databases: Oracle	3
INF 605	Principles of Computer Security & Forensics	3
MIS 650	Networks and Data Communications ***OR***	
INF 680	Network Architecture and Data Comm. I	3
MIS 610	Systems Development Project (Taken the final semester in the program)	3

Electives
A total of 6 credits from...

Code	Course Title	Hours
INF 650	Interactive Systems Design	3
INF 651	Advanced Web Development	3
INF 655	Web Enabled Database Admin: Oracle	3
INF 658	Law of Cyberspace	3
INF 662	Modern Telephony	3
INF 671	Linux for Networks	3
INF 672	Advanced Linux for Networks	3
INF 678	Seminar in INF: Unix Administration	3
INF 681	Network Architecture and Data Comm. I	3
INF 695	Advanced Routing	3
INF 696	Securing Converged WANS	3
INF 697	Advanced LAN Switching	3
INF 698	Optimizing Converged Networks	3
INF 678	Seminar in INT: Project Management	3
MIS 640	Advanced MIS	3
INF 664	Wireless and Cellular Systems	3
CSCI 663	Introduction to Cryptography	3

Master of Professional Studies: Computer Networking

Core Curriculum
A total of 9 credits from...

Code	Course Title	Hours
INF 890	Research Methods in Informatics	3
INF 802	Seminar in Informatics	3
INF 685	Fundamentals of Network Security	3

Major Curriculum
A total of 9 credits from...

Code	Course Title	Hours
INF 695	Advanced Routing	3
INF 697	Advanced LAN Switching	3
INF 698	Internetwork Troubleshooting	3

Cognates / Electives
Choose 9 credit hours from the following...

Code	Course Title	Hours
INF 658	Law of Cyberspace	3
INF 662	Modern Telephony	3
INF 664	Wireless and Cellular Systems	3
INF 678	Seminar in INF: Virtualized Infrastructure..	3
INF 880	Management of Information Security	3
INF 886	Penetration Testing	3
INF 885	Information Risk Management	3
INF 826	Internship in Information Networking	3
INF 872	Graduate Readings in Informatics	3

Project
A total of 3 credits from...

Code	Course Title	Hours
INF 891	Capstone in Informatics	3

Master of Professional Studies: Information Assurance Management

Core Curriculum
A total of 9 credits from...

Code	Course Title	Hours
INF 890	Research Methods in Informatics	3
INF 802	Seminar in Informatics	3
INF 684	Fundamentals of Network Security	3

Major Curriculum
A total of 12 credits from...

Code	Course Title	Hours
INF 666	Web Security	3
INF 805	Information Systems Forensics	3
INF 880	Management of Information Security	3
INF 885	Information Risk Management	3

Cognates / Electives
Choose 6 credit hours from the following...

Code	Course Title	Hours
INF 668	OS Security	3
INF 886	Penetration Testing	3
INF 658	Law of Cyberspace	3
MBA 813	Information Systems for Management	3

Project
A total of 3 credits from...

Code	Course Title	Hours
INF 891	Graduate Capstone in Informatics	3

Master of Professional Studies: Cyber Security

Core Curriculum

A total of 9 credits from...

Code	Course Title	Hours
INF 890	Research Methods in Informatics	3
INF 802	Seminar in Informatics	3
INF 685	Fundamentals of Network Security	3

Major Curriculum

A total of 12 credits from...

Code	Course Title	Hours
INF 668	OS Security	3
INF 805	Information Systems Forensics	3
INF 882	Network Defense	3
INF 886	Penetration Testing	3

Cognates / Electives

Choose 6 credit hours from the following...

Code	Course Title	Hours
	If the student does not have a CCNP:	
INF 695	Advanced Routing	3
INF 697	Advanced Switching	3
	If the student has a CCNP:	
INF 666	Web Security	3
INF 685	Fundamentals of Network Security	3

Project

A total of 3 credits from...

Code	Course Title	Hours
INF 891	Graduate Capstone in Informatics	3

Master of Professional Studies:

Web and Applications Development

Core Curriculum

A total of 9 credits from...

Code	Course Title	Hours
INF 890	Research Methods in Informatics	3
INF 802	Seminar in Informatics	3
INF 650	Introduction to Human-Computer Interaction	3

Major Curriculum

A total of 15 credits from...

Code	Course Title	Hours
INF 651	Front-End Web Development I	3
INF 652	Database Design and Programming	3
INF 653	Back-End Web Development I	3
INF 654	Mobile Web Development I	3
INF 655	Front-End Web Development II	3

Cognates / Electives

A total of 3 credit hours from the following...

Choose two courses from the following:

Code	Course Title	Hours
INF 656	Back-End Web Development II	3
INF 657	Mobile Web Development II	3
INF 658	Law of Cyberspace	3
INF 826	Graduate Internship in Informatics	3

Project

A total of 3 credits from...

Code	Course Title	Hours
INF 891	Graduate Capstone in Informatics	3

Course Listing - Informatics

Undergraduate Credit

101 Introduction to Computer Information Systems (3) This course is an introduction to computing with emphasis on improving productivity and communication through the effective use of available technology. Students will acquire computing skills to increase personal productivity in problem-solving, critical thinking and information management through the use of available software packages designed for office applications and telecommunications.

122 Introductory Workshop in Informatics (1-3) This is a variable content course designed to provide academic credit for lower division students participating in specialized workshops designed to explore one or more curricular areas of Information Networking and Telecommunications. Course subtitles reflect specific topics. Sample uses include: INT 122 Intro Workshop/Movie Making, INT 122 Intro Workshop/Web Team, INT 122 Intro Workshop/Exploring Information Sciences. This course may be taken multiple times with differing subtitles.

140 Introduction to Electronic Media (3) This course presents an overview of the operations and history of the radio and television industry and its evolution to new media. It surveys contemporary media communication, strategy, industry issues, and policy issues. It also provides an introduction to the impact of the convergence of technologies in the electronic media.

240 Digital News Reporting (3) Beginning course in recognizing, gathering, and writing news. Outside reporting required. Requisites: PR, ENG 102

250 Introduction to Web Development (3) This course provides the concepts and skills for planning, development, and deployment of web-based hypermedia systems. It covers the use of text, graphics, audio, and video in web environments and the conversion of existing systems to web environments. A major web-based project is required. This is a required course for INT majors. Requisites: PR, INF 101, CSCI 163 or equivalent.

291 Internetworking I (3) Students will study the application of theories relevant to data communications for global internetworking and apply those concepts to a variety of assignments, including hands-on internetworking labs and projects. Students will study topics that include the fundamentals of internetworking, the roles of protocols and layered communications within data networks. Students will also learn about physical and logical network addressing, the devices and services that support data communications as well as the fundamental concepts associated with routing and switching. This course is part of the 12-hour certificate in Internetworking offered by the Department of Informatics and it is a prerequisite to INF 292 .

292 Internetworking II (3) This course will continue to explore the fundamental internetworking concepts associated with routing and switching. Students will study key characteristics associated with Local Area Networks and the role the switches and routers play. Students will have the opportunity to learn about advanced switching concepts as well as apply them through hands-on laboratory projects. Students will also explore some static and dynamic routing, traffic filtering through access control lists, as well as advanced network services such as DHCP, DNS, and Network Address Translation. This is the second of two courses that are aligned with the objectives of Cisco's CCENT certificate exam. Requisites: PR, INF 292

300 Foundations of Informatics (3) This course introduces the student to the basic principles of the field of Information Networking and Telecommunications by examining both the technologies that are important in assembling and distributing information and the skills that are necessary to succeed in this field, such as critical thinking, peer and self-assessment, reflective thinking, collaborative work, time management, and professionalism. Completion of this course will allow the student to move on to more advanced courses within the major.

302 Windows Client Administration (3) Contemporary treatment of computer architecture using assembly language, the interface between hardware and software. Provides an overview of key hardware and software engineering issues.

303 Computer Operating Systems (3) Operating-system software and design, including device management, resource allocation, task scheduling and control, communications interfaces, user management, security, and current developments in the field. Extensive work in command and script languages for job control (e.g., DOS, VSE, VM, Windows).

305 Windows Server Administration (3) Principles of programming languages, including compilation and interpretation, syntax specification, and language selection; program development environments. Requisites: PR, INF 302.

306 Android Application Development (3) This course provides the essential features of visual basic programming language for rapid application development. The standard controls and event handling procedures in Visual Basic is discussed and used to develop applications with graphical user interface. Coverage will include strings manipulation, array structures, function calls, object development, and database connectivity. Requisites: PR, JR standing.

310 Production/Operations Research (3) Development and use of operations research techniques, inventory models, linear programming, simplex method, dual solutions, transportation problems, queuing theory, and Markov processes. Requisites: PR, MIS 101, MIS 200, MATH 331.

315 Enterprise Resource Planning (3) This course is intended to explain how the fundamental business processes interact with ERP in the functional areas of Sales and Distribution, Materials Management, Production Planning, Financial Accounting , Controlling, and Human Capital Management. Real business scenarios and applied techniques to organizational decision making are emphasized. Requisites: PR, INF 304

320 Electronic Commerce (3) This course provides a broad coverage of key business and technology elements for creating and maintaining an electronic commerce site. Current issues in electronic commerce infrastructure, security options, management techniques, marketing strategies, and payment systems are presented and discussed. The course will provide case studies to demonstrate successful implementation of electronic storefronts.
Requisites: PR, Junior standing.

322 Topics in Informatics + (1-3) Course is designed to provide academic credit for a number of different areas in the Information Networking and Telecommunications Department. The student will study one particular topic in depth.

330 Business Intelligence (3) This course provides conceptual and applied knowledge in techniques to visualize, process, and use data to support and enhance decision-making in business. Students gain practical experience in using BI tools and technologies, and apply design principles for creating intelligent solutions to realistic business problems. Requisites: PR, INF 315.

335 Collaboration Systems (3) Modern interface hardware/ software systems, including selection, implementation, and control; specification of graphical user-interface applications, including display graphics, graphics-oriented interface systems, and operating system interface considerations (extensive work in large-scale project development using object-oriented systems).

336 Electronic Newsroom Operation (3) This course focuses on the content creation of electronic news, public affairs programming, and sports. It serves as a laboratory class for applications of theories and skills developed in other INF courses. Requisites: INF 140.

340 Media Performance (3) Presents fundamentals of announcing, including microphone techniques, voice use, pronunciation, and interpretation of copy.

346 Beginning Video Production (3) The student is introduced to the techniques of video production including practical application of instruction. Requisites: PR, INT 140.

348 Beginning Audio Production (3) The study of audio production and the integration of technology-based techniques for the purpose of designing, implementing, and producing effective and attractive audio presentations. Course material is targeted toward information networking and communication majors or those disciplines which utilize electronic media as communication tools.

349 Convergent Media Lab + (3) Presentation of television production and operations experience involving students in studio and remote productions through the operation of the access channels of Hays Cable Television and the Internet. (May be taken two semesters.) Requisites: INF 140, INF 240, INF 346, INF 348.

350 Sports Announcing (3) Students will learn the basic principles of sports broadcasting including play-by-play, play-by-play preparation, sports anchoring, and interviewing. Students should also gain an overview of the daily responsibilities of a sports director as well as industry expectations.

360 Programming with Python (3) This is an introductory course for programming with Python. This class introduces the basic concepts and practices of computer programming for beginners. Python is a popular and versatile programming language. Python syntax and structure is designed to be easy to learn and understand. Learning Python prepares students for various technology-related tracks including, but not limited to, Web and Mobile Development, Management Information Systems , and Networking. This class provides opportunity to learn and practice programming skills in a creative hands-on environment.

393 Internetworking III (3) This course will first review concepts covered in CCNA semesters one and two in preparation to take the CCENT certification exam. Then, the course will continue to expand on internetworking topics, specifically presenting a comprehensive overview of advanced routing, and switching concepts associated with OSPF, EIGRP, STP, and VTP for both IPv4 and IPv6 networks. Additional concepts covered include implementing DHCP and DNS operations. In this course, students continue to expand their understanding of internetworking through both theoretical discussion of and hands-on experience with networking concepts. Requisites: PR; INF 292.

394 Internetworking IV (3) In this course students will continue to build their skills and knowledge of internetworking. Introduced in this course are wide are network technologies along with many of the network services found in complex networks. Students will continue to expand their understanding of internetworking through both theoretical discussion of and hands-on experience with networking concepts. Specific topics covered include: WAN technologies, network architecture, the hierarchial network design model, virtual private networks (VPNs), broadband internet connections, as well as network monitoring operations and tools. This is the second of two courses that allign with the objectives of Cisco's Interconnecting Cisco Networking Devices Part 2 (ICND2) certification examination. Collectively, the four Internetworking courses cover the objectives for Cisco's CCNA Route and Switch certification. Requisites: PR; INF 393

405 Research Methods in Informatics (3) This course studies information gathering and how quantitative and qualitative research methods are used in the electronic media, computer networking, and telecommunications industries. Requisites: INT 300 .

420 Social Issues and Informatics (3) A sociological and cultural approach to the forces which have shaped and continue to shape information networking and telecommunications.

430 Technology Innovation and Entrepreneurial Leadership (3) This course is devoted to studying the role of leadership in information networking. The prime focus is on how to facilitate meaningful communication, develop organizational missions, and establish realistic goals and objectives using contemporary leadership theories and practices appropriate to information networking. Requisites: INT 300 or PERM.

472 Readings in Informatics + (1-3) Special study by the student in a field of particular concentration.

473 Problems in Informatics + (1-4) Special problems encountered by the student in a field of concentration.

476 Apprenticeship in Informatics + (1-6) Course is designed to provide practical experience in teaching and administration of Information Networking and telecommunications.

479 Internship in Informatics (1-6) The internship is designed to supplement classroom instruction by providing the student with the opportunity to participate in a professional environment. It is considered a final stage of undergraduate coursework in Information Networking and Telecommunications. The practical experience obtained, combined with the theoretical and application training in traditional course work, promotes the development of a well-rounded and professionally prepared individual. Requisites: PERM.

490 Capstone Seminar in Informatics (3) This is an advanced course that studies information network theory through case study, application, and on-site observation. Emphasis is placed on studying actual information networking problems encountered in organizations and communities. Field work and compilation of the student's portfolio is required as part of the course. Requisites: completion of all other INT degree core courses or its equivalent with PERM.

Undergraduate/Graduate Credit

603 Big Data Analytics (3) Analysis and design of large integrated databases; design alternatives; logical and physical representation of data; storage and retrieval mechanisms and languages; survey of existing systems; roles of the database manager and analyst.

605 Principles of Computer Security and Forensics (3) This course addresses the rapidly emerging area of computer security and forensics. Topics covered will include security concepts, cryptography, public key infrastructure, standards and protocols, impact of physical and network security, infrastructure security, wireless and instant messaging, instruction detection, risk, change, and privilege management and computer forensics dealing with security and law. Course includes the learning requirements for certifications in the Com TIA Security Plus, the (ISC) 2 SSCP, and NSTISSC 4011 Examinations.

610 Public Policy, Law, and Ethics in Telecommunications (3) This course addresses the regulation of computers networks, the telecommunications industries, and media distributors. Included is a consideration of the following: how regulation affects these industries and how developments in these industries affect public policy and society; how public policy is designated; and the moral and ethical obligations of these industries. Requisites: PR, INF 140, ENG 102, or PERM.

621 News Editing (3) Intensive study and application of copy editing, headline writing, page layout, and general editing principles. Requisites: PR, INF 240.

622 Feature Writing (3) Study in skills and practices in writing feature articles for newspapers and magazines. Requisites: PERM.

624 Media Continuity Writing (3) Develop creativity in writing continuity for radio, television and the Web with emphasis on commercial and promotional writing. Requisites: PR, INT 140 or PERM.

625 Advanced Digital Journalism (3) This course provides theoretical and applied study of digital journalism. It includes experience in gathering and writing news for broadcast on campus radio station, campus television, and streaming Internet distribution. Requisites: PR, INF 240, INF 346, ENG 101.

626 Law and Ethics in Journalism and Media (3) Study of the legal and ethical issues facing today's journalist, advertising specialist and/or public relations practitioner. Topics of study include: the First Amendment, libel, invasion of privacy, freedom of information laws, shield laws, fair trial/free press issues, obscenity, issues involving high school and college publications, copyright, and advertising law. PR, INF 240.

629 Media Management and Sales (3) Presents the problems, theories, legal responsibilities, and economics of electronic media management and sales. Requisites: PR, INF 140.

633 Advanced Video Production (3) Emphasis is placed on the development and production of video presentations to perfect various video production techniques. Requisites: PR, INT 346.

634 Graphics and Effects for Video and Film (3) This is a course focusing on advanced visual techniques in video post-production. Students will develop mastery of graphic design for video and film and advanced operation of digital post production equipment. Students will understand the theory behind and have the opportunity to develop skills in post-production techniques for the television, post production, and film industries. Requisites: PR, INF 346 and INF 633.

636 Computer Editing of Video (3) This course introduces digital non-linear editing and includes both the history and theory of the subject and the practicalities of running a modern computer-based editing system. An intense course offering students a working knowledge of the subject, a digitally edited project for their resume (reel or portfolio), and abilities that are an invaluable part of their skill set. Requisites: PR, INF 346; co-requisite, INF 633, or PERM.

638 Intensive Video Production (3) Advanced study and application of electronic production techniques in the field and studio. Emphasis placed on shooting, lighting, directing, and editing of electronic news and on-location productions. Requisites: PR, INF 346.

645 Artificial Intelligence Systems and Applications (3) Elements of artificial intelligence systems design, development, and implementation, including expert systems, adaptive systems, natural-language processing, and pattern recognition as applied in information systems. Requisites: PERM.

650 Interactive Systems Design (3) Interactive Systems Design presents ideas, theories and concepts in the field of Human Computer Interaction (HCI). More specifically, the constructs of HCI are analyzed in order to develop simpler and more efficiently designed multi/hypermedia artifacts. This course is not, however, centered around the computer as a focus of development. The faculty and students will look at the computer as a tool but with special emphasis on the human senses and how these are affected by the computer. By understanding the human role in HCI, more

proficient learning and presentation strategies can be instilled in the student. The basic focus is centered on the human-being in a technology-influenced environment.

651 Front End Web Development I (3) This course introduces concepts and practices of web development with client-side scripting languages. Students will learn the basic syntax, structure, and methods of JavaScript and how they apply to the HTML Document Object Model (DOM). This class is designed for students to learn and practice their programming skills in a creative and hands -on manner. At the end of this course, students will be able to develop interactive, front-end web applications. Requisites:: PR, INF 250, INF 360.

652 Database Design and Programming (3) This course teaches students to analyze complex business scenarios, design and create data models and create databases using SQL. Oracle SQL Developer Data Modeler and Application Express (APEX) are utilized to provide practical, hands-on engaging activities. Leveraging project-based learning techniques, students will create and work with projects which challenge them to design, implement, and demonstrate a database solution for a business or organization.

653 Back-End Web Development (3) This course focuses on the design and implementation of dynamic web applications and Application Programming Interfaces (APIs) using server-side programming languages and databases included in LAMPP (Linux, Apache, MySQL and PHP) stack. At the end of the course, students will be able to analyze the requirements, define the specifications, and develop complete Content Management Systems for a variety of sectors and purposes. Requisites: PR, INF 651 and INF 652.

654 Mobile Web Development (3) This course introduces concepts and practices of mobile web development that is platform independent. While building progressive web applications, students will learn to create offline-first experiences, audit an app's performance, debug asynchronous functions, and more. The skills to build and optimize progressive web applications is an important and highly demanded skill for mobile web developers. This class is designed for students to learn and practice their programming skills. Requisites: PR INF, 651, INF 652, PERM.

655 Front-End Web Development II (3) This is the advanced course for front-end web development utilizing Javascript and associated code libraries. Students will complete complex coding exercises, solve algorithms, apply problem decomposition to break large project assignments into several smaller tasks, and develop personal creative projects. This class is designed for students to learn and practice their programming skills in a creative and hands-on manner. Requisite: PR, INF 651.

656 Back-End Web Development II (3) The MongoDB, ExpressJS, AngularJS, and Node.js package, known as the "MEAN stack", offers a robust alternative to the traditional LAMP stack based on Apache, MySQL, and PHP. This course details advanced concepts and recent frameworks for server-side programming included in the MEAN stack as well as several best practices for improving the design, security, integration, and scalability of web applications. At the end of the course, as a full-stack web developer, you will be able to define and implement strategic decisions for the success of versatile web platforms. Requisites: PR, INF 656.

657 Mobile Web Development II (3) This course introduces an efficient approach to the development of native applications in the rapidly changing scenario of mobile devices. The course covers different programming environments, rapid prototyping tools, and building blocks for designing user interfaces, acquiring and processing data from device sensors (e.g., motion, localization), and interacting with web services. At the end of the course, you will be able to realize and publish native applications for specific operating systems (e.g, Android and iOS) and for cross-platform deployment scenarios. Requisites: PR, INF 654.

658 Law of Cyberspace (3) Is an in-depth examination of key legal issues central to the Internet. This course examines Internet operational issues such as copyright and fair use of images, text, video, audio, domain name registration, trademarks, trade secrets, patents, and ISP liability. It examines regulation of the Internet and key criminal and civil rights issues such as e-mail access, pornography, and hacking. It also examines important e-commerce concepts such as digital signatures, on-line contracts, and shrink-wrap contracts. Requisites: PR, POLS 610, POLS 320 or GBUS 204, or permission from instructor.

660 Global Telecommunications Policy (3) Students will study the organization and operations of the federal communications commission and other telecommunications regulators around the world. Students will also investigate the United States Communications Act of 1934 as amended by various acts, such as the Telecommunications Act of 1996. Telecommunications regulatory models in various countries will be studied and compared. Privatization and liberalization trends will also be studied. Requisites: PR, Junior standing.

662 Modern Telephony (3) Students will study the public switched telephone network, the PSTN. Historical development of the network with introductions to telephone regulation, telephone network protocols and architecture, network design issues, traffic and queuing theory, multiplexing of voice, digital encoding of voice, xDSL systems on voice networks and expected future developments in the telephony field. Requisites: PR, INF 292

664 Wireless and Cellular Systems (3) Students will study wireless radio communications from the basics of radio wave propagation to the complexities of cellular system design. Both stationary and mobile communications are investigated. Wireless data communications protocols for local area networking, point-to-point satellite communications, and first through third generation cellular air interface standards are also studied. Requisites: PR, MATH 110, INF 250, and INF 293.

670 Workshop in Informatics + (1-3) Designed to give concentrated training in an area of Information Networking and Telecommunications.

671 Linux in Networking (3) This course is designed to give students an introduction to the Linux operating system in networking including Linux's utilities, file system, shell, KDE and GNOME.

672 Advanced Linux in Networking (3) This course is designed to give students an introduction to the advanced topics of Linux operating system in networking including shell, programming tools and system administration. Requisites: PR, INF 671.

674 Graduate Independent Studies in Informatics + (1-3) The student will conduct directed, independent work in management information systems topics not treated in depth in courses regularly offered by the department. The course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PR, Senior standing.

676 Graduate Apprenticeship in Informatics + (1-3) The student will serve as a tutorial aide, research, etc. Permission of the department chair is required before enrollment. See advisor for details. Requisites: PR, Senior standing.

678 Seminar in Informatics + (3) Seminar courses are designed to provide in-depth study of specific subject matters in Information Networking and Telecommunications. Seminar courses will vary according to the needs of graduate students. Courses will include substantial interaction between students, and, students and faculty. Requisites: PR, As established by the instructor.

680 Network Architecture and Data Communications I (3) Students in this course will study the concepts and theories relevant to data communications for global internetworking. In the course, students will study topics that include the OSI model for internetworking, physical transmission media, electronic and electromagnetic signaling, analog and digital signaling, line coding, link layer protocols and local addressing, network layer protocols and global addressing, routing and queuing theory, LAN and WAN protocols, and Internet transmission protocols. This course is part of the 12-hour certificate in Internetworking offered by the Department of INT and it is a prerequisite to Network Architecture and Data Communications II. These two courses represent the theoretical side of the certificate program. This is a required course for department majors in the Computer Networking emphasis. The course is also part of the Justice Studies Information Networking Certificate. Requisites: PR, MATH 110.

681 Network Architecture and Data Communications II (3) Students in this course will study internetworking services that reside in the upper layers of the OSI model, and advanced concepts not included in Network Architecture and Data Communications I. Topics may include but are not limited to: Internetwork Design, Internetwork Security, Synchronous Optical Network (SONET), Internet Control Message Protocol (ICMP), Simple Network Management Protocol (SNMP), Point to Point Protocol, advanced routing protocols, and other Internetworking services. Requisites: PR, INF 680, INF 291.

684 Foundations of Information Systems Security (3) This course is intended as an introduction of the many facets of information security. It approaches information security from a holistic perspective and emphasizes that security encompasses more than just hardware and software. The course provides an introduction to the technological tools used to protect information including software, hardware, and network tools. It also addresses protocols, processes, human systems, security management practices, and other non-technological elements. This course introduces the upper division/graduate sequence in information assurance.

685 Fundamentals of Network Security (3) This is a course focusing on security concepts as they relate to internetworks, including: security policy design and management, security technologies and solutions, firewalls, hands-on implementation using firewalls, Authentication-Authorization-Accounting (AAA), and secure VPNs. Requisites: PR, INF 292

686 Network Security Firewalls (3) This course focuses on network security concepts as they relate to the edge protection of an internetwork. Material covered will include: protocol-based security technologies, hardware-based firewall security appliances and their use with Authentication-Authorization-Accounting (AAA), and intrusion detection. Additionally, hardware-based security appliance Virtual Private Network configuration and implementation as well as firewall redundancy, maintenance and management will be covered. Requisites: PR, INF 292

695 Advanced Routing (3) Students will study the theory and application of advanced routing protocols for internetworking. This course explores the operation of Border Gateway Protocol (BGP), Enhanced Interior Gateway Routing Protocol (EIGRP) and Open Shortest Path First (OSPF). Network scalability issues and solutions, security and management issues related to advanced routing topics will also be studied. This is one of the four course series that prepares a student for the Cisco Certified Network Professional (CCNP) certification. Requisites: PR, INF 393, INF 394 or PERM.

696 Securing Converged WANs (3) Students will advance their knowledge and skills necessary to secure and expand the reach of an enterprise network to teleworkers and remote sites with focus on securing remote access networks and virtual private networks. Topics will include the hierarchical network model for remote access networks, teleworkers configuration and secure access, frame mode MPLS, site-to-site IPSEC VPNs, Automated VPN service considerations, and strategies used to mitigate network attacks relating to remote access networks, device hardening and firewall features supporting remote access networks. This is one of the four courses that prepare a student for the CISCO Certified Network Professional (CCNP) certification. Requisites: PR, INF 393 and INF 394.

697 Advanced LAN Switching (3) Students will expand their knowledge and will master skills in the design, operation and management of large scalable and reliable local area networks based on multilayer switching. This course includes the study and application of multilayer switching, hierarchical LAN switching design, fast Ethernet and gigabit Ethernet standards, study and configuration of LAN switch operating systems, and advanced VLAN operations. The course also explores ether channel, hot standby routing protocol, multicasting protocols, and security in the LAN. This is one course of the four course series that prepares a student for the CISCO Certified Network Professional (CCNP) certification. Requisites: PR, INF 393 AND INF 394.

698 Optimizing Converged Networks (3) Students will develop knowledge and skills in optimizing and providing effective quality of service (QoS) techniques for converged networks. Topics in-

clude QoS methods, supporting VoIP networks with QoS, the DiffServ QoS model, automated QoS considerations, QoS on wireless systems and controller based wireless management approaches. This course is the culminating course in the four course advanced internetworking series. It is also the culminating course in preparation for the CISCO Certified Network Professional Certification. Requisites: PR, INT 293 / 392, INT 394 or PERM.

Graduate Credit

802 Proseminar in Informatics (3) This course introduces the disciplinary areas in informatics: cyber security, information assurance management, networking, web design, management information systems, enterprise management, and media studies. This course requires enrolled students to read assigned articles and be prepared to write paper reviews to each article during each week. Paper reviews assignments are assigned to help students reflect on the assigned readings as well as provide students an opportunity to improve upon written communication skills. This course also requires students to participate and encourages them to give a speech in workshops to help students learn the latest research information in informatics. Requisites: Basic computer literacy, MIS 101 or equivalent, or PERM.

826 Graduate Internship in Informatics (1-6) The internship is designed to supplement classroom instruction by providing the student with the opportunity to participate in a professional environment. It is considered the final stage of coursework in Information Networking and Telecommunications and may serve as the culminating experience for INT/MLS graduate students. Requisites: PERM.

872 Graduate Readings in Informatics (1-3) This course provides an opportunity for special study by the student in the student's field of particular concentration for interest. Readings are arranged with and supervised by a supervising faculty member. Prerequisites: PERM.

876 Professional Topics in Informatics + (1-3) This course is designed to provide applied and theoretical knowledge in information networking technology application, instruction, or administration. Courses subtitles reflect specific topics. Sample uses of this course would be: INT 876 Professional Topics in INT/Web and Video Use of Macromedia Flash or INT 876 Professional Topics in INT/Configuration of Optical Networks. Requisites: PR, Senior or graduate standing. Special requirements may be established.

880 Management of Information Security (3) This course is designed to give students an introduction to management of information security. It covers 6 Ps: Planning, Policy, Programs, Protection, People and Project management. This course examines the skills to identify and prioritize information assets and threats to information assets. The course will also examine the techniques to define an information security strategy and architecture, and to plan for and respond to intruders in an information system. Course work will include the study of legal and public relations implications of security and privacy issues. Additional discussion will be given to a disaster recovery plan for recovery of information assets after an incident.

885 Information Risk Management (3) This course provides an in-depth study of the technology solutions required to sustain Risk Management and Disaster Recovery operations in an enterprise networking infrastructure environment. This course will examine risk assessment methodologies to identify risks and the processes involved in choosing to avoid, transfer, mitigate or accept those risks. The course will also examine the techniques and technologies to maximize the likelihood of continued business operations of IT systems in the case of a disruption or a major disaster. Course work will include the study of Risk and Business Impact Assessment (BIA), disaster response and recovery strategies, and business continuity planning and recovery plan development. Additional discussions will be given to the surveying of appropriate and current technologies and techniques. Requisites: CR, INT 880 or PERM.

890 Graduate Research Methods in Informatics (3) This course introduces graduate students to a range of research tools. It is an immersion course designed to support students in developing graduate research projects. Requisites: INT684 or INT880 or PERM.

891 Graduate Research Methods in Informatics (3) This is a culminating course for students seeking a graduate degree from the Department of Informatics. It is applicable for all master programs within the Department of Informatics. This course consists of a structured seminar aimed at allowing students to reflect upon experiences gained during the Cyber Security, Information Assurance Management, Computer Networking and Telecommunications, Web Development, or other concentrations area in Informatics, and synthesize that knowledge and experience in the form of a Capstone project. Students are required to complete a significant project and research paper written at the master's degree level. The student will work very closely with his/her advisor/ professor on the project. This project has a tight schedule and must be approved by the reviewing committee for the student to successfully pass this course. Requisites: PR, INF 890.

Management Information Systems
Undergraduate Credit

201 Business Software Development (3) An introductory course designed to introduce students to the complexities of business software development. Solving logical, business-related problems and applying programming techniques are the main objectives of the course.

215 Professional and Ethical Standards in MIS (3) This course is a study of various business information systems initiatives and how information technology supports those initiatives. The premise for this approach is that business information systems initiatives should drive information technology. Social, legal, and ethical awareness in the study of information technology will be emphasized. Issues such as privacy, ownership, crime, responsibility, and risk are covered while concomitantly reinforcing information systems technical concepts. Requisites: PR, MIS 101.

300 Business Process Analysis (3) This course includes an introduction to the basic concepts of a process and identification of the

various process types and As-Is models. The course covers the process of analyzing the As-Is model using Six Sigma concepts to identifying process improvement areas toward creating To-Be models. Process modeling best practices and hands-on exercises which apply quality control and improvement are included. At the end of the course, students will be able to identify processes, analyze and suggest process improvements to run an organization effectively. Requisite: PR, INF 393 and INF 394.

301 Business Software Development (3) This course introduces students to a complex programming environment and object creation/modification. Students will learn how to apply information solutions in common business scenarios using a standardized, high -demand programming environment.

MIS Prefix Courses Undergraduate/Graduate Credit

304 Management Information Systems I (3) The study of: information systems usage and management; information-based support systems and information systems requirements; management of information systems; and advanced considerations in the evaluation and selection of information systems. Requisites: Junior Standing.

305 Business Data Management (3) Data types and their relation to sequence structures, including lists, arrays, trees, records, abstract, and opaque types. Introduction to character and symbolic data.

315 Enterprise Resource Planning (3) This course provides the concepts and programming techniques needed to learn the RPG IV programming language. Coverage includes RPG IV basics and advanced topics. It also provides the foundation for moving from older RPG environments to the modern RPG IV language. Requisites: PR, Junior standing.

330 Business Intelligence (3) This course provides conceptual and applied knowledge in techniques to visualize, process, and use data to support and enhance decision-making in business. Students gain practical experience in using BI tools and technologies, and applying design principles for creating intelligent solutions to realistic business problems.

602 Information Systems Design and Development (3) This course provides a detailed analysis of the System Development Life Cycle (SDLC). Emphasis is placed on the tools and techniques that a project leader and systems analyst would use to analyze, design and document an information system. The course will also emphasize the importance of various skills, which the systems analyst should possess including: communication, problem solving and project management. Requisites: PR, INF 101, PERM.

610 Culminating Project or Experience in MIS (3) Development of a significant computer application in a realistic setting using modern tools and methods. Requisites: PR, MIS 602.

625 Business Intelligence Technology (3) This course provides an introduction to Business Intelligence, including the processes, methodologies, infrastructure, and current practices used to transform business data into useful information and support business decision-making. Business Intelligence requires foundation knowledge in data storage and retrieval, thus this course will review logical data models for both database management systems and data warehouses. Students will learn to extract and manipulate data from these systems and assess security-related issues. Data mining, visualization, and statistical analysis along with reporting options such as management dashboards and balanced scorecards will be covered. Technologies utilized in the course include SAP Business Warehouse, SAP Business Objects, Crystal Reports, and RapidMiner.

640 Advanced Management Information Systems (3) Information systems and interfaces for high-level users in advanced organizations, including design, selection, and implementation of systems; control and managerial issues related to decision-support and expert systems. Requisites: MIS 304.

672 Readings in Management Information Systems + (1-3) Purpose of the course is to provide an opportunity for in-depth reading and study of the field of management information systems. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PR, Senior or graduate standing and PERM.

673 Problems in Management Information Systems + (1-3) The student will work directed problems related to management information systems. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PR, senior or graduate standing and PERM.

675 Seminar in Management Information Systems + (1-3) The purpose of the seminar is to bring together a small group of students for intensive study and discussion of management information systems topics. The course will not substitute for any departmental theory course.

677 Internship + (1-6) The student will perform meaningful, professionally related work. A job in the student's major must be obtained in advance and be approved by the advisor and the department chair prior to enrollment. See advisor for details. Requisites: PR, Senior or graduate standing and PERM.

+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Management

Today's dynamic business world requires leaders who know how to handle rapid change, make decisions that drive solutions, and lead people. The Department of Management offers on-campus and online undergraduate programs in business management that teach you how to inspire teams and help organizations reach their full potential.

The leadership skills you'll learn are transferable to any career, whether you're an entrepreneur eager to launch your start up, want to be the CEO of a huge company, or want to provide leadership to other sectors like government or education.

Department of Management Faculty & Staff

Chair: Dr. Rick Edgeman
Professors: Dr. Rick Edgeman
Associate Professors: Dr. Anthony Gabel, Dr. Steven Tam, Dr. Gregory Weisenborn
Assistant Professors: Dr. Robert Lloyd, Dr. Candace Mehaffey-Kultgen, Dr. Kunal Sevak, Dr. Jane Talkington, Dr. Jun Yang
Instructors: Mr. Thomas Lippert, Dr. Christianna Pruden, Mr. Henry Schwaller
Department Staff: Ms. Caylan Harris, *Senior Administrative Assistant;* Ms. Nanette Fitzhugh, *FHSU Online Advisor*

See department page online for full listing

Undergraduate Degrees

Bachelor of Business Administration: Management
Bachelor of Business Administration: Human Resource Management
Bachelor of Business Administration: Operations Management

Graduate Degrees

Master of Professional Studies: Human Resource Management

Minors

Business Administration
Entrepreneurship
International Business
Management

Certificate Programs

Business Law
Human Resource Management (grad & undergrad)
Operations Management
Entrepreneurship

Bachelor of Business Administration: Management

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
MATH 331 Calculus Methods	3
One Natural Science Elective and one laboratory	4
Social and Behavioral Sciences	
ECFI 201 Principles of Economics: Micro	3
ECFI 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
ECFI 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Management Core

A total of 18 hours from...

Code	Course Title	Credits
MGT 101	Introduction to Business	3
MGT 403	Business, Society, and Ethics	3
MGT 410	Organizational Behavior / Development	3
MGT 411	Applied Management Skills	3
MGT 611	Human Resource Management	3
MIS 304	Management Information Systems	3

Management Electives

Choose 18 hours from...

Code	Course Title	Credits
MGT 601	Project / Program Management	3
MGT 604	Management of Small Business	3
MGT 605	Entrepreneurship	3
MGT 606	International Business	3
MGT 608	Total Quality Management	3
MGT 615	Labor Relations & Collective Bargaining	3
MGT 612	Recruitment, Selection, and Retention	3
MGT 613	Total Compensation	3
MGT 614	Training and Development	3
THM 620	Tourism and Hospitality Management	3
THM 621	Tourism and Hospitality Marketing	3
THM 622	Service Operations	3
THM 623	Meetings, Conventions, & Events Man…	3
THM 624	Hotel and Resort Management	3
GBUS 673	Problems: Supply Chain Management	3
GBUS 673	Problems: Employment Law	3
BCOM 210	Introduction to Professional Development	3
MKT 302	Strategic Selling	3
MKT 403	Retail Management	3
MKT 603	Customer Service & Relationship Man…	3
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 306	Leadership and Team Dynamics	3
LDRS 310	Field Work in Leadership Studies	3

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Bachelor of Business Administration:
Human Resource Management

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
MATH 331 Calculus Methods	3
One Natural Science Elective and one laboratory	4
Social and Behavioral Sciences	
ECFI 201 Principles of Economics: Micro	3
ECFI 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core
A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
ECFI 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Management Core
A total of 18 hours from...

Code	Course Title	Credits
MGT 101	Introduction to Business	3
MGT 403	Business, Society, and Ethics	3
MGT 410	Organizational Behavior / Development	3
MGT 411	Applied Management Skills	3
MGT 611	Human Resource Management	3
MIS 304	Management Information Systems	3

Human Resource Management Core
Choose 18 hours from...

Code	Course Title	Hours
BCOM 210	Introduction to Professional Development	3
COMM 606	Conflict Management Through Comm…	3
LDRS 306	Leadership and Team Dynamics	3
MGT 615	Labor Relations and Collective Bargaining	3
MGT 612	Recruitment, Selection, and Retention	3
MGT 614	Training and Development	3

Totals
A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Bachelor of Business Administration: Operations Management

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
MATH 331 Calculus Methods	3
One Natural Science Elective and one laboratory	4
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core
A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Management Core
A total of 18 hours from...

Code	Course Title	Credits
MGT 101	Introduction to Business	3
MGT 403	Business, Society, and Ethics	3
MGT 410	Organizational Behavior / Development	3
MGT 411	Applied Management Skills	3
MGT 611	Human Resource Management	3
MIS 304	Management Information Systems	3

Operations Management Core
18 hours from...

Code	Course Title	Hours
MGT 101	Introduction to Business	3
MIS 304	Management Information Systems	3
MGT 410	Organizational Behavior & Development	3
MGT 411	Applied Management Skills	3
MGT 475	Business, Society and Ethics	3
MGT 611	Human Resource Management	3

General Electives
Choose 6 hours from...

Code	Course Title	Hours
MGT 310	Operations Research	3
MGT 614	Training and Development	3
MGT 615	Labor Relations & Collective Bargaining	3
ECON 601	Quantitative Methods	3
MIS 300	Business Process Analysis	3
MIS 330	Business Intelligence	3

Totals
A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Bachelor of Business Administration: Entrepreneurship

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
MATH 331 Calculus Methods	3
One Natural Science Elective and one laboratory	4
Social and Behavioral Sciences	
ECFI 201 Principles of Economics: Micro	3
ECFI 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Business & Entrepreneurship Core

A total of 27 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Management Core

A total of 18 hours from...

Code	Course Title	Credits
MGT 101	Introduction to Business	3
MGT 403	Business, Society, and Ethics	3
MGT 410	Organizational Behavior / Development	3
MGT 411	Applied Management Skills	3
MGT 611	Human Resource Management	3
MIS 304	Management Information Systems	3

Minors in Management

Business Administration (Non-BBA)

A total of 21 credits from...

Code	Course Title	Credits
ECON 201	Principles of Economics: Micro OR	
ECON 202	Principles of Economics: Macro	3
GBUS 204	Business Law	3
ACCT 203	Principles of Accounting I	3
MGT 301	Management Principles	3
MKT 301	Marketing Principles	3
BCOM 301	Business Communication	3
FIN 305	Managerial Finance	3

Entrepreneurship (Non-BBA Majors)

A total of 21 credits from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting	3
GBUS 204	Business Law	3
MGT 301	Management Principles	3
ENTR 301	Introduction to Entrepreneurship	3
ENTR 350	Opportunity Recognition…	3
ENTR 401	Opportunity Evaluation & Feasibility	3
ENTR 605	Entrepreneurship	3

International Business

A total of 21 credits from...

Code	Course Title	Credits
BCOM 400	Global Business Communications	3
COMM 602	Intercultural Communication	3
FIN 645	International Finance	3
MGT 606	International Business	3
MKT 606	International Marketing	3
POLS 230	Introduction to International Relations	3
SOC 460	Comparative Cultures and Societies	3

Management

A total of 21 credits from...

Code	Course Title	Credits
MGT 301	Management Principles	3
MGT 403	Business, Society, Ethics	3
MGT 410	Organizational Behavior / Development	3
MGT 411	Applied Management Skills	3
MGT 602	Productions and Operations Management	3
MGT 611	Human Resource Management	3
MIS 304	Management Information Systems	3

Master of Professional Studies: Human Resource Management

Core Curriculum

A total of 9 credits from...

Code	Course Title	Hours
GBUS 673	Problems in Business: Research and Practice in Global Human Resource Management	3
MGT 611	Human Resource Management	3
SOC 621	Advanced Sociological Research ***OR***	
GBUS	Financial & Quantitative Methods	3

Major Curriculum

A total of 12 credits from...

Code	Course Title	Hours
MGT 615	Labor Relations & Collective Bargaining	3
MGT 612	Recruitment, Selection, and Retention	3
MGT 613	Total Compensation	3
MGT 614	Training and Development	3

Cognates / Electives

Choose 6 credit hours from the following...

Code	Course Title	Hours
COMM 606	Conflict Management…	3
GBUS 673	Problems in Business: Employment Law	3
LDRS 650	Principles of Organizational Leadership	3
GBUS 673	Problems in Business: HR Strategy	3
MGT 601	Project / Program Management	3

Project

A total of 3 credits from...

Code	Course Title	Hours
MGT 894	Culminating Experience in HRM	3

Certificates in Management

Certificate in Business Law
A total of 12 credits from...

Code	Course Title	Credits
GBUS 204	Business Law I	3
GBUS 403	Commercial Law	3
GBUS 404	Business Org. & Government Regulations	3
	Choose a Law class from another dept.	3

Certificate in Entrepreneurship A total of 12 credits from...

Code	Course Title	Credits
ENTR 301	Introduction to Entrepreneurship	3
ENTR 350	Problems in Business: Opportunity Recognition and Idea Generation	3
ENTR 401	Problems in Business: Opportunity Evaluation and Feasibility	3
ENTR 605	Entrepreneurship	3

Certificate in Human Resource Management
A total of 12 credits from...

Code	Course Title	Credits
MGT 611	Human Resource Management	3
MGT 612	Recruitment, Selection, and Retention	3
MGT 613	Total Compensation	3
MGT 614	Training and Development	3

Certificate in Operations Management A total of 12 credits from...

Code	Course Title	Credits
MGT 301	Management Principles	3
MGT 602	Production and Operations Management	3
Choose two of the following:		
MGT 601	Project / Program Management	3
MGT 608	Total Quality Management	3
GBUS 673	Supply Chain Management	3
GBUS 673	Foundations in Lean Systems	3

Course Listing

Management — Undergraduate Credit

101 Introduction to Business (3) Survey of the field of business management, marketing, finance, data processing, and accounting; variety, nature, and interrelationship of problems of business operation.

301 Management Principles (3) Introduction to organizations; how the individual relates to the basic management functions of planning, organizing, leading, and controlling. Survey of the evolution of management theory. Requisites: PR, Junior standing and PERM.

310 Production / Operations Research (3) Development and use of operations research techniques, inventory models, linear programming, simplex method, dual solutions, transportation problems, queuing theory and Markov processes. Requisites: PR, MATH 331, MIS 101, MIS 200.

410 Organizational Behavior/Development (3) A study of individual and group behavior from a managerial perspective. Attention is focused on managerial applications of theory and research about the interaction between people and the formal organization, with emphasis on individual differences, interpersonal relations, and small group dynamics. Requisites: PR, MGT 301 or PERM.

411 Applied Management Skills (3) This course focuses on what effective managers actually "do" based on proven principles supported by research and theory. The course is designed around experiential activities centered on building managerial soft skills in the areas of personal development, interpersonal skills, group skills, and communication skills. It is designed to help students discover insights about themselves as managers, fostering the development of a self-awareness regarding their strengths and weaknesses. Students will have the opportunity to practice and apply the managerial skills throughout the course preparing them to be successful managers in a variety of work environments. Requisites: PR, MGT 301, MGT 410, or PERM.

475 Business, Society, and Ethics (3) A study of the interface between business and the social environment. Areas stressed are social responsibility, ethics, corporate strategy, public policy, government regulation, and stakeholder relations. Requisites: PR, MGT 301, MGT 410, MGT 411, MIS 304, or PERM.

499 Business Policy (3) A study of policy-making and development of corporate strategy from a general manager point of view. This course integrates and builds upon the work completed in the core curriculum. Requisites: PR, senior. Senior standing assumes the following courses have been taken: ACCT 203, ACCT 204, ECFI 201, ECFI 202, MKT 301, MGT 301, GBUS 204, ECFI 305, and MIS 101 or CSCI 163.

Undergraduate/Graduate Credit

600 Lean Systems (3) As a foundation for Lean thought and its application in business sustainability, this course introduces foundational principles of Lean Systems including the tools and techniques associated with the identification and elimination of all forms of organizational waste. Foundational materials draw from thought leaders in operations excellence such as Ford, Toyoda, Shingo, Ohno, Womack, Shook, Liker, Goldratt, etc. This course is an extension of basic management principles, and provides increased depth of knowledge in process and systems improvement, lean principles, sustainable systems, and improvement tools and techniques such as those associated with continuous improvement, value-stream mapping, waste identification and elimination, etc. Requisites: PR; MGT 301 or PERM.

601 Project/Program Management (3) The focus of this course is the planning, organizing, directing, and controlling of resources for a relatively short-term project objective or fixed-length program that has been established to complete specific goals and objectives, by applying tools and techniques based on the standard Project Management Body Of Knowledge. The systems approach to project management, by having functional personnel (vertical hierarchy) assigned to a specific project (horizontal structure), will be examined. Graduate students should expect to analyze and synthesize appropriate responses to complex real-world project scenarios. Requisites: PR, MGT 301 or PERM.

602 Production and Operations Management (3) The focus of this course is on solving the problems associated with the planning and control of world-class manufacturing operations. Both the solution to particular production problems and linkages among them will be examined from the standpoint of key issues, process, framework, technical considerations, and managerial considerations. Requisites: PR, MGT 301, MKT 301, BCOM 301, FIN 305, GBUS 204, or PERM.

603 Supply Chain Management (3) Supply chain management is a set of theories, approaches, tools, and techniques utilized to efficiently integrate suppliers, manufacturers, warehouses, and stores. The objectives of supply chain management are to ensure that goods and merchandise are produced and distributed at the right quantities, to the right locations, at the right time, to minimize system-wide costs while satisfying service level requirements. Supply chains associated with service industries also will be addressed. Both qualitative and quantitative approaches will be utilized to provide students with a broad overview of supply chain strategy, as well as specific tools and techniques for designing and analyzing product supply networks. Requisites: PR; MGT 602, MGT 301, MATH 250, JR standing and PERM.

604 Management of Small Business (3) Opportunities in small business ownership; principles and problems of starting a small business enterprise; development of a business plan; and management of small business. Requisites: PR, Junior standing and PERM.

606 International Business (3) A study of the major problems related to international business organization, production, finance, marketing, and coping with different economic systems. The emphasis is placed upon overseas operations of American firms through examination of the major differences between foreign and domestic environments and the impact of these differences on managing the international business corporation. Requisites: PR, MGT 301, or PERM.

607 Management Consulting (3) A cooperative program with the Small Business Administration in which students apply theories learned in all business majors to actual small business problems. Requisites: PR, senior. Senior standing assumes the following courses have been taken: ACCT 203, ACCT 204, ECFI 201, ECFI 202, MKT 301, MGT 301, GBUS 204, ECFI 305, and MIS 101.

608 Total Quality Management (3) A study of Total Quality Management (TQM) concepts and methods developed by W. Edwards Deming, Joseph Juran, Philip Crosby, and others. Continuous quality improvement, total quality control, problem solving, statistical process control, and competitive advantage are the foci. Requisites: PR,, MATH 250, MGT 301, and PERM.

611 Human Resource Management (3) Management theory and practice as applied to the personnel field including an understanding of the recruitment, selection, testing, and development functions; an examination of current laws, learning, and training devices; and a preview of organization and government constraints relative to personnel problems and methods of problem resolution. Graduate students will complete all the course requirements and, in addition, are required to prepare additional materials throughout the course to integrate information. Requisites: PR, MGT 301, Junior standing and PERM.

612 Recruitment, Selection, and Retention (3) This course focuses on the study and application of basic human resource management practices included in the staffing processes. Specific areas covered in the course include staffing models, the labor market and unions, employment law, job analysis and planning, job descriptions and specifications, recruitment, the selection process, testing, employment interviews, and the evaluation of the selection process. Graduate students will complete all the course requirements and, in addition, are required to prepare additional materials throughout the course to integrate information recently published in this field. Requisites: PR, MGT 611.

613 Total Compensation (3) This course examines the development and administration of a compensation system. It focuses on the goals of the organization in its efforts to attract, maintain and motivate human resources. The major objectives are: to examine the current state of compensation decision making pertaining to entry position rates, job analysis, job evaluation systems, wage and salary surveys, merit pay plans, employee benefit systems and executive pay. Graduate students will complete all the course requirements and, in addition, complete an argument paper in support or against a timely total compensation topic. Requisites: PR, MGT 611.

614 Training and Development (3) This course examines the functions of training and development as applied in both large and small business environments. The role of training and development in the current business environment is considered with regard to learning theory, learning objectives, instructional methods, and needs assessment. Focus will be placed on evaluation of training effectiveness and emerging concepts in workplace education.

Graduate students will complete all the course requirements and, in addition, complete an argument paper in support or against a timely training and development topic. Requisites: PR, MGT 611.

615 Labor Relations and Collective Bargaining (3) Focuses on the development, legal environment, and current problems of labor relations. Historical evolution of the labor movement, applicable laws of labor relations, collective bargaining processes, and dispute resolution are addressed. Course addresses employee performance appraisal issues and international comparative labor relations. Requisites: PR, MGT 611, Junior standing and PERM.

616 Research and Practice in Global Human Resources (3) The course educates students on research and best practices in global human resource management. Specific topics include globalization, international strategic human resource practices, ventures, structure, workforce planning and staffing, compensation, performance management, the labor market and unions, employment law, and cross-culture practices and global management. Graduate students will complete all course requirements and, in addition, are required to prepare additional materials throughout the course to integrate information recently published in this field. Requisites: PR, MGT 611 or PERM.

617 Quality Management Applications and Implementation (3) This course explores the wide range of quality management methodologies available to managers, with focus on the strategic role of quality in the organization and strategic issues involved in the management of quality. A broad coverage of how and why quality management programs are implemented in organizations is provided. Methodologies studied may include but are not limited to Six Sigma, ISO 9000, and the Malcolm Baldrige National Quality Award. Requisites: PR, MGT 608 or PERM.

650 Business Policy (3) This is a capstone course for all undergraduate BBA majors, to be taken immediately preceding graduation. It is a study of policy-making and development of corporate strategy from a general manager's point of view. This course integrates and builds upon the work completed in the entire BBA core curriculum. Requisites: PR; MGT 301, MKT 301, BCOM 301, FIN 305, GBUS 204, MATH 331, MGT 602, or PERM.

673 Problems in Business (1-3) The student will work directed problems related to a field of business administration. This course will not substitute for any departmental theory course. Permission of Department Chair is required before enrollment. Requisites: Senior standing or PERM.

Graduate Credit

822 Operations Management (3) Advanced managerial aspects of production and operations management, including design and administration of production systems for both goods and services. Supporting quantitative techniques including optimization theory, queuing theory, and project management systems are covered as needed. PR, Admission to MBA Program or permission of MBA advisor. Requisites: PR, Admission to MBA Program or permission of MBA advisor.

894 Culminating Experience in Human Resource Management (3) As the final course for completion of the Masters of Professional Studies or Masters of Liberal Studies in Human Resource Management, students will complete significant original work that demonstrates their abilities to apply accumulated knowledge acquired throughout the HRM Masters program.

Entrepreneurship — Undergraduate Credit

301 Introduction to Entrepreneurship (3) This is a foundational course that introduces entrepreneurship broadly as both a mindset and a process. The entrepreneurial mindset "…is one in which opportunities are pursued regardless of resources currently controlled." The modern process of entrepreneurship is defined as recognizing, evaluating and exploiting such opportunities. Entrepreneurship is a manageable process that can be taught and applied in virtually any organizational context. Various approaches to entrepreneurship are discussed including application to the contexts of both for-profit and not-for profit organizations, and approaches to one's life and career. This course is a prerequisite for all subsequent courses in entrepreneurship.

350 Opportunity Recognition and Idea Generation (3) This course focuses on the generation, testing, evaluation, and refinement of ideas. Innovation processes that focus on idea development, idea selection, and commercialization of ideas will also be examined. Exploration of the process and stages of creating an innovative new venture will provide the context for discussing the interrelationships among ideation, innovation, commercialization, and entrepreneurial thinking. ENTR 301; or Instructor Permission.

401 Opportunity Evaluation and Feasibility (3) This course focuses on the evaluation, and refinement of ideas via both a quantitative and qualitative feasibility analysis. Students will learn to create and evaluate business models as a means to assess and differentiate between an idea, an idea that is an opportunity, and an opportunity that has potential as a commercially viable new venture. An emphasis is made on the context and conditions in which various business models are successful. Requisites: PR, ENTR 301 and ENTR 350; or Instructor Permission.

Undergraduate/Graduate Credit

605 Entrepreneurship (3) This course reviews the characteristics of successful entrepreneurs as they make decisions to go into business for themselves. Students are presented with the challenge to develop a procedural system for establishing a new business. Requisites: PR, Junior standing and PERM.

Department of Applied Business Studies

Academic Programs

In the current business climate it is more important than ever to be a prepared, valuable employee. This preparation goes beyond having the knowledge to solve job related problems; to be prepared you will need to be flexible, creative, and proactive. To be considered a valuable employee you must be able to work with individuals from different areas, consider innovative ways to solve problems and positively promote your employer, you must also be on the lookout for the latest trends. These traits, paired with the knowledge you will gain from a degree in the Applied Business Studies, will prepare you to be successful in the future.

Undergraduate Degrees

The Department of Applied Business Studies will prepare you in the field of your choice. We offer Bachelor of Business Administration (B.B.A.) in Marketing. Also offered is a Bachelor of Science (B.S.) in Business Education or Tourism and Hospitality Management. Our degree programs are offered on-campus and virtually. This allows you to earn a degree half way around the world! With on-campus and virtual degrees in the fastest-growing industries in business, graduating from the Department of Applied Business Studies is the first step in starting a rewarding career.

Department of Applied Business
Faculty & Staff

Chair: Dr. Stacey Smith

Professors: Dr. Mary Martin

Associate Professors: Dr. Rose Helens-Hart, Dr. Mike Martin, Dr. Karen Thal, Dr. James Ward

Assistant Professors: Dr. Rachel Dolechek

Instructors: Mr. Brad Goebel, Mr. Scott Jones

Department Staff: Ms. Cindy Huser, *Administrative Assistant;* Janelle Perryman, *FHSU Online Academic Advisor*

See department page online for full listing

Undergraduate Degrees

- Bachelor of Science: Business Education (Teacher Licensure)
- Bachelor of Science: Business Education (Corporate Communication)
- Bachelor of Science: Business Education (Training and Development)
- Bachelor of Business Administration: Marketing (General Marketing)
- Bachelor of Business Administration: Marketing (Business Development and Sales)
- Bachelor of Business Administration: Marketing (Digital Marketing)
- Bachelor of Science: Tourism and Hospitality Management

Minors

- Business Communication
- Marketing

Certificate Programs

- Customer Service
- Marketing
- Social Media Marketing
- Tourism and Hospitality Management
- Tourism and Hospitality Marketing

Bachelor of Science: Business Education (Teacher Licensure)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
FIN 205 Theory and Practice of Personal Finance	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Major Core
A total of 30 hours from...

Code	Course Title	Credits
BCOM 300	Spreadsheet Applications	3
BCOM 301	Business Communication	3
GBUS 204	Business Law I	3
LDRS 306	Leadership and Team Dynamics	3
MGT 301	Management Principles	3
MIS 304	Management Info. Systems	3
MKT 301	Marketing Principles	3

Software Applications (Choose 1)

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 322	Topics in Informatics	3

Related Electives (Choose 2)

Code	Course Title	Credits
MKT 403	Retail Management	3
MKT 603	Customer Service and Relationship Management	3
MKT 609	Strategic Electronic Marketing	3
THM 625	Internationally Hospitality	3
THM 632	Sustainable Tourism & Event Management	3

Business Teacher Licensure
Choose 35 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
MGT 611	Human Resource Management	3
BUED 277	Early Field Exp.: Business Education	1
BUED 422	Teaching Accounting & Info. Systems	3
BUED 423	Curriculum & Instruction in Business	3
BUED 613	Organization & Administration of CTE	3
TECS 301	Intro. To Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth & Development	3
TEEL 431	Education Psychology	3
TESP 302	Education Exceptional Students	3
TESS 494	The Secondary School Exp.	4

Secondary Education Major
A total of 31 hours from

Code	Course Title	Hours
TECS 301	Introduction to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	4
TESS 496	Student Teaching	12

Totals A total of 120 credits from...	University Requirements	Department Requirements	Total
	55	65	120

Bachelor of Science: Business Education (Corporate Communications)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
FIN 205 Theory and Practice in Personal Finance	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Major Core
A total of 30 hours from

Code	Course Title	Credits
BCOM 300	Spreadsheet Applications	3
BCOM 301	Business Communication	3
GBUS 204	Business Law I	3
LDRS 306	Leadership and Team Dynamics	3
MGT 301	Management Principles	3
MIS 304	Management Info. Systems	3
MKT 301	Marketing Principles	3

Software Applications—Choose one of the following:

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 322	Topics in Informatics	3

Related Electives—choose two of the following:

Code	Course Title	Credits
MKT 403	Retail Management	3
MKT 603	Customer Service and Relationship Management	3
MKT 609	Strategic Electronic Marketing	3
THM 625	Internationally Hospitality	3
THM 632	Sustainable Tourism & Event Management	3

Corporate Communication Core
Choose 35 hours from...

Code	Course Title	Credits
BCOM 201	Intro. to Corporate Communication	3
BCOM 210	Intro. to Professional Development	3
BCOM 310	Database Applications	3
BCOM 350	Business Communication Applications	3
BCOM 400	Global Business Communication	3
BCOM 601	Managerial Communication	3
BCOM 690	Professional Development	3
BCOM 692	Managerial Reports & Presentation	3
BCOM 695	Corporate Communication Strategy	3
MKT 602	Integrated Marketing Communications	3
	Electives by Advisement	5

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Business Education (Training and Development)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
FIN 205 Theory and Practice in Personal Finance	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Major Core
A total of 30 hours from

Code	Course Title	Credits
BCOM 300	Spreadsheet Applications	3
BCOM 301	Business Communication	3
GBUS 204	Business Law I	3
LDRS 306	Leadership and Team Dynamics	3
MGT 301	Management Principles	3
MIS 304	Management Info. Systems	3
MKT 301	Marketing Principles	3

Software Applications—Choose one of the following:

Code	Course Title	Credits
INF 250	Introduction to Web Development	3
INF 322	Topics in Informatics	3

Related Electives—Choose two of the following:

Code	Course Title	Credits
MKT 403	Retail Management	3
MKT 603	Customer Service and Relationship Management	3
MKT 609	Strategic Electronic Marketing	3
THM 625	Internationally Hospitality	3
THM 632	Sustainable Tourism & Event Management	3

Training and Development Core
Choose 35 hours from...

Code	Course Title	Credits
BCOM 210	Intro. To Professional Development	3
BCOM 310	Database Applications	3
BCOM 350	Business Communication Applications	3
BUED 421	Electronics Media in Instruction	3
BUED 612	Methods of Talent Development	3
MGT 410	Organizational Behavior	3
MGT 611	Human Resource Management	3
MGT 614	Training and Development	3
TECS 301	Intro. To Instructional Technology	3
	Electives by Advisement	8

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Business Administration: Marketing

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Business Core

A total of 27 hours from:

Code	Course Title	Hours
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
BCOM 301	Business Communications	3
FIN 305	Managerial Finance	3
GBUS 204	Business Law I	3
MGT 301	Management Principles	3
MGT 602	Production & Operations Management	3
MGT 650	Business Policy	3
MKT 301	Marketing Principles	3

Major Core

A total of 18 hours from...

Code	Course Title	Credits
MKT 302	Strategic Selling	3
MKT 610	Social Media Marketing	3
MKT 601	Consumer Behavior	3
MKT 604	Marketing Research	3
MKT 606	International Marketing	3
MKT 650	Marketing Strategy	3

Marketing Electives

Select a total of 12 hours with the guidance of an advisor.

Code	Course Title	Credits
MKT 400	Marketing Internship	3
MKT 402	Sales Management	3
MKT 403	Retail Management	3
MKT 603	Customer Service & Relationship Management	3
MKT 607	Business-to-Business Marketing	3
MKT 602	Integrated Marketing Communications	3
MKT 608	Database Marketing	3
MKT 609	Strategic Electronic Marketing	3
MKT 611	Social Media Marketing Content and Analytics	3

Free Electives

Select a total of 8 hours from...

Code	Course Title	Credits
	Free Electives	8

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Tourism and Hospitality Management

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:		Credits
Foundation Studies		15
MATH 110 College Algebra		3
Elective/Specified General Education Courses:		
International Studies Component		6
Humanities (three electives)		9
Mathematics and Natural Sciences		
MATH 250 Elements of Statistics		3
Two Electives		6
One Laboratory		1
Social and Behavioral Sciences		
FIN 205 Theory and Practice of Personal Finance		3
ECON 202 Principles of Economics: Macro		3
One Elective		3
Upper-Division Integrative Course		3

Business Core

A total of 24 hours from...

Code	Course Title	Credits
ACCT 203	Principles of Accounting I	3
MGT 101	Introduction to Business	3
GBUS 204	Business Law	3
MGT 301	Management Principles	3
MKT 301	Marketing Principles	3
INT 250	Introduction to Web Development	3
BCOM 301	Business Communication	3
MGT 611	Human Resource Management	3

Major Core

A total of 21 hours from...

Code	Course Title	Credits
THM 620	Principles and Practices in THM	3
THM 621	Tourism and Hospitality Marketing	3
THM 622	Service Operations	3
MIS 304	Management Information Systems	3
LDRS 300	Introduction to Leadership Concepts	3
THM 625	International Hospitality: Problems…	3
THM 629	Tourism & Hospitality Internship	3

Choose one of the following Concentrations A total of 12 hours from…

Hospitality Operations

Code	Course Title	Credits
THM 623	Meetings, Conventions & Event Management	3
THM 624	Hotel and Resort Management	3
GBUS 673	Food and Beverage Management	3
GBUS 673	Casino Management	3

Event Management

Code	Course Title	Credits
THM 623	Meetings, Conventions & Event Management	3
THM	Catering and Special Events	3
THM	Facilities Management & Space Design	3
THM	Hospitality & Convention Sales	3

Health and Wellness Tourism

Code	Course Title	Credits
THM	Spa Management	3
HHP 313	Health Promotion and Wellness	3
HHP 371	Leisure Programming	3
HHP 432	Event & Facility Management	3

Minors in Applied Business Studies

Minors are 21 hours programs offered in a variety of areas and can be paired with a degree program to fine tune your future plans. Minor programs include Business Administration, Business Communication, and Marketing. Business Administration minors are not available for business majors.

Business Communication

A total of 21 hours from...

Code	Course Title	Credits
BCOM 250	Word Processing Applications	3
BCOM 300	Spreadsheet Applications	3
BCOM 301	Business Communication	3
BCOM 310	Database Applications	3
BCOM 400	Global Business Communication	3
BCOM 601	Managerial Communication	3
BCOM 690	Professional Development	3

Marketing

A total of 21 hours from….

Code	Course Title	Credits
MKT 301	Marketing Principles	3
MKT 601	Consumer Behavior	3
MKT 604	Marketing Research	3
MKT 606	International Marketing	3
MKT 609	Strategic Electronic Marketing	3
MKT 650	Marketing Strategy	3
Elective	Marketing Elective	3

Tourism & Hospitality Management

A total of 21 hours from...

Code	Course Title	Credits
THM 620	Tourism & Hospitality Management	3
THM 622	Service & Operations Management	3
THM 632	Sustainable Tourism & Events	3
THM 625	International Tourism & Hospitality	3

Select 9 hours by advisement from the following....

Code	Course Title	Credits
THM 601	Special Topics in THM	3
THM 621	Tourism and Hospitality Marketing	3
THM 623	Meetings, Conventions, & Events Management	3
THM 624	Hotel and Resort Management	3
THM 626	Food and Beverage Management	3
THM 627	Casino Management	3
THM 628	Health and Wellness Tourism	3
THM 630	Spa Facility & Destination Management	3

Certificates in Applied Business Studies

The Department of Applied Business Studies offers several 12-hour certificate programs that allow you to fine tune your degree even further. In order to complete a certificate you must fill out the intent to complete form attached to the certificate requirements and return it to McCartney 302. Upon completion of the certificate requirements, you will be issued a printed certificate.

Customer Service (12 hours)

Code	Course Title	Credits
MKT 301	Marketing Principles	3
MKT 302	Strategic Selling	3
MKT 403	Retail Management	3
MKT 603	Customer Service & Relationship Man…	3

Tourism & Hospitality Management(12 hours)

Code	Course Title	Credits
THM 620	Principles and Practices in THM	3
THM 621	Tourism and Hospitality Marketing	3
THM 622	Service and Operations Management	3
THM 623	Meetings, Conventions, Events Man…	3
THM 624	Hotel and Resort Management	3
THM 625	International Hospitality: Problems…	3

Marketing (12 hours)

Code	Course Title	Credits
MKT 301	Marketing Principles (required)	3
MKT 302	Strategic Selling	3
MKT 400	Internship	3
MKT 402	Sales Management	3
MKT 403	Retail Management	3
MKT 601	Consumer Behavior	3
MKT 604	Marketing Research	3
MKT 606	International Marketing	3
MKT 608	Database Marketing	3
MKT 609	Strategic Electronic Marketing	3
MKT 602	Integrated Marketing Communications	3
MKT 603	Customer Service	3
MKT 610	Social Media Marketing	3

Tourism and Hospitality Marketing

Required:

Code	Course Title	Credits
THM 621	Tourism and Hospitality Marketing	3
MKT 301	Marketing Principles	3
MKT 610	Social Media Marketing	3

Choose one course from the following:

THM 620	Principles and Practices in THM	3
THM 622	Service Operations Management	3
THM 623	Meetings, Conventions and Event MGT	3
THM 624	Hotel and Resort Management	3
THM 625	International Hospitality: Problems…	3
GBUS 601	Special Topics	3
GBUS 673	Problems in Business	3

Social Media Marketing (12 hours)

Code	Course Title	Credits
MKT 301	Marketing Principles (required)	3
MKT 609	Strategic Electronic Marketing	3
MKT 610	Social Media Marketing	3
MKT 611	Social Media Content and Analytics	3

Course Listing - Applied Business Studies

Business Communication

Undergraduate Credit

201 Intro to Corporate Communication (3) An introductory course in the various aspects of internal and external stakeholder communication. This course includes a study of the mechanics and basic principles of composing stakeholder messages.

210 Intro to Professional Development (3) An introductory course in the development of professional behavior and social skills. Emphasis will be on social rapport, etiquette, career planning and the use of technology to enhance one's professional image and network.

214 Computerized Transcription (3) This course emphasizes machine transcription techniques, correct style, formatting, and language arts skills; the importance of good listening habits and proofreading skills are stressed; and qualitative and quantitative standards of mailability are the ultimate objectives in the transcription course.

220 Office Automation (3) An introductory course which emphasizes the interaction of people, processes, and technologies that form office information systems within contemporary organizations. Includes an examination of critical human factors currently at the forefront of office systems planning and an identification of emerging technologies likely to influence office systems as these technologies mature. The course encompasses all forms of communication and the use of technology to support business and professional communication.

250 Word Processing Applications (3) This course emphasizes the development of text editing/word processing skills; special emphasis will be placed on the development of basic and advanced word processing functions for the efficient use of display-type word processing equipment. Sophisticated computer text editing equipment will be used.

273 Problems in Information Systems Administration I (1-3) 1] Business Communication and 2] Information Systems Administration. The student will work directed problems related to a field of business communication or information systems administration. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details.

300 Spreadsheet Applications (3) A comprehensive study of the major features of spreadsheet applications. Students will learn how to operate spreadsheet application software as used in business. Major features will cover the creation, usage, maintenance, and management of spreadsheets. Decision-making and problem-solving skills are integrated throughout the course. Requisites: PR, MIS 101 or equivalent.

301 Business Communication (3) A study of the various aspects of business communication. The course includes the application of the principles of written communication to business letters and reports, the development of listening skills, nonverbal communication skills, job search techniques, and presentational speaking techniques. Requisites: junior standing.

305 Speech Recognition & Presentation Applications (3) A comprehensive study of the major features of speech recognition and presentation applications software. Students will learn how to operate speech recognition and presentation application software that incorporates web-based components as used in business. Major features will cover the creation of interactive, web-based, on-

screen presentations. In conjunction with these skills the student will also learn basic html codes and how to publish and maintain web sites. Decision making and problem-solving skills are integrated throughout the course. Requisites: PR, BCOM 250 or equivalent.

310 Database Applications (3) A comprehensive study of the major features of database applications. Students will learn how data is organized, retrieved, and used by business. Students will develop and execute strategies for solving information management problems using database applications. Decision-making and problem-solving skills are integrated throughout the course. Requisites: PR, MIS 101 or equivalent.

314 Advanced Transcription: Legal or Medical (3) Emphasis on specialized--legal or medical--transcription, language arts, proofreading, and editing as it pertains to the business office environment. Develop superior skill in specialized transcribing from a variety of sources including machine dictation with speed, accuracy, and correct form. Emphasis will be placed on terminology used in the legal or medical field. Requisites: PR, BCOM 214, BIOL 263.

320 Information Management (3) The systematic analysis of information from its creation through processing, filing, retrieval, maintenance, security, and final disposition. Quality and cost control of information management programs are also studied.

350 Business Data Applications + (3) This course is designed to introduce students to new web-based (and often free) technologies which they may use to improve the efficiency and effectiveness of communication in business. Students will work together in virtual teams to complete some of the required course activities. Requisites: PR, BCOM 250.

374 Independent Studies in Information Systems Administration I + (1-3) 1] Business Communication and 2] Information Systems Administration. The student will conduct directed, independent work in topics not treated in depth in courses regularly offered by the department. The course will not substitute for any departmental theory course. Permission of the department chair is required before enrollment. See advisor for details.

380 Legal Office Procedures (3) The course is designed to prepare competent, resourceful legal secretaries for employment in legal offices or legal departments of large corporations. Offered fall semester only. Requisites: Co-requisite, GBUS 204.

381 Office Systems and Procedures (3) A capstone course designed to integrate skills already acquired in information processing, records management, and office procedures and problems. Emphasis is on the use of computer-based technology in the present-day office with a focus on attitudes and human relations and development of leadership skills.

390 Medical Office Procedures (3) Non-general education. Designed to prepare competent, resourceful medical office assistants for employment in medical offices and hospitals. Requisites: PR, BCOM 250, BIOL 263, or PERM.

400 Global Business Communication (3 The focus of this course is on the study of business communication in global environments. This course covers organizational strategies, and current challenges to global business communication. Emphasis will be on organizational and interpersonal communication and negotiation skills needed in an integrated world economy. Requisites: PR, BCOM 301.

Undergraduate/Graduate Credit

600 Special Topics in Information Systems Administration + (1-3) 1] Business Communication and 2] Information Systems Administration. This course is designed to accommodate a variety of special topics in Office Technology, Information Systems Administration, and Business Communication. A special project is required.

601 Managerial Communication (3) The purpose of this course is to develop management-level personnel who can effectively and efficiently use the various modes of communication as administrative tools. Coverage of the managerial aspects of business communication and the role of management in facilitating more effective internal and external business communication. A special project is required. Requisites: PR, BCOM 301.

620 Management of Word Processing Operations (3) The purpose of this course is to help students develop supervisory and managerial skills for the operation of a word processing system. Special emphasis is placed on feasibility studies, system design, implementation of a new or revised system, personnel selection, and development and cost effectiveness of a word processing system. A special project is required.

670 Workshop + (1-3) 1] Business Communication and 2] Information Systems Administration. The workshop is designed for intensive study (generally involving a limited number of class meetings) in a topic related to one of the fields of Business Communication or Information Systems Administration. A special project is required

672 Readings in Office Management Systems (1-3) 1] Business Communications and 2] Office Management Systems. Purpose of the course is to provide an opportunity for in-depth reading and study in one of the fields of Business Communications or Office Management Systems. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PR, Senior or PERM.

673 Problems in Business Communication + (1-3) The student will work directed problems related to a field of business communication. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PR, senior or graduate standing and PERM.

674 Independent Studies in Information Systems Administration II + (1-3) The student will conduct directed, independent work in topics not treated in depth in courses regularly offered by the department. The course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. A special project is required.

675 Seminar in Information Systems Administration I + (1-3) 1] Business Communication and 2] Information Systems Administration. The purpose of the seminar is to bring together a small group of students for intensive study and discussion of a selected topic(s) in one of the fields of Business Communication or Information Systems Administration. A special project is required.

676 Apprenticeship I + (1-3) 1] Business Communication and 2] Information Systems Administration. Students can apply their basic skills as an apprentice in a work setting while learning more about the duties and responsibilities of business and office personnel. Permission of the department chair is required before enrollment. See advisor for details. A special project is required.

677 Internship in Business Communication + (1-3) Students will perform meaningful, professionally related work. A job in the student's major must be obtained in advance and be approved by the advisor and the department chair prior to enrollment. Requisites: PR, senior or PERM.

682 Office Information Systems (3) This course will provide students with an in-depth background in the administrative aspects of the office structure. The office is viewed as the key component in the total information-communications system. Thus, special emphasis is placed on the management of the electronic office with its use of electronic mail, data communications, and telecommunications. A special project is required. Offered in the spring semester only. Requisites: PR, BCOM 680.

690 Professional Development (3) The focus of the course is on creating a professional development plan. Students investigate current trends in career planning and dealing with organizational change. Graduate students must complete additional assignments. Requisites: PR; BCOM 301.

692 Managerial Reports and Presentations (3) Designed to develop an in-depth knowledge of the functions of reports and presentations in contemporary business. Using real-world business situations, students will conduct business research and analyze data to prepare professional managerial reports and make presentations of these reports using presentation software. Requisites: Approved for admission in the M.B.A. program or PERM.

695 Corporate Communication (3) This course has three major themes: 1) management of communication; 2) internal communications or communicating with employees; and 3) external communications or public relations. Specific objectives are established for each of them. In this course students will participate in team projects. PR: Final semester before graduation or instructor PERM.

872 Readings in Information Systems Administration II + (1-3) 1] Business Communication and 2] Information Systems Administration. The purpose of the course is to provide an opportunity for in-depth reading and study in one of the fields of Business Communication or Information Systems Administration. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details.

873 Problems in Information Systems Administration III + (1-3) 1] Business Communication and 2] Information Systems Administration. The student will work directed problems related to a field of Business Communication or Information Systems Administration. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details.

874 Independent Studies in Information Systems Administration III + (1-3) 1] Business Communication and 2] Information Systems Administration. The student will conduct directed, independent work in topics not treated in depth in courses regularly offered by the department. The course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details.

Business Education

Undergraduate Credit

100 Keyboarding + (1) Emphasis on learning to operate the basic keyboard--alphabet and numbers--by the "touch" method. Operation of the ten-key pad (commonplace on most keyboards) is also emphasized. Pass/No Credit.

102 Computer Keyboarding (3) Emphasis on business letters, forms, tables, composition, manuscripts, and business reports with drills on speed and accuracy. Introduction to production work. Requisites: PERM.

103 Advanced Computer Keyboarding (3) A review of keyboarding principles and their application to the world of work. Provides training in machine transcription. Requisites: PR, BUED 102.

277 Early Field Experience: Business Education+ (1-3) This course has been designed to provide business education majors with observational and participatory experiences in their area of specialization. Students who are planning to become secondary business education teachers will be placed in a school situation so that they can gain real-life experiences in the occupation of teaching. Pass/No Credit.

374 Independent Studies in Business Education I +(1-3) The student will conduct directed, independent work in topics not treated in-depth in courses regularly offered. The course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PERM.

421 Electronic Media in Instruction (3) Techniques, methods, and skills essential for delivering instruction through electronic media. Requisites: PERM.

422 Teaching Accounting and Information Systems (3) Techniques, methods, and strategies for teaching management information systems courses on the secondary level (6-12). Curriculum design and program development are essential components of the course. Admission to Teacher Education required.

423 Curriculum and Instruction in Business (3) An introduction to teaching methods and course content used in teaching the

business, marketing, and accounting subjects on the secondary level (6-12). Requisites: admission to Teacher Education required.

Business Education

Undergraduate/Graduate Credit

600 Special Topics in Business Education+ (1-3) This course is designed to accommodate a variety of special topics in business education. A special project is required.

611 Principles and Philosophy of Career and Technical Education (3) To acquaint the prospective teacher-coordinator with the background and appreciation of vocational education in the educational process. A special project is required.

612 Methods of Individual Training and Job Analysis (3) Individual instruction of techniques used in distributive and office education programs, application of job analysis, construction of job sheets, and use of progress charts. A special project is required.

613 Organization and Administration of Career and Technical Education (3) To acquaint the prospective teacher-coordinator with the needs of the administrator and coordinator for the establishment and administration of publicly aided programs in distributive and office education areas. A special project is required.

614 Coordination of Career and Technical Education Programs (2) To acquaint the prospective teacher-coordinator with the federal, state, and local regulations of the coordinator in the community, public relations, advisory committee, personnel relations, guidance, selection, and follow-up. A special project is required.

615 Selection and Organization of Subject Matter in Career and Technical Education (2) Analysis, organization, and gathering of materials for units of instruction for the distributive and office education programs. A special project is required.

670 Workshop in Business Education + (1-3) The workshop is designed for intensive study (generally involving a limited number of class meetings) in a topic related to business education. A special project is required.

672 Readings in Business Education I + (1-3) Purpose of the course is to provide an opportunity for in-depth reading and study in business education. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. A special project is required. Requisites: PR, senior or graduate standing and PERM.

673 Problems in Business Education I + (1-3) The student will work directed problems related to business education. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. A special project is required. Requisites: PR, senior or graduate standing and PERM.

674 Independent Studies in Business Education II + (1-3) The student will conduct directed, independent work in topics not treated in-depth in courses regularly offered by department. The course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. A special project is required. Requisites: PR, senior or graduate standing and PERM.

675 Seminar in Business Education I + (1-3) The purpose of the seminar is to bring together a small group of students for intensive study and discussion of a selected topic(s) in business education. A special project is required.

676 Apprenticeship in Business Education I + (1-3) Students can apply their basic skills as an apprentice in a work setting while learning more about the duties and responsibilities of business and office personnel. Permission of department chair is required before enrollment. See advisor for details. A special project is required. Requisites: PR, senior or graduate standing and PERM.

677 Internship in Business Education I + (1-6) The student will perform meaningful, professionally related work. A job in the student's major must be obtained in advance and be approved by the advisor and the department chair prior to enrollment. See advisor for details. A special project is required. Requisites: PR, senior or graduate standing and PERM.

Graduate Credit

820 Principles, Problems, and Trends in Business Education (3) Survey of principles, practices, and problems of business education with emphasis on secondary schools and community colleges. Requisites: PERM.

821 Teaching Office Information Systems (3) Techniques, methods, and skills essential for teaching courses in data processing. Special emphasis is placed on the use of microcomputers, terminals, and software in the teaching process. BASIC is emphasized. Requisites: PERM.

822 Teaching the Business Skills (3) Emphasis is on improved methods of instruction in the teaching of typewriting, shorthand, transcription, and office procedures. Research studies will also be reviewed. Primarily for experienced teachers. Requisites: PERM.

823 Teaching Basic Business Subjects and Accounting (3) The organization and presentation of materials in general business, consumer education, business law, economics, and accounting. Research studies will also be reviewed. Primarily for experienced teachers. Requisites: PERM.

824 Business Education Curriculum (3) Analysis of business education in secondary schools and community colleges. Includes principles and procedures of curriculum planning and the influence of research and changes in educational theory upon the business curriculum. Requisites: PERM.

872 Readings in Business Education II + (1-3) Purpose of the course is to provide an opportunity for in-depth reading and study in one of the fields of business education. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for de-

tails. Requisites: PERM.

873 Problems in Business Education II + (1-3) The student will work directed problems related to the field of business education. This course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PERM.

874 Independent Studies in Business Education III + (1-3) The student will conduct directed, independent work in topics not treated in-depth in courses regularly offered by the department. The course will not substitute for any departmental theory course. Permission of department chair is required before enrollment. See advisor for details. Requisites: PERM.

875 Seminar in Business Education II + (1-3) The purpose of the seminar is to bring together a small group of students for intensive study and discussion of selected topic(s) in business education.

876 Apprenticeship in Business Education II + (1-3) Students can apply their basic skills as an apprentice in a work setting while learning more about the duties and responsibilities of office personnel. Permission of department chair is required before enrollment. See advisor for details. Requisites: graduate standing.

877 Internship in Business Education II+ (1-6) The students will perform meaningful, professionally-related work. A job in the student's major must be obtained in advance and be approved by the advisor and the department chair prior to enrollment. See advisor for details. Requisites: graduate standing.

Marketing

Undergraduate Credit

301 Marketing Principles (3) A study of the principles and practices of the marketing function. Includes a study of both consumer and industrial products, the channels through which they are distributed, the promotion and pricing procedures followed by modern business. Requisites: Junior standing.

302 Strategic Selling (3) Principles and practices of selling, sales communications, strategic planning, implementing, and controlling for successful selling. Requisites: MKT 301 and Junior standing or PERM.

400 Marketing Internship (1-3) This course allows students to gain real-world marketing experience in the workplace. Students integrate their academic experiences with professional knowledge and skills gained through practical work experience. Students gain a meaningful work experience that addresses their needs and that of host organizations. Permission of a student's advisor and the Department Chair is required before enrollment. This course may be taken for one, two, or three credit hours.

401 Marketing Channels (3) A study of the various channels of product distribution, direct-to-consumer use, the wholesaler, warehousing, and company-owned distribution facilities will be covered in detail. Distribution cost studies and market characteristics are analyzed. Requisites: MKT 301 and Junior standing or PERM.

402 Sales Management (3) The responsibilities and relationships of sales management with respect to company operations and the sales force. The establishment of sales quotas and budgets; salesman's compensation and motivation. Requisites: MKT 301 and Junior standing or PERM.

403 Retail Management (3) A basic survey of retailing principles and practices; covers both small store and large business retail operations. Requisites: MKT 301 and Junior standing or PERM.

Undergraduate/Graduate Credit

601 Consumer Behavior (3) Application to the marketing process of the fundamental processes of motivation, perception, learning, individual predispositions, group influences, consumer decision processes, and aggregate consumer behavior. Requisites: MKT 301 and Junior standing or PERM.

602 Integrated Marketing Communications (3) The theory of mass selling (advertising and publicity), sales promotion, and personal selling. Analyzing the market to determine the most effective promotion mix. Requisites: MKT 301 and Junior standing or PERM.

603 Customer Service and Relationship Management (3) Principles and practices of service marketing. Includes planning and strategy, media approaches, costs/profits, distribution, market segmentation, service quality, and customer satisfaction. Requisites: MKT 301 and Junior standing or PERM.

604 Marketing Research (3) Designed to acquaint the student with typical marketing problems and the methods of solving them; data sources and collection are featured along with market analysis and determination. Requisites: MKT 301, MATH 250, Junior standing or PERM.

606 International Marketing (3) A managerial approach to international marketing with emphasis on comparative systems and the key variables controllable by the international marketing executive. Underlying factors of international market environments; the forces which cause people to accept or reject new products. Attention is given to demand, product, policies, market channels, pricing, and the development and control of marketing programs. International marketing from the perspective of the headquarters and the field executive with special emphasis on multinational marketing programs. Requisites: MKT 301 and Junior standing or PERM.

607 Business-to-Business Marketing (3) The focus of the course is business-to-business marketing with emphasis on the exchange process between producers and organizational customers. The flow of goods and services that produce or become part of other goods and services or facilitate the operation of an enterprise will be examined. Requisites: MKT 301 and Junior standing or PERM.

608 Database Marketing (3) This course examines the theory and practice of database marketing and how it contributes to building long-term relationships with customers. The focus is on the strategy and analysis of the database for marketing purposes. Database marketing involves collecting data on individual-level

purchase behavior, analyzing the data and then utilizing the results to maximize sales to current and prospective customers while minimizing costs. The course is an integration of the theoretical components with the practical, hands-on components. Students will explore the theories and then apply them using regression response models and analyzing relational databases. Requisites: MKT 301 and Junior standing or PERM.

609 Strategic Electronic Marketing (3) This course explores the basic principles that underlie marketing and how e-business marketing techniques will fundamentally change the traditional marketing process. This course prepares students for careers in a rapidly changing environment of nonlinear, on-line, interactive advertising; new product development and distribution processes; and reliance on databases. Students will learn how to use Internet technologies necessary for executing marketing strategy. Requisites: MKT 301 and Junior standing or PERM.

610 Social Media Marketing (3) This course focuses on current strategies and tactics used to effectively and efficiently deploy social media tools within the marketing function. It is designed to provide students with hands-on experience with emphasis placed on a strategic approach to social media marketing. Conceptual foundations and practical techniques necessary for creating a comprehensive and effective social media marketing plan are incorporated. Requisites: PR; MKT 301, Junior Standing or PERM.

611 Social Media Marketing Content and Analytics (3) The intent of this course is to examine how marketers use both verbal and visual content to convey the value, build brands, and connect with customers, as well as track the appropriate social media marketing metrics to better understand how and when to share information, as well as what type of content drives the most traffic to a website. PR, MKT 301, MKT 610, Junior Standing or PERM.

650 Marketing Strategy (3) Capstone course for undergraduate marketing majors only, to be taken the semester immediately proceeding graduation. The course understanding and application of executive marketing decisions involving capital and expense budgets, personnel problems, corporate policies, and pricing policies.

673 Topics in Marketing (1-3) Course is designed to provide academic credit for a number of different areas in the Marketing program. The student will study one particular topic in depth.

677 Independent Study in Marketing (1-3) Students may complete readings, investigate problems, or complete research projects in the area of marketing. Topics are chosen in consultation with a faculty advisor.

Tourism and Hospitality Management

Undergraduate / Graduate Credit

601 Special Topics in THM (1-3) Course is designed to provide academic credit for a number of different areas in the tourism and hospitality management industry. The student will study one particular topic in depth.

620 Tourism and Hospitality Management (3) Study of the evolution of the hospitality industry and how it is currently stratified. Organizational systems and career opportunities in tourism and hospitality management will be examined. Hospitality service management is viewed from both a consumer and business perspective.

621 Tourism and Hospitality Marketing (3) This course will introduce basic concepts and skills in tourism marketing and will address differences between tourism and other industries. Students will learn how marketing managers can position their products or destinations to capture customers.

622 Service and Operations Management (3) This course will explore the integration among operations, strategy, marketing, technology, and organizational issues in a service business. Theory, methods and techniques of service operations management will be examined.

623 Meetings, Conventions and Events Management (3) This course examines the industry of special events and the role the meeting and event professional plays in it. We will explore this very detail-oriented field as it deals with venders, contracts, fundraising, budgeting and ethics and social responsibility.

624 Hotel and Resort Management (3) Introduction of hotel and resort management practices. This course will examine the topics of employee selection, room sales forecasting, labor production, employee staffing, employee scheduling, and departmental budgeting.

625 International Hospitality: Problems and Planning (3) This course explores global tourism regions and destinations. Tourist destinations and the unique problems facing tourism development in first- and third-world contexts throughout the world will be examined. This includes a discussion of tourism policy issues, examination of the role of the tourist, the tourism manager, and the host community.

626 Food and Beverage Management (3) This course is designed to improve your overall understanding of the foodservice industry and the management of food and beverage operations. Students will be exposed to the breadth and depth of the foodservice industry through the exploration of topics such as current issues and trends affecting the industry, food safety, safe environments for workers and consumers, menu planning, conceptual design and site selection, purchasing, receiving, storing, and inventory, and food and beverage production and service. The objective of this course is therefore to provide the necessary food and beverage resources, knowledge, and management skills essential for success in today's food service industry.

627 Casino Management (3) This class will explore the knowledge and skills needed to understand operations, strategy, marketing, technology, and organizational issues in a casino business. The culture, strategic planning, methods and techniques of casino management, as well as, the regulatory and legal environment will be examined.

628 Health and Wellness Tourism (3) This course provides students with a comprehensive overview of the growing health and wellness tourism sectors. Along with conceptual models and defining characteristics, the course covers the history and development of each sector as well as wellness tourism sub-sectors, taking

into account associated regional and indigenous influences. An overview of contemporary socio-economic considerations, regional demand and the management and marketing of wellness tourism sub-sectors are further considered. Through analysis of case studies and journal articles, students will also identify regional variations in wellness tourism destination development and services and amenities offered. Finally, students will analyze and report on a wellness destination in the US.

629 Tourism Hospitality Industry Internship (3) This is a capstone course that provides a platform for students to gain the knowledge and skills necessary for entry-level management positions in the hospitality industry while working in a "real life" setting. Students are expected to apply the knowledge and skills acquired from their various classes in an appropriate hospitality establishment approved by the instructor.

630 Spa Facility & Destination Management (3) This two-part course is an introduction into the management of wellness destinations overall and spa facilities in particular. The first half of the course considers contemporary and international trends in wellness tourism destination development as well regional variations in core competencies. Issues around sustainable development and destination competitiveness are also considered. The second half of the course focuses on the spa industry, the largest and most lucrative under the wellness tourism umbrella. Topics touched-upon under spa facility management include the planning, design, marketing and financial management of spas. Operations management, legal issues, service offerings, industry benchmarking and evaluation of spa facilities are also considered. PR: THM 628.

631 Medical Tourism (3) This course prepares students to enter into the medical tourism field. It covers the fundamentals of a medical tourism business plan including market research, product applications, bundle pricing, and patient referrals. Best practices in areas such as case management, risk management and collaboration with healthcare networks and travel supply chains are further considered. In addition, important ancillary functions of a medical tourism facilitator such as cultural and language competencies and managing travel logistics are taken into account. The course also covers the industry as a whole analyzing stakeholders, historical precursors and the contemporary evolution of the health tourism field. These include socio-economic factors such as patient-centered drivers of growth, the role of the internet, and developments within the travel industry. Also taken into account are public policies, healthcare and insurance regulations, and governments' role in shaping and facilitating medical tourism internationally. Finally, global competition and future growth potential are considered. An understanding of the scope and complexity of this field are facilitated through the analysis of contemporary medical tourism case studies. PR: THM 628.

632 Sustainable Tourism and Events (3) This course provides a broad overview of sustainability within the hospitality, tourism, and event industries. The course offers a brief introduction to sustainability: what the term implies and how its interpretation and significance for these service industries has evolved over time. Government and policy implications for sustainable management in events and tourism are also discussed. For the hospitality industry, the rationale for adopting sustainable initiatives as well as managerial implications with respect to implementing them are considered in more detail. For the events industry, environmental, economic, and socio-cultural impacts along with practical considerations for designing and delivering sustainable events are highlighted. Tourism with regard to land-use and conservation is touched upon along with sociocultural and economic impacts. Finally, the course offers contemporary critiques of alternative tourism and ongoing sustainability issues as well as efforts to address these on a global scale.

673 Topics in THM + (3) Course is designed to provide academic credit for a number of different areas in the THM program. The student will study one particular topic in depth.

*General Education Course
+Course may be repeated
#Lab required
PERM: Permission
PR: Prerequisite

College of Education

DEPARTMENTS

Advanced Education Programs

DEPARTMENT LEADERSHIP

Paul Adams	Dean
Kenny Rigler	Assistant Dean
Sherry Crow	AEP, Chair
Chris Jochum	Teacher Education, Chair

EDUCATION RESOURCES

Science and Math Education Institute

Teacher Certification and Licensure

Instructional Resource Center (IRC)

Kansas Center for Innovative Education

For updated information, see our website at **www.fhsu.edu/coe/**

Introduction

If you think nothing could be more rewarding than teaching young people the knowledge and skills they need to become productive members of society, look no further.

Education and technology go hand-in-hand at Fort Hays State University. Through the College of Education, students become leaders in classrooms, schools, communities, and industries.

Working with local, state, regional, and national agencies, the College of Education prepares students for fulfilling careers as educators with the tools to teach effectively. Preparation is based on technical skills, knowledge acquired through liberal arts and sciences, professional education courses, and clinical experiences. Through these experiences, teachers and other school personnel are prepared to ensure excellence in teaching while actively investing in their own professional development.

Mission Statement

The mission of the College of Education is "Education professionals prepared at Fort Hays State University will have the technological, pedagogical and content knowledge, skills and dispositions to lead, model, teach and collaborate in diverse settings."

Vision Statement

The vision of the education unit at Fort Hays State University is: "to prepare professionals for schools, business, and industry in a global society."

Department of Advanced Education Programs

Find Innovative Programs, Designed for the Working Professional

Designed with your needs for flexibility, convenience, and educational quality in mind, the Department of Advanced Education Programs (AEP) prepare you with innovative solutions to meet the challenges in your chosen field of study. Although you can participate in class from anywhere around the world, you will quickly become a part of a community of learners.

Department of Advanced Education Programs Faculty & Staff

Chair: Dr. Sherry Crow

Professors: Dr. Sherry Crow, Dr. Robert Moody

Associate Professors: Dr. Gary Andersen, Dr. Suzanne Becking, Dr. Yaprak Dalat Ward, Dr. Reade Dowda, Dr. Elodie Jones, Dr. Brooke Moore, Dr. Kenton Olliff, Dr. Kevin Splichal

Assistant Professors: Dr. Jerrie Brooks, Dr. Kim Chappell, Dr. Sarah Lancaster, Dr. Phillip Olt, Dr. Brian Weber

Instructors: Dr. Jessica Holden, Jeongwoon Jeong, Dr. Mindy Salmans, Carrie Tholstrup, Sohyun Yang

Department Staff: Amanda Frank, *Academic Advisor;* Kristin Hernandez, *Academic Advisor;* Dottie Staab, *Academic Program Specialist*

See department page online for full listing

Education Specialist Degrees

- Education Specialist: Advanced Professional Studies
- Education Specialist: APS (Business Education and Workforce Leadership)
- Education Specialist: APS (Education Administration)
- Education Specialist: APS (Digital Leadership)
- Education Specialist: APS (Education Innovation and Leadership)
- Education Specialist : APS (Leadership in Reading)

Graduate Degrees

- Master of Science: Counseling (Clinical Mental Health)
- Master of Science: Counseling (College Counseling/ Student Affairs)
- Master of Science: Counseling (School)
- Master of Science: Education Administration
- Master of Science: Instructional Technology
- Master of Science: Special Education (High Incidence)
- Master of Science: Special Education (Gifted)
- Master of Science in Education: Education
- Master of Science in Education: (Elementary Education)
- Master of Science in Education: (Chemistry)
- Master of Science in Education: (Business)
- Master of Science in Education: (ESOL)
- Master of Science in Education: (HESA)
- Master of Science in Education: (JROTC Instructor Prep)
- Master of Science in Education: (Library Media Specialist)
- Master of Science in Education: (Reading Specialist)
- Master of Science in Education: Secondary Education
- Master of Science in Education: (Transition to Teaching)

Certificates

- Data Literacy for District Administrators Certificate
- Driver Education Certificate

Education Specialist: Advanced Professional Studies

The Education Specialist in Advanced Professional Studies degree and concentrations are advanced graduate degrees designed to provide the graduate student a definite and integrated professional program of study beyond the master's degree in Educational Administration. The degree requires advanced study between the master's degree and the doctorate degree both in time and depth with objectives identifiable and distinct from each of these. The program planning and the supervision of the research project (field study) is the responsibility of the designated advisor with the counsel of the student's graduate committee.

This degree program offers opportunity for specialization to individuals preparing for positions that demand a higher level of study than the master's degree. It provides advanced preparation and additional training required of district leadership, central administrative staff, and related administrative personnel. It enables the student on the basis of past experience and growth in a professional area to extend, reinforce, and reorganize knowledge, techniques, and skills. School leaders must demonstrate competency in the following standards as developed by the **Interstate School Leaders Licensure Consortium (ISLLC)**:

STANDARD 1: A school administrator is an educational leader who promotes the success of all students by **facilitating the development, articulation, implementation, and stewardship of a vision of learning that is shared and supported by the school community**.

STANDARD 2: A school administrator is an educational leader who promotes the success of all students by **advocating, nurturing, and sustaining a school culture and instructional program conducive to student learning and staff professional growth**.

STANDARD 3: A school administrator is an educational leader who promotes the success of all students by **ensuring management of the organization, operations, and resources for a safe, efficient, and effective learning environment**.

STANDARD 4: A school administrator is an educational leader who promotes the success of all students by **collaborating with families and community members, responding to diverse community interests and needs, and mobilizing community resources**.

STANDARD 5: A school administrator is an educational leader who promotes the success of all students by **acting with integrity, fairness, and in an ethical manner**.

STANDARD 6: A school administrator is an educational leader who promotes the success of all students by **understanding, responding to, and influencing the larger political, social, economic, legal, and cultural context**.

Admission to the Specialist in Education Degree Program

Each applicant for the specialist in education degree must apply to the Graduate School. The applicant must comply with the regulations of the Department of Educational Administration and Counseling. The regulations include that the applicant: (1) holds a master's degree from an accredited institution with a minimum GPA of 3.25 for the first 30 hours of graduate coursework leading to building leadership – GPA of 3.75 or above = 200 points, 3.50–3.74 = 150 points, 3.25–3.49 = 100 points; (2) submits a score of 385 or above on the Miller Analogies Test (MAT) – MAT Score of 405 or above = 500 points, 399–404 = 450 points, 392–398 = 400 points, 385–391 =350 points, or an average of 446 or above on the three parts of the Graduate Record Exam (GRE) – GRE Score of 564 or above = 500 points, 532–563 = 450 points; 491–531 = 400 points, 446–490 = 350 points, and **the score must be on file before action will be taken on the application;** (3) submits official transcripts of all college work completed and indication of a degree conferral; (4) submits at least three letters of recommendation from supervisors and/or professional peers of which at least one must be from a supervisor that attests to the applicant's potential as an administrator; (5) submits evidence of building leadership endorsement for a role in the public/private schools and at least three years of accredited experience -- 3 years of experience = 100 points, 4 years of experience = 200 points, 5 years of experience = 300 points; (6) submits a resume or vita of education and professional experiences; (7) submits a brief statement of professional goals related to completion of the specialist degree and/or district leadership endorsement; and (8) scores a total of 700 points or above on items #1, #2, and #5.

Once the application is complete in the Graduate School, the file is sent to the Department of Advanced Education Programs for review. At the department level, the Specialist Degree Committee in the area of Educational Administration reviews the applicant and the applicant's file; action of the Committee will be forwarded to the Dean of the Graduate School with a recommendation of approval or denial.

Master of Science in Education: Secondary Education

Secondary Education Core

A total of 18 credits from...

Code	Course Title	Hours
TEEL 866	Instructional Models and Teaching Strategies: Secondary Pedagogy	2
TEEL 878	Field Experience III	1
TEEL 860	Advanced Classroom Management	3
TEEL 858	Advanced Educational Foundation & Psychology	3
TEEL 859	Advanced Diverse & Exceptional Learners	3
TEEL 876	Apprenticeship in Education II	3
600/800	Secondary Content Methods	3

Secondary Education Certification Courses

A total of 27 credits from...

Code	Course Title	Hours
TEEL 866	Instructional Models and Teaching Strategies: Secondary Pedagogy	2
TEEL 878	Field Experience III	1
TEEL 860	Advanced Classroom Management	3
TEEL 858	Advanced Educational Foundation & Psychology	3
TEEL 859	Advanced Diverse & Exceptional Learners	3
AEP 800	Innovative Technology Integration	3
AEP 880	Cultural Diversity	3
AEP 867	Instructional Design and Assessment	3
TEEL 876	Apprenticeship in Education II	3

Master of Science in Education: Transition to Teaching

Transition to Teaching Core

A total of 36 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 859	Curriculum Planning & Evaluation	3
ALTC 800	Induction to Teaching	2
ALTC 801	An Introduction to Teaching	3
ALTC 802	Planning for Instruction	3
ALTC 803	Understanding the Foundations of Ed.	2
ALTC 804	Understanding the Learner	3
ALTC 805	Working with Diverse & Exceptional …	3
ALTC 806	Improving Instruction through Reading…	2
ALTC 807	Becoming a Reflective Teacher	2
ALTC 808	Supervised Practicum	4

The Master of Science with a concentration in Transition to Teaching is available to all FHSU graduate Transition to Teaching program participants. T2T is an alternative licensure program with specific admission criteria available at http://www.fhsu.edu/cert/t2t/.

The T2T program is designed to fill secondary teaching vacancies in school districts through an alternate route to teacher licensure. It includes the recruitment and training of mid-career professionals seeking a career change to enter the teaching profession. The T2T program uses the restricted license and has developed an online professional education curriculum meeting all of the Kansas Professional Education Standards.

Content Areas for Teaching

The following are the teaching content areas in FHSU's Transition to Teaching Program: Agriculture, Art (PreK-12), Biology, Business, Chemistry, Earth and Space Science, English, Family and Consumer Sciences, German (Prek-12), History, Journalism, middle level English (5-8), middle level History comprehensive (5-8), middle level Math (5-8), middle level Science (5-8), Mathematics, Music, Physical Education (PreK-12), Physics, Psychology, Spanish (PreK-12) and Technology Studies.

Master of Science in Education: Teaching English as a Foreign Language (TEFL)

JROTC Instructor Prep Core

A total of 30 credits from...

Code	Course Title	Hours
AEP 803	Education Research	3
AEP 859	Curriculum Planning and Evaluation	3
MLNG 830	Second Language Teaching and Learning	3
AEP 800	Utilization of Technology in the Classroom	3
AEP 839	Research Design	3
AEP 858	Data Analysis and Assessment	3
MLNG 832	Language Arts for the Classroom	3
AEP 899	Thesis	6

Choose one of the following courses:

Code	Course Title	Hours
MLNG 840	Linguistics for Language Educators	3
EDL 850	School Law	3

Data Literacy for District Administrators Certificate

Data Literacy for District Administration Core

A total of 9 credits from...

Code	Course Title	Hours
EDL 910	Data Management for District Leaders	3
EDL 911	Quantitative & Qualitative Analysis of District Data	3
EDL 912	Data Driven Decisions	3

Driver Education Certificate

Driver Education Core

A total of 9 credits from...

Code	Course Title	Hours
AEP 805	Driver Education: Driving Safety	3
AEP 806	Driver Education: Instructional Methods	3
AEP 807	Driver Education: Program Practicum	3

Education Specialist: APS (Business Education and Workforce Leadership)

Core Curriculum
A total of 30 credits from...

Code	Course Title	Hours
AEP 880	Cultural Diversity	3
AEP 932	Research Designs and Analysis	3
AEP 973	Problems in Education III	6
AEP 979	Advanced Practicum: Superintendent	3
AEP 999	Field Study	3
EDL 853	Special Education for School Leaders	3
EDL 951	Advanced Educational Administration	3
EDL 952	Trends & Practices in Ed. Administration	3
EDL 955	The School Plant	3

Education Specialist: APS (Education Administration)

Core Curriculum
A total of 30 credits from...

Code	Course Title	Hours
APS 921	The Scholar Practitioner	3
APS 933	Foundations of Research	3
APS 997	Capstone **OR**	6
APS 998	Proposal	6
EDL 951	District Administration	3
EDL 952	District Trends and Practices	3
EDL 954	District Finance	3
EDL 955	District Facilities	3
EDL 979	Practicum in District Leadership	3
EDL 901	District Technology Operations and Management	

Education Specialist: APS (Digital Leadership)

Core Curriculum
A total of 18 credits from...

Code	Course Title	Hours
APS 924	The Scholarly Mind	1
APS 925	Scholar Skills for the Practitioner	1
APS 926	The Strategic Thinker	1
APS 927	Strategic Planning	1
APS 963	Policy, Law, and Digital Education	1
APS 941	Designing Professional Learning	1
APS 933	Foundations of Research	3
APS 997	Capstone **OR**	6
APS 998	Proposal	6
DGLS 979	Practicum in Digital Leadership	3

Digital Leadership Concentration
A total of 12 credits from...

Code	Course Title	Hours
DGLS 924	Digital Citizen	1
DGLS 930	Message Design for the Digital Leader	1
DGLS 931	Culture Shaping	1
DGLS 942	Culture Shifting	1
DGLS 943	Driver of Innovation: The Learner	1
DGLS 944	The Driver of Innovation: The Leader	1
DGLS 956	Innovative Strategy and Change Management	1
DGLS 957	Digital Innovation & Strategy: Coolhunting	1
DGLS 967	Leadership in Digital Data	1
DGLS 968	Closing the Loop	1
INF 851	Trends/Issues in Cybersecurity	1
INF 850	Advanced Topics in Human-Computer Interaction	1

Education Specialist: APS (Education Innovation and Leadership)

Leadership Core

A total of 30 credits from...

Code	Course Title	Hours
APS 921	The Scholar Practitioner	3
APS 922	Strategic Leadership	3
APS 933	Foundations of Research	3
APS 945	Analysis & Assessment of Education Programs	3
APS 946	Leadership in Professional Learning	3
APS 947	Curriculum Innovation & Leadership	3
APS 960	Education Policy	3
APS 979	Practicum in Education Leadership	3
APS 997	Capstone **OR**	3
APS 998	Proposal	3

The EdS in Education Leadership is a program designed specifically for individuals employed in an education role but outside the PreK-12 environment. Administrators, faculty and other higher education employees as well as private enterprise educators will benefit from this program. Fort Hays State University has a Memorandum of Understanding with Lamar University in Beaumont, Texas, whereby all 30 hours of the EdS degree from FHSU will transfer to Lamar toward their 60 hour EdD program. Both the Eds program at FHSU and the EdD program at Lamar are offered

Application Process for Education Program

You must submit the following documents with your application:

1. Two letters of reference from supervisors and/or professional peers who are familiar with your work and can assess your potential ability and skills to pursue and EdS and possibly an EdD.
2. A resume or curriculum vita of education and professional experiences.
3. A brief statement of professional goals related to the completion of Education Specialist Degree including how achievement of the Education Specialist helps you achieve your goals.
4. Official transcripts for all college work completed, documenting conferral of a graduate degree.

A committee will review your file and forward a recommendation of approval or denial to the Dean of the Graduate School. Upon acceptance into the program, the committee chair in your area of specialization will appoint an advisor and designate a graduate committee responsible for developing your program of study. Applicants who do not enroll within one academic year after admission may be required to reapply for admission.

Education Specialist: APS (Leadership in Reading)

EDS Core

A total of 18 credits from...

Code	Course Title	Hours
APS 921	The Scholar Practitioner	3
APS 922	Strategic Leadership	3
APS 933	Foundations of Research	3
APS 979	Practicum in Reading Leadership	3
APS 997	Capstone **OR**	6
APS 998	Proposal	6

Leadership in Reading Concentration

A total of 15 credits from...

Code	Course Title	Hours
READ 861	Advanced Literature for Children & Young Adults	3
READ 881	Content Area Reading	3
READ 882	Trends in Language Arts	3
READ 883	Clinical Reading Diagnosis and Remediation	3
READ 884	Literacy Development	3

Total Degree Credits

A total of 30 credits from...

	Leadership in Reading	30

Master of Science: Counseling (Clinical Mental Health)

Clinical Mental Health Counseling Core

A total of 45 credits from...

Code	Course Title	Hours
AEP 803	Educational Research	3
COUN 827	Counseling Skills Development	3
COUN 829	Lifespan Human Development	3
COUN 831	Foundations of Counseling	3
COUN 832	Lifestyle and Career Development	3
COUN 834	Appraisal in Counseling	3
COUN 835	Theories in Counseling	3
COUN 838	Group Counseling: Theories & Procedures	3
COUN 840	Social and Cultural Foundations	3
COUN 847	Professional & Ethical Issues in Counseling	3
COUN 848	Psychopathology and Diagnosis	3
COUN 849	Management of Agency-Community Counseling Practice	3
AEP 879	Practicum in Education: Counseling	3
COUN 889	Internship in Counseling	6

Requirements for Completion of the Master of Science in Counseling Degree

(1) An approved program of 48 graduate hours must be completed beyond the bachelor's degree. (2) An application for Admission to Candidacy must be filed with the Graduate School upon successful completion of at least nine hours of graduate study with the approval of the major advisor. (3) Students who plan to graduate at the end of a given semester or summer term must file an "Intent to Graduate" with the Graduate School at the time of enrollment or before the posted deadline for filing--students must be admitted to candidacy before being eligible to file an "Intent to Graduate." (4) Students must successfully complete coursework and comprehensive examinations. (5) All graduate courses in an approved program for the Master of Science degree with a major in Counseling must be completed within six years.

Master of Science: Counseling (College Counseling/Student Af-

College Counseling/Student Affairs Core

A total of 60 credits from...

Code	Course Title	Hours
COUN 803	Research and Program Eval. in Counseling	3
COUN 827	Counseling Skills Development	3
COUN 829	Lifespan Human Development	3
COUN 831	Foundations of Counseling	3
COUN 832	Lifestyle and Career Development	3
COUN 834	Appraisal in Counseling	3
COUN 835	Theories in Counseling	3
COUN 837	Student Dev., and College Counseling	3
COUN 838	Group Counseling: Theories & Procedures	3
COUN 840	Social and Cultural Foundations	3
COUN 842	Administration of College Counseling & Student Affairs	3
COUN 847	Professional & Ethical Issues in Counseling	3
COUN 848	Psychopathology and Diagnosis	3
COUN 851	Marriage and Family Counseling	3
COUN 852	Addictions Counseling	3
COUN 853	Childhood and Adolescent Counseling	3
COUN 854	Advanced Counseling Skills Development	3
COUN 877	Practicum: Clinical Mental Health Counseling	3
COUN 889	Counseling Internship	3

Master of Science: Counseling (School)

School Counselor Endorsement

The completion of this degree as outlined shall afford eligibility for endorsement in school counseling when supported by: (1) a minimum 3.25 cumulative GPA in graduate coursework, (2) a currently valid professional teaching license which includes successful completion in a state-accredited school of the teaching performance assessment prescribed by the State Board, and (3) passing score on Subject Area Assessment test.

Alternative Licensure for School Counselors

An alternative path to licensure as a School Counselor is the restricted school specialist license. This allows a licensed counselor with experience to begin serving as a school counselor under a restricted license while completing the professional education standards courses. These are 21-27 hours of graduate coursework. Requirements to qualify for this program are: completion of a graduate degree in counseling; three years of full time professional counseling experience: 3.25 cumulative GPA in graduate coursework and offer of employment as a school counselor.

School Counseling Core

A total of 54 credits from...

Code	Course Title	Hours
COUN 803	Educational Research	3
COUN 827	Counseling Skills Development	3
COUN 829	Lifespan Human Development	3
COUN 831	Foundations of Counseling	3
COUN 832	Lifestyle and Career Development	3
COUN 834	Appraisal in Counseling	3
COUN 835	Theories in Counseling	3
COUN 836	Management of Counseling Program	3
COUN 838	Group Counseling: Theories & Procedures	3
COUN 840	Social and Cultural Foundations	3
COUN 844	Professional Counseling in Elementary…	3
COUN 847	Professional & Ethical Issues in Counseling	3
COUN 848	Psychopathology and Diagnosis	3
COUN 853	Childhood and Adolescent Counseling	3
COUN 854	Advanced Counseling Skills Development	3
AEP 879	Practicum in Education: Counseling	3
COUN 889	Internship in Counseling	6

Master of Science: Education Administration

Education Administration Core

A total of 36 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
EDL 850	School Law	3
EDL 851	Supervision & Evaluation of Personnel	3
EDL 852	Introduction to School Administration	3
EDL 853	Special Education for School Leaders	3
EDL 854	Educational Finance	3
AEP 855	Educational Leadership	3
EDL 856	School and Community Relations	3
AEP 858	Data Analysis and Assessment	3
AEP 859	Curriculum Planning and Evaluation	3
AEP 880	Cultural Diversity	3

Master of Science: Special Education (Gifted)

Gifted Core

A total of 36 credits from...

Code	Course Title	Hours
AEP 800	Innovative Technology Integration	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 867	Instructional Design/Assessment	3
AEP 880	Cultural Diversity	3
SPED 851	Theories/Models in Gifted Education	3
SPED 852	Educational Strategies in SE: Gifted	3
SPED 853	Curriculum/Instruction for Gifted Educ.	3
SPED 855	Identification/Assessment for Gifted Educ.	3
SPED 859	Practicum/Collaboration in Gifted SE	3
	Electives	6

Master of Science: Instructional Technology

Instructional Technology Core

A total of 36 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3
EDL 850	School of Law	3
MIT 805	Instructional Theory and Practice	3
MIT 806	Developing Web-based Instruction	3
MIT 812	Multimedia Applications	3
MIT 822	Hypermedia / Hypertext Applications	3
MIT 885	Technology Practicum	3
Choose 3 credits from the following electives…		
MIT 813	Instructional Message Design	3
MIT 814	Google in Education	3
AEP 866	Fostering Engagement in Today's Learners	3

Master of Science: Special Education (High Incidence)

High Incidence Core
A total of 30 credits from...

Code	Course Title	Hours
AEP 803	Educational Research	3
SPED 801	Legal / Professional Issues in Special Ed	3
SPED 802	Theories of Exceptionalities and Diversity	3
SPED 804	Behavior Management	3
SPED 805	Assessment and Lab in Special Education	3
SPED 806	Materials/Methods for Exceptional Students	3
SPED 822	Education Strategies in SE: Adaptive	3
SPED 832	Teaching Reading in Special Education	3
SPED 860	Transition in Special Education	3
SPED 867	Practicum / Collaboration in Adaptive	3

High Incidence Electives
A total of 6 credits from...

Code	Course Title	Hours
SPED 810	Technology in Special Education	3
SPED 823	Autism Spectrum Disorder and Leadership	3
SPED 824	Strategies for Leaders and Individuals Working with ASD	3
AEP 800	Innovative Technology Integration	3
AEP 855	Education Leadership	3
AEP 859	Curriculum and Evaluation of PK-12 Schools	3
AEP 866	Fostering Engagement in Today's Learners	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3

Master of Science: Special Education (High Incidence) LAL Version

High Incidence Core
A total of 30 credits from...

Code	Course Title	Hours
AEP 803	Educational Research	3
SPED 801	Legal / Professional Issues in Special Ed	3
SPED 802	Theories of Exceptionalities and Diversity	3
SPED 804	Behavior Management	3
SPED 805	Assessment and Lab in Special Education	3
SPED 806	Materials/Methods for Exceptional Students	3
SPED 832	Teaching Reading in Special Education	3
SPED 839	Practicum in Special Education II	3
SPED 860	Transition in Special Education	3
SPED 867	Practicum / Collaboration in Adaptive	3

High Incidence Electives
A total of 6 credits from...

Code	Course Title	Hours
SPED 810	Technology in Special Education	3
SPED 823	Autism Spectrum Disorder and Leadership	3
SPED 824	Strategies for Leaders and Individuals Working with ASD	3
AEP 800	Innovative Technology Integration	3
AEP 855	Education Leadership	3
AEP 859	Curriculum and Evaluation of PK-12 Schools	3
AEP 866	Fostering Engagement in Today's Learners	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3

Master of Science in Education: Education (Chemistry)

Program Core

A total of 18 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 858	Data Analysis and Assessment	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3
CHEM 880	Chemistry Education Research & Literature	3

Chemistry Graduate Studies Core Course

A total of 2 credits from...

Code	Course Title	Hours
CHEM 801	Introduction to Graduate Studies in Chemistry	2

Chemistry Emphasis Courses

A total of 12 credits from...

Code	Course Title	Hours
CHEM 632G	Physical Chemistry I	3
CHEM 634G	Physical Chemistry II	3
CHEM 644G	Organic Spectroscopic Analysis	3
CHEM 646G	Theories of Organic Chemistry	3
CHEM 656G	Instrumental Analysis	3
CHEM 662G	Biochemistry	3
CHEM 664G	Biochemistry	3
CHEM 666G	Inorganic Chemistry	3

Advanced Laboratory Courses

A total of 4 credits from...

Code	Course Title	Hours
CHEM 821	Lab Dev. Project in Chemical Ed. I	2
CHEM 822	Lab Dev. Project in Chemical Ed. II	2
OR		
CHEM 823	Research Invest. in Chem. for Teachers I	2
CHEM 824	Research Invest. In Chem. for Teachers II	2

Master of Science in Education: Education (Business)

Business Education Concentration Courses
A total of 6-9 credits from...

Code	Course Title	Hours
BUED 612G	Methods of Talent Development	3
BUED 613G	Organization and Admin. of Career and Technical Educ.	3
BUED 615G	Selection and Organization of Subject Matter in Career and Technical Education	2
BUED 821	Teaching Office Information Systems	3

Business Education Concentration Courses
A total of 9-12 credits from...

Code	Course Title	Hours
BCOM 601G	Managerial Communication	3
BCOM 690G	Professional Development	3
BCOM 692G	Managerial Reports/Presentations	3
BCOM 695G	Corporate Communication	3
MGT 611G	Human Resource Management	3

Business Education Culminating Experience
A total of 3 credits from…

Code	Course Title	Hours
BUED 820	Principles, Problems, and Trends in Business Education	3

Master of Science in Education: Education (Elementary Education)

Elementary Education Concentration Courses
A total of 30 credits from...

Code	Course Title	Hours
TEEL 820	Research Methods in Education	3
TEEL 837	Advanced Literacy and Social Studies Intermediate Grades	2
TEEL 843	Advanced Mathematics & Science Intermediate Grades	2
TEEL 857	Advanced Literacy Assessment and Intervention	2
TEEL 858	Advanced Education Foundation & Psychology	3
TEEL 859	Advanced Diverse & Exceptional Learners	3
TEEL 860	Advanced Classroom Management	3
AEP 800	Utilization of Technology in Classrooms	3
AEP 855	Educational Leadership	3
AEP 858	Data Analysis and Assessment	3
AEP 867	Instructional Design and Assessment	3

Elementary Education Electives Courses
A total of 6 credits from...

Code	Course Title	Hours
Electives	Approved by academic advisor	6

Master of Science in Education: English for Speakers of Other Languages (ESOL)

ESOL Core

A total of 33 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 858	Data Analysis and Assessment	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3
ESOL 882	ESOL Linguistics	3
ESOL 883	ESOL Assessment and Appraisal	3
ESOL 884	Methods and Material	3
ESOL 885	Practicum in ESOL	3
READ 884	Literacy Development	3

Master of Science in Education: Higher Education Student Affairs (HESA)

HESA Core

A total of 33 credits from...

Code	Course Title	Hours
	Graduate Level Elective	3
AEP 880	Cultural Diversity	3
HESA 813	Assessment, Evaluation, and Research in Higher Education	3
HESA 814	Technology in Higher Education Student Affairs	3
HESA 815	Higher Education Law	3
HESA 816	Governance and Finance in Higher Education	3
HESA 817	Student Development Theory	3
HESA 818	Student Personnel in Higher Education	3
HESA 819	Supporting Student Success in Higher Education	3
HESA 820	Leadership in Higher Education	3
HESA 879	Practicum: Higher Education Student Affairs	3

Master of Science in Education: JROTC Instructor Prep

JROTC Instructor Prep Core

A total of 15 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 859	Curriculum Planning and Evaluation	3
AEP 880	Cultural Diversity	3

Teaching Curriculum

A total of 21 credits from...

Code	Course Title	Hours
AEP 821	Educational Psychology	3
AEP 822	Classroom Management	3
AEP 823	Secondary Methods	3
AEP 824	Learning and the Brain	3
AEP 825	Thinking Maps	3
ALTC 805	Working With Diverse & Exceptional	3
ALTC 808	Practicum (Two-year program)	3

Master of Science in Education: Library Media Specialist

Library Media Specialist Core
A total of 36 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 858	Data Analysis and Assessment	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3
LIBR 852	Selection of School Library Media Materials	3
LIBR 853	Reference Retrieval	3
MIT 805	Instructional Technology Theory & Practice	3
LIBR 857	School Library Media Administration	3
LIBR 859	Library Media Supervised Practice	3
READ 861	Advanced Literature for Children…	3

Library Media Specialist Electives
A total of 3credits from...

READ 861	Advanced Literature for Children…	3
READ 884	Literacy Development	3
AEP 866	Fostering Engagement in Today's Learners	3

Applicants for a library media specialist **endorsement** must hold a current valid professional teaching license, a master's degree, and complete the above 6 graduate courses (18 credit hours), with a minimum 3.25 cumulative GPA in graduate coursework. In order to meet Kansas State Department of Education licensure guidelines, Library Media Specialist candidates must complete a master's degree before applying for an initial school specialist license and a district administered mentorship before applying for a professional school spe-

Master of Science in Education: Reading Specialist

Reading Specialist Core
A total of 36 credits from...

Code	Course Title	Hours
AEP 800	Utilization of Technology in Classrooms	3
AEP 803	Educational Research	3
AEP 855	Educational Leadership	3
AEP 858	Data Analysis and Assessment	3
AEP 867	Instructional Design and Assessment	3
AEP 880	Cultural Diversity	3
READ 861	Advanced Literature for Children…	3
READ 881	Content Area Reading	3
READ 882	Trends in Language Arts	3
READ 883	Clinical Reading Diagnosis & Remediation	3
READ 884	Literacy Development	3
READ 885	The School Reading Program (Practicum)	3

Applicants for a reading specialist endorsement must hold a currently valid professional teaching license and complete the following graduate courses, with a minimum 3.25 cumulative GPA in graduate coursework:

In order to meet Kansas State Department of Education licensure guidelines, Reading Specialist students must have two years of recent classroom teaching experience (within six years), complete a Master's degree before applying for a conditional school specialist license, and pass the ETS Praxis II Reading Specialist Test.

Course listing - Advanced Education Programs

Advanced Education Programs

* All graduate level courses have a requisite of PR, GRAD.

600 Level Graduate Credit

670G Workshop in Education I + (1-3) A workshop is designed for intensive study of an educational topic or problem.

671G Institute in Education I + (1-9) The institute is designed to provide preparation for teachers and administrators in a specialized area. Pass/No Credit.

672G Readings in Education I+ (1-3) Directed professional reading according to the needs of the individual. Requisites: PERM.

673G Problems in Education I + (1-4) A critical study of selected problems relating to the educational area under consideration. Requisites: PERM.

675G Seminar in Education I + (1-4) A critical study of selected problems relating to the educational area under consideration.

800-900 Level Graduate Credit

800 Utilization of Technology in Classrooms (3) This 3-credit hour course is designed for graduates in the Master of Science program in instructional technology and other upper division students needing an introduction course about the utilization of technology in the classroom. The course builds on basic skills and knowledge of computer applications to enhance student learning through integration of technology in the classroom. The course provides students with opportunities to develop their technical and pedagogical knowledge base using the educational technology research as a foundation, students will develop instructional materials that involve the effective use of technology in teaching and presentation.

803 Educational Research (3) A study of the nature and complexities of the educational research processes. Identification and completion of any approved educational research project is a course requirement. Requisites: PR, Admission into a Master of Science program in FHSU College of Education.

805 Driver Education—Driving Safety (3) In this foundation course in the Driver Education program, candidates will be introduced to key components of driving safety required in driver education programs. Candidates will develop their understanding of the complexity of teaching driving safety with specific focus on driving techniques, traffic laws, risk prevention, and management practices and procedures.

806 Driver Education - Instructional Methods (3)
This required methodology course in the Driver Education program provides a foundation for how to engage in high quality instructional practices for developing and implementing a driver education program, and for providing instruction to students in driver education courses both face-to-face in the classroom and behind the wheel. Specific focus will be on developing curriculum and utilizing evidence-based instructional practices for teaching students safe operation of motor vehicles, adherence to traffic laws, and general rules of the road. Requisites: PR, AEP 805.

807 Driver Education - Program Practicum (3) In this required course in the Driver Education program, candidates will work with a licensed supervisor and university faculty to apply their knowledge and skills in implementing driver education curriculum with case-study students, both face-to-face in the classroom and behind the wheel. Upon successful completion of this course, candidates will be prepared to plan, implement, maintain, and assess their own driver education program. Requisites: PR, AEP 806.

811 Teachers as Professionals (3) Emphasis is placed on the social institutions, family, and community as they affect the school system and as the school system affects them.

821 Educational Psychology (3) The Educational Psychology course explains the cognitive, linguistic, personal, social, and moral development of individuals as well as individual and group differences. This lesson also describes behaviorist and social cognitive views of learning, intrinsic and extrinsic motivation, and informal and formal assessments.

822 Classroom Management (3) The Classroom Management course is to provide classroom instructors with the information needed to focus on the core principles and practices of classroom management. This course blends a humanistic, competency-based approach with an applied, research-based, behavior management approach to provide instructors with the best current thinking on effective classroom management.

823 Secondary Methods (3) The Secondary Methods course discusses how to teach effectively in today's secondary schools. This course develops an understanding of various learning modes, learning styles, multiple intelligences, questioning techniques, and other instructional strategies to engage students and be effective in today's secondary school classroom. This course demonstrates how to use effective lesson plan design as well as various assessment techniques. This course also demonstrates strategies for ongoing professional development for teachers.

824 Learning and the Brain (3) The Learning and the Brain course describes the roles, functions, processes, and physical makeup of the brain and how it can be leveraged for optimal learning. This course defines the structure of the brain, how it functions, and how to enhance student cognition and development of academic skills. The course will also provide the classroom instructor with tools to help the student understand short and long term memory, identify factors that influence students' ability to remember, and understand higher level thinking and effective problem solving. Finally, this course will also help explain how multiple intelligences and learning styles can affect curriculum development and learning.

825 Thinking Maps (3) The Thinking Maps course is designed to enable teachers at all levels to use Thinking Maps® as a common visual language for learning. These thinking process tools are the foundation for learners' continuous cognitive development, from school to work. Thinking Maps® are used for content-specific and interdisciplinary learning, thus giving schools a common set of tools for integrating teaching, learning, and assessment. Given direct training in using these maps, students have concrete tools for independently and interdependently seeking patterns in information. These unique attributes of Thinking Maps® support students becoming independent, reflective, lifelong problem solvers and learners. Students are empowered to draw on a range of different and related thinking processes, and they are motivated to persevere during complex tasks.

839 Research Design (3) The student designs a research proposal which culminates in a thesis or written report.

845 Theories of Learning (3) Includes major theories of learning, related research and issues.

852 Elementary and Secondary Administration & Supervision (3) A study of the responsibilities of the elementary and the secondary school principal with an emphasis on modern administrative and supervisory techniques.

855 Educational Leadership (3) This course is designed to explore the nature of leadership in educational organizations by examining the approaches to leadership and analyzing the various styles of leadership. Students are exposed to leadership activities, which range from theory to practical application.

857 Administration and Evaluation of School Personnel (3) Principles and practices in the administration and evaluation of teachers, pupils, and non-certified employees of a school organization.

858 Data Analysis and Assessment (3) This course will focus on data-driven decision making for effective school leadership. Students will also learn about various forms of educational assessments and how to interpret, evaluate and use assessment results for school improvement.

859 Curriculum Planning and Evaluation (PK-12) (3) An in-depth study of curriculum/Program planning, development and evaluation. This includes a study of the basic steps as well as the personnel, committees, facilities, and resources involved in curriculum studies. The development of both system-wide curricula and specific programs will be a part of this course.

866 Fostering Engagement in Today's Learners (3) This course focuses on research-based principles for engaging PK-12 learners with the aim of fostering in them a disposition of lifelong learning. Topics include: strategies for fostering intrinsic motivation, using technology to stimulate engagement, strategies for engaging the reluctant learner, and maintaining your own motivation as an educator. The course emphasis is on the practical application of strategies customized to the graduate student's own field of educational interest.

867 Instructional Design and Assessment (3) Participants will investigate research-based instructional and assessment strategies. Focus will be placed on standards-based instruction while exploring the continuum of student through teacher-centered learning. A culminating activity in the form of a portfolio project directed to levels of learning (early childhood to young adulthood) will finalize the course.

870 Workshop in Education II + (1-3) A graduate-level workshop designed for intensive study of an educational topic or problem.

871 Institute in Education II + (1-9) The institute is designed to provide preparation for teachers and administrators in a specialized area.

872 Readings in Education II + (1-3) Directed professional reading according to the needs of the individual. Requisites: PERM.

873 Problems in Education II + (1-4) Independent study of an educational problem. Requisites: PERM.

875 Seminar in Education II + (1-4) A critical study of selected problems relating to the educational area under consideration.

879 Practicum in Education II + (1-8) This course is designed to relate theory to practice in a realistic fashion. The student is placed in a situation where experiences may be obtained relating directly or indirectly to the area being studied. Requisites: PERM.

880 Cultural Diversity (3) This course is intended to assist the classroom teacher to develop appropriate teaching strategies by alerting the teacher to needs of major cultures represented in school classrooms. The course will address: conflicts between traditional American culture and major diverse cultures, specific teaching approaches/strategies, and techniques for fostering growth of healthy self- concepts of culturally diverse students.

899 Thesis (1-6) Research of a problem or situation.

921 The Scholar Practitioner (3) This foundational course is designed to develop a broad knowledge base as well as scholarly thinking, researching and writing skills needed for doctoral study and research. The course will examine the framework of the scholar practitioner , including philosophical and ethical issues in education, and integrating theoretical and scholarly knowledge in the context of research and practice. Requisite: PR, Must be admitted to APS Education Specialist program of study.

922 Strategic Leadership (3) This foundational course is designed to develop an integrated and comprehensive approach to strategic planning in an educational context. The course will evaluate the political, social, economic, legal and cultural trends and structures that must inform strategic leadership. Emphasis is placed on evidence-based decision-making that is focused on advocating for all learners in innovation, solution finding, and educational reform. This course will explore the roles of leaders, theory, and strategies to develop a framework for effective leadership in an educational organization. Requisites: PR, Must be admitted to an APS Education Specialist program of study.

924 The Scholarly Mind (1) This foundational course will examine the framework of the scholarly mind, including characteristics and dispositions. Candidates will analyze the roles and responsibilities of the scholar-practitioner. Requisites: Admission to the EdS (Digital Leadership) program.

925 Scholar Skills for the Practitioner (1) This foundational course will explore the skills of a scholar as applied to complex issues, and innovative trends in education. The course is designed to develop a broad knowledge base and skills needed for postgraduate study and research. Requisites: PR, Admission to EdS (Digital Leadership).

926 The Strategic Thinker (1) The course will evaluate the political, social, economic, legal and cultural trends and structures that must inform strategic leadership. Emphasis is placed on evidence-based decision-making that is focused on advocating for all learners in innovation, solution finding, and educational reform. Requisites: PR, Admission to the EdS (Digital Leadership) program.

927 Strategic Planning (1) This foundational course is designed to develop an integrated and comprehensive approach to strategic planning in an educational context. This course will explore the role of leaders, theory, and strategies to develop a framework for effective leadership in an educational organization. Requisites: PR, Admission to EdS (Digital Leadership) program.

932 Research Designs and Analysis (3) The student designs a research proposal which culminates in a field study or written report. Requisites: PR, AEP 931 or concurrent enrollment.

933 Foundations of Research (2-4) The research proposal is implemented and culminates in a research report. Requisites: PR, Admission to the APS Education Specialist program.

941 Designing Professional Learning (1) This course will explore best practices for organizing, delivering, and engaging professional learners. Emphasis will be on developing of a culture of innovation, risk-taking and continuous improvement. Requisites: PR, Admission to the EdS (Digital Leadership) program.

963 Policy, Law, and Digital Education (1) The course will explore the policies and laws related to digital teaching and learning. Public policy will be considered at local, state, and/or national levels and emphasis will be given to digital content, media, and copyright laws.
Requisites: PR, Admission to EdS (Digital Leadership) program.

972 Readings in Education III + (1-3) Directed professional reading according to the needs of the individual. Requisites: PERM.

973 Problems in Education III + (1-4) Independent study of an educational problem. Requisites: PERM.

975 Seminar in Education III + (1-4) A critical study of selected problems relating to the educational area under consideration.

976 Internship in Education + (1-3) Opportunity for postgraduate student to relate theory to practice in a school setting. Requisites: PERM.

979 Practicum in Education III + (1-8) This course is designed to relate theory to practice in a realistic fashion. The student is placed in a situation where experiences may be obtained relating directly or indirectly to the area being studied. Requisites: PERM.

997 Capstone (3-6) Research a practical educational problem and develop a strategic plan for improvement. The Capstone is a research-based, inquiry-focused, practice-centered project. Requisites: PR, Admitted to an APS Education Specialist program.

998 Proposal (1-6) Proposal development for continuation of EdD programming. Students will initiate their research proposals and work under the guidance of the course instructor to prepare for doctoral level study.

999 Field Study + (1-6) Research of a situation or problem.

Applied Learning and Teaching Community

800 Introduction to Teaching (2) This on-campus introduction course provides an orientation into the field of education. This course prepares the candidates for those first days of school and builds a foundation of resources and understanding that is necessary for success in the classroom.

801 An Introduction to Teaching (3) This course is an online professional education course designed for on-the-job training and includes topics such as a workplace, classroom management, effective practices and trends, student motivation, teaching strategies, lesson and unit plans, assessment and grading, and portfolios.

802 Planning for Instruction (3) This course is an online professional education course. Topics include curriculum planning, differentiated instruction, incorporation of standards, instructional models, structuring the learning environment, assessment, reflective practice, and integrating technology.

803 Understanding the Foundations of Education (2) Assisting the student in understanding how our educational system was shaped by historical events, people and how schools function and are governed. It will provide the information necessary for the student to understand the interactions of school and society in creating our system of education. While knowledge gained will also reflect other standards, the general areas of study for this course include History and Philosophy of Education, Social Foundations of Education and the Administrations and Governance of our schools.

804 Understanding the Learner (3) This course is to emphasize the critical elements of teaching that students encounter during their initial experiences in schools. Topics include human development, psychology of learning, classroom management, student motivation, adolescence, emotional influences on learning and memory, characteristic patterns and differentiated instruction, reflection practice and technology resources for teaching.

805 Working with Diverse and Exceptional Learners (3) This course is an online professional education course designed to address the following: (a) foundations (law, standards, values and

belief(s), (b) collaboration (families, professionals, and community members) , (c) identifying students with exceptionalities and linguistic diversity (from pre-assessment to service delivery); (d) characteristics of exceptionality and linguistic diversity and impact on learning; (e) teaching students with exceptionalities and linguistic diversity through use of adaptations/modifications and assistive technology, and (f) assessing for and reporting progress.

806 Improving Instruction Through Reading & Writing (2) This course covers the principles and strategies used in effective instruction, including comprehension, reading, and writing skills needed to become more literate in content areas. In addition, students will receive training on how to use the 6-Trait Analytical Reading Guide for assessing writing, which is the method used to score Kansas State writing assessments.

807 Becoming a Reflective Teacher (2) This course addresses the nature of being a reflection practitioner. Primary topics included are curriculum planning, best practice, teaching approaches, methods and strategies, structuring the learning environment, assessment, reflective practice, and integrating technology.

808 Supervised Practicum (1) This course is an online professional education practicum designed to link course content with professional practice through mentoring and professional supervision and evaluation. One hour of practicum is required with each of the following courses: ALTC 802, ALTC 804, ALTC 805, and ALTC 807.

Counseling

803 Research and Program Evaluation in Counseling (3) This course is a study of the nature and complexities of the educational research processes. Identification and completion of any approved educational research project is a course requirement. Students will be provided opportunities to acquire greater awareness, familiarity and knowledge of the most basic concepts and principles of improving schools through research. Both the traditional content and electronic resources of counseling research are emphasized. The student will study how to identify, delineate, operationalize, write a research proposal and program evaluation.

827 Counseling Skills Development (3) Development of skills needed in counseling and consulting.

828 Counseling Skills Development II (2) A clinical experience that focuses on counseling student skill development in working with children, youth, and adults. Provides student with supervised actual experience. Requisites: AEP 827.

829 Lifespan Human Development (3) Overview of counseling issues relating to human growth and development through the lifespan.

831 Foundations of Counseling (3) Historical background, the helping relationship, ethical issues, and counseling as a profession are emphasized.

832 Lifestyle and Career Development (3) Includes the meaning of work in our society through the life-span and the relevance of career development to counseling in a variety of settings. Career theory, assessment, information, and community resources are emphasized.

834 Appraisal in Counseling (3) Conceptual mode for appraising individuals, including methods, instruments, and interpretation.

835 Theories of Counseling (3) A study of the major theories of counseling and related issues.

836 Management of Counseling Programs (3) Principles and practices of managing a counseling program.

838 Group Counseling: Theories and Procedures (3) Includes theories, types of groups, group leadership, group dynamics, and a group experience.

840 Social and Cultural Foundations of Counseling (3) An examination of the major categories of socio-economic change likely to affect the purposes, techniques, and settings for counseling. An ongoing inquiry into the interactions between the social, political, and economic systems. It provides a forum for developing a personal orientation to individual behavior and the form and substance of counseling.

841 Family Counseling (3) An examination of dysfunctional family processes and current theories of counseling. An inquiry into healthy family functioning and the role of marital instability and divorce. Opportunities are provided to develop a basic orientation and apply techniques in counseling couples and families. Requisites: PR, AEP 840.

842 Advanced Family Counseling (3) Development of a personal family counseling style to facilitate change within families. Requisites: PR, AEP 841.

843 Family Development Programs (3) Family systems program philosophy, networking, collaboration, and partnerships are excluded in the development of a solution-focused model of program planning. Requisites: PR, AEP 841.

844 Professional Counseling in Elementary Schools (3) Study of the counseling approaches, skills, techniques, and intervention strategies relevant to the educational, social, and developmental needs of children. Also appropriate for elementary school teachers seeking certification renewal and/or enhancement of interpersonal relationship skills. Requisites: PERM.

847 Professional and Ethical Issues in Counseling (3) Major ethical issues facing counselors in marital and family counseling, group work, community, and private practice counseling.

848 Psychopathology and Diagnosis (3) This course is designed to provide an opportunity for understanding the concept of recognition and categorizing dysfunctional behaviors and mental processes. Standards for categorizing purposes, uses, and ethics of categorization will be explored in a seminar/discussion format emphasizing the DSM-IV.

849 Management of Agency/Community Counseling Practice (3) This course is designed to provide a comprehensive introduction to critical issues in the management of Mental Health

Counseling practice. It is intended to introduce the student to important treatment issues which include psychopharmacology, consultation, referral, crisis intervention, client case management and assessment.

851 Marriage and Family Counseling (3) An examination of dysfunctional family processes and current theories of counseling. An inquiry into healthy family functioning and the role of marital instability and divorce. Opportunities are provided to develop a basic orientation and apply techniques in counseling couples and families. Requisites: PR, COUN 840.

877 Practicum (3) Practicum is a clinical experience that focuses on the counseling student's skill development in working with children and youth to enhance their own healthy adjustment and decision-making. Therefore, this course is designed to provide the students with actual experience in a counseling setting to provide an orientation to the variety of responsibilities of counselors and to further develop and refine their skills. Further, the intent of the course is to expose students to a variety of clients and client problems and to give them counseling experience of moderate length (4-8 sessions). In addition, students will be given the opportunity to test their own theoretical point of view in an actual counseling setting.

879 Practicum in Education (3)
This course is designed to relate theory to practice in a realistic fashion. COUN 879 meets Standard 3: The professional school counselor understands and demonstrates appropriate counseling skills to address the needs of individuals throughout the stages of human development, possesses knowledge of related human behavior at all developmental levels, in multicultural contexts, and the impact of the stages and behaviors on learning and family dynamics. The candidate is placed in a situation where experiences will relate directly to the area studied. Candidates demonstrate counseling related skills and evaluate their impact in multicultural contexts, human development, and familial dynamics. Candidates are evaluated by their on-site and university supervisor. Assignments include planning, scheduling, class-room guidance, observations, case conceptualizations, taped demonstrations, and reflections.

889 Counseling Internship + (1-3) This class provides the counselor with experience in a work setting appropriate to the individual's concentration. A minimum of 300 clock hours is required for each three hours of credit. Requisites: PR, completion of all other counseling coursework.

Digital Leadership

924 Digital Leadership (1) Digital citizenship expands beyond online safety and our digital footprint! It's about creating and leading thoughtful, empathetic digital citizens who can tackle important ethical questions as technology and humanity intersect. This course will explore, teach and assist you to model digital citizenship (digcit) and begin to assist others as responsible and active in various online settings. The course will be framed around the ISTE Standards and ISTE dgicit competencies. Requisites: PR, Admission to the EdS (Digital Leadership) program.

930 Digital Citizen (1) This foundational course will explore the skills of a scholar as applied to change in culture and leading in communities of change. The course is designed to develop a broad knowledge base and skills needed for postgraduate study and research. By understanding the role of culture un leading in a digital world, values are better understood and social relationships strengthened. Requisites: PR, Admission to the EdS (Digital Leadership program. Requisite: PR, Admission to the EdS (Digital Leadership) program.

931 Culture Shaping (1) This foundational course will explore the skills of a scholar as applied to change in culture and leading in communities of change. The course is designed to develop a broad knowledge base and skills needed for postgraduate study and research. By understanding the role of culture in leading in a digital world, values are better understood and social relationships strengthened.

942 Culture Shifting (1) This course will explore and evaluate how you can lead in a changing culture so you can influence community engagement and model dynamic change in your organization. The course will be framed around the ISTE Standards and CAEP Shared Values and Beliefs. By understanding how leaders support a community of change and the people in it, educators are empowered to excel in their roles. Requisites: PR, Admission to the EdS (Digital Leadership) program.

943 Driver of Innovation: The Learner (1) This foundational course will explore the skills of the learner as applied to leadership in digital communities. The course is designed to develop a broad knowledge base and skills needed for postgraduate study and research. By understanding the value of innovation for the learner, the leader is equipped to inspire a culture of innovation and creativity. Requisites: PR, Admission to the EdS (Digital Leadership) program.

944 The Driver of Innovation: The Leader (1) This foundational course will explore the skills of the learner as applied to leadership in digital communities. The course is designed to develop a broad knowledge base and skills needed for postgraduate study and research. By understanding the value of innovation for the learner, the leader is equipped to inspire a culture of innovation and creativity. Requisites: PR, Admission to the EdS (Digital Leadership) program.

956 Innovative Strategy and Change Management (1) This course is designed to develop skills for leading and managing change in an educational institution. An organization's performance depends critically on its ability to implement strategic change. To be successful in the future, we need to pay attention to new organizing principles that realign how we deal with the world. This involves diagnosing a situation, developing a guiding policy, and carry out a set of coherent actions to effectively address the situation (Rumelt, 2011). Requisites: PR, Admission to the EdS (Digital Leadership) program.

957 Digital Innovation & Strategy: Coolhunting (1) Finding the 'right' new technology or process to solve organizational problems or provide ways to improve processes and practices isn't about predicting the future. "It proceeds from a deep engagement with the present." Coolhunting, in the context of educational leadership, is about evaluating essential educational processes and practices and determining how well they align with optimally desired outcomes, user behavioral patterns and

technological possibilities. 'Cool' means discovering solutions that account for disruption, make the processes and practices easier and more intuitive, while simultaneously improving outcomes. Requisites: PR, Admission to the EdS (Digital Leadership) program.

967 Leadership in Digital Data (1) Finding the 'right' new technology or process to solve organizational problems is not a "one and done" process. To communicate the impact of changes and even why changes need to be made in the first place we need to translate numbers and data into relatable stories that stakeholders can understand. The purpose of this course is to advance students' awareness and understanding of the rich data generated in our organizations, and to develop skills to visualize and communicate data to support implementation, adoption, and successful utilization of processes that will positively impact those organizations. Requisites: PR, Admission to the EdS (Digital Leadership) program.

968 Closing the Loop (1) 'Closing the loop' is often used to indicate the follow through necessary to see a project through to a successful conclusion. However, implementing technology designed to solve organizational problems is not a "one and done" process. Organizational buy-in and training are necessary first steps, but change is a journey. Successful organizational change requires clear and measurable goals and objectives. Progress needs to be tracked and communicated. Projects involving organizational change are also not solo activities. Cooperation, collaboration, and teamwork are essential to smooth adoption and ultimate success. Requisites: PR, Admission to the EdS (Digital Leadership) program.

979 Practicum in Digital Leadership (3) This course is designed to connect digital leadership theory to practice in a realistic fashion. The student is placed in a situation where experience may be obtained relating to positions in digital leadership. The practicum Portfolio Project is completed to document the experience and demonstrate proficiency in the education leadership competencies. Students are responsible for securing a practicum placement and mentor. These experiences are most often completed in the district or institution in which students are employed. Alternative placements are available. Requisites: PR, Admission to the EdS (Digital Leadership) program.

Educational Leadership

850 School Law (3) A study of basic legal considerations for Kansas educators including rules governing the operation of schools with practical applications of legislation and court decisions.

851 Supervision and Evaluation of School Personnel (3) A study of the building principal's supervision and evaluation responsibilities with an emphasis on modern evaluation and supervision techniques, improvement of instruction, and selection of personnel.

852 Introduction to School Administration (3) This course is designed to assist prospective school leaders in developing a beginning knowledge base about school administration by fulfilling their roles and responsibilities in five key areas: decision making, communication, change, conflict management, and the establishment of an effective teaching and learning climate while at the same time understanding the ISLLC standards and reflecting on the skills and attributes needed to put them into practice.

853 Special Education for School Leaders (3) This course is designed to address what school leaders need to know about special education, from the changing requirements of special education law to state compliance procedures. Students will discuss topics that are critical to the role of the school leader as it relates to special education while at the same time understanding the Interstate School Leaders Licensure Consortium standards and reflecting on the skills and attributes needed to put them into practice.

854 Educational Finance (3) Fundamental principles and techniques of financing public schools and the business administration of school systems.

856 School-Community Relations (2-3) A study of the techniques and media that school administrators and teachers may use in the two-way process of keeping the public informed and receiving information from the community.

901 District Technology Operations & Management (3) This course is designed to help candidates seeking district-level positions within a preK-12 school district understand and demonstrate the capacity to promote the use of the Future Ready Technology Leaders Framework and the International Standards for Teacher Education (ISTE) Standards for Educational Leaders. This course will develop students' skills in becoming an advocate for the equity and citizenship, visionary planner, empowering leader, systems designer, and connected learner.

910 Data Management for District Leaders (3) This course will overview data literacy skills required for leading PK-12 Districts. This course will explore data collection, sources, management, security, ethics, assumptions, and limitations. Students will explore big data to learn strategies for organizing, managing security and interpreting data analytics.

911 Quantitative & Qualitative Analysis of District Data (3) This course explores the use of quantitative and qualitative analysis strategies using district data. This course will develop students' skills in using appropriate statistical measures as well as qualitative coding strategies to accurately analyze and interpret data.

912 Data Driven Decisions (3) This course is designed to build students' skills in interpreting, communicating and presenting data results in a meaningful way. Emphasis will be on evaluating and appropriately using data analyses as a basis for decisions and actions.

951 District Administration (3) This course is designed to assist prospective district building administrators in developing a fundamental knowledge and application of administrative roles and responsibilities for the efficient operation of the school district as mandated by state statutes and the local school board. Key topics addressed are: supervision and evaluation of school personnel; scope of authority over operations; fiscal , curriculum, instruction; collective bargaining process; and long range planning.

952 District Administration Trends and Practices (3) This course is designed to assist prospective district administrators in

developing fundamental knowledge and application of current trends and practices that impact district administration. Key topics addressed are: understanding district vision for learning, networking and collaboration, district culture of learning, attitudes toward social media, district management and policy, technology integration and 21st century learning, data driven decision making, and the implication of Open Educational Resources.

954 District Finance (3) The school superintendent is in charge of more than just instructional aspects or the supervision of the employees and educators of a school district. A large part of the superintendent's duties includes the financial responsibilities of the district. This course is designed to develop the skills needed for working with the fiscal activities in public education, including knowledge of state and local responsibilities, sources of revenue, and other functions related to financing public school education at the district level.

955 Education Facilities (3) A study of the problems and duties identified with the planning, remodeling, maintaining, and operating of an educational facility.

979 Practicum in District Leadership (3) This course is designed to relate educational administration theory to practice in a realistic fashion. The student is placed in a situation where experiences may be obtained relating to positions in Central Office Administration.

English for Speakers of Other Languages

Graduate Credit

882 ESOL Linguistics (3) This course is intended to prepare teachers desiring ESOL endorsement with a background in linguistics that will allow them to understand the structure and function of language. It will provide the theoretical underpinnings that will allow teachers to better plan curriculum for their students. Using the information, they will be able to determine which elements of English may be the most problematic for their students. They will learn ways in which languages may differ and what the universal characteristics of language are.

883 ESOL Assessment and Appraisal (1-4) This course is intended to prepare teachers desiring ESOL endorsement with a background in assessment that will allow them to assess and evaluate their ESOL students accurately. It will provide information regarding second language development and the theoretical underpinning necessary for nonbiased assessment, as well as considering methods of both traditional, formal assessment and nontraditional, informal assessment. Interpretation of results and their application will be considered.

884 ESOL Methods and Materials (1-4) The purpose of this course is to introduce students to contemporary methods and materials used in English for Speakers of Other Languages Pre-K – 12 classrooms. It will introduce methods and materials used in teaching non-native speakers with limited or non-existent English proficiency. Emphasis will be placed on the contextualized aspects of second language learning and the preparation of activities, materials, and evaluation techniques for classroom use.

885 Practicum in ESOL (1-8) This course is designed to relate theory to practice in a realistic fashion. The student is placed in a situation to obtain experiences relating directly to the area being studied. Requisites: PERM.

Higher Education Student Affairs

813 Assessment and Evaluation of Higher Ed Programs (3) The primary purpose of the course is to teach theory and application of assessment principles and techniques necessary for the student affairs practitioner. Because assessment is a key component in the educational process, the importance of initial and ongoing assessment related to institution / department mission, vision and values will be central to the course.

814 Technology in Higher Education Student Affairs (3) This course is primarily designed for current and future higher education professionals and will explore many of the technology issues facing the modern institution of higher education. The course will focus on the use of digital tools, resources and technologies for the advancement of student learning, development and success, as well as the improved performance of student affairs professionals. Included in this course are knowledge, skills, and dispositions that lead to the generation of digital literacy and digital citizenship within communities of students, student affairs professionals, faculty members, and colleges and universities.

815 Higher Education Law (3) This course is primarily designed for current and future higher education professionals and will explore many of the legal issues facing the modern institution of higher education. The course will begin with an overview of the history of the relationship and evolution of higher education and the law. As the course progresses, current critical legal issues including student speech and associational rights, due process concepts, equal protection and discrimination, compliance with federal laws relating to higher education, and governance. Supplemental materials will be provided in addition to required readings in the text. The course is intended to be an overview, not an in-depth analysis of any given topic. Likewise, the course is not designed to provide and introduction to or overview of every facet of the law regarding higher education.

816 Governance and Finance in Higher Education (3) Analysis of the governance, administration and finance of institutions of higher education in the United States. This course includes lectures, discussions, visiting presentations, and interactive case narratives.

817 Student Development Theory (3) The primary focus of this course is to provide a foundation for graduate students to develop an understanding of major and emerging college student development theories. Students will identify and understand the relationship between theory, practice and research.

818 Student Personnel in Higher Education (3) Designed to develop an understanding of the philosophy, role problems, trends, and administration of student personnel programs in higher education.

819 Supporting Student Success in Higher Education (3) Learners will explore the models of and skils for advising, with special focuses upon mentoring, crisis intervention/referral, interpersonal communication, and serving special populations. Techniques in giving direction, feedback, critique, referral, and guidance will be considered. Student support will then be applied to retention efforts by institutions.

820 Leadership in Higher Education (3) Students will learn with knowledge, skills, and dispositions associated with successful leadership in a higher education setting.

879 Practicum: Higher Education Student Affairs (3)
The practicum is designed to serve as an opportunity to develop and practice skills and it also provides a transition into the next steps of the student's professional employment. The practicum provides the opportunity for the student to apply the theories and skills gained from course work and apply it within a practical setting while integrating the experience into a conceptual frame of reference. Successful completion of the practicum will increase the student's competence and marketability upon graduation. The practicum will offer the opportunity to observe or participate in the activities and responsibilities that are considered to be the major functions of the office in which the practicum is located. Requisites: PR, PERM.

Library and Media Specialist

Graduate Credit

852 Selection of School Library Media Materials (3) This course introduces the principles governing building, maintaining, and using materials (both printed and non-print) adequate for the basic needs of elementary and secondary school library media centers.

853 Reference Retrieval (3) Acquaints students with basic general reference sources and gives them an understanding of reference problems and techniques applicable to libraries. Emphasizes standards upon which to base the evaluation of reference materials. Recent developments in retrieval of information by computer and on-line searching is also examined.

856 Cataloging for School Library Media (3) Provides an introduction to the theory, practice, and application of the principles of cataloging and classification. Subject classification and simple entries are emphasized, along with new AACR2 catalog rules. Filing rules are included. Machine readable cataloging is emphasized..

857 School Library Media Administration (3) Provides an introduction to the organization and principles of library administration. Study is made of basic procedures and requirements for administration of a library media program and center. A procedures manual is established by the individual student for personal use.

859 Library Media Supervised Practice (Practicum) (3) Library media observation and practice, with instruction in the use of materials and services in libraries. Supervised work experience in the library is arranged. Requisites: Completion of the five basic courses of the library media program is required.

Masters in Instructional Technology

Graduate Credit

805 Instructional Technology Theory and Practice (3)
This course covers current topics such as instructional change; student and teacher roles; student engagement; and classroom information management, providing examples that balance theory with practice. For graduates in the MS Instructional Technology, and other upper division students.

806 Seminar in Technology Education + (1-3)
Definite structured daily activities in the areas of construction, manufacturing, visual communications, materials and processes, power, and energy.

812 Multimedia Applications (3) This course presents an introduction to multimedia technologies and applications. The course is designed to allow students with no previous experience as well as those with experience to extend their competencies in the use of visual, audiovisual, computer, multimedia, and hypermedia materials.

813 Instructional Message Design (3) Instructional Message Design presents an overview of educational and corporate instructional message design methodologies and skills. The course is designed to allow students with no previous experience as well as those with experience to learn basic message design skills and create different types of multimedia instructional materials.

822 Hypermedia/Hypertext Applications (3) The 3-credit hour course is designed for graduates in the Masters of Science program in Instructional Technology. It provides an overview of hypermedia and hypertext applications for instructional technology.

885 Technology Practicum (1-3) Definite structured daily activities in the areas of construction, manufacturing, visual communications, materials, and processes, power and energy.

Reading

Graduate Credit

861 Advanced Literature for Children and Young Adults (PreK-12) (3) Designed for teachers, supervisors, administrators, and librarians who have previous background with literature appropriate for children and/or young adults. Emphasis is placed on current titles.

881 Content Area Reading (3) Study of learning and reading as

related to content area subjects. Focuses on techniques and understandings for teaching students how to use print as a tool for learning.

882 Trends in Language Arts (3) This course analyzes trends and practices in teaching the language arts as well as surveying current materials used for instruction of the language arts. Special emphasis will be placed on reading and writing processes. An advanced course that is designed to review literature related to trends and developments in language arts instruction.

883 Clinical Reading Diagnosis and Remediation (3) This course is a practicum in conducting intensive evaluations of children with reading disabilities. Students will learn to administer, score, and interpret informal and standardized test instruments, including the administration and interpretation of parent and child interviews for background information.

884 Literacy Development (3) Explores underlying language and literacy development from a psycho-linguistic perspective. Classroom techniques to foster emergent literacy development are stressed.

885 The School Reading Program (Practicum) + (3) A practicum experience in the school setting. Focus will be upon organization of the reading program in the school and its interrelationships with pupils, parents, other teachers, and administrators.

Special Education

Graduate Credit

800 Research (3) This course will present technical and research literature, statistical concepts and computations, and examine use of computer software for statistical analysis. The course will also include skills in accessing reference material. Students will define and prepare a research study.

801 Legal/Professional Issues in Special Education (3)
This course will focus on legal and professional issues in special education. Emphasis is on exceptional children and youth and the provision of educational and related services for this population.

802 Theories of Exceptionalities and Diversity (3) This course is the foundation course in the field of special education. It will present the theoretical perspectives of individual variance. This course describes procedures for identifying exceptional students relevant to cognitive, social, motor, communication, and affective behavior. The family, biological and cultural factors contributing to variant behavior are examined in this course.

803 Consultation in Special Education (3) Study of the basic principles, tools, and techniques of counseling, conferencing, and consulting related to the parents and professionals working with exceptional children. Requisites: PR, TESP 302.

804 Behavior Management in Schools (3) A study of behavior of children and youth with emphasis on the diagnosis and modification of behaviors. Requisites: PR, TESP 302.

805 Assessment and Lab in Special Education (3) This course provides strategies for planning assessment for exceptional learners, concepts of measurement, and interpretation of test results. Content in lab will include both formal and informal assessment in these selected areas: (A) Aptitude/Intelligence, (B) Achievement, (C) Achievement, (C) Affective/Personality, (D) Early Childhood Tests, (E) Multicultural Assessment, (F) Vocational Assessment, and (G) Counseling Assessment. Requisites: PR, SPED 601 or TESP 302.

806 Methods and Materials for Exceptional Students (3) Teaching will be examined as a process consisting of curriculum instruction techniques and performance evaluation. Application of the process to individualized programming will be stressed. Course will discuss methods and materials for all exceptionalities. Requisites: PR, TESP 302.

807 Multiculturalism in Special Education (2) This course provides an introduction to relevant issues related to special education students from culturally diverse backgrounds. The course is designed for educators and other professionals who work with special education students from culturally diverse backgrounds.

809 Topics in Special Education+ (1-3) A critical study of issues relating to special education and exceptional individuals. The course will center around the collection, dissemination, and discussion of material in the areas of law and ethics, medical aspects of exceptionality, and service delivery.

810 Technology in Special Education (3) The purpose of this course is to increase knowledge and skills in the application of assistive and educational technology with exceptional children.

811 Characteristics of Early Childhood Special Education (3) This course provides an overview and introduction to the field of early childhood special education. The course covers topics such as rationale, history, handicapping conditions, assessment, and service delivery considerations.

812 Curriculum for Early Childhood Special Education (3) The purpose of this course is to help prepare students to teach and serve young handicapped children and their families. An emphasis is placed on assessment, programming, instruction, and data collection.

814 Advanced Child Development (3) The purpose of this course is to give an overview of the field of early childhood education. Information on the history and theories of child development, as well as information on characteristics of children at different ages, will be discussed. In addition discussions on play and electronic media, including computer-assisted instruction, will be provided. How information in each of these areas relates to young handicapped children will also be included in the discussions. Requisites: PR, a course in human growth and development or equivalent or PERM.

822 Educational Strategies in Special Education: Adaptive (3) This course is designed to present and discuss specific approaches for meeting the needs of students experiencing behavior disorders.

851 Characteristics of Exceptional Children & Youth: Gifted (3) SPED 851 is the foundational course in the Gifted Education program of study. Candidates will examine the foundations, definitions, concepts, and applications of major theories and models of

giftedness. Focus will be on how the gifted educator/facilitator applies these understandings

852 Educational Strategies in Special Education: Gifted (3) Specific assessment, instructional planning, and methodological techniques for gifted will be studied.

853 Curriculum and Instruction for Gifted Education (3) Students will examine both general and specialized curricula, focusing specifically on locating, evaluating, and implementing evidence-based instructional strategies that will support the learning of diverse students identified as gifted. Candidates will evaluate best practices in program planning and appropriate curriculum and instructional strategies for meeting the unique needs of the gifted learner. Students will apply differentiated instructional strategies to design lesson plans which promote advanced cognitive skill, promote creativity and leadership, and address affective and character growth.

855 Identification and Assessment for Gifted Education (3) Students in SPED 855 will examine a variety of assessment methods to both identify and to continuously monitor the progress of diverse students identified as gifted. Assessment methods included, but are not limited to: state/national referral and identification practices, formative assessment models, summative assessment models, progress monitoring models. Students will identify and articulate the roles of educators, parents, and community in the assessment process, and demonstrate competency in communication identification/assessment results successfully.

858 Practicum in Special Education I: Gifted (1-3) This course is designed to relate theory to practice in a realistic setting. The student is placed in a situation to obtain experiences relating directly or indirectly to the area being studied. Requisites: PERM.

859 Practicum/Collaboration & Consult.: Gifted Special Education (3) This advanced course is designed to relate theory to practice in a realistic setting. The student is placed in a situation to obtain experiences relating directly or indirectly to the area being studied. As part of this experience, the student is given opportunities to study the basic principles, tools, and techniques of counseling, conferencing, and consulting as related to students who are gifted, their parents, and other professionals. Requisites: PR, PERM.

861 Vocational/Transition Education (3) Introduction to the basic concepts of career and vocational programming for students with special needs. Theoretical constructs and practical considerations for programming from the preschool level through the secondary school level will be presented.

867 Practicum/Collaboration & Consult.: Adaptive Special Education (3) This course is designed to relate theory to practice in a realistic setting. The student is placed in a situation to obtain experiences relating directly or indirectly to the areas being studied. Requisites: PR, PERM and SPED 802.

#Lab required
PERM: Permission
PR: Pre-requisite

+Course may be repeated

Department of Teacher Education

Undergraduate Degrees

Bachelor of Science in Education: Elementary Education (Early Childhood Unified)

Bachelor of Science in Education: Elementary Education

Bachelor of Science in Education: Secondary Education

Minors

Minor in Special Education

Certificates

Certificate in ESOL

Department of Teacher Education Faculty & Staff

Chair: Dr. Chris Jochum

Professors: Dr. Chris Jochum, Dr. Janet Stramel

Associate Professors: Dr. Valerie Zelenka

Assistant Professors: Dr. Sarah Broman Miller, Dr. Matthew Clay, Dr. Betsy Crawford, Dr. Linda Feldstein

Instructors: Ms. Sue Boldra, Ms. Heather Musil, Ms. Laney Roths, Ms. Amy Schaffer, Ms. Sara Stroup

FHSU Online Faculty: Ms. Stephanie Muth

Department Staff: Ms. Amber Barratt, *Senior Administrative Assistant;* Ms. Lori Dickman, *InPlace Grant Coordinator;* Mr. Derek Edwards, *Academic Advisor (A-L);* Ms. Megan Maska, *Academic Advisor (M-Z)*

See department page online for full listing

Requirements to Become a Teacher

A candidate desiring to become a teacher must satisfy the requirements of the selected teacher education program.

The basic requirements are that the candidate: (1) meet the requirements necessary to be admitted to Teacher Education; (2) meet the requirements necessary to be admitted to Student Teaching; (3) complete the general education program for Teacher Education; (4) complete the professional education program for teacher education; (5) meet the Kansas State Department of Education [KSDE] requirements to be approved for recommendation for a teaching license; (6) achieve a passing score on the Principles of Learning and Teaching Test (PLT); and (7) a passing score on the subject assessment test required by the KSDE. The procedures to be followed in pursuing a program which culminates in a recommendation for a teaching license are below.

Admission to Teacher Education

A candidate pursuing a teacher licensure program should seek admission to teacher education during the sophomore year. Admission to teacher education is required prior to enrolling in restricted upper-division education courses. The application form may be obtained from the Teacher Licensure Office or online at http://www.fhsu.edu/cert. Candidates who do not hold a bachelor's degree must have a cumulative grade point average of at least 2.75 including a minimum of 36 semester hours of general education credits at the time of application. These are to include ENG 101/102 English Composition I and II, COMM 100 Fundamentals of Oral Communication, MATH 110 College Algebra or higher, and MATH 250 Elements of Statistics or MATH 350 Introduction to Mathematical Statistics. A minimum grade of "C" is required in these basic skills courses. Candidates who hold a bachelor's degree must have a 2.75 GPA on the last 60 hours of college credit or a cumulative GPA of 2.75. Enrollment in these courses during the semester of application is acceptable with final admission to Teacher Education contingent upon completion with a grade of "C" or better. Additional requirements are listed on Teacher Education website.

Admission to Student Teaching

A candidate who has been admitted to teacher education must apply for admission to Student Teaching prior to February 15 if the student plans to student teach in the fall semester or prior to September 15 if the candidate plans to student teach in the spring semester. The application form may be obtained from the Teacher Licensure Office or online at http://www.fhsu.edu/cert/. Requirements for admission to Student Teaching are: (1) admission to Teacher Education; (2) indication of adequate preparation in teaching fields to perform the student teaching assignments; (3) attainment of a grade index of 2.75 in all coursework; (4) attainment of a grade index of 2.75 in coursework completed in teaching field(s) or meet departmental grade point average requirements if higher; (5) no grade lower than "C" in professional education courses; (6) favorable recommendation from the department in the candidate's area(s) of teaching; (7) submission of credential file to Career Services; and (8) approval for admission to Student teaching by the Council on Preparation of Teachers and School Personnel.

Bachelor of Science in Education: Elementary Education (Early Childhood Unified)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	
GSCI 110 World Geography	3
HIST 111 Modern World Civilization	3
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
HIST 110 World Civilization to 1500	3
HIST 130 U.S. History to 1877	3
POLS 101 American Government	3
Upper-Division Integrative Course	3

Professional Studies (non-restricted)

A total of 9 hours from...

Code	Course Title	Credits
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TESP 302	Educating Exceptional Students	3

Major Courses (non-restricted)

A total of 12 hours from...

Code	Course Title	Credits
TESP 320	Programs, Procedures, and Issues in SE	3
TECS 301	Intro to Instructional Technology	3
TEEL 230	Diverse Learners	3
TEEC 321	The Young Child	3

Major Courses (Restricted)

**Must be admitted to Teacher Education to continue*

A total of 27 hours from…

Code	Course Title	Credits
TEEC 323	Emergent Literacy	3
TEEC 368	Child Care Management & Admin	3
TEEC 362	ECU Mathematics Methods PreK-3	3
TESP 330	Behavior Strategies and Support	3
TESP 350	Assessment in Special Education	3
TESP 360	Principles of Instruction in SE	3
TESP 370	Technology Applications in SE	3
TEEL 431	Educational Psychology	3
TEEL 350	Curriculum and Assessment	3

Internships & Methods Courses

**Must be admitted to Teacher Education to take these courses*

Choose 13 hours from...

Code	Course Title	Hours
TEEC 336	Internship I - Birth to Age 3	1
TEEC 340	Creative Expressions Methods	3
TEEC 341	Internship II - Ages 3 to 5	1
TEEC 365	Curriculum in Early Childhood	3
TEEC 376	Internship III - Kindergarten to Grade 3	1
TEEL 365	Literacy Methods	4

Student Teaching

**Must be admitted to Teacher Education to take these courses*

Choose 12 hours from...

Code	Course Title	Hours
TEEC 465	Student Teaching - Birth to Age 5	6
TEEC 466	Student Teaching - K-3	6

Totals

A total of 127 credits from...

University Requirements	55
Department Requirements	72
Total	**127**

Bachelor of Science in Education: Elementary Education

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	
GSCI 110 World Geography	3
HIST 111 Modern World Civilization	3
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
HIST 110 World Civilization to 1500	3
HIST 130 U.S. History to 1877	3
POLS 101 American Government	3
Upper-Division Integrative Course	3

Professional Studies (non-restricted)

A total of 9 hours from...

Code	Course Title	Credits
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TESP 302	Educating Exceptional Students	3

Major Courses (non-restricted)

A total of 19 hours from...

Code	Course Title	Credits
ART 300	Elementary Art Methods	2
HHP 415	Health & PE Methods & Curriculum	3
MUS 366	Elementary School Music	2
TECS 301	Intro to Instructional Technology	3
TEEL 230	Diverse Learners	3
TEEL 260	Children's Literature	3
TEEL 340	Classroom Management	3

Major Courses (Restricted)

**Must be admitted to Teacher Education to continue*

A total of 9 hours from…

Code	Course Title	Credits
TECS 390	Instructional Technology for Elementary	3
TEEL 350	Curriculum and Assessment	3
TEEL 431	Educational Psychology	3

Internships & Methods Courses

**Must be admitted to Teacher Education to take these courses*

Choose 23 hours from...

Code	Course Title	Hours
TEEL 360	Mathematics Methods	3
TEEL 361	Elementary School Science Methods	3
TEEL 363	Social Studies Methods	3
TEEL 365	Literacy Methods	4
TEEL 377	Internship I	1
TEEL 378	Internship II	1
TEEL 478	Internship III	1
TEEL 479	Science Internship	1
TEEL 480	Correction of Reading Disabilities Intern	1
TEEL 481	Correction of Reading Disabilities	3

Student Teaching

**Must be admitted to Teacher Education to take these courses*

Choose 12 hours from...

Code	Course Title	Hours
TEEC 496	Student Teaching	12

Totals

A total of 127 credits from...

University Requirements	55
Department Requirements	72
Total	**127**

Bachelor of Science in Education: Secondary Education

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component	
GSCI 110 World Geography	3
HIST 111 Modern World Civilization	3
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives	6
One Laboratory	1
Social and Behavioral Sciences	
HIST 110 World Civilization to 1500	3
HIST 130 U.S. History to 1877	3
POLS 101 American Government	3
Upper-Division Integrative Course	3

Professional Studies (non-restricted)

A total of 12 hours from...

Code	Course Title	Credits
TECS 290	Introduction to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TESP 302	Educating Exceptional Students	3

Major Courses (non-restricted)

A total of 12 hours from...

Code	Course Title	Credits
TEEL 431	Educational Psychology	3
TESS 494	The Secondary School Experience	3
TEEL 496	Student Teaching Secondary	12

The Bachelor of Science in Secondary Education is available only as part of a dual major in conjunction with a major in an academic teaching field approved by the KSDE at the PreK-12 and 6-12 levels. The teaching fields available are art, biology, business, chemistry, earth/space science, English, modern languages (German and Spanish), journalism, mathematics, music, physical education, physics, psychology, technology education (communications; power, energy, transportation; production), history and government. For requirements in each content, please contact the appropriate teaching area office. Students wishing to complete the requirements for the Secondary Education major must also meet the Teacher Education Program requirements. This program follows the Conceptual Framework for Teacher Education at Fort Hays State University.

Minor in Special Education

Special Education Minor

A total of 21 hours from...

Code	Course Title	Credits
TEEL 340	Classroom Management	3
TESP 320	Programs, Procedures, & Issues in SE	3
TESP 330	Behavior Strategies and Support	3
TESP 350	Assessment in Special Education	3
TESP 360	Principles of Instruction in SE	3
TESP 370	Technology Applications in SE	3
TESP 465	Special Education Student Teaching	3

The department offers a minor in **Special Education**. Adding a minor to your major in teacher education allows you to better serve all the students under your care, have more earning potential, and make yourself more attractive on the job market. When you hold a Special Education endorsement you'll:

- **Serve more students.** You'll be better equipped to meet the needs of ALL students in your classroom.
- **Be higher valued.** The median pay for special education teachers is higher than that of regular education teachers (U.S. Bureau of Labor Statistics).
- **Be more marketable.** The addition of the minor and endorsement will allow graduates to teach students with disabilities in inclusionary classrooms and/or special education resource classrooms, pre-kindergarten through 12th grade.

Certificate in Teaching English to Speakers of Other Languages

ESOL Certificate Courses

Code	Course Title	Credits
TEEL 673	Methods and Materials	2
TEEL 673	Linguistics	3
TEEL 673	Praxis II Prep	1

The Kansas Department of Education (KSDE) only requires a teacher to pass the ESOL Praxis test to successfully add the ESOL endorsement to his/her license. Our ESOL Certificate program was developed to prepare both current teachers and pre-service teacher candidates to take the ESOL Praxis test. The certificate program includes three courses for a total of six credit hours.

Course Listing - Teacher Education

Early Childhood Unified

Undergraduate Credit

321 The Young Child (2) A child growth and development course dealing with the physical, cognitive, social, emotional, language, and moral aspects of the child from birth up to the school-age years.

323 Emergent Literacy The purpose of this course is to offer opportunities to explore various perspectives of language acquisition and the development of literacy. The focus will be on exploring linguistic principles of literacy development that children birth through grade 3 require in order to become fluent in the areas of reading and writing. The students will examine how knowledge, theory, and research influence our understanding of language and literacy instruction. Prerequisite: Admission to Teacher Education.

336 Internship I: Birth-Age 3 (1) The course is designed to provide early childhood education majors with an observation and participation experience. Candidates are placed in an educational setting for children birth through age three. Field time is required. Pre-Requisite: Admission to Teacher Education, Co-Requisite: TEEC 340.

340 Creative Expressions in Early Childhood (3) Provide an overview and introduction into adapting early childhood curricula for special needs children Birth through Grade three particularly in subject areas of art, music, physical education and health. This course covers topics such as special education law, handicapping conditions, assessment, intervention strategies and adapting early childhood curricula to include the creative arts. Pre-Requisite: Admission to Teacher Education. Co-Requisite TEEC 336.

341 Internship II: Ages 3-5 (1) The course is designed to provide early childhood education majors with an observation and participation experience. Candidates are placed in an educational setting for children ages 3 through 5. Field time is required. Prerequisites: Admission to Teacher Education.

362 ECU Mathematics Methods PreK-Grade 3 (2) This course provides methods for teaching mathematics and the integration of mathematics into other content areas. The focus will be on theory, teaching strategies, and hands-on learning. A study of instructional methods, curricular design, and scope and sequence for the teaching and integrating of mathematics in the preschool and early elementary school settings will be included. An inquiry centered approach is inherent throughout the course to promote investigation and critical thinking on the part of pre-service teachers. Requisites: Admitted to Teacher Education program.

365 Curriculum in Early Childhood (3) Provide an overview and introduction into adapting early childhood curricula for children Birth through Grade three. Students will critique and develop curricula appropriate for meeting early childhood unified content and professional standards in the areas of social studies, science and mathematics. This course focuses on identification of inquiry strategies, assessments, selection of curricular materials, and research strategies that allow practicing teachers to look closely at their teaching and the nature of practice. Prerequisite: Admission to Teacher Education.

368 Child Care Management and Administration (3) The course deals with the management and operation of the child care program. Concepts will deal with establishing a community base, licensing, financing, physical facility, operational guidelines, staffing, enrollment, parental involvement, food service, and other operational considerations. Requisites: admission to Teacher Education required.

376 Internship III: Kindergarten-Grade 3 (1) The course is designed to provide early childhood education majors with an observation and participation experience. Candidates are placed in an educational setting for children kindergarten through grade 3. Field time is required. Pre-Requisite: Admission to Teacher Education, Co-Requisite: TEEL 365.

465 Student Teaching Birth-Age 5 (6) This course is designed to relate theory to practice in a realistic setting. The student is placed in a situation to obtain experiences relating directly or indirectly to the areas being studied. Pre-Requisite: Admission to Student Teaching Co-Requisites: TEEC 466.

466 Student Teaching Kindergarten-Grade 3 (6) This course is designed to relate theory to practice in a realistic setting. The student is placed in a situation to obtain experiences relating directly or indirectly to the areas being studied. Pre-Requisite: Admission to Student Teaching Co-Requisites: TEEC 465.

Elementary Education

Undergraduate Credit

014 Reading and Study Skills for College Students (3) The course is designed to help college students improve their reading and study skills in the textbooks/materials currently being used in their coursework. Students completing this course will have 3 credit hours added to the minimum degree requirements.

202 Foundations of Education (3) An introductory course for students considering a career in professional education. Includes historical, philosophical, and sociological foundations, organization and finance, and teaching and learning.

230 Diverse Learners (3) A critical study of the multicultural environment in the American educational system with emphasis pertaining to the culturally diverse learners. The various areas of emphasis will include, yet will not be limited to, the issues of culture, ethnicity, religion, linguistics, and (disabilities. Through this course the candidate will be empowered to deal with diversity in the classroom.

231 Human Growth and Development (3) A study of the development of the individual over the total life-span. Special attention is given to physical, social, sexual, emotional, intellectual, and linguistic development.

260 Children's Literature (2) This course is designed to provide knowledge of genre of literature, activities, and units that focus on literature, cultural awareness through literature, and the competence in selecting and evaluating books for children. Requisites: PR, sophomore level and PERM.

276 Honors Internship I (1) A 40 hour field experience designed to introduce the pre-service candidate to the roles of educators, professional expectations, and beginning elements of sound teaching practice. Co-requisites: TEEL 279. Admission to Honors Classification required.

277 Early Field Experience (1-3) The course is designed to provide education majors with an observation and participation experience in an area of special interest. Candidates are placed in an educational setting relevant to their program. Pass/No Credit. Requisites: PERM.

278 Field Experience I (1-3) Field experience will provide the candidate an opportunity to obtain practical experience in an area of interest.

279 Honors Seminar I (1) Critical analysis and discussion of classroom instructional practice as they pertain to theory, content knowledge and practice. Candidates will initiate individual research projects under supervision of a professor in the Department of Teacher Education. Requisites: PR, Admission to Honors Classification Required; CO, TEEL 276.

280 Honors Internship II (1) A 40 hour field experience designed to introduce the pre-service teacher to beginning elements of sound teaching practice, in particular the integration of children's literature, and physical education. Requisites: PR, TEEL 276 and TEEL 279; CO, HHP 410, TEEL 260, TEEL 281.

281 Honors Seminar II (1) Critical analysis and discussion of classroom instructional practices as they pertain to theory, content knowledge and practice for the integration of children's literature, and physical education. Candidates will continue individual research projects under the supervision of a professor in the Department of Teacher Education. Requisite: PR, TEEL 278 and TEEL 279; CO, HHP 410, TEEL 260, TEEL 280.

282 Honors Internship III (1) A 40 hour field experience designed to introduce the pre-service teacher to beginning elements of sound teaching practice, in particular the integration of children's literature, music, and artistic expression. Good standing in Honors Program required. Requisite: PR, TEEL 280, TEEL 281; CO, ART 300, MUS 366, TEEL 283.

283 Honors Seminar III (1) Critical analysis and discussion of classroom instructional practices as they pertain to theory, content knowledge and practice for the integration of children's literature, music, and artistic expression. Interns will continue individual research projects under the supervision of a professor in the Department of Teacher Education. Requisite: PR, TEEL 280, TEEL 281; CO, TEEL 282. ART 300.

323 Children's Literature and Reading in Early Childhood (3) This course is designed to give the candidate a wide background in literature appropriate for use with children birth to 7. Pre-reading and early reading skills will be emphasized. Requisites: Admission to Teacher Education; TEEL 260.

340 Classroom Management (3) This class is designed for pre-service teachers who will learn to setup, plan, and implement effective teaching and discipline strategies to optimize students' on-task time. This course covers responsibility and accountability of teachers when running an effective classroom. The principles can be applied to all settings and all grade levels. Requisites: PR, TEEL 202 and TEEL 231.

350 Curriculum and Assessment (3) Curriculum design, implementation, and evaluation as well as action research strategies that support learning at elementary and middle school levels will be studied. Candidates will critique and develop curricula appropriate for meeting content and professional standards. Pre-requisites: Admittance to Teacher Education.

360 Mathematics Methods (3) This course provides methods for teaching mathematics and the integration of content from other disciplines. The focus will be on theory, teaching strategies, and hands-on learning. A study of instructional methods, curricular design, and scope and sequence for the teaching of mathematics in K-6 settings will be included. An inquiry-centered approach is inherent throughout the course to promote investigation and critical thinking on the part of pre-service teachers. Requisites: PR, Admission to the Teacher Education Program, MATH 180;
CO, TEEL 377.

361 Elementary School Science Methods (3) This course provides methods for teaching science and the integration of content from other disciplines. The focus will be on theory, teaching strategies, and hands-on learning. A study of instructional methods, curricular design, and scope and sequence for the teaching and integrating of science in elementary and middle school settings will be included. An inquiry-centered approach is inherent throughout the course to promote investigation and critical thinking on the part of pre-service teachers. Requisites: PR, Admission to Teacher Education; CO, TEEL 479.

363 Social Studies Methods (3) The course presents basic principles, procedures, and instructional practices as a process in teaching social studies in the elementary school. Requisite; PR, Admission to the Teacher Education Program; CO, TEEL 478.

364 Language Arts in Elementary School (3) Study of language acquisition, methods, and materials of teaching communication skills.

365 Literacy Methods (4) This course will encompass the acquisition of language and the development of reading. The focus will be on theory, strategies, methods, and materials. Requisites; PR, Admission to Teacher Education required.; CO, TEEC 376 and TEEL 378.

377 Mathematics Internship (1) Opportunity for students to obtain experience in the instruction of teaching mathematics under the supervision of the Education faculty. Requisites; PR, Admission to the Teacher Education Program, and field experience is required. Co, TEEL 360.

378 Literacy Internship (1) Opportunity for students to obtain experience in instruction in the teaching and assessment of reading and language arts with the integration of technology under the supervision of education faculty. Field time is required. Requisites: PR, Admitted to Teacher Education program; CO, TEEL 365.

380 Honors Internship IV (1) Opportunity for students to obtain experience in instruction in the teaching and assessment of social studies, management of a classroom, and making adjustments for individual student needs under the supervision of the education faculty. Forty hours of fieldwork is required. Requisites: PR, Admission to the Teacher Education program, TEEL 282, TEEL 283; CO, TEEL 363 and TEEL 381.

381 Honors Seminar IV (1) Critical analysis and discussion of classroom instructional practices as they pertain to theory, content knowledge and practice to teaching and assessment of social studies, management of a classroom, and making adjustments for individual student needs. Candidate will write the first of two chapters of an individual research project under the supervision of a professor in the Department of Teacher Education per previously arranged contract. Admission to Teacher Education and good standing in Honors Program is required. Requisites: PR, Admission to Teacher Education program.

382 Honors Internship V (1) Opportunity for students to obtain experience in instruction in the teaching and assessment of reading and language arts with the integration of technology under the supervision of the Education faculty. Forty hours of fieldwork is required. Requisites: PR, TEEL 380, TEEL 381, Admission to the Teacher Education Program; CO, TEEL 365, TEEL 383.

383 Honors Seminar V (1) Critical analysis and discussion of classroom instructional practices as they pertain to theory, content knowledge and practice to teaching and assessment of reading and language arts with the integration of technology. Students will write the first of two chapters of an individual research project under the supervision of a professor in the Department of Teacher Education per previously arranged contract. Requisites: PR, Admission to Teacher Education Program required. TEEL 380, TEEL 381, CO, TEEL 365 and TEEL 382.

431 Educational Psychology (3) A study of the psychology of learning, individual differences, and measurement, with emphasis on individual learning. Requisites: Admission to Teacher Education required.

470 Workshop in Education I (1-3) The workshop is designed for intensive study of an educational topic or problem.

471 Institute in Education I (1-9) The institute is designed to provide preparation for teachers and administrators in a specialized area.

472 Readings in Education I (1-3) Directed professional reading according to the needs of the individual. Requisites: PR, PERM.

476 Apprenticeship in Education I (1-3) Opportunity for Candidates to obtain experience in instruction under the supervision of the education faculty. Requisites: PERM.

478 Social Studies Internship (1) Opportunity for students to obtain experience in the instruction of teaching social studies under the supervision of the Education faculty. Field time is required. Requisites: PR, Admission to the Teacher Education Program CO, TEEL 363.

479 Science Internship (1) To provide an opportunity for candidates to obtain experience in instruction in the teaching and assessment of science under the supervision of Education faculty. Field time is required. Requisites: PR, Admission to Teacher Education Program; CO, TEEL 361.

480 Correction of Reading Disabilities Internship (1) This internship must be taken in conjunction with TEEL 481 Correction of Reading Disabilities. Requisites: PR, Admission to Teacher Education; Co-requisite, TEEL 481.

481 Literacy Assessment and Interventions (4) Focuses on application of word recognition and comprehension skills and related aspects of reading instruction by tutoring, under supervision, a child with reading deficiencies. Lecture involves learning correlates of reading problems and diagnostic techniques. Students will complete 16 hours of internship time with elementary students as part of this course. Requisite,: PR, Admission to the Teacher Education Program. Complete 16 hours of internship time with elementary students required. TEEL 365 and TEEL 378.

482 Honors Internship VI (1) Opportunity for students to obtain experience in instruction in the teaching and assessment of mathematics and science under the supervision of the Education faculty. Forty hours of field time is required for this experience. Admission to Teacher Education is required. Good standing in Honors Program is required. Requisites: PR, Admission to the Teacher Education Program; CO, TEEL 483 and TEEL 362.

483 Honors Seminar VI (1) Critical analysis and discussion of classroom instructional practices as they pertain to theory, content knowledge and practice of teaching mathematics and science. Students will complete the writing and field assessment of an individual research project under the supervision of a professor in the Department of Teacher Education and submit a presentation proposal to a state or national conference. Admission to Teacher Education and good standing in Honors Program are required. Prerequisites: TEEL 382 and TEEL 383. Co-requisites: TEEL 362 and TEEL 482.

490 Honors Thesis Presentation (1) Presentation of the honors thesis will be made to Honors Seminar 5 and 6 classes and prepared for presentation at a state or national conference and for publication in an educational journal. Admission to Teacher Education and good standing in Honors Program is required. Requisite: PR, Admission to the Teacher Education Program, TEEL 482 and TEEL 483; CO, TEEL 495 and TEEL 496.

493 The Middle School I (3) A study of the development of the middle school, its purposes, programs, services, organization, and administration.

496 Student Teaching Elementary (3-13) Admission by application submitted to the education department office. Supervised teaching experience is provided in approved elementary schools. Student teaching in: (1) elementary school; (2) elementary school art; (3) elementary school music;(4) elementary school physical education; and (5) early childhood and preschool. Requisites: PR, Admission to Student Teaching required.

ESOL

Undergraduate Credit

480 Introduction to ESOL Assessment (3) The purpose of this course is to develop teacher candidate understanding of ESOL assessments and assessment practices used to place, teach, follow, and exit ESOL students through P-12 education. Formal and alternative assessment instruments will be analyzed. Testing bias will be examined. Teaches will become aware of assessment measures used at the district, school, and classroom level. They will have the opportunity to develop alternative methods of evaluation to more closely understand the language levels of their students. Requisite: PR, TEEL 365, TEEL 378, and admission to the Teacher Education Program.

481 Introduction to ESOL Methods and Materials (3) The purpose of this course is to introduce teacher education candidates to contemporary methods and materials used in the teaching of ESOL at the P-12 levels. The course will introduce the methods and materials used in teaching English to non-native speakers with limited or nonexistent English proficiency. Emphasis will be placed on the preparation of activities, materials, and evaluation techniques for future classroom use. Requisite: PR, TEEL 365, TEEL 378, and admission to teacher education.

482 ESOL Linguistics (3) Linguistics is intended to prepare teaching candidates desiring the P-12 ESOL endorsement with a background in the structure and function of language. This course will provide the theoretical underpinnings that allow candidates to better plan curriculum for their students. Candidates will be able to determine which elements of English may be most problematic for their students, the ways in which languages may differ, and what are the universal characteristics of language. This course combines aspects of applied linguistics, psychology, and second language acquisitions, as well as second language pedagogy, for increased instructional competency with second language learners. Requisite: PR, TESL 480, TESL 481, and admission to student teaching.

496 ESOL Student Teaching (3) This course is designed to relate theory to practice in a realistic setting, The candidate is placed in a situation to obtain experiences relating directly or indirectly to the areas being studied. The equivalent of twenty days (120 hours) in a setting that includes a minimum is required for this experience. Pre-requisite: admission to student teaching.

Elementary Education

Undergraduate/Graduate Credit

602 Multicultural Study Travel + (1-9) Significant contributions of specific cultures are studied with emphasis on their institutions, history, traditions, and customs.

607 Education Conference + (1-9) The educational conference is designed to explore educational topics of continuing and current interest to teachers and school-service personnel. Credit varies with the depth and breadth of coverage of the topics.

625 Methods and Materials for Early Childhood Education (2) An exploration of significant curriculum models emphasizing specific instructional methodologies and various learning materials pertinent to the different levels of early childhood education. The course will involve the development of selected instructional activity resources. Requisites: admission to Teacher Education required.

627 Parent, School, Community (3) This course is designed to provide teachers with the skills needed to enlist and coordinate participation and involvement of parent and community as partners with the school. Requisites: PR, Admission to Teacher Education.

670 Workshop in Education II + (1-3) A workshop is designed for intensive study of an educational topic or problem.

672 Readings in Education II + (1-3) Directed professional reading according to the needs of the individual. Requisites: PERM.

673 Problems in Education I + (1-4) A critical study of selected problems relating to the educational area under consideration. Requisites: PERM.

674 Institute in Education II (1-9) The institute is designed to provide preparation for teachers and administrators in specialized areas.

675 Seminar in Education I + (1-4) A critical study of selected problems relating to the education area under consideration.

678 Field Experience II + (1-3) Provides the candidate an opportunity to obtain practical experience in an area of interest. The candidate will be under the supervision of a selected practitioner.

679 Practicum in Education I + (1-8) This course is designed to relate theory to practice in a realistic fashion. The candidate is placed in a situation to obtain experience relating directly or indirectly to the area being studied. Requisites: PR, Admission to Teacher Education Program, submission of practicum application, admission to practicum, PERM.

680 Correction of Reading Disabilities Internship II (1) This internship must be taken in conjunction with TEEL 681 Correction of Reading Disabilities Internship I. Requisites: co-requisite, TEEL 681.

681 Correction of Reading Disabilities II # (3) Focuses on application of word recognition and comprehension skills and related aspects of reading instruction by tutoring, under supervision, a child with reading deficiencies. Lecture involves learning correlates of reading problems and diagnostic techniques. Requisites: Permission by instructor, co-requisites, TEEL 680.

Graduate Credit

858 Advanced Educational Foundations and Educational Psychology (3) This course explores the educational implications and applications of research on child development, cognitive science, learning, motivation, teaching and assessment and how it can be applied to intervene and address the everyday problems within the field of education.

859 Advanced Diverse and Exceptional Learners (3)
This course explores practices to support the education of all students. The focus is on inclusive practices: instructional approaches that emphasize teaching students effectively in the academic, social , and behavior domains. The emphasis is on reality-based techniques that can be implemented for students with a range of special needs and students from diverse backgrounds, and that are consistent with today's instructional expectations and the knowledge base of effective practices.

860 Advanced Classroom Management (3) This class is designed for pre-service and in-service teachers at the graduate level who will learn to set up, plan, and implement effective teaching and discipline strategies to optimize students' on-task time. This course covers responsibility and accountability of teachers when running an effective classroom. The principles can be applied to all settings and all grade levels.

865 Teaching Reading Skills (3) Designed to provide an understanding of reading instruction. Emphasis is placed upon developing various word recognition or decoding skills and comprehension within a whole language perspective.

866 Instructional Models and Teaching Strategies (2) This course examines a variety of approaches to teaching: factors related to instructional planning, instructional models and strategies, matching children with instructional techniques and approaches, including instructional components related to multiculturalism. The course is intended to provide the elementary teacher with teaching expertise needed to meet the diversity among the populations in today's classrooms. Requisites: PR, GRAD standing.

868 Elementary School Curriculum (2-3) The course includes a consideration of influences that affect elementary school curriculum, alternative types of curricular organization, and a study of the current trends and issues in the content areas of elementary schools. Requisite: PR, GRAD standing.

870 Workshop in Education III + (1-3) A graduate-level workshop designed for intensive study of an educational topic or problem. Requisite: PR, GRAD standing.

871 Institute in Education III (1-9) The institute is designed to provide preparation for teachers and administrators in a specialized area. Requisite: PR, GRAD standing.

872 Readings in Education III + (1-3) Directed professional reading according to the needs of the individual. Requisites: PERM and GRAD standing.

873 Problems in Education II + (1-4) Independent study of an educational problem. Requisites: PERM and GRAD standing.

874 Independent Improvement of Teaching (1-3) Opportunities for students who have graduated to obtain additional competencies. Requisites: PERM and GRAD standing.

876 Apprenticeship in Education II + (1-3) Opportunity for graduate-level students to obtain experience in instruction under the supervision of the graduate faculty. Requisite: PR, GRAD standing.

878 Field Experience III + (1-3) Provides the student an opportunity to obtain practical experience in an area of interest. The student will be under the supervision of a selected practitioner. Requisite: PR, GRAD standing.

893 The Middle School II (3) A study of the development of the middle school, its purposes, programs, services, organization, and administration. Requisite: PR, GRAD standing.

899 Thesis (1-6) Individual study of a selected problem relating to education.

Special Education Minor

302 Educating Exceptional Students (3) This course explores the historical and philosophical foundations of general, special, and inclusive education; the development and characteristics of all learners including those with disabilities; the impacts of individual differences on education; and the legal parameters appropriate for each learner's educational needs. Requisites: PR, TEEL 231.

320 Programs, Procedures & Issues in Special Education (3) This course provides the candidate with information on special education programming including legal and ethical perspectives; pre-referral; placement; individual education program plans; parent conferencing, and colleague consultation and collaboration. Requisites: PR, TESP 302.

330 Behavior Strategies and Support (3) This course provides the candidate with the following aspects of behavior strategies and management; introduction to behavior systems. Measurement of behavior and behavior change; procedures for establishing new behavior; strategies for increasing desirable behavior and decreasing undesirable behavior; and special considerations for application of behavioral principles in the schools. Requisites: PR, TESP 302. Admittance to the Teacher Education Program.

350 Assessment in Special Education (3) This course provides information on technical aspects of assessment; practice with testing; and information on interpretation of test results of commonly used instruments. This course also explores the use of alternative assessment procedures. It is recommended that candidates complete a statistics course prior to taking this course. Requisites: PR, TESP 302, TEEL 231. Admittance to the Teacher Education Program.

360 Principles of Instruction in Special Education and Clinical Immersion Birth-Grade 12 (3) This course explores a variety of assessment instruments, procedures, and technologies for learner screening, evaluation, eligibility decisions, instructional planning, progress monitoring, and technology considerations. Requisites: PR, TEEL 231, TESP 302 and admission to the Teacher Education Program.

370 Technology Applications in Special Education (3) This course provides for the study of the use of technology in the school, home and the community. Emphasis is placed on applications of technology systems and devices that are productive for candidates with exceptionalities. Requisites: PR, TESP 302. Admittance to Teacher Education program required.

465 Student Teaching: Special Education (3) This course provides a supervised teaching experience designed to assist prospective special education teachers in the development of skills in: managing classroom learning environments, implementing instruction, employment issues, and diversity issues. Requisites: PR, Admission to Student Teaching and .PERM.

Secondary Studies

Undergraduate Credit

277 Early Field Experience (1-3) The course is designed to provide education majors with an observation and participation experience in an area of special interest. Students are placed in an educational setting relevant to their problem. Requisites: PERM.

278 Field Experience I (1-3) Field experience will provide the candidate an opportunity to obtain practical experience in an area of interest. Requisites: PERM.

485 Reading and Comprehension of Text (2) Study of reading and problem solving from text. Emphases will be on vocabulary importance and instruction; comprehension instruction, especially critical reading skills; and textbook evaluation.

494 The Secondary School Experience (4) This course is a comprehensive overview of teaching skills and literacy strategies common to all content areas in secondary education. It is also a review and update of effective school principles, integration and instruction for special needs students, legal issues, assessment and the use of technology in the secondary classroom. In addition, this course includes a two-hour per week clinical experience in a secondary school. This course shall be taken in the semester prior to Student Teaching. Prerequisites: Admission to Teacher Education, Senior standing.

495 The Secondary School (4) The selection and application of

appropriate procedures, methods, techniques, and devices of teaching. Requisites: PR, TEEL 202, TEEL 231.

496 Student Teaching Secondary (6-12) Admission by application. Supervised teaching experience is provided in approved accredited secondary schools. Directed teaching in: 1) secondary school [12 hrs]; 2) secondary school art [6 hrs]; 3) secondary school music [6 hrs]; 4) secondary school physical education [6 hrs]; or 5) secondary school [6 hrs]. Prerequisites: admission to Student Teaching.

Undergraduate/Graduate Credit

678 Field Experience II + (1-3) Provides the candidate an opportunity to obtain practical experience in an area of interest. The candidate will be under the supervision of a selected practitioner.

Graduate Credit

800 Induction to Teaching (2) This course is the first of seven courses developed to create a complete program of study to prepare candidates of Alternative Teaching Licensure for successful professional achievement. This induction course provides an orientation into the field of education for those candidates. The course uses a workshop format and meets for a minimum of thirty hours of contact time, providing an overview of topics necessary for beginning teachers. This course prepares the candidates for those first days of school and builds a foundation of resources and understanding that is necessary for success in the classroom. Requisites: PR, Graduate standing and admittance to Transition to Teaching Program.

801 An Introduction to Teaching (3) This course is an online professional education course designed for candidates in the Alternative Teacher Licensure Program. It is to be completed during the initial semester of the classroom experience and is designed to follow the introductory course, Induction to Teaching (TESS 800), that is offered in the summer prior to the beginning of the teaching experience. This on-the-job-training course includes the topics of the Blackboard Tutorial, school as a workplace, classroom management, effective practices and trends, student motivation, teaching strategies, lesson and unit plans, assessment and grading, and portfolios. Requisites: PR, Admission to the Transition to Teaching Program and GRAD standing.

802 Planning for Instruction (3) This course is an online professional education course designed for candidates in the Transition to Teaching Program. Topics include curriculum planning, best practice, teaching approaches, methods and strategies, structuring the learning environment, assessment, reflective practice, and integrating technology. Requisite: PR, Admission to Transition to Teaching program and GRAD standing.

803 Understanding the Foundations of Education (2) Assisting the candidate in understanding how our educational system was shaped by historical events, people and how schools function and are governed. It will provide the information necessary for the candidate to understand the interactions of school and society in crating our system of education. While knowledge gained will also reflect other standards, the general areas of study for this course include History and Philosophy of Education, Social Foundations of Education and the Administrations and Governance of our schools. Requisites: PR, Admission to Transition to Teaching Program and GRAD standing.

804 Understanding the Learner (3) This course is to emphasize the critical elements of teaching that students encounter during their initial experiences in schools. Topics include human development, psychology of learning, adolescence, emotional influences on learning and memory, characteristic patterns and differentiated instruction, reflective practice and technology resources for teaching. Requisites: PR, TESS 803.

805 Working with Diverse and Exceptional Learners (3) This course is an on-line professional education course designed to address the following: (a) foundations (law, standards, values and beliefs); (b) collaboration (families, professionals, and community members); (c) identifying students with exceptionalities and linguistic diversity (from pre-assessment to service delivery); (d) characteristics of exceptionality and linguistic diversity and impact on learning; (e) teaching students with exceptionalities and linguistic diversity through use of adaptations / modifications and assistive technology; and (f) assessing for and reporting progress. Requisite: PR, Admission to Transition to Teaching or the Counseling Program, and GRAD standing.

806 Improving Instruction Through Reading and Writing (2) This course covers the principles and strategies used in effective instruction, including comprehension, reading, and writing skills needed to become more literate in content areas. In addition, students will receive training on how to use the 6-Trait Analytical Reading Guide for assessing writing, which is the method used to score Kansas state writing assessments. Requisites: PR, Admission to Transition to Teaching Program and GRAD standing.

807 Becoming a Reflective Teacher (2) This course is an online professional education course designed as the final course for candidates in the Transition to Teaching Program. The course addresses the nature of being a reflective practitioner as the candidate develops, field tests, and evaluates a unit of study using the Kansas Performance Assessment model. Primary topics included are curriculum planning, best practice, teaching approaches, methods and strategies, structuring the learning environment, assessment, reflective practice, and integrating technology. Requisites: PR, Admission to Transition to Teaching Program.

808 Supervised Practicum (1) This is an online professional education practicum designed for teachers in the Transition to Teaching Program or for teachers wishing to renew a license. One hour of practicum is linked to each of the following Transition to Teaching courses: TESS 801, 802, 804, 805, 806 and TESS 807 when taken during the fall or spring semesters. Requisites: PR,

College of Health and Behavioral Sciences

DEPARTMENTS

Allied Health

Communication Sciences and Disorders

Health and Human Performance

Nursing

Psychology

LEADERSHIP

Jeff Briggs	Dean
Brenda Hoopingarner	Allied Health, Chair
Karmen Porter	Communication Sciences and Disorders, Chair
Steven Sedbrook	Health and Human Performance, Interim Chair
Jenny Manry	Nursing, Chair
Dharma Jairam	Psychology, Chair
Tim Davis	Social Work, Chair

The College of Health and Behavioral Sciences is home to challenging and exciting degree programs in the fields of allied health, communication sciences and disorders, health and human performance, nursing, psychology and social work

Serving over 2000 undergraduate and graduate students, our departments offer programs that prepare students for careers in some of the fastest-growing occupations in the United States.

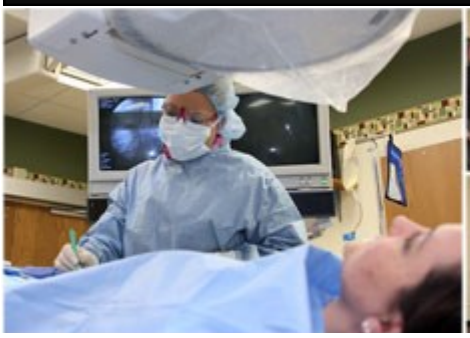
With comprehensive and demanding curricula, and a reputation for innovation and excellence in teaching, programs prepare graduates to excel in their chosen field. In addition to discipline specific coursework, students have many opportunities to gain experience and knowledge through research projects, field trips, service-learning activities, teaching apprenticeships, internships, and student exchange.

Students graduate with a wealth of knowledge and genuine ability in their fields. They develop skills that prepare them to be practitioners, scientists, health care providers, educators, managers, and policy makers destined for key roles in the health and life sciences.

Please explore the departmental web sites for more detailed information regarding the outstanding academic programs in the College of Health and Behavioral Sciences.

We invite faculty, students, alumni, future students, and friends to follow us on Facebook, where we provide news, share accomplishments, and update followers on the activities of the college.

Department of Allied Health



Imaging technologists operate sophisticated equipment to assist physicians diagnose and treat patients with a wide range of health problems. As highly skilled employees in a dynamic and growing field, imaging technologists often work in multiple specialty areas– radiologic technology, computed tomography, magnetic resonance imaging, sonography, cardiovascular-interventional technology, bone densitometry, and mammography.

As a student in the Allied Health Department, you are given unique and innovating learning opportunities from the moment you come to campus.

- Discover the perfect combination of theory and hands-on experience in all the leading modalities of diagnostic imaging, preparing you to be successful in a variety of environments
- Have access to state-of-the-art facilities in labs to practice your skills
- Gain extensive hands-on experience through a year-long clinical program that is coupled with online classes to reinforce what you learn at your clinical experience
- Learn with a diverse group of students from all over the region, since FHSU offers the only BS in Medical Diagnostic Imaging in the state
- Complete your studies as part of a small, close-knit group of students who support one another throughout the program
- Work closely with faculty who provide you personalized academic and career advising
- Find a job upon graduation, as employers actively seek out our graduates

The FHSU imaging programs will prepare you for a successful experience after college, demonstrated by a nearly 100% pass rate on national certification exams within Allied Health majors.

Program Goals

The mission of the program is assessed by the degree to which the program achieves the following goals:

To provide communities with entry level radiographers skilled in diagnostic imaging procedures.

To facilitate development of critical thinking, problem solving, technical competency, radiation safety, and effective communication skills.

To provide an environment which encourages professional and personal growth.

To enhance the quality of patient care provided to diverse populations.

Undergraduate Degrees

Associate of Science: Radiologic Technology

Bachelor of Science:

Medical Diagnostic Imaging

Bachelor of Science: MDI (Ultrasound)

Certificates

Cardiovascular Interventional Technology

Computed Tomography

Magnetic Resonance Imaging

Women's Imaging

Department of Allied Health Faculty & Staff

Chair: Brenda Hoopingarner

Professors: Christa Beiker

Associate Professors: Brenda Hoopingarner, Denise Orth, Jennifer Wagner

Instructors: Kathryn Holecek, Tara Rohn

Lecturer: Arrica Braun

Department Staff: Janie Gilmore, *Senior Administrative Assistant*

See department page online for full listing

Program Objectives

Upon completion of the Radiologic Technology Program, the student should be able to:

- Apply the knowledge of imaging principles and concepts to evaluate and produce diagnostic radiographs.
- Apply the knowledge acquired in the biological, physical, and behavioral sciences, math and liberal arts in the practice of radiological science.
- Provide quality patient care and education based on knowledge and empathy gained through clinical and classroom experiences.
- Utilize problem-solving, critical thinking, and communication skills to function within a highly technical work environment.
- Practice within the profession's legal and ethical boundaries.
- Perform a full range of radiologic procedures as an entry -level radiographer.

Program Benchmarks

- Ninety percent of student course evaluations will indicate they are satisfied with the overall instruction.
- Ninety percent of employers surveys returned will rank FHSU graduates better than graduates from similar programs.
- Ninety percent of graduates surveys returned will indicate high quality instruction.
- Graduates will have a 78 percent or better on all clinical affective evaluations.
- Maintain a 95 percent pass rate on the first ARRT examination per class.
- Maintain a 95 percent job placement within six months of graduation for those seeking employment.
- Maintain an 80 percent graduation rate.
- Returned Graduate Surveys will indicate 90 percent have critical thinking and problem solving skills.
- Returned Graduate Surveys will indicate 90 percent practice radiation safety.
- Returned Employer Surveys will indicate 90 percent of graduates will have the ability to communicate and interact with patients.
- Returned Employer Surveys will indicate 90 percent of graduates continue their professional and personal development.
- Ten percent of graduates will continue into more advanced level programs.
- Returned Employer Surveys will indicate 90 percent of graduates have the ability to provide care for diverse patient populations.

Admission Criteria

1. Students must submit a complete Radiologic Technology Program application form. To complete the application, students are required to provide the following packet of information: 1) all college transcripts, including FHSU, 2) ACT scores if available, and 3) high school transcripts if you are under 21 and/or if you are not a transfer student. In order to be considered for the next class starting in the summer semester, we must receive your complete application before February 1.

2. Students seriously considering the program are strongly encouraged to arrange a visit to a radiology department. We recommend that you spend several hours observing the activities of the department so that you are better informed of the responsibilities you will gradually assume during your radiography training. Although a clinical visit is not required, preference will be given to students with an understanding of radiologic technology.

3. Students preparing for admission into the Radiologic Technology Program must complete the list of pre-radiologic technology courses before they will be allowed to begin the program. These courses can be taken at FHSU or at any college as long as they are considered transferable equivalent credits by the FHSU Registrar. A letter grade of a 'C' or better is required for all pre-radiologic technology courses. Students are also required to have a cumulative GPA of 2.75 or better on a 4.0 scale.

4. Before February 15th, the complete applications will be thoroughly reviewed by the campus radiologic technology faculty. Based on the application materials submitted, approximately 50-55 of the most qualified applicants will be invited for an interview with the Program Selection Committee comprised of FHSU faculty and clinicians. Prior to the interview, students will be asked to make a prioritized list of the acceptable clinical sites for their clinical experience from the following locations: Garden City, Great Bend, Hays, Kansas City, Liberal, Olathe, Salina, Abilene, and Sterling. Students may choose to list only one or more of the clinical sites but should be aware that limiting the acceptable clinical sites decreases their chances of being accepted into the program. During the selection process, the program tries to match the student with the clinical site, and if accepted into the program, the student will be assigned to a clinical site for the duration of the program.

5. During the interview which lasts approximately 15 minutes, the Selection Committee will ask a series of questions to assess the following:
   - How well does the candidate understand the field of radiologic technology?
   - How well will the candidate be able to interact with patients and staff?

Are there any reasons why the candidate would not be able to successfully complete the program?

6. In the two weeks following the interview, candidates will be notified in writing whether or not they were accepted into the program.

7. Students must be accepted into Fort Hays State University.

NOTE: Before beginning the program, students must complete a background check as required by affiliated clinical education sites. Also, students that have been convicted of a felony or misdemeanor may have violated the American Registry of Radiologic Technologists (ARRT) Rules of Ethics and may be considered ineligible to sit for board examinations. Individuals may submit a pre-application form to the ARRT (651-687-0048) at any time either before or after entry into an approved educational program.

Associate of Science: Radiologic Technology

The first step towards a successful career is the A.S. degree in Radiologic Technology, a program that begins during the summer semester once you are accepted into the program. The number of students admitted into this program is restricted by the availability of clinical experiences at affiliated clinical education centers located throughout Kansas and Colorado. If you wish to be considered for selection, you must submit your completed application materials by February 1. After completing this program, you will be eligible for registration by the American Registry of Radiologic Technologists (ARRT).

University Degree Requirements

Specified General Education Requirements:

Code	Course Title	Credits
BIOL 100	Human Biology	3
BIOL 102	Lab Experience in Biology	1
BIOL 230/L	Anatomy and Physiology I / Lab	4
BIOL 231/L	Anatomy and Physiology II / Lab	4
BIOL 245	Medical Terminology	2
COMM 100	Fundamentals of Oral Communication	3
ENG 101	English Composition I	3
ENG 102	English Composition II	3
HHP 200	Personal Wellness	3
MATH 110	College Algebra	3
MIS 101	Intro to Computer Information Systems	3
PSY 100	General Psychology	3
PSY 400	Child and Developmental Psychology	3

Core - grade of "C" or better required

Code	Course Title	Credits
	Semester I - Summer:	
RAD 260	Orientation to Radiologic Techniques	1
RAD 261	Radiologic Safety	1
RAD 62/L	Radiographic Procedures / Lab	3
RAD 363	Principles of Radiographic Exposure I	1
	Semester II—Fall:	
RAD 263 /	Radiographic Procedures / Lab	5
RAD 265	Patient Care in Medical Imaging	1
RAD 364	Principles of Radiographic Exposure II	2
RAD 365	Special Procedures in Radiology	1
RAD 373	Radiologic Pathology	1
	Semester III—Spring:	
RAD 300	Radiation Biology	2
RAD 372	Biophysics	2
RAD 264 /	Radiographic Procedures III / Lab	4
RAD 266	Patient Care in Medical Imaging II	1
	Semester IV—Summer:	
RAD 367	Clinical Experience	6
RAD 368	Seminar in Radiology	2
	Semester V—Fall:	
RAD 262	Radiographic Positioning	2
RAD 367	Clinical Experience	6
	Semester VI—Spring:	
RAD 262	Radiographic Positioning	2
RAD 367	Clinical Experience	6

Bachelor of Science: Medical Diagnostic Imaging

Increased technology has prompted many hospitals to seek to employ RTs who have been trained in two or more skilled areas. This program provides you the opportunity to pursue cross-training in various areas of advanced imaging. A variety of courses are offered throughout the year in modalities such as computed tomography (CT), ultrasonography, cardiovascular-interventional technology (CVIT), mammography (M), magnetic resonance imaging (MRI), or bone densitometry (BD). Admission to this program is restricted to students who are currently enrolled in an accredited radiologic technology program or students who have completed an accredited radiologic technology program.

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Laboratory Experiences in Biology	1
Two Electives	6
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Cognates A total of 6 hours from…

A grade of "C" or better is required in all courses

Code	Course Title	Credits
BIOL 230	Human Anatomy and Physiology	3
BIOL 232	Anatomy of Humans Laboratory	1
BIOL 245	Medical Terminology	2

Medical Diagnostic Imaging Core

30 hours from the following courses:

Code	Course Title	Credits
MDI 410	Cross-Sectional Anatomy: Normal	4
MDI 411	Computed Tomography Pathology…	4
MDI 412	Computed Tomography Procedures	4
MDI 413	Computed Tomography Physics…	4
MDI 414	Clinical Preceptorship (Leadership)	1
MDI 414	Clinical Preceptorship (Mammography)	1
MDI 414	Clinical Preceptorship (Magnetic…)	8
MDI 414	Clinical Preceptorship (Cardiovascular…)	8
MDI 417	MRI Physics and Instrumentation	4
MDI 418	Cardiovascular - Interventional Tech.	4
MDI 419	Mammography for Rad Technologists	4
MDI 420	Leadership and Management of Radiology	3
MDI 422	Advanced Patient Care for Imaging Professionals	2
MDI 423	Bone Densitometry Techniques	2
MDI 424	Advanced Mammography	2
MDI 425	Digital Mammography	2
MDI 426	Advanced CVIT	4
MID 427	CVIT Pathology and Case Review	4
MID 428	Principles of Diagnostic Medical Sonography	4

Free Electives

Free Electives	25

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	30
Total	**120**

Bachelor of Science: MDI (Ultrasound)

Increased technology has prompted many hospitals to seek to employ RTs who have been trained in two or more skilled areas. This program provides you the opportunity to pursue cross-training in various areas of advanced imaging. A variety of courses are offered throughout the year in modalities such as computed tomography (CT), ultrasonography, cardiovascular-interventional technology (CVIT), mammography (M), magnetic resonance imaging (MRI), or bone densitometry (BD). Admission to this program is restricted to students who are currently enrolled in an accredited radiologic technology program or students who have completed an accredited radiologic technology program.

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Laboratory Experiences in Biology	1
Two Electives	6
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Ultrasound Core

A total of 69 credits from...

Code	Course Title	Credits
	Semester 1 - Fall	
	All courses are Problems in MDI courses:	
MDI 472	Foundations in DMS I	1
MDI 472	Ultrasound Physics and Instrumentation I	2
MDI 472	Abdominal Ultrasound Procedures I	2
MDI 472	OBGYN Ultrasound Procedures I	2
MDI 472	General Ultrasound Lab	2
MDI 472	Vascular Ultrasound Procedures I	2
MDI 472	Vascular Ultrasound Procedures I Lab	2
	Semester II - Spring	
MDI 472	Foundations in MDI II	1
MDI 472	Ultrasound Physics & Instrumentation II	2
MDI 472	Abdominal Ultrasound Procedures II	2
MDI 472	OBGYN Ultrasound Procedures II	2
MDI 472	General Ultrasound II Lab	2
MDI 472	Vascular Ultrasound Procedures II	2
MDI 472	Vascular Ultrasound Procedures II Lab	2
	Semester III - Summer	
MDI 367	Clinical Experience	4
MDI 472	Clinical Sonography I	2
	Semester IV - Fall	
MDI 367	Clinical Experience	6
MDI 472	Clinical Sonography II	2
MDI 472	Ultrasound Imaging of Superficial Structures	1
MDI 472	Neurosonography	1
MDI 472	Ultrasound Imaging of the Breast	2
	Semester V - Spring	
MDI 367	Clinical Experience	6
MDI 472	Clinical Sonography III	2
MDI 472	Advanced Ultrasound Seminar	3
	Semester VI - Spring	
MDI 262	Radiographic Positioning	2

Free Electives

Free Electives	4

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Certificates in Allied Health

Since the invention of the X-ray in 1895, the field of diagnostic radiology has rapidly advanced. With new and advanced imaging tools available, the role of radiologic technologists has expanded, along with career opportunities. In as little as two semesters, you can have the education and training you need to:

- improve your skills and versatility as a diagnostic technologist,
- fulfill your professional continuing education requirements, and
- gain college credit hours to help you become registry eligible - Once a certificate is awarded the credits earned cannot be counted towards FHSU's Bachelor of Science in Medical Diagnostic Imaging.

FHSU's Department of Allied Health is pleased to offer radiologic technologists certificates in several modalities of advanced imaging.

Certificate in Cardiovascular Interventional Technology (CVIT)

A total of 10 hours from…

Code	Course Title	Credits
	Advanced CVIT	4
	Advanced Patient Care	2
	CVIT Pathology and Case Review	4

Certificate in Computed Tomography

A total of 16 hours from…

Code	Course Title	Credits
	Cross Sectional Anatomy: Normal	4
	CT Physics and Instrumentation	4
	Sectional Pathology & Variant Anatomy	4
	CT Procedures	4

Certificate in Magnetic Resonance Imaging (MRI)

A total of 12 hours from…

Code	Course Title	Credits
	Cross Sectional Anatomy: Normal	4
	Sectional Pathology & Variant Anatomy	4
	MRI Physics and Instrumentation	4

Certificate in Women's Imaging

A total of 8 hours from…

Code	Course Title	Credits
	Principles of Bone Densitometry	2
	Mammography for Rad Technologists	4
	Advanced Mammography…	2

Course Listing - Allied Health

Radiologic Technology/Medical Diagnostic Imaging Undergraduate Credit

250 Principles of Medical Imaging (2) The course presents the student with fundamental concepts of medical imaging. These concepts begin with a history of healthcare and radiology. The course outlines prerequisite classes and programs offered in the Allied Health Department. The content encompasses essential patient care, radiological procedure, exposure, and radiation safety and protection theories. The significance of professional development will be discussed and the distinctive characteristics of additional modalities will be examined.

260 Orientation to Radiologic Techniques (1) The hospital environment and its terminology, with particular reference to radiology. Requisites: PERM.

261 Radiologic Safety (1) Measures for assurance of protection for patients, technologists, and students from ionizing radiation during radiologic procedures. Requisites: PERM.

262 Radiographic Procedures I (2) This course provides the students with knowledge and cognitive skills underlying the performance of major tasks required of a radiologic technologist employed within the Radiology field. Prerequisite: PERM; Co-requisite: 262L

262L Radiographic Procedures I Laboratory (1) Students shall study, practice and perform patient care, patient communication, exam positioning, operation and manipulation of radiographic equipment, and identification of anatomical structures on radiographic images. Prerequisites: PERM; Co-requisite: MDI 262.

263 Radiographic Procedures II (3) A continuation of the methods and procedures required to obtain a quality radiographic examination. Students shall study and practice patient positioning, operation and manipulation of radiographic equipment, and identification of anatomical structures on radiographic images for the areas of upper extremity, lower extremity, shoulder girdle and pelvic girdle. Prerequisite: MDI 262, 262L: PERM. Co-requisite: MDI 263L.

263L Radiographic Procedures II Laboratory (2) Students shall study, practice and perform patient care, patient communications, exam positioning, operation and manipulation of radiographic equipment, and identification of anatomical structures on radiographic images. Students will concentrate on imaging areas of upper and lower extremity, shoulder girdle, and pelvic girdle. Prerequisites: MDI 262, 262L; PERM: Co-requisite: MDI 263.

264 Radiographic Procedures III (2) A continuation of the methods and procedures required to obtain a quality radiographic examination. Students shall study and practice patient positioning, operation and manipulation of radiographic equipment, and identification of anatomical structures on radiographic images for the areas of spine, trauma spine, headwork, and upper and lower gastrointestinal tract.PR: 262, 262L, 263, 263L; Co-req 264L; PERM

264L Radiographic Procedures III Laboratory (2) Methods and procedures of positioning required to obtain a quality x-ray. Requisites: PERM; co-requisite, MDI 264.

265 Patient Care in Medical Imaging I (1) This course provides the student with an introduction to medical imaging patient care concepts. Upon completion of this course the student will have knowledge of the healthcare delivery system, age specific care and communication, cultural diversity in healthcare, obtaining a medical history, charting medical information, medical asepsis, and infection control concepts.

266 Patient Care in Medical Imaging II (1) This course provides the student with an introduction to medical imaging patient care concepts. Upon completion of this course the student will have knowledge of responding to patient needs, patient assessment and assistance, basic vital signs, dealing with acute situations, special considerations for bedside imaging, venipuncture, and medication administration. Pre-requisites: MDI 265, PERM.

300 Radio-biology (2) Effects of ionizing radiations on or in living matter. Basic concepts and technical theory of matter and energy. Requisites: PERM.

350 Anatomy for MDI Professionals (3) The course presents students with the study of human anatomy and its functions. It will explore how various anatomic structures are best visualized utilizing specific imaging modalities: including but not limited to Computed Tomography, Magnetic Resonance Imaging, Diagnostic Medical Sonography, Cardiovascular Interventional Radiography, or Conventional Radiography. This course is designed to build a stronger foundation of anatomical structure and function in preparation for advanced imaging coursework and clinical application.

363 Principles of Radiographic Exposure I (1) The course will give the student a foundation for Medical Diagnostic Imaging by building a framework of information regarding creation of a diagnostic x-ray beam. The course will include discussions on atomic theory, requirements for x-ray production, x-ray properties, and necessary units of measurement.

364 Principles of Radiographic Exposure II (2) The basic and advanced techniques that produce a quality x-ray. Requisites: PERM.

365 Special Procedures in Radiology (1) This course will discuss concepts of special diagnostic imaging to include anatomy, techniques, and procedures. The course will include diverse subject matter that will help prepare the student for their radiology clinical rotation.

366 Advanced Techniques in Radiology (1) Advanced procedures in radiology including nuclear medicine, equipment maintenance, radiation therapy, and departmental administration. Requisites: PERM.

367 Clinical Experience + (2-8) The ten areas that constitute the radiologic department. Students will rotate through each specific area in the clinical setting. Requisites: PERM.

368 Seminar in Radiology + (1-3) Advanced radiologic procedures in preparation for the registry examination. Requisites: PERM.

369 Radiographic Topics (1-6) Topics not covered in regular offerings including pediatric radiography, portable radiography, special radiographic patient care. Requisites: PERM.

370 Imaging and Automatic Processing (2) Radiographic film processing, automation, and quality control involving automatic film processing: subtraction, solarization, and duplication. Requisites: PERM.

371 Radiographic Film Critique (1) Radiographic films performed by students are evaluated by the instructor and student to assess radiographic quality. Requisites: PERM.

372 Applied Biophysics in Radiology (2) Application of basic theories, concepts, and laws of atomic physics, magnetism, sound, and electricity applied to uses in the medical areas of radiology, x-ray, computerized axial tomography, (CT) scanning, nuclear medicine, and ultrasound technologies. Requisites: PR, PERM.

373 Radiologic Pathology (1) Selected pathologic and anomalous conditions that can be demonstrated diagnostically by radiographic films. Requisites: PERM.

375 Computer Applications in Medical Radiology (2) A study of the theory and application of dedicated computer systems that are used in imaging biological materials for purposes of medical diagnostics. Requisites: PERM.

410 Cross-Sectional Anatomy: Normal (4) The course is designed to provide students in the diagnostic imaging sciences an advanced understanding of three dimensional structure relationships of normal anatomy. Medical images of visceral anatomy of the head, neck, thorax, abdomen, pelvis, spine, and joints will be presented in transverse, oblique, coronal, and sagittal orientations. Requisites: PR, PERM.

411 Sectional Pathology and Variant Anatomy (4) This course is designed to give students a basic understanding of sectional pathology requisite to competently perform computed tomography and magnetic resonance imaging procedures. To enable the students to create optimal diagnostic images, this course provides the students with the ability to identify normal human anatomical

structures in sectional images, and the ability to distinguish common pathological processes and variant anatomy. Requisites: PR, PERM.

412 Computed Tomography Procedures (4) This course will teach students the basic protocols for examinations performed on a multi-slice CT scanner. Students will learn how to recognize pathology and medical situations and to adapt protocols accordingly. Requisites: PR, PERM.

413 Computed Tomography Physics and Instrumentation (4) Designed to teach the theory and operation of computed tomography equipment, accessories, and image production techniques. Students will benefit from observations and demonstrations of selected computed tomography instruments. Requisites: PR, PERM.

414 Medical Imaging Clinical Preceptorship + (1-8) Supervised clinical experience in an affiliate medical diagnostic imaging department. Students will operate medical imaging equipment, process images, and perform computerized diagnostic examination procedures on patients. This clinical experience continues until the student attains all required levels of proficiency. Students will be required to purchase liability and health insurance. Requisites: PERM.

415 Ultrasound Physics and OB/GYN Procedures (4) Designed to emphasize the physics of ultrasound and scanning techniques for optimal visualization in OB/GYN and pelvic medical diagnostic ultrasound examinations. Primary emphasis will be on pelvic and fetal ultrasound practices. Requisites: PERM.

415L Ultrasound Physics and OB/GYN Procedures Lab (2) A laboratory course designed for identification of appropriate obstetrical/gynecological anatomy during routine ultrasound procedures utilizing the fundamental principles of physics and instrumentation of diagnostic ultrasound equipment. Requisites: PR, BIOL 230 and BIOL 232 or equivalent; MDI 415 or concurrent enrollment; PERM.

416 Ultrasound Physics and Abdominal Procedures (4) Designed to emphasize the physics of ultrasound and scanning techniques for abdominal medical diagnostic ultrasound examinations. Primary emphasis will be on liver, gallbladder, abdominal vasculature, and kidney ultrasound practices. Requisites: PERM.

416L Ultrasound Physics and Abdominal Procedures Laboratory (2) A laboratory course designed for identification of appropriate abdominal anatomy during routine abdominal ultrasound procedures utilizing the fundamental principles of physics and instrumentation of diagnostic ultrasound equipment. Requisites: PR, BIOL 230 and BIOL 232 or equivalent; MDI 416 or concurrent enrollment; PERM.

417 MRI Physics and Instrumentation (4) The course will provide instruction in basic physical and technical concepts, image procedures, quality control, and issues related to patient comfort and safety. Requisites: PERM.

418 Cardiovascular-Interventional Technology (4) Designed to emphasize the techniques and operation of interventional procedures, equipment, accessories, image enhancement techniques, and issues related to patient care and management. Requisites: PERM.

419 Mammography for Radiologic Technologists (4) This course provides the students with knowledge and cognitive skills underlying the performance of the major tasks typically required of a technologist employed in the specialized field of mammography. This course is designed to cover the major content areas according to the ARRT mammography certification specifications and fulfill the MQSA initial training requirements. Requisites: PERM.

420 Leadership and Management of Radiology (3) The course will emphasize the administrative role in a Medical Imaging department. It will explore, but is not limited to, leadership styles, development and importance of teams, employee motivation and turnover, quality improvement principles, medico legal concerns, strategic planning and marketing. This course is designed to provide a strong foundation regarding the duties and responsibilities of an effective Medical Imaging administrator. Requisite: PR, PERM.

422 Advanced Patient Care for Imaging Professionals (2) The student will acquire an advanced overview of patient care concepts in the medical imaging department. Upon completion of the course, the student will have knowledge of assessing patients during routine and emergency imaging procedures. The assessment will aid the student in determining a patient's overall condition and determining when corrective action is warranted. Requisites: PERM

423 Bone Densitometry Techniques (2) This course presents the student with the foundation and the current status of bone densitometry techniques in the radiologic science field. Included is the history of bone densitometry, technology involved, scanning protocols, the disease processes associated with bone densitometry, and the technologist's role in bone densitometry.

424 Advanced Mammography (2) This course is designed to expand the cognitive skills of technologists in the mammography field to include a greater knowledge of the different imaging procedures used to detect breast cancer and breast diseases. Students will explore the technology and techniques involved in interventional procedures, including stereotactic breast biopsy, and additional modalities used in breast imaging. Requisites: PR, PERM and MDI 419.

425 Digital Mammography (2) This course will give students the basic physics concepts behind the production of a digital mammography unit, the benefits of digital mammography over film/screen mammography, a general overview of quality control procedures with digital mammography, how the image is processed, and some advanced applications related to digital mammography. Requisites: PR, MDI 419.

426 Advanced CIT (4) The student will acquire an advanced overview of angiographic procedures in an interventional laboratory department. Upon completion of the course, the student will have knowledge of assisting physicians during angiographic imaging procedures. Requisite: PR, MDI 418 or PERM.

427 CVIT Pathology and Case Review (4) This course emphasizes the appearance of pathological and/or variant anatomy as visualized in an angiographic procedure. Select case studies of pathologies will be reviewed. PR: MDI 418 or MDI 426; PERM.

428 Principles of Diagnostic Medical Sonography (4) The course is designed to emphasize fundamental principles of diagnostic medical ultrasound. The student will learn basic physics of ultrasound and instrumentation of ultrasound equipment for optimal visualization in medical diagnostic ultrasound examinations. Protocols for abdominal, obstetrical/gynecological, vascular and superficial structures will be discussed. Common pathological patterns of the various organs and systems will be discussed and related to the sonographic appearance, physiologic changes, and laboratory findings. Requisites: PERM.

429 Digital Radiography (2) This course presents the students with a comprehensive coverage of the physical principles of digital radiography imaging systems and associated topics such as digital fluoroscopy and quality control. Included in this course are the historical developments of digital radiography imaging systems, the physical principles and technological aspects of digital radiography imaging systems, digital imaging processing fundamentals, and the effective use of digital radiography in clinical practice.

430 PACS Administration (2) The course explores Picture Archiving and Communication Systems (PACS) and associated concepts. It will present the skills and knowledge necessary for the successful planning, implementation, and maintenance of a PACS. Clinical workflow, user training, and regulatory compliance will also be examined.

431 Magnetic Resonance Imaging Procedures (4) This course is designed to teach students diagnostic magnetic resonance imaging procedures. Students will learn methods and procedures required to obtain quality MRI examinations including patient communication, exam positioning, and operation and manipulation of MRI equipment. Requisites: PR, PERM.

432 Managing Change in Healthcare (4) Students will learn the skills necessary to excel in the changing healthcare field as contemporary leaders.

440 Medical Imaging Preceptorship: Mammography (1-4) Mammography experience under the direct supervision of an affiliate Mammography department. Students will build proficiency while completing the ARRT Mammography clinical requirements for certification. Students will perform Mammography examinations on patients in accordance to the procedures and protocol of the specific clinical site.
This experience will continue until the student attains all required levels of proficiency and completion of all ARRT clinical components. Requisite: PR, PERM.

441 Medical Imaging Preceptorship: Leadership & Management (1-4) The preceptorship is to provide the student with a hands-on experience of an administrative role. The student should gain knowledge regarding organizational development, organizational structure, CQI efforts, and employee management. Requisite: PR, PERM.

442 Medical Imaging Preceptorship: PACS (1-4)
The preceptorship is to provide the student with a hands-on experience of a PACS administrator. The student should gain knowledge regarding successful planning, implementation, and maintenance of a PACS as well as expand knowledge of clinical workflows and user training. Requisite: PR, PERM.

443 Medical Imaging Preceptorship: Computed Tomography (CT) (1-8) The course is based on the application of theory learned in the CT Physics and Instrumentation course. The student will progress from observing the CT technologist(s) to assisting with the examinations, and finally to completing the CT examinations. Throughout the duration of the preceptorship, the student will proficiently apply the physical and technical concepts of CT into daily practice, monitor and preform quality control issues, and provide a superior standard of patient care, safety, and comfort. Critical thinking and problem-solving skills are emphasized throughout the duration of the clinical preceptorship to gain a practical understanding of Computed Tomography. Requisite: PR, PERM.

445 Medical Imaging Preceptorship: Cardiovascular Interventional Technology (1-8) The course is based on application of theory learned in the CVIT and Advanced Patient Care courses. The student will progress from observing the technologist to assisting with the examinations and finally to completing the interventional examinations. The student will proficiently apply the physical and technical concepts, quality control issues, and issues related to patient comfort and safety throughout the preceptorship. Critical thinking and problem-solving skills are emphasized throughout the duration of the clinical preceptorship, to gain a practical understanding of working in a CVIT department. Requisite: PR, PERM.

472 Problems in Medical Diagnostic Imaging + (1-5)
Individual study of a non-research problems.
Requisites: PR, PERM .

482 Readings in Medical Diagnostic Imaging + (1-3)
Readings and written reports on special topics in medical diagnostic imaging. Requisites: PR, PERM.

Diagnostic Medical Sonography (DMS) Courses

400 Diagnostic Medical Sonography I (1) The course will emphasize the foundation and evolution of sonography and the role of the diagnostic medical sonographer. Students will learn the foundations of communication, medical techniques, patient care and clinical assessment of sonographic procedures to enhance problem solving skills in the ultrasound imaging environment. Requisites: PR, PERM.

401 Diagnostic Medical Sonography II (1) The course will continue to emphasize patient care techniques and student awareness of professional, ethical and legal issues to expand upon the role of the diagnostic medical sonographer. Ethics, professionalism, legal essentials, ergonomics, prevention of work-related injury, medial emergency, infection control, invasive procedures and surgical asepsis will be emphasized to assist the student with critical thinking skills in the ultrasound imaging environment. The student will analyze these components with review of the FHSU DMS Clinical Handbook. Requisites: PR, PERM.

402 Ultrasound Physics and Instrumentation I (2) The course is designed to emphasize the physical principles of ultrasound and instrumentation of ultrasound equipment for optimal visualization in diagnostic medical sonography examinations.
Requisites: PR, PERM.

403 Ultrasound Physics and Instrumentation II (2) The course continues to emphasize the physical principles of ultrasound and instrumentation of ultrasound equipment for optimal visualization in medical diagnostic ultrasound examinations. Requisites: PR, PERM.

404 Abdominal Ultrasound Procedures I (2) The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in abdominal diagnostic medical sonography examinations. Primary emphasis will be the role of ultrasound in evaluation of the abdominal vasculature, biliary tree, pancreas, and thyroid. Pathological patterns of these various systems will be discussed and related to the sonographic appearance, physiologic changes, and laboratory findings. Requisites: PR, PERM.

405 Abdominal Ultrasound Procedures II (2) The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in abdominal diagnostic medical sonography examinations. Primary emphasis will be the role of ultrasound in evaluation of the abdominal organs including the liver, spleen, urinary tract, scrotum and ultraosund guided procedures. Pathological patterns of these various systems will be discussed and related to the sonographic appearance, physiologic changes, and laboratory findings. Requisites: PR, PERM.

406 Obstetric/Gynecology Ultrasound Procedures I (2)
The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in obstetric/gynecologic medical diagnostic ultrasound examinations. Primary emphasis will be the role of ultrasound in the evaluation of the non-gravid female pelvis to include normal sonographic appearance, physiologic changes, laboratory findings, and pathological processes of the uterus and adnexa. Additional material will include menstrual physiology, hormonal influences, early embryonic development, ethical considerations of obstetric ultrasound, and sonographic evaluation of the normal and abnormal first trimester. Requisites: PR, PERM.

407 Obstetric/Gynecology Ultrasound Procedures I (2)
The course continues to emphasize the physics and instrumentation of ultrasound for optimal visualization in obstetric/gynecologic medical diagnostic ultrasound examinations. Application of ultrasound in the evaluation of the non-gravid female pelvis to compare normal sonographic appearance and physiology to pathological processes of the uterus and adnexa. Primary emphasis will be the role of ultrasound in the evaluation of the first, second, and third trimesters of pregnancy, screening for genetic fetal anomalies, multiple gestations, maternal disorders, abnormalities associated with fetal growth, and complications associated with delivery. Requisites: PR, PERM.

408 Vascular Ultrasound Procedures I (2) The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in vascular diagnostic medical sonography examinations. Primary emphasis will include the hemodynamics, color flow, and Doppler spectral analysis of the abdominal, lower extremity venous and lower extremity arterial vasculature. Additional vascular applications will include Doppler instruments and indirect testing methods.
Requisites: PR, PERM.

409 Vascular Ultrasound Procedures II (2) The course continues to emphasize the physics and instrumentation of ultrasound for optimal visualization in vascular medical diagnostic ultrasound examinations. Primary emphasis will in include the hemodynamics, color flow, and Doppler spectral analysis of the upper extremity venous and arterial vasculature, carotid, vertebral and transcranial vasculature, and selective abdominal vasculature. Additional vascular applications will include Doppler instruments and indirect testing methods.
Requisites: PR, PERM.

410 General Ultrasound Procedures I Laboratory (2)
A laboratory course designed for identification of appropriate anatomy during routine obstetrical/gynecological and abdominal ultrasound procedures utilizing the fundamental principles of physics and instrumentation of diagnostic ultrasound equipment. Requisites: PR, PERM.

411 General Ultrasound Procedures II Laboratory (2)
A laboratory course designed to continue identification of appropriate anatomy during routine obstetrical/gynecological and abdominal ultrasound procedures utilizing the fundamental principles of physics and instrumentation of diagnostic ultrasound equipment. Requisites: PR, PERM.

412 Vascular Ultrasound Procedures I Laboratory (2)
A laboratory course designed for identification of appropriate vascular anatomy during routine vascular ultrasound procedures utilizing the fundamental principles of physics and instrumentation of diagnostic ultrasound equipment.
Requisites: PR, PERM.

413 Vascular Ultrasound Procedures II Laboratory (2)
A laboratory course designed to continue identification of appropriate vascular anatomy during routine vascular ultrasound procedures utilizing the fundamental principles of physics and instrumentation of diagnostic ultrasound equipment. Requisites: PR, PERM.

414 Breast Ultrasound Procedures (2) The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in medical diagnostic ultrasound examinations of the breast. Primary emphasis will include the normal anatomy of the female and male breast, the normal physiology of the breast tissue, clinical evaluation of patients for breast imaging, historical overview of breast imaging, ACR BI-RADS classifications of mammographic masses, normal sonographic evaluation of the breast, and sonographic evaluation of breast masses. Additional diagnostic imaging procedures will include Doppler and Color Doppler applications, breast implant imaging, and the role of ultrasound in diagnostic and interventional procedures in the breast. Requisites: PR, PERM.

415 Neurosonography (1) The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in neurologic diagnostic medical sonography examinations. Primary emphasis will be the role of ultrasound in the evaluation of neonate and infant brain. Pathological patterns of the various brain structures and developmental stages will be discussed and related to the sonographic appearance, physiologic changes, and laboratory findings. Requisites: PR, PERM.

416 Superficial Ultrasound Procedures (1) The course is designed to emphasize the physics and instrumentation of ultrasound for optimal visualization in superficial medical diagnostic ultrasound examinations. Primary emphasis will be the role of ultrasound in evaluation of the thyroid/parathyroid, scrotum, prostate, and other non-routine examinations. Pathological patterns of the various organs and systems will be discussed and related to the sonographic appearance, physiologic changes, and laboratory findings. Requisites: PR, PERM.

417 Clinical Sonography I (2) The course will focus on advanced applications relative to physics and instrumentation in sonographic medical imaging. Students will review ultrasound physical principles to develop systematic methods for application of proper instrumentation within general and vascular ultrasound procedures within a clinical environment and for preparation for the national registry physics and instrumentation examination offered through the American Registry of Diagnostic Medical Sonography. Requisites: PR, PERM.

418 Clinical Sonography II (2) The course will provide continued emphasis of advanced sonographic applications. Students will review ultrasound principles to develop systematic methods for application of proper instrumentation within general and vascular ultrasound procedures within a clinical environment. Ultrasound procedures to be emphasized will include the abdominal cavity, abdominal vasculature and Doppler, urinary system, pancreas, genetic testing procedures, chromosomal abnormalities, amniotic fluid and membranes, nuchal translucency and fold, cervix, placenta, umbilical cord and Doppler, fetal central nervous system, face, neck, thorax, and abdominal wall, and vascular indirect testing methods. Requisites: PR, PERM.

419 Clinical Sonography III (2) The course will provide continued emphasis of advanced sonographic applications. Students will review ultrasound principles to develop systematic methods for application of proper instrumentation within general and vascular ultrasound procedures within a clinical environment. Ultrasound procedures to be emphasized will include the pancreas, gallbladder/biliary ducts, liver, spleen, fetal thorax, heart, abdomen, abdominal wall, genitourinary, skeletal, and multiple gestations, upper and lower extremity venous and arterial, and hemodialysis access. Additional focus will include both arterial and venous hemodynamics and indirect testing methods within vascular procedures to include transcranial Doppler. Requisites: PR, PERM.

420 Advanced Ultrasound Seminar (2) The course is designed to provide students the opportunity to review all program curriculum for the abdominal, obstetric/gynecologic, and vascular technology specialty areas in preparation for the national registry examinations offered through the American Registry of Diagnostic Medical Sonography. Review activities and group discussions will help clarify difficult concepts. Students will review the examination content outlines for all specialty area examinations. Mock registry examinations will be assigned. Additional emphasis will include test taking strategies, continuing education requirements and life-long learning strategies, and development of strategies for implementing change within the DMS environment.

430 DMS Clinical Experience (1-8) The course will provide the student the opportunity to apply abdominal, obstetrical/gynecologic, and vascular ultrasound principles within the clinical environment. The student will be expected to observe, assist, and perform ultrasound procedures under direct supervision of a registered diagnostic medical sonographer utilizing appropriate physics and instrumentation principles.

450 Echocardiography I (2) The course is designed to emphasize fundamental principles of diagnostic cardiac sonography. The student will learn basic cardiovascular anatomy and physiology along with the general protocol for transthoracic echocardiograms. Components of the cardiac cycle will be defined along with understanding the different modes of echocardiography, to include M-mode, 2-dimensional echocardiography, color flow Doppler, and spectral Doppler.

451 Echocardiography II (2) The course is designed to emphasize additional cardiac imaging modalities, understanding the fundamentals of transesophageal echocardiography, stress echocardiography, and cardiac catheterization. The student will gain an understanding of the basic embryology of the heart through the 7th week of fetal development and understand components of fetal circulation. Congenital heart defects will be defined along with the hemodynamic effects on the cardiovascular system.

452 Cardiac Pathophysiology I (2) The course is designed to emphasize cardiac pathologies involving valvular disease, myocarditis, and pericarditis, as well as prosthetic valves. The student will gain an understanding of the hemodynamic effects these pathologies place on the heart and the associated sonographic findings. They will also be able to differentiate between mechanical and bioprosthetic heart valves, and understand the associated complications.

453 Cardiac Pathophysiology II (2) The course is designed to emphasize cardiac pathologies involving ischemic heart disease, heart failure, cardiomyopathies, cardio neoplasms and disease of the aorta. The student will gain an understanding of the hemodynamic effects these particular pathologies place on the heart, the associated sonographic findings and understand the related complications.

454 Cardiac Case Review (1) The course is designed to provide the student the opportunity for profession growth and development within echocardiography,. Each student is required to develop and submit a case report over a cardiac pathology for potential publication within a peer-reviewed professional journal. Each student will also be responsible for reviewing and evaluating fellow student submissions establishing an understanding and the importance of continuing education.

460 DCS Clinical Experience (1-8) The course will provide the student the opportunity to apply echocardiography principles within the clinical environment. The student will be expected to observe, assist, and perform adult cardiac procedures under direct supervision of a registered diagnostic cardiac sonographer utilizing appropriate physics and instrumentation principles.

+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Communication Sciences and Disorders

The Department of Communication Sciences and Disorders offers an undergraduate degree in communication sciences and disorders (CSD) and a graduate degree in speech-language pathology (SLP), a degree that leads to a rewarding career. As a speech-language pathologist, you can give back to the community by helping individuals of all ages who experience communication delays and disorders. As a student in the Department of Communication Sciences and Disorders, you will:

- Begin your professional career from your very first semester on campus, giving you early insight into the major, the profession and whether SLP is the right fit for you.
- Gain lots of practical, real-world experience with actual clients - even as an undergraduate - through the state-of-the-art Herndon Clinic.
- Join the National Student Speech-Language-Hearing Association (NSSHLA) and be involved in the organization's activities on campus and in the community.
- Work closely with faculty in courses, labs and clinical experiences. Graduate students are involved in research under the direction of one of the faculty members.
- Enjoy small classes and learning alongside a supportive and close-knit group of students.

For more information on the department, feel free to explore the department's web site, or contact us for more information.

Undergraduate Degrees

Bachelor of Science in Communication Sciences and Disorders

Graduate Degrees

Master of Science: Speech-Language Pathology

Certificates

Mission Statement

The department provides a quality academic and clinical ***educational*** program in an environment that ***embraces diversity and effective performance*** with the goal of preparing students to meet current professional standards. These activities will allow the department to serve as the resource for communication disorders throughout western Kansas.

Vision Statement

The Department of Communication Disorders will be recognized as a dynamic regional leader ***in communication sciences and disorders.***

Department of Communication Sciences & Disorders Faculty & Staff

Chair: Karmen Porter
Professors:
Associate Professors: Carol Ellis
Assistant Professors: Karmen Porter, Qiang Li, Yan Ma
Instructors: Blake Roth
Clinical Faculty: Marcy Beougher, Kiedra Hickert, Jacque Jacobs, Tara Marshall, Amy Sterling, Stephanie Tiernan
Department Staff: Pamela Hertzog, *Clinical Senior Administrative Assistant;* Falynn Rogers, *Administrative Specialist*
Emeriti Faculty: Marcia L. Bannister, C. Frederick Britten, Amy Finch, Marla Staab

See department page online for full listing

Bachelor of Science: Communication Sciences and Disorders

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
PHYS 102 Physical Science	3
MATH 250 Elements of Statistics	3
One Laboratory	1
Social and Behavioral Sciences (three electives)	
PSY 100 General Psychology	3
Two Electives	6
Upper-Division Integrative Course	3

Core Curriculum

A total of 21 hours from…

Code	Course Title	Credits
SLP 160	Intro to Communication Disorders	3
SLP 303	Speech and Hearing Science	2
SLP 305	Anatomy and Physiology: Speech and Hearing Mechanism	3
SLP 370	Early Speech and Language Development	3
SLP 402	Clinical Phonetics	3
SLP 464	Audiology	4
SLP 612	Principles of Intervention for Speech….	3

Cognates

A total of 6 hours from…

Code	Course Title	Credits
TEEL 231	Human Growth and Development ***OR***	
PSY 400	Child and Developmental Psychology	3
TESP 302	Educating Exceptional Students	3

Speech-Language Electives

Choose a minimum of 9 hours from the following:

Code	Course Title	Credits
SLP 140	Communication Disorders in Society	1
SLP 320	Basic Sign Language	3
SLP 340	Language Science	3
SLP 371	Early Speech and Language Analysis	1
SLP 414	Independent Study in Comm Disorders	1-3
SLP 420	Advanced Sign Language	3
SLP 440	Characteristics of Autism Spectrum…	3
SLP 450	Autism Spectrum Disorders: Social Comm.	3
SLP 470	Later Language Development	3
SLP 471	School-Age Speech and Language Analysis	1
SLP 610	Principles of Evaluation & Assessment	3
SLP 615	Introduction to Clinical Procedures	2
SLP 617	Clinical Procedures in Public Schools	2
SLP 663	Managing Hearing Loss in Children & Adults	3
SLP 665	Communication and Aging	2
BIOL 245	Medical Terminology	2

Free Electives

Free Electives	29

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Master of Science: Speech-Language Pathology

Core Curriculum
A total of 46 hours from…

Code	Course Title	Hours
SLP 809	Education Externship	6
SLP 810	Professional Issues in SLP	2
SLP 811	Medical Externship	6
SLP 812	Clinical Collaboration in Speech—Language Pathology	2
SLP 813	Assessment and Intervention in Diverse Populations	2
SLP 817	Research in Comm. Sciences and Disorders	3
SLP 820	Research Development	1
SLP 822	Applied Research Experience	2
SLP 834	Dysphagia	2
SLP 835	Augmentative-Alternative Communication	2
SLP 836	Advanced Audiology for the SLP	2
SLP 840	Speech Sound Disorders	2
SLP 855	Fluency Disorders	2
SLP 856	Voice and Motor Speech Disorders	3
SLP 862	Language Disorders: Early Language	2
SLP 863	Language Disorders: Later Language	2
SLP 889	Neuroanatomy	2
SLP 890	Cognitive Linguistic Communication Disorders	3

* The SLP 817: Research in Communication Sciences and Disorders is a required course of the FHSU Graduate School. Students have concurrent enrollment in SLP 820: Research Development and then are enrolled in SLP 822: Applied Research Experience or in SLP 899: Thesis in Speech-Language Pathology.

The Master of Science degree in Speech-Language Pathology at FHSU is accredited by the Council on Academic Accreditation in Audiology and Speech-Language Pathology (CAA) of the American Speech-Language-Hearing -Association, 2200 Research Boulevard #310, Rockville, Maryland 20850, 800-498-2071 or 301-296-5700. If you are interested in reviewing the requirements for Graduate School at FHSU, please visit the Graduate School.

Course Listing - Communication Sciences and Disorders

Speech-Language Pathology

Undergraduate Credit

140 Communication Disorders in Society (1) This course explores communication disorders as they are presented in society. Specific types of communication disorders will be reviewed with an emphasis on known characteristics of these disorders and how these characteristics may or may not be portrayed in society. The media and literature play an important role on how the general public perceives individuals who present with communication disorders.

160 Introduction to Communication Disorders (3) The basic course covering speech-language-hearing disorders and intervention methods.

303 Physics of Sound (2) Course covering the acoustics and psychoacoustics of sound, phonation, and resonance related to speech and hearing.

305 Anatomy and Physiology: Speech-Hearing Mechanism (3) Study of the anatomy and physiology of the speech and hearing mechanism.

318 Accent Modification for International Speakers (2) This course provides instruction for the non-native speaker of American English wanting to improve pronunciation and Intelligibility. The class involves lecture, oral exercises, and small group practice. This course is not for the student who is beginning to study English and does not guarantee a passing score on the Speaking Proficiency English Assessment Kit (SPEAK) or the Test of Spoken English (TSE).

318L Accent Modification for International Speakers Lab (1) The lab allows for individualized instruction and practice. The lab is a one-on-one or small group experience outside of the class scheduled time. This course is not for the student who is beginning to study English and does not guarantee a passing score on the Speaking Proficiency English Assessment Kit (SPEAK) or the Test of Spoken English (TSE).

320 Basic Sign Language (3) An introductory course in American Sign Language. The course will serve to teach basic sign language for the purpose of communicating with deaf individuals.

340 Language Science (3) This course provides majors in Communication Disorders basic knowledge of morphology and syntax to prepare them to analyze spoken and written language.

370 Early Speech and Language Development (3) Study of the development of the communication process from birth through the preschool years with emphasis on the milestones in the child's development of the phonologic, morphologic, syntactic, semantic, and pragmatic systems. Relationships of cognitive and social skills as well as theories of development will be examined.

371 Early Speech and Language Analysis (1) Application of research-based methods to evaluate the nonverbal and verbal language skills of typically developing children through the preschool years (i.e., morphology, syntax, semantics and pragmatics). Requisites: PR, SLP 370.

402 Clinical Phonetics (3) Study of the perception and production of speech sounds. Deals with phonetics as it applies to speech disorders.

414 Independent Study in Communication Disorders + (1-3) Students may complete readings, investigate problems, or complete research projects in the area of communication disorders. Requisites: PERM of instructor.

420 Advanced Sign Language (3) This course will help individuals communicate with deaf individuals on an intermediate level. It serves to expand the understanding of language through an alternate form of communication. Requisites: PR, SLP 320.

425 Principles of Intervention Speech and Language Disorders (3) Study of intervention principles and strategies for persons with speech and language disorders across the lifespan.

426 Introduction to Clinical Procedures (2) Covers basic clinical application of evaluation and intervention procedures in various settings. Students enroll concurrently in clinical practicum. Requisites: PR, SLP 412.

426L Clinical Practicum + (1) Students are to provide clinical services under staff supervision in settings with preschoolers, school-age children, and adults. Regular planning and evaluation sessions must be scheduled with clinical supervisors. Requisites: PR, PERM.

440 Characteristics of Autism Spectrum Disorders (3) The student will identify and briefly describe the general characteristics of autism spectrum disorders and the specific characteristics that may help in making a differential diagnosis among the disorders that compose the spectrum of disorders in this classification system. In addition, students will identify assessment and intervention programs appropriate for children diagnosis as presenting ASD.

450 Autism Spectrum Disorders: Social — Communication (3) The student will learn to identify the characteristics of individuals who present autism spectrum disorder and social communication issues presented by these individuals. The student will describe and analyze current assessment and intervention practices in the areas of social communication appropriate for individuals with autism spectrum disorder. This course includes group discussions, in-class applied activities, and the development of tools to be utilized during clinical practice.

464 Audiology (4) Study of pure-tone audiometry, speech audiometry, and masking. Surveys auditory pathologies and their differential diagnosis. Lab included. Requisites: PR, SLP 303, SLP 305, or equivalent, or PERM.

470 Later Language Development (3) Study of typical language acquisition and development in school-age children and adolescents including research and theory related to later language development in the areas of morphology, syntax semantics, and pragmatics. Will include discussion of the relationship between reading, writing and language; as well as other variables influencing later language acquisition and learning. Requisites: PR, SLP 370 or PERM.

471 School-Age Speech and Language Analysis (1) Training in the acquisition, transcription, and analysis of speech and language skills for school-age students. Requisites: PR, SLP 370; CR, SLP 470.

Speech-Language Pathology

Undergraduate/Graduate Credit

610 Principles of Evaluation and Assessment (3) Principles and methods for diagnosis and appraisal of speech-language disorders with an emphasis on the psychometric properties of standardized tests.

617 Clinical Procedures in Public Schools (2) Study of current issues and procedures relevant to the clinical practice of speech-language pathology within the public schools of the state and nation. Requisites: PR; PERM

663 Managing Hearing Loss in Children and Adults (3) Study of theories and methods for hearing habilitation/ rehabilitation including amplification, speech reading, auditory training, hearing aid orientation, and speech and voice conservation for infants through geriatrics. Requisites: PERM.

664 Hearing Loss in Older Adults (2) This course is intended to provide an overview of hearing loss in older adults. An explanation of causes of hearing loss in this population and communication strategies to use will be discussed. It may be used as an elective within the SLP undergraduate major or an elective in the SLP graduate program, but will not replace SLP 857. Requisites: PR, junior standing or PERM.

665 Communication and Aging (2) Course designed to present the effects of the normal aging process on communication skills of older adults. Facilitation techniques enhancing communication exchanges among family members and other professionals working with older adults will be stressed. Requisites: PR, Junior Standing,, Senior Standing or PERM.

668 Basic Audiology for Health-Related Professions (2) Course designed for health, allied health, and education professionals interested in the basic function and dysfunction of the auditory mechanism. Not intended for majors in speech-language pathology.

672 Problems in Speech-Language Pathology + (1-5) Individual study of a non-research problem. Requisites: PERM of academic area advisor.

682 Readings in Speech-Language Pathology + (1-3) Readings and written reports on special topics in speech-language pathology. Requisites: PERM.

Speech-Language Pathology

Graduate Credit

801 Graduate Practicum I (1-3) This practicum represents the first semester of enrollment for graduate students. Students will learn the clinical processes involved in the clinical management of cases (Code of Ethics, Clinic Handbook, etc.). Since this is the first clinical enrollment for graduate students, supervision of clinical services will be closely supervised and may require 100% supervision, which will be adjusted according to the needs of the student and the client(s) being served. Requisite: Graduate standing.

802 Graduate Practicum II (1-3) This practicum represents the second semester of enrollment for graduate students. Students will be expected to demonstrate the skills from Graduate Practicum I and demonstrate independence under frequent supervision, which will be adjusted according to the needs of the student and the clients) being served.

803 Graduate Practicum III (1-3) This practicum represents the third semester of enrollment for graduate students. Students at this level will be expected to demonstrate the skills from Graduate Practicum I and II and will be able to explain their rationale for clinical decisions and revise clinical goals and strategies as needed. The student will explain the clinical processes and will demonstrate consistent ability to make clinical decisions under the supervision of credentialed individuals, which will be adjusted according to the needs of the student and the clients) being served. Requisite: SLP 802 or PERM.

804 Graduate Practicum IV (1-3) This enrollment represents the fourth and subsequent semesters of enrollment for graduate students. Student will continue to enroll in this level until the externship enrollment. This practicum is also supervised by credentialed individuals, which will be adjusted according to the needs of the student and the client(s) being served. Requisite: SLP 803 or PERM.

805 Practicum in Evaluation and Assessment (1) Students in this practicum will be involved with clinical evaluations within the clinical education program.

806 Graduate Practicum in Healthcare (2) Students will enroll in this program during the semester they are enrolled in the healthcare practicum prior to externship experience. This practicum is supervised by credentialed individuals, which will be adjusted according to the needs of the student and the client(s) being served. Requisite: Coursework in neuroanatomy; aphasia and dementia and PERM.

807 Aural Rehabilitation Practicum (1) A required lab which provides supervised clinical experience in aural rehabilitation. Requisites: PR, SLP 663 or PERM.

809 Education Externship (6) Student will complete a minimum of an 8 week practicum at an educational facility working alongside an AHSA certified speech-language pathologist in the evaluation and treatment of patients at the facility. Requisites: PR, SLP 803 or PERM.

810 Professional issues in SLP+ (2) Presents principles and methods in clinical areas such as private practice, self-assessments, training of paraprofessionals, roles as a consultant, resource person, and multi-disciplinary team member.

811 Medical Externship (6) Student will complete a minimum of an 8 week practicum at a medical facility working alongside a ASHA certified speech-language pathologist in the evaluation and treatment of patients a the facility.

812 Clinical Collaboration in Speech-Language Pathology (2) This course provides a broad overview of contemporary issues related to working with families and clients with communication disorders, supervision of student clinicians and/or paraprofessionals, and collaboration with other professionals in education and medical settings. This course includes group discussions, in-class applied activities, and the development of tools to be utilized during clinical practice.

813 Assessment & Intervention in Diverse Populations (2) Presents principles and procedures in assessment and intervention for speech-language pathologists working with persons from diverse populations. Requisites: PR, SLP 681.

814 Independent Study in Communication Disorders (1-3) Provides advanced students an opportunity to complete in-depth readings, investigate problems, or complete research projects in the area of communication disorders. Requisites: PERM of advisor and instructor.

815 Autism Spectrum Disorders: Social-Communication (3) The student will summarize the characteristics of individuals who present autism spectrum disorder and the social-communication issues presented by these individuals. The student will analyze and apply current assessment and intervention practices appropriate for individuals with autism spectrum disorder. This course includes group discussions, in-class applied activities, and the development of tools to be utilized in clinical practice.

816 Clinical Practicum in Audiology + (1) Provides supervised clinical evaluation experience in the area of audiology. Requisites: PR, SLP 658 or equivalent and PERM.

817 Research in Communication Sciences and Disorders (3) Course introduces students to graduate study and examines methods of research in communication sciences and disorders. Requisites: PR, graduate standing.

819 Orientation to Externship in Speech-Language Pathology (1) Course taken prior to first externship. Professional ethics, methods of supervision, the mentor-mentee relationship, record-keeping, and responsibilities of the student, the agency, and the university are emphasized. Requisites: PERM.

820 Research Development (1) Graduate students in Communication Sciences and Disorders will assist in developing an individual or group research project related to clinical practice with the guidance of a graduate faculty research advisor. Requisites: PR, SLP 817.

822 Applied Research Experience (2) Students will assist in the completion of a research project culminating in an oral presentation individually or as a group at the end of the semester. Requisites: PR, SLP 817 and SLP 820.

834 Dysphagia (2) Focus on trends and issues for speech-language pathologists related to assessment and intervention with individuals across the life span requiring ventilator dependency or those presenting swallowing disorders. Students will integrate and refine skills in evaluation, assessment, and planning of intervention programs for these disorders.

835 Augmentative and Alternative Communication (2) Course designed to present information on augmentative-alternative communication (AAC) with emphasis on various AAC systems and strategies available for individuals with severe communication disabilities. The assessment and intervention process for AAC will be presented. Requisites: PR, SLP 662, graduate standing, or PERM.

836 Advanced Audiology for the SLP (2) Study of audiometric theories and practice for speech-language pathologists. Requisites: PR, SLP 658 or equivalent.

840 Speech Sound Disorders: Assessment & Intervention (2) This course provides advanced study of speech sound disorders in children. The following disorders will be examined and include thee study of assessment and intervention of articulation and phonological disorders, childhood apraxia of speech, cleft palate, oral myofunctional disorders, speech of the deaf/hard of hearing.

855 Fluency Disorders (2) Study of various theories and treatments for fluency disorders. Examines assessment procedures. Requisites: CL, SLP 855L.

855L Fluency Disorders Laboratory (1) Required to be taken concurrently with SLP 855 Fluency Disorders. Practical activities focus on assessment procedures, clinical interviewing and specific treatment methods.

856 Voice and Motor Speech Disorders (3) Study of acquired disorders related to the speech mechanism including respiration, resonance, phonation, and articulation.

862 Language Disorders: Early Language (2) Evaluation, assessment and intervention practices for persons in the early stages of language development (i.e., early words to simple sentences.

863 Language Disorder s: Later Language (2) Evaluation and intervention practices for persons with language disorders in the later states of language development (i.e., complex language). Requisites: PR, SLP 862.

864 Language Disorders: Nonverbal Communicators (2) Evaluation and intervention practices for persons with language disorders who communicate nonverbally. Requisites: PR, SLP 862 and SLP 863, or instructor PERM.

869 Topics in Speech-Language Pathology/Audiology + (1-3) Current topics in speech-language pathology are studied. Topics will vary.

882 Seminar in Speech-Language Pathology + (1-3) Designed to give graduate students an opportunity for in-depth study into any area of speech-language hearing.

889 Neuroanatomy (2) An overview of the anatomy and physiology of the central and peripheral nervous systems, with emphasis on the neurological control of cognitive, language and speech processes. Students are introduced to the types of neurological impairments that may result in disorders of speech, language, and related functions. Requisites: PR, SLP 305, or equivalent.

890 Cognitive Linguistic Communication Disorders (3) Students will differentiate cognitive linguistic communication disorders on the basis of the site of neurologic damage and patterns of behavioral communication characteristics. Students will integrate and refine skills in the evaluation, assessment, and planning of intervention programs. Requisites: PR, SLP 889.

892 Motor Speech Disorders (2) Focus on the identification of the various motor speech disorders that result from neurologic disease or injury and differentiate these disorders from other related disorders. Etiologies of motor speech disorders, assessment and planning of intervention programs for these disorders will be presented. Requisites: PR, SLP 889.

899 Thesis in Speech-Language Pathology + (1-6) Will provide an additional option for the student that has only minor revisions in order to complete thesis. Requisites: PR, PERM.

Department of Health and Human Performance

For updated information, see our website at **www.fhsu.edu/hhp/**.

The purpose of the Department of Health and Human Performance is to educate students through the study and practice of the health sciences, the art and science of human movement, and leisure time pursuits. The undergraduate and graduate programs prepare individuals as educators and professionals. Graduates work in education and non-educational settings in business and/or industry, government, athletic training, and the allied health fields. In addition to the emphasis on quality instruction, departmental faculty are involved in scholarly activity, involve students in scholarly activity, and are heavily involved in service to the university, profession, and community. Program graduates are provided a foundation for entry into graduate school, for employment requiring well-developed analytical and communication skills, and for coping with the global complexities of the 21st century.

The role of the Department of Health and Human Performance is directly related to the mission of the institution by providing accessible quality education to Kansas, the nation, and the world through an innovative community of teacher-scholars and professionals. Through a combination of a traditional and a virtual learning environment, the department is committed to the development of engaged global citizen -leaders.

Department of Health and Human Performance Faculty & Staff

Chair: Steve Sedbrook

Professors: Greg Kandt

Associate Professors: Steve Sedbrook, Glen F. McNeil, Duane Shepherd, David K. Fitzhugh

Assistant Professors: Jennifer Bechard, Lynn Maska, Helen Miles

Instructors: Jordan Barrett, Drew Gannon, Jonathan Graupmann, Ron Haag, Jessica (Johnson) Phelan, Mark Johnson, Macy Klaus, Jason McCullough, Jason Ney, Adrian Pilkington, Anita Walters, Emily Washburn, Dennis Weber, Jessica Wood-Atkins, Jacob G. Weber, Dustin Bradstreet, Carlee Lindsey, Cassie Mettling, Ceena Owens

Lecturers: Mark Pahls

Department Staff: Gloria Schumacher, *Sr. Administrative Assistant;* Sara Gist, *Sr. Administrative Assistant*

See department page online for full listing

Undergraduate Degrees

Bachelor of Science: HHP (K-12 Teach/Coach)

Bachelor of Science: HHP (Recreation & Sports Management)

Bachelor of Science: HHP (Sport and Exercise Therapy)

Bachelor of Science: HHP (Health Promotion & Wellness)

Bachelor of Science: HHP (Exercise Science)

Bachelor of Science: HHP (Gerontology)

Bachelor of Science: Athletic Training

Bachelor of Science: Health Studies

Associate of Science: Massage Therapy

Associate of General Studies: Massage Therapy

Graduate Degrees

Master of Science: Health & Human Performance

Master of Professional Studies: Public Health Administration

Master of Liberal Studies: Gerontology and Health Science

Certificates

Consumer Health

Community Health

Healthy Aging

Community Health Promotion

Coaching (available on-campus only)

Massage Therapy

Bachelor of Science: HHP (Health Promotion and Wellness)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:		Credits
Foundation Studies		18
Elective/Specified General Education Courses:		
International Studies Component (select 2 courses)		6
Humanities (three electives		9
Mathematics and Natural Sciences		10
Social and Behavioral Sciences (three electives)		9
Upper-Division Integrative Course		3

Health and Human Performance Core

A total of 24 hours from…

Code	Course Title	Credits
HHP 201	Concepts of Physical Fitness	1
HHP 210	Intro to Health & Human Performance	3
HHP 220	Responding to Emergencies	3
HHP 280	Care & Prevention of Exercise Injuries	3
HHP 330	Adapted/Special Physical Education	3
HHP 340	Tests & Measurements in HHP	2
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 450	Program Organization and Administration	3

Core Electives

Choose 26 hours from the following:

Code	Course Title	Credits
HHP 151	Aerobic Fitness	1
HHP 155	Weight Training and Conditioning	1
HHP 230	Principles of Fitness	3
HHP 312	Fitness Leadership	2
HHP 313	Health Promotion and Wellness	3
HHP 371	Leisure Administration and Programming	3
HHP 445	Clinical Exercise Physiology	3
HHP 447	Instrumentation in Exercise Physiology	3
HHP 465	Internship in Human Performance	3
HHP 480	Leisure Programming for the Elderly	3
Elective	Aquatics Elective	1

Health Promotion / Wellness Core

A total of 15 hours from the following:

Code	Course Title	Credits
HHP 275	Adventure Education	2
HHP 310	Consumer Health	2
HHP 315	Nutrition and Athletic Performance	3
HHP 320	Communicable and Emergent Disease	3
HHP 332	Lifespan Nutrition	3
HHP 432	Event/Facility Management	3
HHP 435	*Personal Training	3
HHP 612	Physiology of Aging	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

* Required for Personal Training Certification.

Bachelor of Science: HHP (Recreation & Sports Management)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Health and Human Performance Core

A total of 24 hours from…

Code	Course Title	Credits
HHP 201	Concepts of Physical Fitness	1
HHP 210	Intro to Health & Human Performance	3
HHP 220	Responding to Emergencies	3
HHP 280	Care & Prevention of Exercise & Sport Injuries	3
HHP 330	Adapted/Special Physical Education	3
HHP 340	Tests & Measurements in HHP	3
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 450	Program Organization and Administration	3

Recreation Core

A total of 19 hours from the following:

Code	Course Title	Credits
HHP 117	Beginning Swimming	1
HHP 151	Aerobics	1
HHP 155	Weight Training & Conditioning	1
HHP 271	Intro. to Recreation & Sports	3
HHP 272	Leadership in Recreation & Sport	2
HHP 370	Intramural Programs	2
HHP 371	Leisure Administration and Programming	3
HHP 380	Techniques of Officiating	3
HHP 465	Internship in Human Performance	3

Core Electives

Choose 22 hours from the following:

Code	Course Title	Credits
HHP 231	Child Rhythm Movement	3
HHP 260	Introduction to Lifetime Sports	1
HHP 262	Introduction to Racquet Sports	1
HHP 263	Introduction to Field Sports	1
HHP 275	Adventure Education	1
HHP 290	Introduction to Coaching	2
HHP 305	Sports Information	3
HHP 312	Fitness Leadership	2
HHP 314	Issues in Health Education	2
HHP 381	Field Work in HHP	3
HHP 430	Motor Learning	2
HHP 432	Event/Facility Management	3
HHP 480	Leisure Programming for the Elderly	2
HHP 655	Sports Planning and Promotion	3
HHP 657	Sports Analytics	3
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behaviors	3
LDRS 310	Field Work in Leadership	3

* Other Electives as approved by your Advisor including Additional Internship Hours.

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: HHP (Sport & Exercise Therapy)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Health and Human Performance Core

A total of 26 hours from…

Code	Course Title	Credits
HHP 155	Weight Training and Conditioning	1
HHP 201	Concepts of Physical Fitness	1
HHP 210	Intro to Health & Human Performance	3
HHP 220	Responding to Emergencies	3
HHP 280	Care & Prevention of Exercise Injuries	3
HHP 330	Adapted/Special Physical Education	3
HHP 340	Tests & Measurements in HHP	3
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 450	Program Organization and Administration	3

Concentration Core

Choose 21-22 hours from the following:

Code	Course Title	Credits
HHP 230	Principles of Nutrition	3
ATEP 310	A/C of Musculoskeletal Conditions I	3
ATEP 320	A/C of Musculoskeletal Conditions II	3
ATEP 410	A/C of General Medical Conditions	3
HHP 445	Clinical Exercise Physiology	3
HHP 447	Instruction in Exercise Physiology	3
HHP 465	Internship in HHP	3-4

Cognates

A total of 18 hours from the following:

Code	Course Title	Credits
TEEL 231	Human Growth and Development	3
BIOL 240	Microbiology for Allied Health	3
BIOL 240L	Laboratory for Microbiology	2
BIOL 245	Medical Terminology	2
BIOL 345/	345L Human Anatomy	4
BIOL 346/	346L Human Physiology	4

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: HHP (Sport Management)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Health and Human Performance Core

A total of 26 hours from…

Code	Course Title	Credits
HHP 155	Weight Training and Conditioning	1
HHP 201	Concepts of Physical Fitness	1
HHP 210	Intro to Health & Human Performance	3
HHP 220	Responding to Emergencies	3
HHP 280	Care & Prevention of Exercise Injuries	3
HHP 330	Adapted/Special Physical Education	3
HHP 340	Tests & Measurements in HHP	3
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 450	Program Organization and Administration	3

Core Electives

Choose 24-26 hours from the following:

Code	Course Title	Credits
HHP 271	Intro to Recreation & Sport Management	3
HHP 272	Leadership in Rec. & Sport Management	2
HHP 370	Intramural and Sport Programming	2
HHP 371	Leisure Programming	3
HHP 380	Techniques of Officiating	3
HHP 465	Internship in HHP	3-12

Sport Management Core

A total of 14 hours from the following:

Code	Course Title	Credits
HHP 290	Introduction to Coaching	2
HHP 305	Sports Information	3
HHP 405	Event / Facility Management	3
HHP 655	Sport Planning and Promotion	3
	Field Work in HHP	3

Electives

Choose 9-12 hours from the following:

Code	Course Title	Hours
ACCT 203	Principles of Accounting I	3
ECFI 305	Managerial Finance	3
MGT 301	Management Principles	3
COMM 318	Intro to Organizational Communications	3
COMM 345	Desktop Publishing & Publication Design	3
COMM 348	Public Relations	3
COMM 606	Conflict Management through Comm.	3
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behaviors	3
LDRS 310	Field Work in Leadership	3
HHP 240	Water Safety Instructor	3
HHP 242	Lifeguard Training and Instruction	4

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: HHP (Exercise Science)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Health and Human Performance Core

A total of 26 hours from…

Code	Course Title	Credits
HHP 155	Weight Training and Conditioning	1
HHP 201	Concepts of Physical Fitness	1
HHP 210	Intro to Health & Human Performance	3
HHP 220	Responding to Emergencies	3
HHP 280	Care & Prevention of Exercise Injuries	3
HHP 330	Adapted/Special Physical Education	3
HHP 340	Tests & Measurements in HHP	3
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 450	Program Organization and Administration	3

Concentration Core

Choose 19 hours from the following:

Code	Course Title	Credits
HHP 151	Aerobic Fitness	1
HHP 230	Principles of Fitness	3
HHP 312	Fitness Leadership	2
HHP 313	Health Promotion and Wellness	3
HHP 445	Clinical Exercise Physiology	3
HHP 447	Instrumentation in Exercise Physiology	3
HHP 465	Internship in Human Performance	3
Elective	Aquatics Elective	1

Exercise Science Core

A total of 20 hours from the following:

Code	Course Title	Credits
HHP 332	Lifespan Nutrition	3
BIOL	345L Human Anatomy / Lab	4
BIOL	346L Human Physiology / Lab	4
HHP 612	Physiology of Aging	3
HHP 617	Exercise Testing & Prescription for Elderly	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: HHP (Gerontology)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Health and Human Performance Core

A total of 26 hours from…

Code	Course Title	Credits
HHP 155	Weight Training and Conditioning	1
HHP 201	Concepts of Physical Fitness	1
HHP 210	Intro to Health & Human Performance	3
HHP 220	Responding to Emergencies	3
HHP 280	Care & Prevention of Exercise Injuries	3
HHP 330	Adapted/Special Physical Education	3
HHP 340	Tests & Measurements in HHP	3
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 450	Program Organization and Administration	3

Concentration Core

Choose 19 hours from the following:

Code	Course Title	Credits
HHP 151	Aerobic Fitness	1
HHP 230	Principles of Fitness	3
HHP 312	Fitness Leadership	2
HHP 313	Health Promotion and Wellness	3
HHP 445	Clinical Exercise Physiology	3
HHP 447	Instrumentation in Exercise Physiology	3
HHP 465	Internship in Human Performance	3
Elective	Aquatics Elective	1

Gerontology Core

A total of 14 hours from the following:

Code	Course Title	Credits
HHP 470	Seminar in Gerontology	2
HHP 612	Physiology of Aging	3
HHP 670	Introduction to Gerontology	2
PSY 420	Psychology of Aging ***OR***	
PSY 668	Neuropsychology	3
SOC 644	Sociology of Aging	3

Electives

Choose 9 hours from the following:

Code	Course Title	Hours
AGRI 301	Home Horticulture	3
HHP 371	Leisure Administration and Programming	3
HHP 617	Nutrition and Aging	3
HHP 619	Exercise Testing & Prescription for Elderly	3
NURS 211	Learning in Older Adulthood	2
PSY 420	Psychology of Aging	3
PSY 668	Neuropsychology	3
SLP 665	Communication and Aging	2
SOCW 620	Spirituality and Aging…	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: HHP (K-12 Teaching / Coaching)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Teaching / Coaching Core

A total of 20 hours from…

Code	Course Title	Credits
HHP 151	Aerobic Fitness	1
HHP 231	Children's Rhythm and Movement	3
HHP 260	Introduction to Lifetime Sports	1
HHP 261	Introduction to Racquet Sports	1
HHP 262	Introduction to Team Sports	1
HHP 263	Introduction to Field Sports	1
HHP 277	Early Field Experience in Physical Ed.	1
HHP 290	Introduction to Coaching	2
HHP 312	Fitness Leadership	2
HHP 410	Elementary Physical Ed. Curriculum	2
HHP 420	Curriculum & Methods in Secondary Ed.	3
HHP 430	Motor Learning	2

Professional Education Core

Choose 28 hours from the following:

Code	Course Title	Credits
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TEEL 496	Student Teaching Elementary	6
TESP 302	Educating Exceptional Students	3
TESS 494	Secondary School Experience	4
TESS 496	Student Teaching Secondary	6

Health Education Endorsement

A total of 12 hours from the following:

Code	Course Title	Credits
HHP 230	Principles of Nutrition	3
HHP 300	Methods and Materials for Teaching Health	3
HHP 310	Consumer Health	2
HHP 320	Communicable and Emergent Diseases	2
HHP 400	Safety Education	2

Electives

Code	Course Title	Hours
HHP 350	Coaching of Basketball	2
HHP 351	Coaching of Football	2
HHP 352	Coaching of Track and Field	2
HHP 353	Coaching of Wrestling	2
HHP 354	Coaching of Baseball and Softball	2
HHP 355	Coaching of Volleyball	2
HHP 356	Coaching of Tennis	2
HHP 380	Techniques of Officiating	3
HHP 631	Motor Development of Special Population	3
HHP 633	Assessment & Planning in HHP	3
HHP 675	Field Experience in Special Physical Ed.	3

Totals

A total of 132 credits from...

University Requirements	55
Department Requirements	77
Total	**132**

Bachelor of Science: Athletic Training

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Cognates

Choose 10 hours from the following:

Code	Course Title	Credits
BIOL 230	Anatomy and Physiology I	3
BIOL 230L	Anatomy and Physiology Lab	1
BIOL 231	Anatomy and Physiology II	3
BIOL 231L	Anatomy and Physiology II Lab	1
BIOL 245	Medical Terminology	2
BIOL 345	Human Anatomy	2
BIOL 345L	Human Anatomy Lab	2
BIOL 346	Human Physiology	3
BIOL 346L	Human Physiology Lab	1

Electives

A total of 9 hours from the following:

Code	Course Title	Hours
HHP 315	Nutrition in Athletic Populations	3
HHP 465	Internship in HHP	3
HHP 650	Biomechanics	3

Athletic Training Core

Code	Course Title	Credits
ATEP 200	Anatomical Kinesiology	1
ATEP 210	Intro to Athletic Training Clinical	1
ATEP 220	Emergency Care in Athletic Training	1
ATEP 300	Techniques in Athletic Training	2
ATEP 310	A/C of Musculoskeletal Conditions I	3
ATEP 320	A/C of Musculoskeletal Conditions II	3
ATEP 325	Therapeutic Modalities	3
ATEP 330	Therapeutic Exercise I	3
ATEP 350	Athletic Training Practicum I	1
ATEP 355	Athletic Training Practicum II	1
ATEP 360	Athletic Training Practicum III	1
ATEP 400	A/C of Musculoskeletal Conditions III	3
ATEP 410	A/C of General Medical Conditions	3
ATEP 415	Therapeutic Exercise II	3
ATEP 420	Administration of Athletic Training	3
ATEP 425	Research in Athletic Training	3
ATEP 430	Athletic Training Foundations…	1
ATEP 465	Athletic Training Practicum IV	1
ATEP 470	Athletic Training Practicum V	1
ATEP 475	Athletic Training Practicum VI	1
HHP 210	Introduction to HHP	3
HHP 220	Responding to Emergencies	3
HHP 230	Principles of Nutrition	3
HHP 280	Care and Prevention of Exercise Injuries	3
HHP 290	Introduction to Coaching	3
HHP 312	Fitness Leadership	3
HHP 340	Tests and Measurements in HHP	2
HHP 390	Physiology of Exercise	3
HHP 440	Kinesiology	3
HHP 447	Instrumentation in Exercise Physiology	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	74
Total	**129**

Bachelor of Science: Health Studies

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Health Studies Core

A total of 25 hours from…

Code	Course Title	Credits
HHP 220	Responding to Emergencies	3
HHP 230	Principles of Nutrition	3
BIOL 245	Medical Terminology	2
HHP 310	Consumer Education	2
HHP 610	Global Health	3
HHP 618	Environmental Health	3
HHP 620	Epidemiology in Public Health	3
HHP 625	Legal Issues in Healthcare	3
HHP 474	Culminating Experience	3

Choose one of the Following Concentrations A minimum of 12 hours

Gerontology

Code	Course Title	Credits
HHP 480	Leisure Programming for the Elderly	2
HHP 612	Physiology of Aging	3
HHP 617	Nutrition and Aging	3
HHP 619	Exercise Testing/Prescription for Elderly	3
HHP 670	Introduction to Gerontology	2
PSY 420	Psychology of Aging	3
SOC 644	Sociology of Aging	3
SLP 665	Communication and Aging	3
SOCW 620	Spirituality and Aging	3

Health Promotion

Code	Course Title	Credits
HHP 314	Issues in Health Education	2
HHP 320	Communicable and Emergent Diseases	2
HHP 312	Fitness Leadership	3
HHP 332	Life-Span Nutrition	3
HHP 400	Safety Education	2
HHP 602	Public Health	3
HHP 619	Exercise Testing/Prescription for the Elder-	3

Sociology of Medicine and Aging

Code	Course Title	Hours
SOC 375	Medical Sociology	3
SOC 355	Death and Dying	3
SOC 644	Sociology of Aging	3
SOCW 620	Spirituality and Aging	3

Grant Writing & Social Entrepreneurship

Code	Course Title	Hours
SOC 470	Grant Writing	3
SOC 473	Program Development and Evaluation	3
SOC 677	Internship in Sociology: Grant Writing	3
SOC 680	Nonprofit Organizations	3

Leadership

Code	Course Title	Hours
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Fieldwork in Leadership Studies	3
LDRS 306	Leadership and Team Dynamics	3
LDRS 650	Principles of Organizational Leadership	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Associate of General Studies: Massage Studies

University Degree Requirements
A total of 36 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component	3
Distribution Courses	
Humanities (Art, Communication Studies, English, Foreign Language, Music and Philosophy)	6
Mathematics and Natural Sciences (Biological Sciences, Chemistry, Geosciences, Mathematics and Physics)	6
Social and Behavioral Sciences (Economics, History, Multiculturalism, Political Science, Psychology and Sociology)	6

MASSAGE STUDIES Concentration
Choose 24 credits from...

Code	Course Title	Credits
MTP 100	Basic Massage Techniques	2
MTP 102	Fiscal Management and Ethical Practices	2
MTP 104	Structural Anatomy for Massage Therapy	2
MTP 106	Structure and Function of the Body I	2
MTP 108	Massage Lab I	4
MTP 110	Massage Clinic I	2
MTP 120	Advanced Massage Techniques	2
MTP 122	Pathophysiology for Massage Therapy	3
MTP 124	Functional Kinesiology for MT	2
MTP 126	Structure and Function of the Body II	2
MTP 128	Massage Lab II	4
MTP 130	Massage Clinic II	2
MTP 150	Externship in Massage Therapy	3

Associate of General Studies: Massage Therapy

University Degree Requirements
A total of 36 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component	3
Distribution Courses	
Humanities (Art, Communication Studies, English, Foreign Language, Music and Philosophy)	6
Mathematics and Natural Sciences (Biological Sciences, Chemistry, Geosciences, Mathematics and Physics)	6
Social and Behavioral Sciences (Economics, History, Multiculturalism, Political Science, Psychology and Sociology)	6

Massage Therapy Concentration
Choose 32 credits from...

Code	Course Title	Credits
MTP 100	Basic Massage Techniques	2
MTP 102	Fiscal Management and Ethical Practices	2
MTP 104	Structural Anatomy for Massage Therapy	2
MTP 106	Structure and Function of the Body I	2
MTP 108	Massage Lab I	4
MTP 110	Massage Clinic I	2
MTP 120	Advanced Massage Techniques	2
MTP 122	Pathophysiology for Massage Therapy	3
MTP 124	Functional Kinesiology for MT	2
MTP 126	Structure and Function of the Body II	2
MTP 128	Massage Lab II	4
MTP 130	Massage Clinic II	2
MTP 150	Externship in Massage Therapy	3

Certificates in Health and Human Performance

A certificate adds value to your degree program by building your knowledge and skills in a particular topic area, giving you an advantage in the workplace or allowing you to explore your passion within the field. The Department of Health and Human Performance offers five certificates, available on campus and online.

Certificate in Consumer Health

A total of 13 credits from...

Code	Course Title	Credits
HHP 200	Personal Wellness	3
HHP 310	Consumer Health	2
HHP 314	Issues in Health Education	2
HHP 320	Communicable and Emergent Disease	2
HHP 400	Safety Education	2
HHP 615	Issues in Nutrition Education	2

Certificate in Community Health

A total of 15 credits from...

Code	Course Title	Credits
HHP 310	Consumer Health	2
HHP 314	Issues in Health Education	2
HHP 320	Communicable and Emergent Disease	2
HHP 610	Global Health	3
HHP 618	Environmental Health	3
HHP 620	Epidemiology in Public Health	3

Certificate in Health Aging

A total of 14 credits from...

Code	Course Title	Credits
HHP 605	Introduction to Gerontology	3
HHP 612	Physiology of Aging	3
HHP 613	Issues in Aging	2
HHP 617	Nutrition and Aging	3
HHP 618	Exercise Testing/Prescription for the El-	3

Community Health Promotion

(Graduate Certificate) A total of 12 credits from...

Code	Course Title	Credits
HHP 663	Assessment & Planning in HHP	3
HHP 811	Health Promotion Programming	3
HHP 812	Nutrition for Health and Fitness	3
HHP 855	Legal Issues in HHP	3

Certificate in Coaching

A total of 15 credits from...

Code	Course Title	Credits
HHP 220	Responding to Emergencies	3
HHP 280	C/P of Exercise and Sport Injuries	3
HHP 290	Introduction to Coaching w/ASEP Cert.	2
HHP 380	Techniques of Officiating	3
Two of the Following:		
HHP 350	Coaching of Basketball	2
HHP 351	Coaching of Football	2
HHP 352	Coaching of Track and Field	2
HHP 353	Coaching of Wrestling	2
HHP 354	Coaching of Baseball and Softball	2
HHP 355	Coaching of Volleyball	2

Certificate in Massage Therapy

A total of 32 credits from...

Code	Course Title	Credits
MTP 100	Basic Massage Techniques	2
MTP 102	Fiscal Management and Ethical Practices	2
MTP 104	Structural Anatomy for Massage Therapy	2
MTP 106	Structure and Function of the Body I	2
MTP 108	Massage Lab I	4
MTP 110	Massage Clinic I	2
MTP 120	Advanced Massage Techniques	2
MTP 122	Pathophysiology for Massage Therapy	3
MTP 124	Functional Kinesiology for MT	2
MTP 126	Structure and Function of the Body II	2
MTP 128	Massage Lab II	4
MTP 130	Massage Clinic II	2
MTP 150	Externship in Massage Therapy	3

Master of Science: Health and Human Performance

Required Theory Core

A total of 17 credits from...

Code	Course Title	Credits
HHP 815	Research in HHP	3
HHP 820	Concepts & Objectives of Physical Ed.	3
HHP 825	Statistical Analysis in HHP	3
HHP 835	Motor Learning (or 650 Biomechanics)	3
HHP 850	Physiological Analysis of Motor Activity	3
HHP 875	Graduate Seminar	3

Select one Concentration

A total of 15 credits from...

Exercise Science Concentration

Code	Course Title	Credits
HHP 650	Biomechanics (if not taken in core)	3
HHP 845	Advanced Clinical Exercise Physiology	3
HHP 847	Advanced Instrumentation in Exercise…	3
HHP 899	Thesis ***OR***	
	Approved Internship and Grad Project	6

Sports Administration

Code	Course Title	Credits
HHP 633	Assessment and Planning	3
HHP 855	Legal Issues in HPER and Athletics	3
HHP 860	Facilities in Physical Education & Athletics	3
	Approved Electives/Internship/Thesis	6

Movement and Sport Studies

Choose one of the following courses:

Code	Course Title	Credits
HHP 650	Biomechanics	3
HHP 835	Motor Learning	3
HHP 845	Advanced Clinical Exercise Physiology	3
HHP 847	Advanced Instrumentation in Exercise…	3

Choose one of the following courses:

Code	Course Title	Credits
HHP 633	Assessment and Planning in HHP	3
HHP 855	Legal Issues in HPER and Athletics	3
HHP 800	Administration of Physical Education…	3
HHP 860	Facilities in Physical Education & Athletics	3

Choose one of the following courses:

Code	Course Title	Credits
HHP 635	Motor Behavior	3
HHP 810	Sport in American Society	3
HHP 830	Secondary School Physical Education…	3
HHP 840	Coaching Today's Athlete	3

Approved Electives / Thesis

Code	Course Title	Credits
HHP 899	Thesis	6
	OR Approved Electives / Internship	

Master of Professional Studies: Public Health Administration

Core Curriculum

A total of 9 credits from...

Code	Course Title	Credits
HHP 815	Research in Health & Human Performance	3
HHP 825	Statistical Analysis in HHP	3
HHP 602	Public Health	3

Concentration Core

A total of 12 credits from...

Code	Course Title	Credits
HHP 618	Environmental Health	3
HHP 620	Epidemiology in Public Health	3
HHP 625	Legal Issues in Health Care	3
HHP 630	Administration in Health Care	3
HHP 610	Global Health	3

Electives

A total of 6 credits from...

Elective courses must be graduate level (600 level and above) and come from any academic discipline that contributes meaningfully to the student's program of study. All electives must be approved the student's advisor. Offerings are variable and will depend on the department from which they are taken.

Project / Internship

A total of 3 credits from...

Code	Course Title	Credits
HHP 874	Culminating Experience / Internship	3

Master of Liberal Studies: Gerontology

Additional Program Admission Requirements

A minimum GPA of 2.75 is required on the last 60 undergraduate credit hours to be admitted to this concentration.

Program Curriculum

The student seeking a Master of Liberal Studies (MLS) degree with an emphasis in Gerontology is required to complete a selection of courses equal to 31 credit hours. Students complete 19 required credit hours and 12 elective credit hours. Each student is required to complete comprehensive examinations and a 3-hour culminating experience (HHP 874). The culminating experience may take many different forms including a research paper or project, the development of original creative work, an internship, or other special projects formulated in conjunction with the program advisor.

Liberal Studies Core

A total of 10 credits from...

Code	Course Title	Credits
IDS 801	Introduction to Liberal Studies	1
IDS 802	Ways of Knowing in Comparative	3
IDS 803	Origins & Implications of the Knowledge	3
IDS 804	Information Literacy	3

Additional Requirements

A total of 9 credits from...

Code	Course Title	Credits
HHP 605	Introduction to Gerontology	3
HHP 815	Research in Health and Human Performance	3
HHP 873	Culminating Experience	3

Gerontology Electives

A total of 12 credits from...

Code	Course Title	Credits
SLP 665	Communication and Aging	2
PSY 668	Neuropsychology	3
HHP 612	Physiology of Aging	3
HHP 617	Nutrition and Aging	3
HHP 619	Exercise Testing/Prescription for Aging	3
SOCW 620	Spirituality & Aging: The Empowering Relationship	3
SOC 644	Sociology of Aging	3

Elective substation may be made in conjunction with advisor approval.

Other course areas that may be specific to aging (must be 600 level or above)

- Topics and Workshop courses related to aging
- Healthcare systems / administration
- Grant writing courses
- Health and Wellness coursework related to the older adult
- Education of the older adult/teaching strategies
- Marketing
- Art Therapy
- Leadership courses

Comprehensive Exams are taken as the final step in the process and are scheduled in your final semester in consultation with your program advisor.

Master of Liberal Studies: Health Sciences

Program Curriculum

The Master of Liberal Studies, with an emphasis in Health Science, is offered in conjunction with the Department of Health and Human Performance and utilizes a highly skilled faculty teaching a well rounded curriculum. This degree offers graduate students all the flexibility of the Master of Liberal Studies degree in a framework that emphasizes highly practical skills in human performance issues. The curriculum integrates both topics of traditional importance along side workshops in more contemporary issues to give students a broad overview of the discipline.

Liberal Studies Core

A total of 10 credits from...

Code	Course Title	Credits
IDS 801	Introduction to Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

Gerontology Concentration

A total of 18 credits from...

Code	Course Title	Credits
HHP 815	Research in HHP	3
Electives (Choose 15 hours from...)		
HHP 610	Global Health	3
HHP 612	Physiology of Aging	3
HHP 617	Nutrition and Aging	3
HHP 618	Environmental Health	3
HHP 619	Exercise Testing/Prescription for the Elder-	3
HHP 620	Epidemiology in Public Health	3
HHP 625	Legal Issues in Health Care	3
HHP 633	Assessment and Planning in HHP	3
HHP 635	Motor Behavior	3
HHP 650	Biomechanics	3
HHP 670	Sports Marketing, Promotion and Planning	3
HHP 810	Sport in American Society	3
HHP 811	Health Promotion Programming	3
HHP 812	Nutrition for Health and Fitness	3
HHP 820	Concepts/Objectives of Physical Education	3
HHP 825	Statistical Analysis in HHP	3
HHP 830	Secondary School Curriculum in Phys. Ed.	3
HHP 835	Motor Learning	3
HHP 840	Coaching of Today's Athlete	3
HHP 850	Physiological Analysis of Motor Activity	3
HHP 855	Legal Issues in HHP and Athletics	3
HHP 860	Facilities in Physical Education and Athletics	3

Culminating Experience

A total of 3 credits from...

Code	Course Title	Credits
HHP 874	Culminating Experience	3

Course Listing - Health and Human Performance

Health and Human Performance

Undergraduate Credit

101 Varsity Athletics -- Women (1) Development of fundamental skills in selected drills: (A) basketball; (B) softball; (C) tennis; (D) volleyball; (E) gymnastics; (F) track; and (G) cross country.

102 Varsity Athletics -- Men (1) Development of fundamental skills in selected drills: (A) football; (B) basketball; (C) cross country; (D) baseball; (E) wrestling; (F) gymnastics; (G) track; (H) golf; and (I) tennis.

103 Bowling (1) Includes skill techniques and a knowledge of rules and terminology. Special fees: lab fees.

107 Karate (1) Instruction in the basic skills, blocks, strikes, and kicks of Korean Tae Kwon Do.

108 Judo (1) Instruction and practice of basic skill techniques and fundamentals of beginning judo.

109 Self Defense (1) Instruction in the basic skills needed to defend oneself against assault.

112 Fencing (1) Basic skills of fencing are taught, as well as techniques for scoring and judging matches.

114 Beginning Handball (1) This course includes skills, techniques, knowledge, terminology, and rules.

116 Basic Scuba Diving (1) Instruction in the basic skills necessary to perform scuba diving. Requisites: PR, HHP 240. Special fees: lab fees.

117 Beginning Swimming (1) A course designed to help the novice become a swimmer. The elementary back stroke, back crawl, side stroke, front crawl, and breast stroke are covered.

118 Advanced Swimming (1) Open to students who can swim. Analysis of the various strokes, diving, stunts, and games are covered. Requisites: PR, HHP 117 or PERM.

120 Beginning Tennis (1) Includes four fundamental strokes, play in singles and doubles, and knowledge of rules and court etiquette. Special fees: lab fees.

121 Advanced Tennis (1) Consists of improvement on the four fundamental strokes and the learning of more advanced skills and techniques. Tournament play. Requisites: PR, HHP 120 or PERM.

122 Volleyball (1) This course includes the knowledge and development of skills, selection of drills, game rules, and strategy.

123 Touch Football (1) A course designed to cover the fundamental skills of touch football.

124 Wrestling (1) In this course, the fundamentals and techniques of collegiate and high school wrestling are presented.

125 Beginning Golf (1) Basic fundamentals are taught. Golf etiquette and course rules are explained. Equipment is furnished by the university. Special fees: lab fees.

126 Advanced Golf (1) Open to students who know the rules and etiquette of golf and who have had some playing experience. Requisites: PR, HHP 125 or PERM. Special fees: lab fees.

127 Slimnastics (1) Development of physical fitness and conditioning, weight, and figure control utilizing circuit and aerobic activities. Factors involved in total fitness are considered and evaluated.

128 Personal Fitness I (1) A scientific assessment of the student's fitness level with physiology of exercise laboratory and equipment. The student will develop a program of exercise based on the assessment.

130 Jogging (1) Individualized jogging programs for improved cardio-respiratory endurance.

132 Softball (1) Instruction and practice of the fundamentals of slow pitch softball with primary emphasis on game play.

133 Beginning Gymnastics (1) Includes techniques, materials, skills, teaching progression, and safety regulations in stunts, tumbling, and pyramids.

136 Beginning Basketball (1) This course includes the knowledge and development of skills, selection of drills, game rules, and strategy.

137 Advanced Basketball (1) (A student cannot be enrolled in this course if college credit was earned in varsity basketball.) This course deals with the improvement of basketball skills of individual and team play. Requisites: PR, HHP 136 or PERM.

138 Badminton (1) A course that covers the fundamental skills, knowledge, rules, and terminology of badminton.

140 Folk Dancing (1) Folk dance styles of different nations are taught.

142 Social Dance (1) For beginners, includes basic steps such as the foxtrot, swing, waltz, tango, polka, etc., and knowledge of ballroom etiquette.

144 Square Dance (1) Dances of American origin performed in the various formations: square, long-ways, circle, and couple. Emphasis on the recreational aspect of group dancing.

146 Modern Dance (1) This course includes development of individual skill in dance movements and the study of form and composition in dance.

149 Beginning Ballet (1) An introduction to the basic fundamentals of ballet.

151 Aerobic Fitness (1) This course provides opportunity for toning muscles and improving cardiovascular efficiency through a variety of aerobic fitness activities.

152 Jazz and Tap Dancing (1) Opportunity for students to explore areas of dance which are often used for entertainment or recreational purposes: beginning tap, beginning jazz, and some chorus line or group work.

155 Weight Training and Conditioning (1) Development of strength and endurance through weight training, calisthenics, and running. Home exercise programs and maintenance of fitness in later life are also considered.

157 Archery (1) Includes instruction and practice of basic skills and techniques in archery.

158 Soccer (1) Includes instruction and practice of basic skill techniques and strategies on competitive soccer.

161 Riflery (1) This course deals with the safety, skills, and techniques of riflery. Special fees: lab fees.

162 Basic Firearms (1) Instruction in basic pistol, rifle, and shotgun fundamentals concentrating on the knowledge, skills, and attitudes necessary for the safe and proper handling and/or use of firearms.

163 Roller Skating (1) Instruction in the basic skills in roller skating and disco roller skating. Special fees: lab fees.

164 Cycling (1) Instruction in bicycle maintenance, safety, speed, trail riding, and touring--includes speed trails and tours of various distances.

165 Recreational Activities (1) A combination of recreational activities that can be enjoyed in limited spaces: ping pong, pocket billiards, horseshoes, croquet, frisbee, and shuffleboard.

166 Recreation and Therapy for the Disabled + (1) Designed to meet the recreational and fitness needs of physically disabled students through a variety of adaptable physical activities. Requisites: PR, open to handicapped students only.

167 Beginning Racquetball (1) Instruction and practice in the fundamental skills of racquetball, the rules, and basic game strategy.

168 Advanced Racquetball (1) Instruction and practice in the more complex skills of racquetball and the refinement of the basic skills covered in beginning racquetball. Requisites: PR, HHP 167 or PERM.

172 Wilderness Skills (1) Designed to provide the student with a foundation in wilderness recreation. Includes hiking, backpacking, rock climbing, orienteering, survival and first aid, ecology, camping, snowshoeing, and cross country skiing. Special fees: lab fees.

175 Adult Fitness and Assessment (1) A scientific assessment of the adult's fitness level with physiology of exercise laboratory equipment. The adult will develop a program of exercise based on the assessment.

180 Special Activities in HHP + (1) A course designed for the student to participate in selected health, physical education, and recreation activities. (May be retaken for credit if content differs.)

190 Yoga (1) This course is a creative opportunity for improving strength, flexibility, endurance, and balance through the use of hatha yoga in the vinyasa style. This class will effectively work all parts of the body equally and will be introduced in a non-judgmental and non-competitive environment.

195 Emergency Medical Technician (7) This program is designed for persons interested in providing medical care to patients in the pre-hospital setting. It will provide participants the opportunity to gain information, skills, and attitudes necessary for certification and practice as an Emergency Medical Technician (EMT) in the state of Kansas. The program is approved by the Kansas Board of Emergency Medical Services. It addresses information and techniques currently considered the responsibilities of the Emergency Medical Technician according to the Kansas Board of EMS and Kansas Educational Standards. The course includes didactic instruction, practical skills acquisition, and Clinical/Field Internship rotations.

200 Personal Wellness (3) This course provides a survey of health and fitness concepts and practices related to the dynamic nature of positive wellness knowledge and behavior.

201 Concepts of Physical Fitness (1) To acquaint students with basic knowledge, understanding, and values of physical activities. Students will participate in laboratory testing and physical activities.

210 Introduction to Health and Human Performance (3) Provides prospective physical educators with an insight into physical education and sport so they may obtain a basic understanding of the profession.

220 Responding to Emergencies (3) This course meets the requirements for the American Red Cross Certificates: Responding to Emergencies and Community CPR.

230 Principles of Nutrition (3) Essential nutrients for health, body process, food fads, and fallacies with emphasis on the scientific basis of nutrition.

231 Children's Rhythm and Movement (3) This course is designed to study the underlying components and concepts of movement as applied in the physical education curriculum. Included will be specific instruction in skill development of dance and gymnastics.

232 Diet and Weight Control + (1) Designed to teach the individual the aspects of dietary control necessary for weight loss, gain, or maintenance.

233 Creative Cookery (2) Preparation of foods from different cultural backgrounds and geographical regions with emphasis on planning, preparation, and serving.

239 Aquatics Safety (3) This course is designed to provide the participant with the knowledge and skills necessary to cope with emergency situations in the aquatic environment.

240 Water Safety Instructor (3) The purpose of this instruction course is to train instructor candidates to teach the American Red Cross Water Safety courses. Successful completion results in American Red Cross Certification enabling the water safety instructor to conduct and teach all swimming courses except Lifeguard Training. Emphasis is also focused on mechanics of stroke execution and improvement of personal swim skills. Personal swim skills are evaluated at the advanced swimmer level. Requisites: PR, HHP 239 or PERM.

242 Lifeguard Training and Lifeguard Instructor (4) Lifeguard Training develops the skills and knowledge necessary for non-surf lifeguarding. The Lifeguard Instructor provides the lifeguard with the techniques and understanding of course content to teach lifeguard training courses. Successful completion of this course leads to American Red Cross Certification. Requisites: Good swimmer and at least 17 years of age or PERM.

258 Techniques of Teaching Dance (2) The selection and application of appropriate materials, methods, and techniques of teaching dance.

259 Techniques of Teaching Gymnastics and Tumbling (2) The selection and application of appropriate materials, methods, and techniques of teaching gymnastics and tumbling.

260 Introduction to Lifetime Sports (1) This course will allow the student to participate in and learn the rules and strategy of bowling, archery, frisbee, and golf.

261 Introduction to Racquet Sports (1) This course will allow the student to participate in and learn the rules and strategy of racquetball, pickleball, badminton, and tennis.

262 Introduction to Team Sports (1) This course will allow the student to participate in the rules and strategy of basketball, volleyball, team handball, and floor hockey.

263 Introduction to Field Sports (1) This course will allow the student to participate in and learn the rules and strategy of soccer, touch football, track and field, and softball.

271 Introduction to Recreation and Sport Management (3) An investigation of the nature, scope and significance of recreation and sport management in today's world.

272 Leadership in Recreation and Sport Management (2) Exploration of leadership skills including methods and techniques used in directing recreation and sport programs.

275 Adventure Education (1) This course is designed to provide an introduction to the knowledge, attitudes, and skills needed to implement an adventure education program. Furthermore, the course is structured to encourage a safe, active, and adventurous lifestyle. Course content includes an understanding of the full value contract, challenge by choice, and proper sequencing of activities for a successful experience.

277 Early Field Experience in Physical Education (1) This course is designed to provide students with the opportunity to observe skilled practitioners at work, as well as to observe the characteristics of students at the elementary, secondary, and college levels. Pass/No Credit.

280 Care and Prevention of Exercise & Sport Injuries (3) This course introduces the students to concepts of prevention and management of exercise and sports injuries. Topics include anatomy, liability issues in exercise and sport, and basic injury recognition, evaluation, and care of musculoskeletal injuries and conditions.

290 Introduction to Coaching (2) This course will introduce the general philosophy and methods of coaching. Various topics to prepare the individual for the task of coaching, such as sport science, sport psychology, and sport management, will be included. Successful completion of the course may lead to certification by the American Coaching Effectiveness Program (ACEP).

300 Methods and Materials for Teaching Health (K-12) (3) This course deals with the
organization and administration of the school health program. Basic structure of the program, minimum standards, desirable goals, various methods, and materials for health instruction are discussed. Requisites: PR, HHP 200.

305 Sports Information Management (3) This course is designed to allow students the opportunity to participate in the development, management, coordination, and implementation of a sport information program, including overall athletic public relations, marketing, and promotions. Students obtain practical experience in publicity coverage, fund-raising events, and compilation, interpretation, and dissemination of statistics.

310 Consumer Health (2) This course deals with critical analysis and evaluation of health appraisal techniques; federal and state legislation affecting consumer health.

312 Fitness Leadership (2) Concepts and skills of planning, delivering, and evaluating physical fitness programs will be developed. Class leadership skills and applications of educational principles will be emphasized.

313 Health Promotion and Wellness (3) An overview of fundamental components of health promotion or wellness programs. A general framework for designing and implementing health promotion programs will be analyzed.

314 Issues in Health Education (2) A review of sensitive and controversial issues relevant to health education. Students will be instructed in topics associated with health education issues, as related to nutrition, individual health, community health and STD's, that are important to the family and the individual.

315 Nutrition in Athletic Performance (3) An in-depth study of the relationship between diet and the following: exercise, body composition, physical performance, ergogenic aids, and myths related to nutrition and athletic performance. Requisites: PR, HHP 230.

320 Communicable and Emergent Diseases (2) Principles and practices in the cause, symptoms, transmission, prevention, and control of various diseases of man in the community.

330 Adapted/Special Physical Education (3) A course directing the future physical education teacher as to how to meet the needs of the atypical student by working in the psychomotor domain. This course will require some field experience.

332 Life-Span Nutrition (3) Advanced course in nutrition with emphasis on application to the health of the individual. Requisites: PR, CHEM 102, HHP 230.

340 Tests and Measurements in HHP (2) An overview of testing and evaluation principles as they are applied in health and human performance. Techniques for analyzing and interpreting health status and performance through a variety of assessments are emphasized. Elements of educational evaluation and grading are also included.

345 Essentials of Athletic Training (3) A comprehensive study of essential topics and skills required for the preparation of a certified athletic trainer.

350 Coaching of Basketball (2) The theory and methods of coaching. Emphasis is placed on the identification of skills, offensive and defensive strategy, administration of practice, rules, and training.

351 Coaching of Football (2) The theory and methods of coaching. Emphasis is placed on the identification of skills, offensive and defensive strategy, administration of practice, rules, and training.

352 Coaching of Track and Field (2) The theory and methods of coaching. Emphasis is placed on the organization and administration of meets, training principles for events, rules, strategies, and identification of skills.

353 Coaching of Wrestling (2) Developing the theory and techniques of coaching interscholastic wrestling, including area of conditioning, rules, weight reduction, and various styles of individual wrestling moves and holds.

354 Coaching of Baseball and Softball (2) The history and development of the game of baseball and softball: lectures, reports, and discussion on offensive and defensive play, sacrifice play, squeeze play, drag play, hit and run, signals, and strategy.

355 Coaching of Volleyball (2) Fundamentals of volleyball playing skills, individual and team conditioning, rules pertaining to participants, game and league play, offensive and defensive strategy, and budgeting.

356 Coaching of Tennis (2) The theory and methods of coaching. Emphasis is placed on the identification of skills, game strategies, administration of practice, rules, and training.

370 Intramural Programs (2) This course deals with the organization and administration of the intramural and recreation sports program, including elementary, junior high, senior high, college, and university-level programs.

371 Leisure Administration and Programming (3) Exploration of programming styles and techniques. Emphasis is given to personnel, facilities, and equipment. Requisites: PR, HHP 271.

380 Techniques of Officiating (3) This course is designed to acquaint the student with the qualifications, philosophies, principles, and techniques governing the art of officiating sports. The intramural program serves as the laboratory for this experience.

390 Physiology of Exercise (3) An introduction to the physiology of the skeletal, muscular, respiratory, nervous, and circulatory systems, with special reference to their adjustments during acute and chronic exercise. Laboratory experiences are included. Requisites: PR, BIOL 140.

400 Safety Education (2) This course examines theories of accident causation and various methods of preventing accidents in schools, work, home, and recreational settings.

410 Elementary School Physical Education Curriculum (2) Designed to introduce prospective elementary classroom teachers to the practices of elementary school physical education with emphasis on curriculum development, teaching methods, and program of activity.

415 Health and Physical Education Methods and Curriculum for Elementary Educators (3) The course will provide the elementary educator with a basic understanding of methods/ pedagogy (instruction) and content (curriculum) in health education and physical education. Requisites: Admitted to Teacher Education program required.

420 Curriculum and Methods in Secondary Physical Education (3) A course designed to introduce prospective physical educators to the fundamentals, principles, and practices of secondary school physical education with emphasis on curriculum development, teaching methods, and program of activity. Requisites: admission to Teacher Education required or PERM of instructor.

430 Motor Learning (2) A study of the factors that influence motor skill learning of humans. Emphasis will be placed upon psychological, neurophysiological, and behavior limitations of humans in motor learning and performance environments.

432 Event and Facility Management (3) This course is designed to provide students with the knowledge needed to manage recreation and sport event and facility operations including event development and supervision, marketing, administration, and facility operations. Requisites: Junior standing or PERM.

435 Personal Training (3) This course is designed to synthesize the knowledge acquired from an exercise science curriculum with practical application for a personal trainer. This course blends theoretical knowledge and application. This course is affiliated with the American Council of Exercise personal training certification. Requisites: HHP 210, HHP 312, HHP 313, HHP 390.

440 Kinesiology (3) This course deals in a practical way with the mechanism of bodily movement; the relation of muscles to different forms of exercise, daily activities, and sport. Requisites: PR, BIOL 140.

445 Clinical Exercise Physiology (3) This course examines the physiologic basis for movement dysfunction and the impact of exercise on individuals with diseases and disorders. Opportunities to participate with clients and clinical professionals are included. Requisites: PR, HHP 390.

447 Instrumentation in Exercise Physiology (3) This course introduces the student to the instrumentation and equipment commonly found in a human performance laboratory. Emphasis is placed on the application of testing procedures. Requisites: PR, HHP 390.

450 Program Organization and Administration (3) Problems in organization, administration, supervision, and coordination of physical education and athletic programs.

465 Internship in Human Performance + (1-12) May be enrolled in more than once for up to 12 hours of credit. Provides off -campus opportunity for practical application of student's concentration. The student will work in private and/or public organizations. Requisites: PERM of department chair.

470 Workshop in Health and Human Performance (1-8) The workshop is designed for intensive study of a physical education topic or problem.

471 Outdoor Recreation (3) A study of the status of outdoor recreation in the United States. Includes economics, land use and planning, organizational responsibility assessment, trends, and problems. Requisites: PR, HHP 271.

474 Independent Study (1-3) Independent study in physical education in which each student concentrates on a problem and prepares a written report.

476 Internship in Leisure (12) Full-time, supervised work experience in an approved recreation enterprise.

480 Leisure Programming for Elderly (2) This course will examine issues concerning leisure programming for the elderly. Emphasis will be placed on program design and evaluation with respect to the characteristics and social theories of aging in leisure service settings.

Health and Human Performance

Undergraduate

602 Public Health (3) This course addresses key issues of public health with emphasis on status, achievements and challenges current to the twenty-first century and is designed for students from a variety of majors. Emphasis points include an introduction, analytical methods, biomedical bases, social and behavioral factors, environmental issues, medical care, and a look at the future of public health.

605 Introduction to Gerontology (3) A multidisciplinary overview of the social, psychological and biological changes associated with aging and how those changes affect the quality of life in the later years. The course outlines the basic issues involved with care of the elderly, presenting guidelines of possible solutions.

610 Global Health (3) This course addresses key issues of global health with emphasis on possible solutions to world health problems and is designed for students from a variety of majors. Emphasis points include an understanding of biological and social aspects of major health issues; knowledge of populations groups at increased risk; policies and procedures related to health inequalities; and assessment methods for global health.

612 Physiology of Aging (3) Physiological changes as a result of aging or of age-related pathology. Roles of heredity, diet, exercise, and lifestyle in the aging process. Requisites: PERM.

613 Issues in Aging (2) A review of sensitive and controversial issues relevant to aging. Students will review issues important to the individual and the family; related to quality of life, social issues, problems in aging, retirement, death, dying and the aging process in general.

615 Issues in Nutrition Education (2) A review of sensitive and controversial issues relevant to nutrition. Students will review issues important to the individual and the family as they relate to nutrition education, general nutrition concepts, food safety, disordered eating, overweight/obesity, the environment and the lifespan. The course will provide the individual with the basic knowledge to identify reliable nutrition information as presented in the media.

617 Nutrition and Aging (3) The study of nutrition and how it relates to the process of aging and the health status of the aging population. The course focuses on the six nutrients, cultural aspects related to food intake, and the relationship between nutrition and health as we age, and research in nutrition related to the aging process. Requisites: Sophomore standing or higher.

618 Environmental Health (3) The health implications of human relationships to the biosphere are examined as well as the effect of environmental change upon physical, biological and social patterns. Alternative solutions for environmental problems are explored.

619 Exercise Testing and Prescription for the Elderly (3) This course provides a basis for understanding the process of planning and implementing exercise programs to improve health and functional capacity of elderly individuals. Implications of exercise related research with elderly populations will be emphasized. Requisites: PR, sophomore standing or higher.

620 Epidemiology in Public Health (3) The course covers basic concepts and methods of epidemiology and demonstrates how these can be applied to improve population health and reduce health inequities. Key epidemiological concepts such as association, bias and confounding will be covered. Epidemiological study designs such as case-control, cohort, observational, experimental; double-blind randomized studies will be covered. This course may

be taken for graduate or undergraduate credit. Requisite: Undergraduate Statistics- 200 level or above.

625 Legal Issues in Health Care (3) This course will study many of the legal issues involved in the provision of health care. The course will include an overview of the history of health care and a foundation of the American legal system. As the course progresses, critical legal issues relating to the health care industry will be addressed, including tort law and professional liability insurance, information management, patient rights, ethical issues in health care, and employment and labor issues involved in the administration of healthcare. Due to limited time and the extent and varying complexity of material in the text, not all material will be covered. The course is intended to be an overview, not an in-depth analysis of any given topic. Likewise, the course is not designed to provide an introduction to or overview of every facet of the law regarding health care.

630 Administration in Health Care (3) This course is intended for those interested in a systematic understanding of organizational principles, practices, and insights pertinent to the management of health services organizations. In this course, we will survey the several different perspectives of how health care organizations have functioned and evolved over the years. "System thinking" is utilized to analyze managing partnerships, strategic alliances, networking, and other arrangements between and among physicians, hospitals, health systems, and other provider organizations. We will focus on how health care leaders must effectively design and manage health care organizations while simultaneously influencing and adapting to changes in an environmental context and emphasize the role of the transformational leadership model in managing the boundary between the internal organization and its external environment successfully. Case studies, practical scenarios, and controversial issues are highlighted in each chapter to challenge the student to provide solutions and philosophical positions on a variety of issues.

631 Motor Development of Special Population (3) This course focuses on normal and atypical motor development. Emphasis is placed on understanding deviations in normal motor development of individuals with physical, mental, sensory, neurological, and other specific health problems. Requisites: PR, HHP 330.

633 Assessment and Planning in Health & Human Performance (3) Applying instruments in determining physical and motor needs of individuals with disabilities; ability to implement physical education programs for individuals with disabilities.

635 Motor Behavior (3) This course focuses on the processes of human motor behavior from a life-span perspective. Emphasis is placed on understanding the interaction of motor development, motor learning, and motor control on the acquisition, refinement, and retention of movement skills. Coursework will focus on the effects of heredity, environmental influences, and specifics of motor tasks in the development of motor skills that are utilized in sport and lifetime leisure/recreation activities. Requisites: PR, Junior standing or above.

650 Biomechanics (3) An advanced study of the mechanical components of human movement with application to physical fitness and sport. Cinematography will be included as a portion of the course.

655 Sport Planning and Promotion (3) An overview of the various techniques and strategies used in meeting the needs of consumers in the sport industry. Areas to be addressed are the uniqueness of sport in comparison to traditional marketing, and overview of the segments of the sport industry, the importance of market research and segmentation in identifying the right sport consumer, the use of data-based marketing in reaching the sport consumer, and the development of sponsorship and endorsement packages.

670 Advanced Workshop in Health and Human Performance + (1-3) A graduate-level workshop designed for intensive study of selected physical education and health topics or problems.

675 Field Experience in Special Physical Education (2-8) Supervised practical experience providing physical activity to various exceptionalities. This course may be taken in two credit-hour segments to a maximum of eight credit hours.

Health and Human Performance

Graduate Credit

800 Administration in Health and Human Performance (3) To study the administrative process in physical education and athletics. To be able to understand current practices and their application to all levels of interscholastic and intercollegiate educational environment.

810 Sport in American Society (3) The study of social/cultural aspects of sport with an opportunity for students to research, discuss, and become familiar with sport in our American society. This course will also expose the students to current social controversies related to organized sport in America.

811 Health Promotion Programming (3) A course designed to study health promotion and wellness programs. An in-depth framework for designing and implementing health promotion programs will be analyzed. Requisites: PR, Graduate standing.

812 Nutrition for Health and Fitness (3) A study of the interrelationships regarding the primary aspects of nutrition as related to diet, health, exercise, and fitness; weight maintenance, and nutritional needs of special populations.

815 Research Methods in Health and Human Performance (3) A study of the methods and techniques of research used in physical education, health education, and recreation. A critical analysis and evaluation of the professional literature will be included.

820 Concepts and Objectives of Physical Education (3) Orientation for graduate students in using the problem-solving approach, whereby they learn to recognize, analyze, synthesize, classify, and solve problems.

825 Statistical Analysis in Health and Human Performance (3) A course dealing with the advanced statistical techniques used

in the selection and evaluation of data appropriate for physical education.

830 Secondary School Curriculum in Physical Education (3) Practical applications of the principles of curriculum, construction, and evaluation to physical education in the secondary school. Construction of a curriculum guide for a specific situation.

835 Motor Learning (3) Psychological and neurophysiological factors related to the development of motor skills with emphasis on the teacher's role in facilitating learning.

840 Coaching Today's Athlete (3) The study of the psychological aspects of sport. Emphasis is placed on factors affecting the athlete's performance such as social facilitation, group cohesiveness, leadership, personality, and motivation.

845 Advanced Clinical Exercise Physiology (3) This course will provide students with concepts and skills necessary to provide effective preventative and rehabilitative exercise programming. The structures and organization of clinical exercise programs will also be emphasized. Requisites: PR, HHP 390.

847 Advanced Instrumentation in Exercise Physiology (3) Students will lean techniques of measuring physiological capacities and concepts of evaluating cardio-pulmonary function used by exercise specialists. Modalities covered will include resting and exercise blood pressure, arterial function/pulse waveforms, electrocardiogram/electrophysiology, and respiratory gas analysis. Requisites: PR, HHP 390.

850 Physiological Analysis of Motor Activity (3) An advanced study of the physiological parameter at rest and under acute stress. These physiological parameters will also be studied under chronic training. Laboratory experiences will be included.

855 Legal Issues in Health and Human Performance (3) Focuses on the concepts of tort law, constitutional law, and risk management as they relate to the sport and recreation professions.

860 Facilities in Physical Education and Athletics (3) Principles, terminology, and standards for planning, construction, use, and maintenance of facilities in physical education and athletics.

865 Graduate Internship in Human Performance + (1-12) May be enrolled in more than once for up to 12 hours of credit. Provides off-campus opportunity for practical application of student's concentration. The student will work in private and/or public organizations. A maximum of six hours may count toward graduate degree requirements. Requisites: PERM of the department chair.

870 Professional Problems in Recreation (2) A critical analysis of problems in contemporary recreation.

871 Professional Problems in Health Education (2) A critical analysis of problems in contemporary health education.

872 Readings in Health and Human Performance + (1-3) Independent reading, tutorial conferences, and a written report on a selected subject in the field of health education, physical education, or recreation.

873 Culminating Experience (3) An independent learning experience designed to allow the student the maximum opportunity to incorporate the material learned from the core curriculum in an integrative fashion to best accomplish the goals and objectives of the student. The culminating experience can include, but is not limited to, a project, position paper, real world experience (i.e., organization and development of a workshop and its materials). Requisites: PERM.

874 Graduate Independent Study + (1-3) Independent study in health education, physical education, or recreation. Each student concentrates on a problem and prepares a written report.

875 Graduate Seminar + (1-3) Designed for in-depth study by graduate students. Presents contemporary topics under the guidance of qualified graduate faculty.

899 Thesis (2-6)

Athletic Training
Undergraduate Credit

200 Anatomical Kinesiology (1) An introductory examination of kinesiology and musculoskeletal anatomy from a clinical perspective. This includes anatomical terminology, planes of movements, bony landmarks, origins and insertions of muscles, and primary muscular function.

210 Introduction to Athletic Training Clinical (1) This course allows students to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will master competencies in areas related to basic athletic training concepts and techniques. Requisites: PR, HHP 280 or concurrent enrollment.

220 Emergency Care in Athletic Training Lab (1) A laboratory course designed to provide the athletic training student knowledge and clinical skills relating to the emergency care of patients. This includes vital sign assessment, splinting, spinal immobilization techniques, oxygen administration, and other skills critical in managing emergent conditions. Requisites: HHP 220 with a "C" or better or PERM.

300 Techniques in Athletic Training (2) A laboratory course designed to provide the athletic training student the knowledge and clinical skills for the assessment and management of musculoskeletal injuries and conditions. This includes the measurement of girth, range of motion, measurement of environmental conditions, emergency equipment removal, splinting, padding, and bracing, use of proper terminology, and written documentation. Requisites: PR, ATEP 310 with a "C" or better.

310 Assessment and Care of Musculoskeletal Conditions (3) This course will teach recognition, evaluation, and management techniques to athletic training students focusing on musculoskeletal injuries and conditions of the upper extremity, knee, lower leg, ankle, and foot. This includes anatomical knowledge, common signs and symptoms of musculoskeletal injuries and conditions, evaluation techniques and special tests, correct use of medical terminology, and documentation skills. Requisites: PR, BIOL 230

and BIOL 232 or BIOL 345 and BIOL 345L with a "C" or better and Admission to the Athletic Training Education Program.

320 Assessment and Care of Musculoskeletal Conditions II (3) This course will teach recognition, evaluation, and management techniques to athletic training students focusing on musculoskeletal injuries and conditions of the pelvis, hip, thigh, head, face, temporomandibular joint, torso, and spine. This includes anatomical knowledge, common signs and symptoms of musculoskeletal injuries and conditions, evaluation techniques and special tests, correct use of medical terminology, documentation skills. Requisites: PR, ATEP 310 with a "C" or better.

325 Therapeutic Modalities (3) An in-depth study of therapeutic modality principles and practices in the treatment of musculoskeletal injuries and conditions. Requisites: PR, ATEP 310 with a grade of "C" or better.

330 Therapeutic Exercises (3) An in-depth study of therapeutic exercise principles and practices as they apply to the rehabilitation of musculoskeletal injuries and conditions. Requisites: PR, ATEP 325 with a grade of "C" or better.

350 Athletic Training Practicum I (1) The course allows students to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will master competencies in emergency assessment, emergency procedures, and other related topics. Requisites: PR, ATEP 220 with a "B" or better and admission to the Athletic Training Education 4Program.

355 Athletic Training Practicum II (1) This course allows students to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will master competencies in the evaluation of musculoskeletal injuries and conditions, therapeutic modalities, and other related topics. Requisites: PR, ATEP 350 with a grade of "C" or better.

360 Athletic Training Practicum III (1)The course allows students to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will master competencies in emergency care, musculoskeletal injury evaluations, therapeutic modalities, therapeutic exercise, and related topics. Requisites: PR ATEP 355 with a "C" or better.

400 Assessment and Care of Musculoskeletal Conditions III (3) This course focuses on recognizing, evaluating and caring for musculoskeletal injuries and conditions of the head, spine, thorax, and abdomen using evidence-based assessment techniques. This includes performing head, spine, thorax, and abdomen evaluations to determine a clinical diagnosis and critically analyzing through case study best treatment practices. In addition, anatomical knowledge, common signs and symptoms, common head, spine, thorax, and abdomen injuries/conditions, correct use of medical terminology and documentation skills will be covered. Requisites: ATEP 320 with a "C" or better.

410 Assessment and Care of General Medical Conditions (3) A detailed study of how to prevent recognize, evaluate, and manage various general medical conditions. Focus will be on pathology of common disease processes, their treatment, and the affect activity has on the disease process. Requisites: PR, ATEP 320 with a grade of "C" or better.

415 Therapeutic Exercise II (3) An in-depth examination of the application of therapeutic principles and practices as applied to various musculoskeletal injuries and post-surgical conditions. This includes using research evidence to determine the efficacy of different rehabilitation techniques and programs. Requisites: ATEP 330 with a grade of "C" or better.

420 Administration of Athletic Training (3) This course examines various issues, policies, and procedures involved in the administration of an athletic training program including facility management and design, legal liability and risk management, preparticipation examinations, personnel management and recruiting, budgeting, equipment purchasing, record keeping, insurance, third -party reimbursement, health care services, and public relations. Requisites: PR, Junior standing in the Athletic Training Education Program.

425 Research in Athletic Training (2) A seminar course designed to assist the student in gaining and applying knowledge in the analysis and interpretation of athletic training research studies. In addition, the student will become familiar with the process of planning and conducting a workshop/seminar and will gain knowledge of the accreditation process and other professional responsibilities of a certified athletic trainer. Requisites: PR, Senior standing in the Athletic Training Education Program.

430 Athletic Training Foundations and Professional Development (1) This course examines foundational behaviors and philosophies of the athletic training profession. The student will learn about the history, responsibilities, ethical behavior, scope of practice, future challenges, governance, and how to manage a career with in the athletic training profession. This includes gaining knowledge of the accreditation process, influential organizational entities, and state practice acts. In addition, students will be required to complete a capstone project and prepare for the BOC certification examination. Requisite: ATEP 425 with a "C" or better.

465 Athletic Training Practicum IV (1) This course allows students to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will master competencies in several areas related to the administration of athletic training, therapeutic exercise, and related topics. Requisites: PR, ATEP 360 with a grade of "C" or better.

470 Athletic Training Practicum V (1) The course allows students to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will master competencies developed in other practicums as well as emergency care, several areas related to athletic training research, professional development, and public relations. Requisites: PR, ATEP 465 with a grade of "B" or better or PERM.

475 Athletic Training Practicum VI (1) The course provides students with opportunities to discuss, practice, and demonstrate athletic training competencies in a supervised setting. The student will review competencies from previous courses and will master

competencies related to general medical rotations. Requisites: PR, ATEP 470 with a grade of "B" or better or PERM.

Massage Therapy
Undergraduate Credit

100 Basic Massage Techniques (2) Hands on class designed to educate the student on basic massage techniques needed for a professional massage experience. Emphasis will be placed on correct body mechanics, self-care to prevent injury and proper Swedish techniques essential to massage therapy.

102 Fiscal Management and Ethical Practices (2) Introduces students to the daily business aspects and ethical challenges required in the starting, operating and marketing a massage practice.

104 Structural Anatomy for Massage Therapy (2) Designed to provide massage therapy students with the skills to identify, label, palpate and assess the human bodies skeletal, muscular and connective tissue variances for the purpose of safe massage.

106 Structure and Function of the Body I (2) An introduction to the human body including basic skeletal, muscular, integumentary and nervous systems need for the practice of massage.

108 Massage Lab I (4) Interactive hands on class designed to develop skills necessary to become a massage therapist. Focus will be on proper draping, client boundaries and safe body mechanics.

110 Massage Clinic I (2) A controlled atmosphere monitored by faculty in which students will offer massage services to members of the community, faculty/staff or students with techniques learned in complimentary massage classes.

120 Advanced Massage Techniques (2) Advanced hands on class designed to educate the student on advanced massage techniques needed for a professional massage experience using therapeutic stretching and tools.

122 Pathophysiology for Massage Therapy (3) Course is designed to cover the major pathologies of the human body, along with their indications and contraindications for professional massage therapy.

124 Functional Kinesiology (2) This course covers the muscular-skeletal systems of the human body and how these systems provide the body with daily support and movement. Students will develop an understanding of how to assess and correct deviations in body movement essential for the structural analysis for massage therapists.

126 Structure and Function of the Body II (2) An advanced, comprehensive study of the human body. Includes knowledge of the cardiac, lymphatic, vascular and digestive systems as applied to the practice of massage.

128 Massage Lab II (4) Interactive hands on class designed/ enhance to develop skills necessary to become an advanced massage therapist. Focus will be on the utilization of advanced techniques with massage therapy tools during lab hours.

130 Massage Clinic (2) A controlled atmosphere in which students will perform massages for various clients, employing techniques learned in complimentary massage classes.

150 Externship for Massage Therapy (3) Clinical/fieldwork practice that allows students the opportunity to practice learned techniques in a supervised environment.

* General Education Course
\+ Course may be repeated
\# Lab Required

Department of Nursing

For updated information, see our website at www.fhsu.edu/nursing/.

The Department of Nursing has an undergraduate program leading to a baccalaureate degree, a graduate program leading to a master's degree or post-master's credential, and DNP. The department provides opportunities for students to practice in a variety of hospitals, clinics, and community agencies in both rural and urban settings. Classes are sufficiently small to allow an individualized and personal relationship between the student and the instructor. Selected courses are offered via distance learning technologies.

The Master of Science in Nursing and Post-master's options are available for preparation as a Doctor of Nursing Practice (DNP), Nurse Administrator (NA), and Nurse Educator (NE). Core courses for the MSN and the NA and NE courses are all available on-line using various learning technologies. FNP graduates are eligible for certification as Advanced Registered Nurse Practitioners by the Kansas State Board of Nursing. FNP, NA & NE are prepared to be eligible to sit for national certification exams as well pending the completion of other criteria. Contact the FHSU Nursing Department at 785-628-4255 for further information.

For those students interested in working with and relating to the older population, options available include a gerontology minor and a graduate level area of concentration. (See Academic Programs of Study for detailed information on the BGS and MLS degrees.)

Accreditation
The undergraduate program leading to a baccalaureate degree in nursing and the graduate program leading to a master's degree and DNP in nursing are approved by the Kansas State Board of Nursing and accredited by the Commission on Collegiate Nursing Education. The department also holds membership in the American Association of Colleges of Nursing and the Kansas Association of Colleges of Nursing.

International Students
Nurses educated outside of the United States of America must successfully complete the Commission on Graduates of Foreign Nursing Schools (CGFNS) Qualifying Examination to pursue baccalaureate completion as a Registered Nurse or to pursue graduate nursing studies. These nurses must acquire a Registered Nurse license in the United States before admission to the undergraduate or graduate program. All transcripts must be evaluated by the World Educational Service, Inc., and the report filed in the Department of Nursing prior to admission.

Undergraduate Degrees
- Bachelor of Science: Nursing
  - (Traditional)
  - (RN to BSN)

Graduate Degrees
- Master of Science in Nursing
  - (Nursing Administration)
  - (Nursing Education)

Doctorate Degree
- Doctor of Nursing Practice
  - (BSN to DNP)
  - (MSN to DNP)

Post Masters Certificates
- Nursing Administration
- Nursing Education

Department of Nursing Faculty & Staff

Chair: Jenny Manry
Assistant Chair: Tanya Smith
Professors: Christine Hober
Associate Professors: Tanya Smith, Kathleen Ward
Assistant Professors: Lisa Brening, Kelly Cole, Patricia Drees, Mary Jo Gubitoso, Janelle Harding, Karla Johnston, Kara Keenan, Shauna Keil, Bonnie Landgraf, Dorothy Ochs, Jordan Petz, Tracey Post, Debbie Tomlinson, Michelle Van Der Wege, Valerie Yu
Instructors: Todd Brungardt
Department Staff: Amy Meder, *Senior Administrative Assistant*

See department page online for full listing

International students must meet the CGFNS requirements for the English Proficiency Score Report (TOEFL) and the Test for Spoken English (TSE).

Disabled Students
Disabled students requiring accommodations should notify the FHSU Coordinator for Students with Disabilities to arrange for reasonable accommodations.

Undergraduate Degrees The department offers traditional undergraduate study for the Bachelor of Science in Nursing (B.S.N.) degree. The baccalaureate degree prepares the generalist nurse who has the foundation for graduate study. The baccalaureate graduate is prepared to practice in various rural and urban settings. Satisfactory completion of this program entitles the graduate to write the National Council Licensure Examination to qualify for licensure as a Registered Nurse. The Department also offers a RN to BSN pathway for BSN.. This pathway is for RN's only.

Students are advised that nursing licenses may be denied or restricted by the Kansas State Board of Nursing (KSBN). Possible grounds for such action may include being guilty of any felony or being guilty of a misdemeanor that involves an illegal drug offense if the KSBN determines that such person has not been sufficiently rehabilitated to warrant the public trust. Also considered are patterns of practice and other behaviors exhibiting an apparent incapacity to practice nursing. All criminal history must be revealed to and will be evaluated by the KSBN before licensure is granted or denied.

Admission
Traditional BSN Students are admitted to the department on a semiannual basis in August and January. A student wishing to be considered for admission to the professional courses must have application materials completed and returned to the department office by March 1 (fall admission) or October 1 (spring admission) preceding the semester when the student anticipates beginning the clinical nursing courses. Students transferring courses from other colleges/universities must have an official transcript from each institution sent to the Registrar's Office. A limited number of spaces is available and, therefore, selection is competitive. Refer to the Department of Nursing Undergraduate Nursing Student Handbook for further details at www.fhsu.edu/nursing. Students may complete the general education and prerequisite courses on a full or part time basis; however, the BSN traditional professional sequence program is full time.

Admission Policies—Traditional BSN
Determination of admission is based on: (1) completion of department application form; (2) cumulative grade point average of at least 2.75 on a 4.00 scale; (3) a grade of "C" or above in the required department prerequisites; and (5) a score of 69% or higher on the Nurse Entrance Test (NET). Before students can be considered for admission to the professional sequence, they must complete the required or transferable equivalents below.

Bachelor of Science in Nursing: Traditional

Candidates for the degree of Bachelor of Science in Nursing traditional pathway must take all courses listed and meet all progression requirements. The general education requirements of the university must also be met. Only grades of "C" or above are acceptable in the nursing curriculum. Nursing majors need 126 total credit hours to graduate. Nursing courses required equal 52 hours.

University Degree Requirements

A total of 53 credits from...

Specified General Education Courses:	Credits
Foundation Studies	13
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 230 Anatomy & Physiology	3
BIOL 230 Anatomy & Physiology Lab	1
CHEM 112 General Chemistry	2
CHEM 112L General Chemistry Lab	1
MATH 250 Elements of Statistics	3
Social and Behavioral Sciences	
PSY 100 General Psychology	3
Elective	3
SOC 140 Introduction to Sociology	3
Upper-Division Integrative Course	3

Cognates

A total of 21 hours from…

Code	Course Title	Hours
BIOL 231	Anatomy and Physiology II	3
BIOL 231L	Anatomy and Physiology II Lab	1
BIOL 240	Microbiology for Allied Health	3
BIOL 240L	Microbiology Lab	1
HHP 230	Principles of Nutrition	3
BIOL 245	Medical Terminology	2
TEEL 231	Human Growth and Development	3
IDS 400	Bioethics	3
CHEM 100	Molecules and Society	2

Nursing Core

A total of 52 hours from…

Code	Course Title	Hours
NURS 282	Foundations of Nursing Care	3
NURS 282L	Foundations of Nursing Care Practicum	1
NURS 303	Health Assessment	2
NURS 303L	Health Assessment Practicum	1
NURS 306	Pathophysiology	3
NURS 310L	Nursing Skills Laboratory	2
NURS 311	Acute Nursing Care	3
NURS 311L	Acute Nursing Care Practicum	2
NURS 313	Nursing Professional Development	1
NURS 322	Intro to Evidence-Based Research	2
NURS 330	Chronic Nursing Care	3
NURS 330L	Chronic Nursing Care Practicum	2
NURS 340	Pharmacology I	2
NURS 341	Pharmacology II	2
NURS 413	Professional Nursing Development II	2
NURS 420	Maternal, Infant, & Pediatric Nursing Care	3
NURS 420L	Maternal, Infant, & Pediatric Practicum	2
NURS 429	Community Nursing Care	3
NURS 429L	Community Nursing Care Practicum	1
NURS 430	Health & Illness IIII	3
NURS 430L	Health & Illness III Practicum	3
NURS 431	Leadership & Management	3
NURS 431L	Capstone Internship	3

Totals

A total of 126 credits from...

University Requirements	53
Department Requirements	73
Total	**126**

Bachelor of Science in Nursing: RN to BSN

Program Requirements: Maintaining a current U.S. RN license. Minimum C grade for all program required classes outside of nursing (see below): Courses to be completed by graduation time. These courses do not have to be completed before starting the RN-BSN courses except for courses that serve as pre-requisites.

University Degree Requirements
A total of 52 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 230 Anatomy & Physiology	3
BIOL 230 Anatomy & Physiology Lab	1
CHEM 100 Chemist View of the World	3
CHEM 110 Molecules & Society	2
Social and Behavioral Sciences	
PSY 100 General Psychology	3
Elective	3
Upper-Division Integrative Course	3
COMM 100 Fundamentals of Oral Communication	3

RN-BSN Program Courses
A total of 57 hours from…

Code	Course Title	Hours
NURS 440	Informatics for the RN	3
NURS 442	Legal and Ethical Issues in Healthcare	3
NURS 441	Professional Roles for the RN	3
NURS 443	Community Focused Care for RN	3
NURS 445	Health Promotion and Assessment for the RN	3
NURS 446	Nursing Inquiry for the RN	3
NURS 449	Leadership and Management for RN with Practicum	3
NURS 450	Quality Improvement in Healthcare	3
NURS 447	Issues and Trends Facing Healthcare	3
NURS 448	Healthcare Policy & Cost for the RN	3

Master of Science in Nursing: (Nursing Administration)

Core Curriculum
A total of 36 credits from...

Code	Course Title	Credits
NURS 802	Advanced Health Assessment	1
NURS 807	Adv. Path, Pharm, & Health	3
NURS 808	Advanced Statistics	3
NURS 809	Advanced Foundations for Nursing…	3
NURS 810	Developing Nursing Theories	3
NURS 814	Healthcare: Policy, Politics, Organization..	2
NURS 861	Complexity in Health Care…	3
NURS 862	Admin. Management in Health Care…	3
NURS 872	Informatics in Healthcare Systems	3
NURS 876	Apprenticeship: Nursing Administration	3
NURS 882	Research in Nursing	3
NURS 890	Development of an Evidence Based…	1
NURS 891	Implementation & Evaluation of EBP...	2
Elective	One approved elective	3
TOTAL		**36**

Master of Science in Nursing: (Nursing Education)

Core Curriculum
A total of 36 credits from...

Code	Course Title	Credits
NURS 802	Advanced Health Assessment...	1
NURS 807	Adv. Path, Pharm, & Health	3
NURS 808	Advanced Statistics	3
NURS 809	Advanced Foundations of Nursing…	3
NURS 810	Developing Nursing Theories	3
NURS 814	Healthcare: Policy, Politics, Organization..	2
NURS 866	Teaching Strategies in Nursing	3
NURS 867	Apprenticeship: Teaching Strategies	2
NURS 868	Curriculum Planning: Nursing Education	3
NURS 869	Apprenticeship: Curriculum Planning	1
NURS 870	Curriculum Evaluation	3
NURS 872	Informatics in Healthcare Systems	3
NURS 882	Research in Nursing	3
NURS 890	Development of an Evidence Based…	1
NURS 891	Implementation & Evaluation of EBP...	2
TOTAL		**36**

Nursing Administration Certificate

Code	Course Title	Credits
NURS 861	Complexity in Health Care Organizations	3
NURS 862	Administrative Management in	3
NURS 876	Apprenticeship: Nursing Administration	3
	Graduate Elective Course	3
TOTAL		**12**

Nursing Administration Badge
A total of 6 credits from...

Course Title	Credits
Any credits within the Nursing Administration	6

Nursing Education Certificate

Code	Course Title	Credits
NURS 866	Teaching Strategies in Nursing	3
NURS 867	Apprenticeship: Teaching Strategies	2
NURS 868	Curriculum Planning: Nursing Education	3
NURS 869	Apprenticeship: Nursing Education	1
NURS 870	Nursing Education: Curriculum	3
TOTAL		**12**

Nursing Education Badge
A total of 6 credits from...

Course Title	Credits
Any credits within the Nursing Education track courses	6

Doctor of Nursing Practice

BSN to DNP Program 75 credits from...

Code	Course Title	Credits
NURS 952	Foundations for the Doctoral Leader	3
NURS 872	Informatics in Health Care Systems	3
NURS 810	Developing Nursing Leadership	3
NURS 954	Advanced Nursing Leadership	3
NURS 808	Advanced Statistics	3
NURS 814	Healthcare: Policy/Politics/Org./Cost	2
HHP 620	Epidemiology	3
NURS 882	Research in Nursing	3
NURS 916	Nurse Practitioner Roles in Primary Care	2
NURS 912	Primary Health Promotion	2
NURS 906	Advanced Pathophysiology	3
NURS 904	Pharmacokinetics / Pharmacodynamics	1
NURS 953	Evidence Based Practice & Scholarly	3
NURS 905	Advanced Pharmacology	3
NURS 903	Advanced Health Assessment	2
NURS 903L	Advanced Health Assessment Practicum	1
NURS 956	DNP Research Methods	3
NURS 955	Evaluation & Management in Health ...	3
NURS 921	Primary Care I: Management of...	3
NURS 935	Primary Care for he Pediatric Population	2
NURS 936	Primary Care for Pediatric Populations...	2
NURS 925	Primary Care Diagnostics & Procedures	1
NURS 926	Diagnostic & Procedure Preceptorship	1
NURS 932	Primary Care II: Management of…	3
NURS 957	DNP Project I	3
NURS 919	Primary Care: Adult & Geriatric…	1
NURS 918	Primary Care of Family & Community	2
NURS 924	Primary Care I: Preceptorship	3
NURS 960	DNP Residency I	1
NURS 958	DNP Project II	2
NURS 959	DNP Project III	2
NURS 961	DNP Residency II	1
NURS 934	Primary Care II: Preceptorship	3

MSN to DNP Program 30 credits from...

Code	Course Title	Credits
NURS 952	Foundations for the Doctoral Leader	3
NURS 872	Informatics in Health Care Systems	3
NURS 953	Evidence Based Practice & Scholarly	3
NURS 954	Advanced Nursing Leadership	3
NURS 814	Healthcare: Policy/Politics/Org./Cost	2
HHP 620	Epidemiology	3
NURS 956	DNP Research Methods	3
NURS 957	DNP Project I	3
NURS 955	Evaluation & Management in Health ...	3
NURS 958	DNP Project II	2
NURS 959	DNP Project III	2

Course Listing - Nursing

Undergraduate Credit

103 Introduction to Nursing (1) The course is designed for all students interested in learning about the discipline of nursing. The scientific basis for nursing practice is explored. Course content includes the roles and functions of nurses in various settings, types of educational programs available, basic nursing organizations, guidelines for nursing practice, and selected concepts such as touch, life continuum, caring, empathy, intimacy, and wholeness. Requisites: Freshman standing.

104L Nursing Fundamentals (2) This course introduces the student to fundamental skills for nursing care of individuals throughout the lifespan. Content focus includes but is not limited to proper communication techniques, basic documentation skills, basic terminology and legal/ethical responsibilities. Requisites: PR, BIOL 230.

207 Pathophysiology I (2) This course introduces the student to major concepts and commonly used terminology related to pathology in each organ system. Requisites: PR, BIOL 230 and BIOL 230L.

211 Learning in Older Adulthood (2) A course designed for students and professionals from a variety of disciplines who work with/are interested in older adult learning in diverse settings. Explores the developmental process of learning and change of older adults in both formal and informal settings. Emphasis will be placed on adult learning, participation patterns, and strategies which are appropriate for use with older adults.

280 Foundations of Nursing (3) History, philosophy and theories of nursing are discussed in terms of their significance to the practice of professional nursing. History and philosophy are discussed as a basis for understanding the overview of current theories of nursing. The course is designed to provide a professional basis for nursing practice.

290 Math Calculations for Drug Administration (1) This course will assist the student to attain a level of proficiency in calculating medication dosages. Requisites: PR, MATH 110.

294 Nursing Transition (1) This course is designed for Registered Nurses and Licensed Practical Nurses who wish to complete a baccalaureate degree in Nursing. The course introduces the organizing framework of the FHSU Nursing curriculum and provides strategies for analyzing the student's process through role development and transition. Requisites: PR, U.S. RN license required.

303 Health Assessment (2) Provides theory of the nurse's role in performing health assessments including interviewing, the health history, and physical examination techniques for clients of various ages. Requisites: PR, Admission to the BSN program.; CR, NURS 303L .

303L Health Assessment Across the Lifespan Lab (1) Designed to assist the student in developing beginning skills in health assessment of clients of various ages.
Requisites: PR, Admission to the BSN program; CO, NURS 303

310L Nursing Skills Laboratory (2) This laboratory course will assist the student to acquire knowledge and attain proficiency in essential nursing skills. Students will be introduced to the process of self-directed learning as it applies to nursing skills and technology. One-time program fee of $550.00 is associated with enrollment in this course. Requisites: PR, Admission to Nursing Major.

311 Health and Illness I (3) This course introduces multidimensional nursing care of diverse patient populations experiencing acute or chronic illness. Pathophysiology and nursing therapeutics are combined to foster comprehension of professional, safe and quality patient nursing care. The aspects of multi-disciplinary care, therapeutic communication, and patient safety are integrated in the course. The significance of evidenced-based practice and theory are incorporated to promote positive patient outcomes. Requisites: PR, Admitted to nursing program; CL, NURS 311L.

311L Nursing Practicum (2) This practicum will introduce students to clinical settings where they will perform essential nursing skills. Requisites: PR, Admission to Nursing Major;
CO, NURS 311.

313 Professional Nursing Development I
(1) This course addresses professional formation through integration of the multidimensional concepts of: ethics, legal, critical reasoning, and clinical judgment to apprise clinical reasoning, professional practice, and lifelong learning.
Requisite: Admission to the BSN program.

322 Introduction to Evidence-Based Research
(2) The purpose of this course is to investigate the processes required to interpret, evaluate, and integrate evidence into nursing practice. This course includes the basic concepts of evidenced-based research for nursing practice, and an analysis of qualitative and quantitative research methods. Requisites: PR, MATH 250, Must be admitted to BSN program.

328 Mental Health Nursing (3) This course examines professional nursing therapeutics focused on mental health and the care of persons with mental illness. It discusses the care of persons of various age groups with psychiatric mental health illness. Psychopathology of mental health illness are reviewed. Application of the nursing process within a multidisciplinary team approach is emphasized. Requisites: PR, Admission to the BSN program;
CL, NURS 328L

328L Mental Health Nursing Practicum (1) This practicum is designed to provide the student with opportunities to care for clients experiencing a psychiatric and/or mental health illness. Emphasis will be placed on the role of the professional nurse in various mental health settings as well as current treatment modalities. Requisites: PR, Admission to BSN Nursing Program; CO, NURS 328.

330 Chronic Nursing Care (3) This course introduces nursing care of diverse patient populations experiencing chronic illness. Focus is on risk factors, signs and symptoms, nursing assessments and interventions for selected chronic conditions. Requisites: PR, Admission to the BSN Nursing Program; CL, NURS 330L.

330L Chronic Nursing Care Practicum (2) In this practicum, students will provide nursing care to clients with chronic illnesses in diverse clinical settings. Requisites: PR, Admission to the BSN Nursing Program; CO, NURS 330.

340 Pharmacology I (2) This course explores medications, medication classifications, pharmacokinetics and pharmacodynamics based on pathophysiology concepts. This course also explores the legal/ethical and professional parameters of medication therapy. Requisites: PR, Admission to the BSN program.

341 Pharmacology II (2) This sequential course explores medications, drug classifications, pharmacokinetics and pharmacodynamics based on pathophysiology concepts covered in NURS 330 Health and Illness II. This course also explores the legal / ethical and professional parameters of drug therapy. Requisites: PR NURS 340, Admission to the BSN Program.

413 Professional Nursing Development II (1) This sequential course addresses professional formation through integration of the multidimensional concepts of: ethics, legal, critical reasoning, and clinical judgment to apprise clinical reasoning, professional practice, and lifelong learning. Requisites: PR; NURS 313, admission to the BSN program.

420 Maternal/Infant (3) This course will assist the student to explore the knowledge and management of care of the young adult, the childbearing family, support systems and aggregates. Requisites: PR, Admission to the BSN Program; CL, NURS 420L.

420L Maternal-Infant Practicum (3) This practicum will assist the student to manage care for young adults, childbearing families, support systems and aggregates in diverse clinical settings. Requisites: PR, Admission to the BSN Program. CO, NURS 420.

422 Pediatrics (2) This course will assist the student to explore the knowledge and management of care for the child, adolescent, parenting family, support systems and aggregates. Requisites: CL, NURS 422L.

422L Pediatric Practicum (1) This practicum will assist the student to manage the care of pediatric populations and their families in diverse clinical settings. Requisites: CO, NURS 422.

423 Concepts of Gerontology (1) This course will focus on concepts related to specific health care needs of the growing older adult population. Essential geriatric competencies will be incorporated to promote comprehension of the aging process and the role of the nurse in promoting interdisciplinary evidence-based health care. Requisites: PR; Must be admitted to BSN Program, successful completion of Jr. II courses.

429 Community Nursing (2) This course will assist the student to explore the knowledge and management of populations with an emphasis on community and public health concepts, issues, roles, policies and trends. Requisites: PR; Admission to the BSN Program; CL, NURS 429L

429L Community Nursing Practicum (1) This practicum course will assist the student to manage the care process for populations with emphasis on integrating public/community health concepts.
Requisites: PR, Admission to BSN Program; CO, NURS 429.

430 Health and Illness III (3) This sequential course examines the synergistic effects of co-morbidities regarding the health and illness of the adult population. Requisites: PR, Admission to the BSN Program.

430L Health and Illness III Practicum (3) This practicum is designed to provide the student with opportunities to care for adult clients experiencing complications of health and illness.
Requisites: PR, Admission to BSN Program.

431 Leadership & Management (3) This course will assist the student to synthesize nursing knowledge related to nursing leadership and management in health care organizations. Requisites: PR, Must be admitted to BSN Nursing Program; CL, NURS 431L.

431L Capstone (3) This practicum will provide the student with an in-depth concentrated experience in focused areas of professional nursing practice. Requisites: PR, Admission to the BSN Program; CO, NURS 431.

440 Informatics for the RN (3) This course will instruct students on basic informatics concepts, computer applications, information competency and literacy, and legal and ethical standards in the healthcare setting. Students will evaluate the applicability of informatics in the healthcare setting.

441 Professional Roles for the RN (3) This course will explore the professional role of the baccalaureate prepared nurse in healthcare. Requisites: PR, Admission to the RN to BSN program.

442 Legal and Ethical Issues in Healthcare (3) This course will explore ethical decision making and legal regulations as they apply to nursing practice.

443 Community Focused Care for the RN (3) This course will assist the registered nurse to assess the global needs of communities. Students will explore public health concepts, issues, roles, policies, interventions and trends. PR, Admission to the RN-BSN program.

444 Selected Studies in Nursing (1-4) A study or project that offers the student an opportunity to explore areas of nursing in more depth (see class schedule for specific titles). Requisites: PERM.

445 Health Promotion and Assessment for the RN (3) This course will provide a theoretical base of the nurse's role in health promotion, expanding on current knowledge of basic health assessment skills to interpret and integrate needs for health promotion in varied health care settings and the community.
Requisites: PR, Admission to the RN to BSN program.

446 Nursing Inquiry for the RN (3) This course engages students in the research process as they explore and analyze nursing evidence to improve patient outcomes.
Requisites: PR, Admission to the RN to BSN program.

447 Issues and Trends Facing Healthcare (3) This course will provide information to prepare the student to think critically about trends in nursing and confidently face the future challenges of the nursing profession. Requisites: PR, Admission to the RN to BSN program.

449 Leadership and Management for the RN with Practicum (3) This course with practicum will assist the student to synthesize nursing knowledge related to leadership and management in healthcare. Course emphasis includes professional development and evidence based applications for healthcare settings. Practicum hours include time spent with a nurse preceptor participating in nursing leadership and management. Requisites: PR, Admission to RN-BSN program, and has Nursing clinical placement approval, and has completed or currently enrolled in NURS 446.

450 Healthcare Quality Improvement for the RN (3)
This course will provide the student with an opportunity to perform a needs assessment within a healthcare community setting. Students will develop an evidence-based strategy for systems change. Requisites: PR, Admission to RN to BSN Program, NURS 449.

472 Readings in Nursing (1-4) Reading directed to meet the needs of the individual student. Includes oral and written discussion. Requisites: PERM.

488 Global Nursing Experience (1) This course introduces the student to globally diverse nursing care while affording the opportunity to understand and practice cultural humility. The student will have the opportunity to experience on-site exploration of global nursing.
Requisites: Admission to the nursing program; CL, NURS 488L.

488L Global Nursing Experience Practicum (2)
This practicum course provides the student the opportunity to plan and manage globally diverse nursing care while affording the opportunity to understand and practice cultural humility. The student will have the opportunity to experience on-site exploration of global nursing. Requisites: CO, NURS 488.

Undergraduate/Graduate Credit

603 Health Assessment Across the Lifespan for the RN (2) Provides theory related to the nurse's role in performing health assessments across the lifespan. Requisites: PR, Current U.S. RN license, BIOL 230 and BIOL 230L; CO, NURS 603L.

603L Health Assessment Across the Lifespan for the RN Lab (1) Designed to assist the student to become adept in assessing the health status for individuals across the lifespan. Requisites: PR, Current U.S. RN license, BIOL 230 and BIOL 230L; CO, NURS 603.

612 Nursing Concepts for the RN (4) This course introduces students to nursing concepts critical to the nursing profession. Requisites: PR, Admission to the RN-BSN program and current U.S. RN license.

Graduate Credit (Graduate Standing required for all courses)

603G Health Assessment Across the Lifespan for the RN (2) Provides theory related to the nurse's role in performing health assessments across the lifespan.

603LG Health Assessment Across the Lifespan for the RN Lab (1) Designed to assist the student to become adept in assessing the health status for individuals across the lifespan.

612G Nursing Concepts for the RN (4) This course introduces students to nursing concepts critical to the nursing profession.

802 Advanced Health Assessment Practicum for Education and Administration (1) This course will assist the nurse educator and nurse administrator to attain competency in the health assessment of patients.
Requisites: PR, Admission to the MSN program.

807 Adv. Path, Pharm, & Health Assess. (3) This course will assist the nurse educator and nurse administrator attain a level of proficiency in understanding the pathophysiology, assessment data, and prescribing practices used in the primary care setting. Requisites: PR, Admission to the MSN program.

808 Advanced Statistics (3) This course addresses collecting, classifying, analyzing, utilizing and making inferences about statistical data applications regarding healthcare phenomenon.

809 Advanced Foundations for Nursing Practice (3)
This course will foster the application of advanced nursing leadership, evaluation of health promotion and maintenance activities for safe and quality patient care, and the assessment of epidemiological factors that influence health for individuals, families, and populations. Requisites: PR, Admission to the MSN program.

810 Developing Nursing Theories (3) The theory-research-practice relationship is examined as key to professional advanced nursing. Theory development in nursing is explored using selected criteria. Process and practice of nursing theory evaluation is considered. Requisites: PR, Admission to the MSN program.

814 Healthcare: Policy, Politics, Organization, and Cost (2)
This course will foster the development of advanced nursing capabilities to analyze health policy, finances, politics, and delivery systems to design strategies enhancing health outcomes for diverse populations. Requisites:: PR, Admission to the MSN or DNP program.

823 Advanced Nursing Practicum + (1) A practicum designed for the student to assess, analyze, and manage nursing care needs of human aggregates. Prerequisites: Admission to MSN program, NURS 808, NURS 810, NURS 811, NURS 812.

861 Complexity in Health Care Organizations (3) The course provides a foundation for the graduate student choosing nursing administration as an advanced practice role by introducing organizational and leadership theories and nurse leadership development in health care settings. Requisites: PR, NURS 810, and admission to the MSN program.

862 Administrative Management in Health Care Organizations (3) Principles and processes of management are introduced and expanded to relate to the dimensions of nursing administrative practice. Decision making and policy information are an integral part of this course. Requisites: PR, Admission to MSN or DNP program.

865 Evidence-Based Practice Project (3) This course will serve as an intensive inquiry into a particular area or problem in nursing or health care. Problem inquiry, research, analysis and dissemination will be completed regarding the student's phenomenon of concern. Requisites; Admission to MSN program, and NURS 808.

866 Teaching Strategies in Nursing (3) This course is designed to present theories and strategies of learning and teaching. Appropriate materials and methods for effective education in the classroom and clinical setting are also explored. Requisites: PR, Admission to MSN program; CO; NURS 867.

867 Apprenticeship: Teaching Strategies in Nursing (2) This apprenticeship course is designed to provide nurse educator role experiences. This practicum requires 90 clock hours (48 clock hours in direct patient care PLUS 42 clock hours in indirect role learning experiences). Clinical site and preceptor approvals required. Preceptors (2) must be MSN prepared RNs working in direct care and nursing education settings. Student clinical clearance is required. Contact nurs.contracts@fhsu.edu for more information. Prerequisites: Admission to MSN program, and approved for Nursing Clinical placement.

868 Curriculum Planning: Nursing Education (3) Curriculum theory and principles of nursing curriculum development are analyzed and synthesized to correspond with diverse educational programs. Requisites: PR, Admission to the MSN program; CO, NURS 869.

869 Apprenticeship: Nursing Education Curriculum (1) This apprenticeship course is designed to provide nursing curriculum development experiences. Requisites: PR, Admission to the MSN program, and approved for Nursing Clinical placement; CO, NURS 868.

870 Curriculum Evaluation: Nursing Education (3) This course is designed to prepare Nurse Educators to evaluate and discuss nursing curriculum and/or programs. Requisites: PR, Completed the MSN program.

872 Informatics in Healthcare Systems (3) The focus of this course is to use technological methods to improve patient care. Students will explore data mining , patient safety, privacy, and security. Point of care applications will be examined in an effort to improve quality care. Applications to improve student learning and implementation of evidence based practice will be explored. Requisites: PR, Admission to MSN or DNP program.

876 Apprenticeship: Nursing Administration (3) The apprenticeship is designed to give the graduate student practical experience in nursing administration or nursing education (see class schedule for specific titles). The student will explore the role and responsibilities of a nurse administrator or a nurse educator. Prerequisite: NURS 861 or NURS 862, Admission to the MSN program.

882 Research in Nursing (3) This course introduces the student to graduate research and examines methods of nursing research. Requisites: PR, Admission to the MSN program, and NURS 808.

890 Development of an Evidence Based Practice Project (1) This course will serve as the first credit hour of a three credit hour evidence based practice project. In this course each student will complete the foundation of an intensive inquiry into a particular area or problem in nursing or health care. Students must have a facilitator in a healthcare setting that is able to guide the student with the project. The project requires data collection and analysis. FHSU IRB approval is required. Healthcare site IRB approval is required. Contact nurs.contracts@fhsu.edu for more information. Requisites: PR, NURS 882, Admission to the MSN program.

891 Implementation and Evaluation of EBP Project (2) This two credit hour course completes the total three credit hour evidenced based practice project for graduate students. This course continues the intensive inquiry into a particular area or problem in nursing or health care established in NURS 890. The evidence based practice project will be finalized in this course, included planned project implementation, data gathering with evaluation, and project dissemination. Requisites: PR NURS 890, and Admission to MSN program.

899 Thesis + (1-6) Individual study of a selected problem relating to nursing practice or nursing education. Requisites: PR, Admission to the MSN program, NURS 882, PERM.

903 Advanced Health Assessment (2) Theory component of advanced comprehensive physical, psychosocial, and developmental assessment across the lifespan. Requisites: Admission to DNP program.

903L Advanced Health Assessment Practicum (1) Lab and clinical application of advanced health assessment skills analysis and synthesis of data to develop critical thinking skills and diagnostic reasoning. Requisites: PR, Admission to the DNP program.

905 Advanced Pharmacology (3) The clinical application of specific drugs commonly encountered in primary care settings is discussed. The use of protocols, prescriptions writing, and the ethical/legal, and economic issues surrounding the advanced nurses' role in prescribing and monitoring pharmacological therapist in the ambulatory setting are explained. Factors such as age appropriate content related to pharmacokinetics, dosages, expected outcomes, and side effects of the drugs are discussed. First line versus second line drugs, alternate drugs, drug interactions, adjusting drug dosages, patient education, and compliance issues related to drug therapy are addressed. The nurse's role and responsibility related to data collection, problem identification, and consultation with the physician is explored. Application is made through age appropriate studies. Requisites: PERM, PR, Admission to the DNP program.

906 Advanced Pathophysiology (3) Provides students with an in -depth scientific knowledge base relevant to selected pathophysiological states confronted in primary care. This provides a basis for the formulation of clinical decisions related to diagnostic tests and the initiation of therapeutic regimens. Age specific and developmental alterations are correlated with clinical diagnosis and management. Application is made through age appropriate examples. Requisite: PR, Admission to the DNP Program.

912 Primary Health Promotion (2) Primary health promotion and wellness of individuals and families throughout the lifespan are examined within a community context. Requisites: PR, Admission to the DNP program, NURS 808, NURS 810,.

916 Nurse Practitioner Roles in Primary Care (2) The course is designed to explore various advanced practice nursing roles. The advanced practice role is analyzed from a historical perspective and includes theoretical, research, ethical, legal, political and economic issues of the nurse practitioner. Current trends and future directions of the nurse practitioner. Current trends and future directions of the nurse practitioner are examined within the context of a diverse, global healthcare environment. Requisite: Admission to the DNP program.

918 Primary Care of the Family and Community (2)
This course presents knowledge necessary for the practice of primary health care of the well adult and geriatric populations. Course content includes the principles of health promotion, disease prevention and assessment, and management of common primary health care problems in diverse populations. Emphasis is placed on gender and age specific needs in addition to pathophysiologic processes underlying certain conditions. The impact of the family on the health of the adult and geriatric patient is explored. Requisites: PR, Admission to the DNP program; CO, NURS 919.

919 Primary Care: Adult and Geriatric Preceptorship (1) Preceptorship in primary health care of the adult and geriatric patient. This course is a clinical practicum focusing on adult and geriatric health care with an emphasis on health promotion, management of common health problems, and client education. A developmental approach across the lifespan is used in assessing the client and family in formulating the treatment plan. Students participate in a clinical rotation in an adult health care setting which provides the opportunity for health assessment of the adult and geriatric patient and formulation of a comprehensive plan of care. The role of the nurse practitioner as a primary health care provider in a variety of adult and geriatric settings is examined. Relevant resources and research related to the adult and geriatric patient are explored with the application of findings to the care of clients. Requisites: PR, Admission to the DNP program.
CO, NURS 918.

921 Primary Care I (3) The first of two core specialty courses using a systems approach that emphasizes a multi dimensional and inter-professional approach to assessment, differential diagnosis and treatment formulation from the primary care needs of individuals and families across the lifespan. Common health conditions are explored in relation to health promotion, health maintenance, assessment, diagnosis, and management of common episodic, chronic, and complex conditions affecting health. Students will develop skills in critical thinking and the use of evidence-based practice guidelines in developing the rationale for diagnosing and managing primary care needs. In addition to cultural and spiritual diversity, students learn patient preferences in health care decision making with a focus on person centered care. Requisites: Admission to the DNP program.

924 Primary Care I Preceptorship (3) Develops competency in implementing the nurse practitioner's role in health promotion, health protection, disease prevention, and treatment. Requisites: Admission to the DNP program and NURS 921.

925 Primary Care Diagnostics and Procedures (1) This course will assist the advanced practice nurse attain a level of proficiency in ordering, understanding and interpreting commonly used diagnostic studies and procedures specific to age, gender, and condition. Emphasis will be placed on performance of primary care procedures in laboratory and clinical settings. Requisites: PR, Core MSN curriculum, Core FNP curriculum; CO, NURS 926.

926 Diagnostics and Procedures Preceptorship (1) This clinical course will assist the advanced practice nurse attain a level of proficiency in ordering, understanding and interpreting commonly used diagnostic studies and procedures specific to age, gender, and condition. Emphasis will be placed on performance of Primary care procedures in laboratory and clinical settings. Requisites: PR, Admission to the DNP program; CO, NURS 925.

932 Primary Care II (3) The second of two core specialty courses using a systems approach that emphasizes a multi-dimensional & inter-professional approach to assessment, differential diagnosis and treatment formulation for the primary care needs of individuals and families across the lifespan. Common health conditions are explored in relation to health promotion, health maintenance, assessment, diagnosis, and management of common episodic, chronic, and complex conditions affecting health.
Students will develop skills in critical thinking and the use of evidence-based practice guidelines in developing the rationale for diagnosing and managing primary care needs. In addition to cultural and spiritual diversity, students learn patient preferences in health care decision making with a focus on person centered care. Requisites: PR, Admission to the DNP program and approved for Nursing Clinical placement.

934 Primary Care II Preceptorship (3) Develops competency in implementing the nurse practitioner's role in Health Promotion, Health Protection, Disease Prevention, and treatment, particularly chronic illness. Requisites: PR, Admission to the DNP program, aNURS 921, NURS 924; CO, NURS 932.

935 Primary Care for the Pediatric Population (2) This course presents knowledge necessary for the practice of primary health care of children. Course content includes the principles of health promotion, disease prevention and assessment, and management of common primary health care problems in diverse pediatric populations. Emphasis is placed on developmental needs and the pathophysiological processes underlying certain conditions. The impact of the family on the health of the child is explored.
Requisites: PR, Admission to the MSN program.

936 Primary Care for Pediatric Population Preceptorship (2) Preceptorship in primary health care of the child and adolescent. This course is a clinical practicum focusing on child and adolescent health care with an emphasis on health promotion, management of common health problems, and client education. A development approach across the lifespan is used in assessing the client and family in formulating the treatment plan. Students participate in a clinical rotation in a pediatric health care setting which provides the opportunity for health assessment of the child and adolescent and formulation of a comprehensive plan of care. The role of the nurse practitioner as a primary health care provider in a variety of pediatric settings is examined. Relevant resources and research related to the child and adolescent are explored with the application of findings to the care of clients.
Requisite: PR, Admission to the DNP program and NURS 935;

952 Foundations for the Doctoral Leader (3) This course is an introductory course to the DNP program. Students will review the various roles of the DNP. They will examine the DNP essentials and understand options related to the DNP capstone. Requisites: PR, Admission to the DNP program.

953 Evidence Based Practice & Scholarly Tools (3) Students will appraise evidenced based practice and evaluate its application in practice settings. The course will build on master's level research methodology as students investigate research problems and explore appropriate research designs to solving clinical questions. Requisites: PR, Admission to the DNP program.

954 Advanced Nursing Leadership (3) This course will incorporate leadership theories and communication techniques necessary to be an effective leader in a health care setting. Students will evaluate professional ethics in advanced nursing leadership roles and understand skills necessary for organizational systems leadership. Requisites: PR, Admission to the DNP program.

955 Evaluation and Management in Health Care Systems (3) This course will incorporate evaluation methods in healthcare systems with financial management skills necessary for the nursing leader. Students will evaluate organizational structures and the impact that both finances and structure play on quality patient care. They will further examine the role of quality improvement and accreditation in primary care. Requisites: PR, Admission to the DNP program.

956 DNP Research Methods (3) This course will incorporate a clinical research problem requiring data collection, data management and data analysis. Students will review route for scholarly dissemination. Requisites: PR, Admission to the DNP program.

957 DNP Project I (3) This course is the first of three clinical project courses that prepares advanced practice nurses for a clinical doctorate. Students in this course will identify a clinical problem and synthesize journal articles from a literature review. They will analyze ethical dilemmas related to their identified problem and explore options for data collection and analysis. Requisites: PR, Admission to the DNP program.

958 DNP Project II (2) This course is two of three scholarly project courses that prepares advanced practice nurses for a clinical doctorate. During this course students will finalize the Institution Review Board (IRB) process and implement their DNP project. Requisites: PR, Admission to the DNP program, NURS 903, NURS 904, NURS 908, NURS 910, NURS 912, and NURS 916.

959 DNP Project III (2) This course is the third course in a three part series of DNP project courses. In this course students will finalize their DNP project. Students will collect and analyze clinical data. They will cumulate their doctoral education through a completed DNP project that utilizes theory, research and practice. It will be disseminated into scholarly manuscript. Requisites: PR, Admission to the DNP program.

960 DNP Residency I (1) This course is an advanced residency course aimed at increasing student knowledge and skills in a specialty area. Students will implement advanced practice skills in health assessment, health promotion, pharmacology, diagnosis and treatment in a specialty setting. The clinical setting of choice is determined by the interests of the student. Clinical experience may be performed in acute care, a specialty clinic, family practice, community setting, long-term care or a hospital setting. Students will devise course goals with their instructor. Requisites: PR, Admission to DNP program.

961 DNP Residency II (1) This course is a rural residency course. Students will implement advanced practice skills in health assessment, health promotion, pharmacology, diagnosis and treatment in a rural setting. For the purpose of this course, a rural setting is defined as a rural community less than 5,000 people. The clinical setting of choice is determined by the interests of the student. Clinical experiences may be performed in acute care, family practice an area of specialty, community setting, long-term care or a hospital setting. Students will devise course goals with their instructor. Requisites: PR, Admission to the DNP program, NURS 932, and NURS 934.

Department of Psychology

For updated information, see our website at **www.fhsu.edu/psych/.**

The Department of Psychology offers courses (undergraduate and graduate) that provide a solid foundation in the science of behavior and mental processes. The undergraduate program prepares graduates who can compete effectively in the job market or who can go on to graduate study, if desired. The graduate programs serve essentially the same purposes, but at an advanced level.

The Department of Psychology is known for its faculty who are committed to achieving excellence in a number of areas including teaching, research, publishing, and community affairs, as well as other professional endeavors. While members of the faculty have varied interests that represent several active areas of psychology, each member fosters interaction with other colleagues. Such diversity is often viewed as a strength within the discipline and provides the student with a variety of viewpoints. Students who enter our programs are encouraged to become active participants in the dynamic and growing discipline of psychology. Faculty members are committed to the professional development of all psychology students. Upon declaring a major in psychology, each student is assigned an advisor. The student and advisor then develop a program of study that will best meet both the unique professional goals of the student, as well as fulfill departmental and university requirements.

Most classes are relatively small, so students are able to interact with professors should they need clarification of course material or other general advisement. At both the undergraduate and graduate level, students have the opportunity to work with faculty members and in some cases are supported by grants. Students are encouraged to publish or present their research at professional meetings. Students also have the opportunity to become members of Psi Chi, the national organization for psychology majors, and/or members of the Psychology Club, a local organization that sponsors social events that pertain to psychology. In total, the department offers a quality education in an environment with concerned professors who routinely use and encourage the use of advanced computer technology (a 25-machine computing facility is available in the department). Our programs provide a solid base for future employment opportunities, advanced coursework, and understanding behavior and mental processes.

Undergraduate Degrees

Bachelor of Arts: Psychology
Bachelor of Science: Psychology

Education Specialist Degree

Education Specialist: School Psychology

Graduate Degrees

Master of Science: Psychology (Clinical)
Master of Science: Psychology (Experimental)
Master of Science: Psychology (School)

Minor

Psychology

Certificates

Case Management Certificate
Behavioral Health Technician Certificate

Department of Psychology Faculty & Staff

Chair: Dr. Dharma Jairam

Professors: Dr. Janett Naylor-Tincknell, Dr. Carol Patrick

Associate Professors: Dr. Dharma Jairam, Dr. Leo Herrman, Dr. April Park

Assistant Professors: Brett Bieberle, Dr. Whitney Whitaker

Instructors: Angie Howard, Joshua Tanguay, Kenneth Windholz

Lecturers: Brooke Mann

Department Staff: Miranda Schmeidler, *Senior Administrative Assistant*

See department page online for full listing

Bachelor of Arts: Psychology

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Psychology Core

A total of 32 hours from…

Code	Course Title	Hours
PSY 100	General Psychology	3
PSY 101	Psychology as a Discipline & Profession	3
PSY 201	The Science of Psychology	3
PSY 300	Abnormal Psychology	3
PSY 334	Introduction to Cognitive Psychology	3
PSY 340	Social Psychology	3
PSY 400	Child and Developmental Psychology	3
PSY 480	Applied Statistics	4
PSY 498	Experimental Psychology Laboratory	4
PSY 665	Physiological Psychology ***OR***	
PSY 688	Neuropsychology	3

Psychology Electives

Choose 12 hours from the following:

Code	Course Title	Hours
PSY 315	Industrial Psychology ***OR***	
PSY 455	Organizational Psychology	3
PSY 325	Psychology of Human Sexuality	3
PSY 355	Drugs and Behavior	3
PSY 357	Forensic Psychology	3
PSY 359	Evolutionary Psychology	3
PSY 415	Adolescence	3
PSY 420	Psychology of Aging	3
PSY 225	Introduction to Therapeutic Skill	3
PSY 330	Elements of Learning	3
PSY 425	Personality	3
PSY 450	Perception	3
PSY 467	Testing and Psychological Measurement	3
PSY 683	History and Systems of Psychology	3

Electives

Choose 11 hours from the following:

	Course Title	Hours
	Free Electives	11

Totals

A total of 120 credits from...

University Requirements	65
Department Requirements	55
Total	**120**

Bachelor of Science: Psychology

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Psychology Core

A total of 32 hours from…

Code	Course Title	Hours
PSY 100	General Psychology	3
PSY 101	Psychology as a Discipline & Profession	3
PSY 201	The Science of Psychology	3
PSY 300	Abnormal Psychology	3
PSY 334	Introduction to Cognitive Psychology	3
PSY 340	Social Psychology	3
PSY 400	Child and Developmental Psychology	3
PSY 480	Applied Statistics	4
PSY 498	Experimental Psychology Laboratory	4
PSY 665	Physiological Psychology ***OR***	
PSY 688	Neuropsychology	3

Psychology Electives

Choose 12 hours from the following:

Code	Course Title	Hours
PSY 315	Industrial Psychology ***OR***	
PSY 455	Organizational Psychology	3
PSY 325	Psychology of Human Sexuality	3
PSY 355	Drugs and Behavior	3
PSY 357	Forensic Psychology	3
PSY 359	Evolutionary Psychology	3
PSY 415	Adolescence	3
PSY 420	Psychology of Aging	3
PSY 225	Introduction to Therapeutic Skill	3
PSY 330	Elements of Learning	3
PSY 425	Personality	3
PSY 450	Perception	3
PSY 467	Testing and Psychological Measurement	3
PSY 683	History and Systems of Psychology	3

Electives

Choose 21 hours from the following:

	Course Title	Hours
	Free Electives	21

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Minor in Psychology

Choose 21 credits from the following courses...

Code	Course Title	Credits
PSY 230	Psychology of Human Motives	3
PSY 300	Abnormal Psychology	3
PSY 330	Elements of Learning	3
PSY 334	Introduction to Cognitive Psychology	3
PSY 340	Social Psychology	3
PSY 400	Child and Developmental Psychology	3
PSY 425	Personality	3
PSY 450	Perception	3
PSY 467	Testing and Psychological Measurement	3
PSY 665	Physiological Psychology	6

The Department of Psychology offers many courses that have academic and applied relevance for other majors. The requirements for a minor in psychology are designed to be flexible and to complement the training of students in other disciplines. The requirements for the minor are listed. Specific programs for a minor should be developed in consultation with a psychology faculty advisor.

Interested in psychology but don't want to change majors? Get the both of both worlds with a minor in psychology! With flexible requirements and courses that will complement any major area of study, we've got the courses you need. All you'll need to do is stop by the Psychology Department Office (Martin Allen 104) and ask to be assigned a minor advisor. From there you will work with your minor advisor to develop a plan of coursework that is right for you.

Certificates in Psychology

Certificate in Case Management

A total of 18 credits from...

Code	Course Title	Credits
PSY 100	General Psychology	3
PSY 300	Abnormal Psychology	3
PSY 330	Elements of Learning	3
PSY 350	Case Management	3
PSY 400	Child and Development Psychology	3
PSY 476	Apprenticeship	3

Case managers are integral members of the treatment team at mental health centers. They work with adults and children who have significant mental health issues, assisting them in living as independently as possible in their communities.

Use your ingenuity, creativity, and problem solving skills to help other people grow, recover, live well, and be well, and gain the education and training you need to enter one of the fastest growing professions in the mental health field in Kansas.

This certificate has been developed through the collaborative efforts of Fort Hays State University's Psychology Department and High Plains Mental Health Center, helping ensure it meets the needs of today's mental health centers.

Certificate in Behavioral Health

Choose 13 credits from...

Code	Course Title	Credits
PSY 100	General Psychology	3
PSY 300	Abnormal Psychology	3
PSY 400	Child and Developmental Psychology ***OR***	
PSY 670	Childhood Psychopathology	3
PSY 476	Apprenticeship	1
PSY 685	Behavior Therapy	3

This certificate was developed through the collaborative efforts of Fort Hays State University's Psychology Department and KVC Wheatland Psychiatric Hospital. It is designed to give students in the behavioral sciences the skills to work as a treatment team member in a inpatient psychiatric child care facility. This certification should enhance the employability of the student in any child or adolescent psychiatric care facility.

Education Specialist: School Psychology

School Psychology Core
Choose 36 credits from...

Code	Course Title	Hours
AEP 880	Cultural Diversity	3
PSY 875	Legal Issues in Schools	3
PSY 981	Consultation in the Schools	3
PSY 984	Practicum in School Psychology	9
PSY 999	Field Study (Thesis) ***OR***	6
PSY 990	Portfolio in Psychology	
SPED 802	Theories of Exceptionality	3
SPED 811	Characteristics of Early Childhood SE	
SPED 812	Curriculum for Early Childhood SE	3
PSY Electives	Approved by School Psychology Director	6

Program Overview

The graduate program in school psychology at Fort Hays State University has a long history of preparing students for entry into the profession of school psychology. Upon completion of the program you will be eligible for licensure as a school psychologist in Kansas as well as other states.

The program can be completed in two full years of study. During the first year in residence at the Hays campus, you'll complete your Master's Degree (M.S.) in School Psychology.

During the second year of study, you'll complete a 600 hour practicum in a school district while completing requirements for the Specialist in Education (Ed.S.) degree. Students who have already earned a master's degree in an associated profession can move directly to the Ed.S. degree.

Master of Science: Psychology (School)

School Psychology Core
Choose 30 credits from...

Code	Course Title	Hours
PSY 670	Workshop in Psychology II	1
PSY 685	Behavior Therapy	3
PSY 810	Developmental Psychology I	3
PSY 820	Advanced Learning and Motivation	3
PSY 830	Professional Ethics in Psychology	3
PSY 840	Appraisal of Children	4
PSY 845	Experimental Methods	3
PSY 850	Inferential Statistics	3
PSY 880	Methods in School Psychology	3
PSY 881	Observation in School Psychology	1
Elective	Approved elective course	3

Fort Hays State University established a 30-hour master's degree program in psychology (school psychology concentration) because the completed master's degree is the prescribed degree for entry into a specialist degree program in school psychology.

Master of Science: Psychology (Clinical)

Methodology Core

A total of 12 credits from...

Code	Course Title	Credits
PSY 845	Experimental Methods	3
PSY 850	Inferential Statistics	3
PSY 899	Thesis	6

Clinical Core

A total of 40 credits from...

Code	Course Title	Credits
PSY 685	Behavior Therapy	3
PSY 800	Advanced Abnormal Psychology	3
PSY 830	Professional Ethics in Psychology	3
PSY 840	Appraisal of Children	4
PSY 855	Appraisal of Adults	6
PSY 860	Approaches to Psychotherapy	3
PSY 861	Couples Therapy	3
PSY 877	Seminar in Community Mental Health	3
PSY 890	Practicum in Applied Psychology	5
PSY 892	Internship in Clinical Psychology	10

General Core

A total of 6 credits from...

Code	Course Title	Credits
PSY 810	Developmental Psychology I	3

Choose one of the following courses:

Code	Course Title	Credits
PSY 668	Neuropsychology	3
PSY 820	Advanced Learning and Motivation	3
PSY 866	Physiological Psychology	3

Electives

A total of 2 credits from...

Selected in consultation with the program director.

Master of Science: Psychology (Experimental)

Experimental Core

A total of 33 credits from...

Code	Course Title	Credits
PSY 668	Neuropsychology	3
PSY 810	Developmental Psychology I	3
PSY 820	Advanced Learning and Motivation	3
PSY 845	Experimental Methods	3
PSY 850	Inferential Statistics	3
PSY 899	Thesis	6
Electives	Approved electives	12

This program offers you maximum flexibility in terms of breadth and depth of courses offered. The Experimental Psychology emphasis can be used as a stepping stone to a more specialized PhD program, to pursue a teaching career at the community college level, or for a variety of other purposes.

Course Listing - Psychology

Undergraduate Credit

100 General Psychology* (3) This course involves a survey of principles related to human and animal behavior. The focus will be on the evaluation of theories and methods of analyses, related research, and practical applications of principles of behavior.

101 Psychology as a Discipline and Profession (1) An introduction to specific areas of psychology and to the organization of psychology as a discipline. Students will interact with all faculty members of the psychology department.

110 Psychology of Adjustment (3) The course provides students with objective skills to view their own behavior, procedures to change their behavior, and the skills needed to encourage and support themselves throughout change.

120 Methods of Child Management (1-3) Knowing, understanding, and developing appropriate skills to help the child make an adequate adjustment to current societal demands.

170 Workshop in Psychology I + (1-3) Students will explore new skills, techniques, and information related to a problem or area of interest or practical application.

200 Advanced General Psychology (3) This course involves the acquisition of basic skills and knowledge of the principles related to the study and understanding of human behavior, integrating prior learning from the general psychology course. Students in the course will examine careers in various disciplines of psychology and will engage in critical thinking exercises regarding each discipline. Students will also learn some basic tools needed to facilitate future learning in the study of psychology, including APA writing style, APA ethical standards, how to critique a journal article, and the contrasting theoretical underpinnings of psychology. Requisites: PR, PSY 100.

201 Advanced General Psychology (3) This course will give students the fundamental skills in psychology and science to become critically thinking, research oriented life-long learners. Students will learn to evaluate scientific claims, concepts, and principles to be better able to understand and apply psychological research findings.

225 Introduction to Therapeutic Skills (3) This course prepares students to become familiar with fundamental skills needed for working in the area of human services, as well as to utilize appropriate skills and techniques needed to work efficiently and professionally with the public.

230 Psychology of Human Motives (3) An introduction to the causes (biological, psychological, and social) of human behavior. Requisites: PR, PSY 100.

276 Apprenticeship in Psychology + (1-3) Course is designed to provide practical experience in teaching and administration in psychology. Requisites: PERM.

277 Early Field Experience: Psychology Education (1) This course provides social science education majors with observational and participatory experiences in their area of specialization. Students will be placed in a school situation in order to introduce them to the classroom teaching experience. Pass/No Credit.

300 Abnormal Psychology* (3) A study of the classification, description, causes, and treatment of psychological disorders. Requisites: PR, PSY 100.

315 Industrial Psychology (3) A survey of psychological principles that apply to behavior in work situations and related issues such as selection decision, appraisal, training, motivation, leadership, and job design. Experiential activity will provide concrete, related learning experience. Requisites: PR, PSY 100, PSY 250, or PERM.

320 Psychology of Personality Development (3) A course designed to introduce the major theories of personality development, as well as to provide exercises that may enable students to gain insight into their own unique personality development. Requisites: PR, PSY 100.

325 Psychology of Human Sexuality (3) This course will examine the interrelated physiological, psychological and sociocultural aspects of human sexuality. PR, PSY 100.

330 Elements of Learning (3) A beginning course in the fundamental principles of learning, including classical conditioning, operant conditioning, and concept formation. Requisites: PR, PSY 100.

334 Introduction to Cognitive Psychology (3) The study of normal human cognitive processes, i.e., those activities involving thinking, reasoning, problem solving, decision making, and remembering. Information processing forms the framework for study. The historical threads leading to current widely believed analogies between computing machines and the human mind/brain will be examined. Specific techniques for more efficient memory and practical problem-solving strategies will be examined.

339 Cognitive Psychology Laboratory (2) A laboratory in the experimental study of cognitive processes. Requisites: PR, PSY 100.

340 Social Psychology* (3) This course involves the study of the individual in social interaction and social influence situations. The focus will be on the investigation of theoretical, empirical, and practical issues related to interpersonal behavior and group processes. Requisites: PR, PSY 100.

350 Current Issues in Psychology + (1-3) The subject matter will vary from semester to semester. Students pursue intensive study in one area of psychology. Requisites: PR, PSY 100.

355 Drugs and Behavior (3) A course designed to provide the student with an understanding of the methods and principal findings concerning the psychological and physiological bases of psychoactive and abused substances. Requisites: PR, PSY 100.

357 Forensic Psychology (3) This course covers the interrelations between psychology and the legal system, including: forensic career options; psychological services provided for police, the military, criminals, and victims; psychology's role in criminal profiling and in courts (criminal, civil, adult and juvenile); the development of criminal behavior; and the multiple types of crime (violent, property, etc.).

359 Evolutionary Psychology (3) The primary purpose of this course is to provide the students with an introduction to the field of evolutionary psychology and apply the principles of natural selection, adaptation, and sexual selection to human behavior.

360 Introduction to Altered States of Consciousness (3) This course will provide an overview of techniques that result in different levels of altered consciousness, including relaxation, meditation, hypnosis, and the principles of biofeedback. Requisites: PR, PSY 100.

400 Child and Developmental Psychology (3) A survey course dealing with the theoretical assumptions of why changes in behavior occur during the growth and development of the individual. Requisites: PR, PSY 100.

409 Child and Developmental Psychology Laboratory (2) A laboratory in the experimental study of child behavior. Reports will be submitted in publishable form. Requisites: PR or co-requisite, PSY 400.

415 Adolescence (3) This course examines the biological, cognitive and emotional changes that take place during adolescence and their influence on the behavior, concerns, and problems of adolescents. Requisites: PR, PSY 100 or PERM.

419 Advanced Psychology Laboratory (3) A laboratory in the experimental study of behavior and cognition. Requisites: PR, PSY 259.

420 Psychology of Aging (3) This course examines the effects of the aging process and includes the influence of stereotypes, physiological and psychological changes, and environmental forces on the beliefs, self-esteem, and actions of aging persons. Requisites: PR, PSY 100.

425 Personality (3) A survey of theories of personality. Special emphasis is given to considering and comparing the key concepts of the more important theories. Pertinent research findings are also examined. Requisites: PR, PSY 100.

435 Ethology (3) The study of behavior with a consideration for evolutionary perspectives. Emphasis will be upon comparisons of species-characteristic behavior and on data yielded by observational methods. Requisites: PR, PSY 100.

440 Senior Seminar (1) Senior psychology students will learn about career options, making career decisions, and applying to graduate school. The goal of the seminar is to prepare students for life after college. Requisites: PR, Senior standing.

449 Social Psychology Laboratory (2) Students will conduct a replication of a published experiment in an area of social psychology. Reports will be submitted in publishable form. Requisites: PR, PSY 340.

450 Perception (3) A survey of method and results of studies in perception with emphasis upon detection, discrimination, recognition, scaling, and information processing models. Requisites: PR, PSY 100.

455 Organizational Psychology (3) The student will learn about the complex social processes governing work behavior and how organizational structure influences worker motivation, job satisfaction, work performance, and leadership within the organization. Experiential activity will provide related learning experience, focusing on work group behavior. Requisites: PR, PSY 315 or PERM.

459 Perception Laboratory (2) A laboratory in the areas of perception and psychophysics. Requisites: PR or co-requisite, PSY 450.

467 Testing and Psychological Measurement (3) Students will study the concepts and skills necessary in measuring the psychological differences in individuals and the importance of high-quality measurement in research and in decision making. Selection and construction of tests will be covered. Requisites: PR, PSY 100, PSY 250.

469 Physiological Psychology Laboratory (2) An introductory laboratory for the study of physiological correlates of behavior. Requisites: PR, co-requisite, PSY 465.

472 Readings in Psychology I + (1-3) Readings and written reports on special topics in psychology. Requisites: PERM.

473 Problems in Psychology I + (1-3) Research appropriate to the student's field of interest. Requisites: PERM.

474 Independent Studies in Psychology I + (1-3) Intensive inquiry into various areas of psychology. Requisites: PERM.

475 Seminar in Psychology I (1-3) Subject of the study varies with each offering. Includes, but is not restricted to, motivation, comparative and animal behavior, advanced social processes, learning, perception, and personality theory. Requisites: PR, PERM.

476 Apprenticeship in Psychology II + (1-3) Course is designed to provide practical experience in teaching and administration in psychology. Requisites: PERM.

480 Applied Statistics in the Behavioral Sciences (4) An introduction to methods of analysis of research data in the behavioral and social sciences. Includes measurement problems, data description, frequency distributions, central tendency, variability, norms, correlation, hypothesis testing, decision making, and evaluation of the results of empirical investigations. Emphasis will be placed on real world applications of statistics. Requisites: PR, PSY 100 and high school algebra or a college-level math course. PR, PSY 100.

490 Practicum in Applied (Clinical) Psychology (1-9) Supervised work experience in a psychological clinic, mental health clinic, or state hospital setting. Requisites: PERM.

498 Experimental Psychology Laboratory (4) A beginning course in the basic techniques in experimental methodology: how to formulate a problem, design a study to answer the question, organize the results, and communicate them in a formal style. Requisites: PR or co-requisite, PSY 200, PSY 250.

499 Senior Thesis (5) Independent original research under the supervision of a staff member. Students are required to submit a report of their findings in publishable form. Requisites: PR, PSY 250; senior standing; PERM.

Undergraduate/Graduate Credit

634 Models of Memory (3) This course covers our basic understanding of how memory works, both theoretical and applied. Topics include research methodology, specific models of learning and forgetting, and clinical aspects such as amnesia and repressed memory. Requisites: PR, PERM.

665 Physiological Psychology (3) A survey of the physiological correlates of behavior, including a study of the nervous, sensory, and endocrine systems. Requisites: PR, PSY 100.

668 Neuropsychology (3) This course covers a number of topics in neuropsychology, including the mapping of mental functioning onto the brain and the assessment of selected neurological difficulties. Requisites: PR; PSY 100, BIOL 121, PSY 665 or PERM

670 Workshop in Psychology II + (1-3) This workshop is an in-service improvement activity in which the students will explore new skills, techniques, and information related to a problem or area of interest or practical application.

683 History and Systems of Psychology (3) Historical analysis of psychological thought from the 17th century to the present.

685 Behavior Therapy (3) A study of the principles and procedures of behavior therapy and their applications in clinical, school, and home settings. Requisites: PR, PSY 330.

Graduate Credit

- **All 800-900 level courses require admission to a graduate program in the Department of Psychology.**

800 Advanced Abnormal Psychology (3) The course will emphasize recent experimental findings and their relevance to clinical practice. Requisites: PR, PSY 300.

810 Developmental Psychology I (3) This course reviews theoretical foundations of developmental psychology. The applications of developmental theory to the practice of psychology with children will also be considered.

812 Advanced Child Psychopathology (3) This course examines the symptoms, diagnosis, etiology (including nature/nurture), treatment, prevention and controversial issues surrounding child psychopathologies such as ADHD, Conduct Disorders, Autism and Autism Spectrum Disorders, Child Onset Schizophrenia, Mood Disorders, Anxiety Disorders, Trauma, Social Withdrawal, and Somatoform Disorders. Requisites: Admission to a psychology graduate program, PERM.

815 Developmental Psychology II: Psychology of Aging (3) This course examines development into adulthood and the aging process and includes the influence of stereotypes, physiological and psychological changes, and environmental forces on the beliefs, self-esteem, and actions of aging persons.

817 Cognitive Development (3) This course surveys the various perspectives used to study and explain the development of knowledge, thinking, memory, and logic in human beings. The primary focus of the course is on children. The work of Piaget, Vygotsky, and other perspectives involving behaviorism and information processing are compared and contrasted. Requisites: PR, PSY 100.

820 Advanced Learning and Motivation (3) This course discusses the principles of learning and the processes motivating behavior. Requisites: PR, PSY 230, PSY 330, or PERM.

830 Professional Ethics in Psychology (3) A study of current ethics codes for psychologists and their application to activities related to psychotherapy, psychological assessment, research, and teaching. Includes a focus on procedures to help insure professional conduct and avoidance of malpractice. Requisites: PERM.

840 Appraisal of Children (4) Practice in administration, scoring, and interpretation of a wide variety of diagnostic instruments. Emphasis on report writing, theory of intelligence testing, and best practices of assessment. Permission to enroll in this course is limited to graduate students in the school psychology and clinical psychology programs. Requisites: PERM.

845 Experimental Methods (3) Study of experimental methods in psychology. Provides experience in formulating experimental problems, designing experiments, collecting data, analyzing and interpreting data, and writing scientific reports. Requisites: PR, PSY 250 or PERM.

846 Program Evaluation (3) This course surveys alternative models and elements of program evaluation in the behavioral sciences. It is designed to train evaluators to make valid conclusions about the success or impact of social programs, the generalizability of results, and causes underlying results. Requisites: PR, PSY 250 or equivalent.

850 Inferential Statistics (3) Hypothesis testing and basic experimental design. Applications of *t, F*, and Chi-square distributions. Requisites: PR, PSY 250.

855 Appraisal of Adults (6) An intensive study of methods for appraising adult intelligence and personality. Requisites: PR, PSY 840, PERM.

860 Approaches to Psychotherapy (3) A survey of the major approaches to psychotherapy. Emphasis is also given to specific approaches for frequently encountered problems such as depression, eating disorders, and marital distress. Requisites: PERM.

861 Couples Therapy (3) A survey and application of psychological theories and techniques for conducting clinical psychotherapy with couples, includes special topics in working with couples and issues of diverse couples. Requisites: PR, PSY 860.

869 Physiological Psychology Laboratory (2) An introductory laboratory for the study of physiological correlates of behavior. Requisites: PR, co-requisite, PSY 866.

872 Readings in Psychology II+ (1-3) Readings and written reports on special topics in psychology. Requisites: PERM.

873 Problems in Psychology II+ (1-3) Research appropriate to the student's field of interest. Requisites: PERM.

874 Independent Studies in Psychology II+ (1-3) Intensive inquiry into various areas of psychology. Requisites: PERM.

875 Seminar in Psychology II+ (1-3) Subject of study varies with each offering. Includes, but not restricted to, motivation, comparative and animal behavior, advanced social processes, learning, perception, and personality theory.

876 Apprenticeship in Psychology III+ (1-3) Course is designed to provide practical experience in teaching and administration in psychology. Requisites: PERM.

877 Seminar in Community Mental Health (1-3) A course designed to bridge the gap between academic and applied psychology settings. There will be an examination of the historical and sociological aspects of public institutions and community mental health programs. Requisites: PERM.

880 Methods in School Psychology (3) Emphasis on the best practices, content, problems, philosophies, and current trends in the field of school psychology. Requisites: PERM.

881 Observation in School Psychology + (1-3) Designed to provide students in school psychology with an advanced "shadow" a currently employed school psychologist and make systematic observations of school children's behavior for an extended period during the semester. The student will obtain experience directly and indirectly related to school psychology. Requisites: PR, Admission to graduate program in School Psychology and PERM.

890 Practicum in Applied Psychology + (1-4) Supervised training in psychotherapy, psychological, and psycho-educational assessment in the Kelly Center. Requisites: PR, PSY 860, PERM.

892 Internship in Clinical Psychology + (1-10) Supervised work experience (600 clock hours) in an off-campus mental health agency such as a state hospital or community mental health center. Supervision will be provided by both university and field supervisors. Requisites: PR, admission to clinical psychology master's program, PSY 890, PERM.

895 Pro-Seminar in Psychology + (1) An intensive survey of psychological problems with participation by students and faculty. Requisites: PERM.

899 Thesis + (3) A student may enroll in this course a maximum of two times. Requisites: PERM.

972 Readings in Psychology III + (1-3) Readings and written reports on special topics in psychology. Requisites: PERM.

973 Problems in Psychology III + (1-3) Research appropriate to the student's field of interest. Requisites: PERM.

974 Independent Studies in Psychology III + (1-3) Intensive inquiry into various areas of psychology. Requisites: PERM.

975 Seminar in Psychology III + (1-3) Subject of study varies with each offering. Includes, but not restricted to, motivation, comparative and animal behavior, advanced social processes, learning, perception, and personality theory.

981 Psychological Consultation in the Schools (3) This course emphasizes the role of consultation in the schools in terms of theory, research, and applied procedures. There is an examination of the various models of consultation, major approaches to school-based consultation, and intervention strategies. Requisites: PERM.

984 Practicum in School Psychology + (3-9) Supervised work experience in local education agency. Supervision will be provided by university faculty and field supervisors. Requisites: Admission to Ed.S. program in School Psychology, PSY 840, PSY 880; PERM.

985 Internship in School Psychology I + (2) A full-time work experience of at least 500 clock hours. It provides the beginning school psychologist with appropriate experiences in a Kansas school system. Supervision will be provided by both university and field supervisors. Requisites: Completion of degree requirements for Ed.S. and provisional certification as a school psychologist.

986 Internship in School Psychology II + (2) Continuation of PSY 985 Internship in School Psychology I, with at least 500 additional clock hours. Supervision will be provided by University Faculty and Field Supervisors. This internship completes requirements of the KSBE for School Psychologists. Requisites: Completion of degree requirements for Ed.S. and provisional certification as a school psychologist.

990 Professional Portfolio in School Psychology + (3) Preparation of a portfolio as outlined by the National Association of School Psychologists (NASP) for national certification.
Requisites: Admission to Ed.S. program in School Psychology and PERM. Should be taken twice for a total of six credit hours.

999 Field Study (Thesis) + (3) Empirical research resulting in a bound thesis. A student may enroll in this course a maximum of two times. Requisites: Admission to Ed.S. program in School Psychology and PERM.

*General Education course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Social Work

What is Social Work?

The historic mission of social work has been to help people who are disadvantaged. Today, social workers assist people from all walks of life with all kinds of problems in all kinds of settings. They help people cope with complex interpersonal and social problems and assist in obtaining resources for people. A Bachelor of Social Work (BSW) provides you the education and training you need to begin a career helping those who need it most.

Bachelor of Social Work

The primary purpose of the social work program is to prepare students for beginning generalist social work practice. The social work program requires both liberal arts and professional foundation courses. The major provides beginning generalist social workers with a specific body of professional knowledge, values, and skills to practice with individuals, families, groups, organizations, and communities. Professional content includes social work values and ethics, diversity, populations-at-risk, promotion of social and economic justice, human behavior and the social environment, social welfare policy and services, social work practice, research, and field practicum.

Individuals wanting to complete a social work degree will initially be considered pre-social work majors. Every pre-social work major must meet with the director of social work prior to applying for the program. Pre-social work majors must have completed 60 credit hours of coursework, including SOCW 260 Introduction to Social Work and be enrolled in SOCW 380 Generalist Practice: Introduction to Practice, before making formal application to the program. The student must earn a grade of "C" or better in each social work course, a 2.75 or better grade point average (GPA) in the major, and an overall cumulative GPA of at least 2.30.

The Social Work Program at Fort Hays State University is accredited at the baccalaureate level by the Council on Social Work Education.

In accord with the Council on Social Work Education's evaluative standards, the Social Work Program does not grant academic credit for life experience or previous work experience.

Undergraduate Degrees

Bachelor of Social Work: Social Work

Graduate Degrees

Masters of Social Work: Social Work (Clinical)

Department of Social Work Faculty & Staff

Chair: Dr. Tim Davis

Professors: Dr. Tim Davis, Patricia Levy, Octavio Ramirez

Associate Professors: Jung Hee Lee, Elaine Spencer-Carver

Assistant Professors: Vinod Srivastava, Rhonda Weimer, Kendal Carswell

Instructors: Rekala Tuxhorn

Department Staff: Jennifer Whitmer, *Administrative Assistant*

See department page online for full listing

Department of Social Work
Fort Hays State University
600 Park Street
Albertson Hall 103
Phone: 785-628-4755
Email: socialwork@fhsu.edu

Bachelor of Social Work: Social Work

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
MLNG 225 Beginning Spanish I	5
PHIL 100 General Logic or PHIL 120	3
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Laboratory Experience in Biology	1
MATH 250 Elements of Statistics	3
One elective	3
Social and Behavioral Sciences	
PSY 100 General Psychology	3
SOC 140 Introduction to Sociology	3
One Elective	3
Upper-Division Integrative Course	
IDS 300 Economic Ideas and Current Issues	3
Other Specified Liberal Arts Requirements	
ENG 603 Technical and Professional Writing	3

Social Work Core

A total of 54 hours from…

Code	Course Title	Hours
SOCW 362	Methods of Social Research	3
SOCW 260	Introduction to Social Work	3
SOCW 310	Social Welfare Policy and Services I	3
SOCW 320	Human Behavior & Social Environment I	3
SOCW 322	Human Behavior & Social Environment II	3
SOCW 380	Generalist Practice: Introduction to Practice	3
SOCW 381	Generalist Practice: Helping Relationship	3
SOCW 382	Generalist Practice: Group Systems	3
SOCW 410	Social Welfare Policy and Services II	3
SOCW 420	Human Behavior & Social Environment III	3
SOCW 461	Generalist Practice: Family Systems	3
SOCW 463	Introduction to the Practicum	3
SOCW 467	Social Work Professional Seminar	3
SOCW 468	Field Practicum	9
SOCW —-	Social Work Elective	3

Social Work Electives

Choose 3 hours from the following…

Code	Course Title	Hours
SOC 670	Workshop: Pharmacology & High Risk…	3
SOC 670	Workshop: Client Management…	3
SOCW 620	Spirituality and Aging: Empowering…	3
SOCW 670	Workshop in Social Work	3
SOCW 671	Independent Study in Social Work	3
SOCW 672	Internship in Social Work	3
SOCW 615	Topics: Social Work	3

Totals

A total of 121 credits from...

University Requirements	54
Department Requirements	66
Total	**120**

Masters of Social Work: Social Work (Clinical)

Social Work Regular Pathway

A total of 64 hours from…

Code	Course Title	Hours
SOCW 810	Social Welfare Policy and Analysis	3
SOCW 815	Social Work Research Methods and Data Analysis	3
SOCW 820	HBSE I: Micro Knowledge and Theory	3
SOCW 825	HBSE II: Mezzo/Macro Knowledge and Theory	3
SOCW 830	Generalist SW Practice I: Micro Skills	3
SOCW 835	Generalist SW Practice II: Mezzo/Macro Skills	3
SOCW 840	Generalist SW Field Practicum	6
SOCW 845	Generalist SW Field Practicum II	6
SOCW 850	Assessment and Treatment of Mental Disorders I	3
SOCW 855	Assessment and Treatment of Mental Disorders II	3
SOCW 860	Personal and Professional Development Seminar	3
SOCW 870	Medical Social Work and Behavioral Health Practice	3
SOCW 880	Advanced Clinical SW Practice with Individuals	3
SOCW 890	Advanced Clinical SW Field Practicum I	6
SOCW 865	Social Work Supervision and Agency Management	3
SOCW 875	Forensic Social Work Practice	3
SOCW 885	Advanced Clinical SW Practice with Groups and Families	3
SOCW 895	Advanced Clinical SW Field Practicum II	6

Social Work Advanced Pathway

A total of 36 hours from…

Code	Course Title	Hours
SOCW 850	Assessment and Treatment of Mental Disorders I	3
SOCW 855	Assessment and Treatment of Mental Disorders II	3
SOCW 860	Personal and Professional Development Seminar	3
SOCW 870	Medical Social Work and Behavioral Health Practice	3
SOCW 880	Advanced Clinical SW Practice with Individuals	3
SOCW 890	Advanced Clinical SW Field Practicum I	6
SOCW 865	Social Work Supervision and Agency Management	3
SOCW 875	Forensic Social Work Practice	3
SOCW 885	Advanced Clinical SW Practice with Groups and Families	3
SOCW 895	Advanced Clinical SW Field Practicum II	6

Course Listing - Social Work

Undergraduate Credit

260 Introduction to Social Work (3) Introduction to the social service delivery systems in the United States, with an emphasis on the social work profession: its mission, philosophy, ethics, values, diverse fields, and ethno cultural perspectives. Observations of social service agencies and guest speakers provide a career orientation to the social work profession. Requisites: PR, SOC 140, PSY 100, and PERM.

310 Social Welfare Policy and Services I (3) Examination of the historical evolution of social welfare and the social work profession, with focus on the social policies which comprise the foundation of the welfare state in the United States. Present patterns of social welfare services are to be examined. Emphasis is on the historical evolution of contemporary social problems. Oppression, discrimination, social justice issues and policies, and their impact on diverse populations at risk will be explored. Requisites: PR, SOCW 260 and PERM.

320 Human Behavior and the Social Environment I (3) Critical analysis of perspectives on the person and on the physical and sociocultural environment. The focus is on the fit between person and environment, with attention to biological, psychological, and social dynamics that impair or facilitate person/environment fit. There is particular concern with the process of social and cultural stratification and oppression within society, communities, institutions, organizations, and groups, and the effects of confrontation and contact between those cultures and the dominant American culture is reviewed, with special attention to social work issues. The rural environment as a context affecting biological, psychological, and social dynamics is considered. Requisites: PR, SOCW 260 and PERM.

322 Human Behavior and the Social Environment II (3) Examination of development in the intertwined individual and family life cycles as a transactional process involving the material interaction of environmental, bio-psycho-social, economic, and ethno cultural factors, including race, ethnicity, sexual orientation, gender, and family structure. The focus is on the evolving fit between the developing individual and family and the risk and protective factors in a changing environment. Special attention is paid to how the process impacts western Kansas populations at risk. There is particular concern with developmental settings, including family, school and work, and the ways they impact and are impacted by developing individuals and families, concepts of diversity, values and ethical issues, and theoretical perspectives as they apply to social work practice area examined. Requisites: PR, SOCW 320 and PERM.

362 Methods of Social Research (3) The process of knowledge production and research design. Selected aspects of the philosophy of science and the logic of inquiry are related to the basic techniques of qualitative and quantitative research. Requisites: PR; SOC 140 or PERM.

380 Generalist Practice: Introduction to Practice (3) As the first of five generalist practice courses, this foundation course provides entry-level theory, knowledge, research, values, and skills for social work practice. Self-awareness, problem-solving, interviewing, professional relationships, intervention planning and skills, and ethics are explored. This course focuses on individuals but introduces family, group, organizational, and community systems. An ethno-cultural perspective with particular focus on western Kansas, urban/rural regions is emphasized. The student will complete fifty (50) hours of non-paid service in a community agency of the student's choice, with the instructor's approval. Requisites: PR, SOCW 260 and PERM.

381 Generalist Practice: The Helping Relationship (3) As the second generalist practice course, this course provides entry-level theory, knowledge, research, values, and skills for social work practice with individuals. This course builds upon the generalist problem-solving model, interventive methods, and planning introduced in SOCW 380. An ethno cultural perspective with particular focus on western Kansas, urban/rural regions is emphasized. Requisites: PR, SOCW 380 and PERM; co-requisites, SOCW 382.

382 Generalist Practice: Group Systems (3) As the third generalist practice course, this course provides entry-level knowledge, values, and skills for social work practice with group systems. This course builds upon the generalist social work process. An ethno cultural perspective with particular focus on western Kansas, urban/rural regions is emphasized. Requisites: PR, SOCW 380 and PERM; co-requisite, SOCW 381.

410 Social Welfare Policy and Services II (3) This is the second of two social welfare policy and services courses and builds upon SOCW 310. This course is designed to provide entry-level theory, knowledge, research, values, and skills for social welfare policy practice. Emphasis is upon the processes and methods of designing, enacting, implementing, and evaluating social welfare policies/services at the local, state, and federal levels. Value and ethical considerations related to policy, evaluation frameworks and research methodologies are presented. Various organizational and political processes used to implement/influence welfare policies/services are reviewed. Requisites: PR, SOCW 310.

420 Human Behavior and the Social Environment III (3) An analysis for social workers of causes and dynamics of problems in person-environment fit and the associated difficulties in biopsychosocial functioning. Primary focus is on substance abuse. This course also introduces a wide range of psychiatric disorders. Students are asked to consider the impact of the rural, western Kansas environment on problem dynamics and service system response. Requisites: PR, SOCW 320, SOCW 322, and PERM.

461 Generalist Practice: Family Systems (3) As the fourth generalist practice course, this course provides entry-level knowledge, values, and skills for social work practice with family systems. This course builds upon the generalist social work problem-solving model. An ethno cultural perspective with particular focus on western Kansas, urban/rural regions is emphasized. Requisites:

PR, SOCW 380, SOCW 381, SOCW 382, and PERM.

462 Generalist Practice: Organizational and Community Systems (3) As the last of the five generalist practice courses, this course provides entry-level theory, knowledge, research, values, and skills for social work practice with organizations and communities. This course builds upon the concepts/processes of problem-solving, planned change, and intervention methods from previous practice courses, with the emphasis on organizational and community knowledge skills, and strategies of change. An ethno cultural perspective with particular focus on western Kansas, urban/rural regions is emphasized. Requisites: PR, SOCW 380, SOCW 381, SOCW 382, and PERM.

463 Introduction to the Practicum (3) This course prepares students for the required field practicum in the final semester of the social work program. Interviewing, stress and time management, court testimony, documentation, career objectives, and practicum site selection are specific goals of this course. Students learn a theoretical context upon which to base the practicum. Requisites: PR, SOCW 380, SOCW 381, SOCW 382, and PERM; co-requisites, SOCW 461, SOCW 462, and PERM.

467 Social Work Professional Seminar (3) A capstone seminar that accompanies the field practicum and enables social work majors to integrate theory, values, skills, ethics, and ethno cultural competence. Emphasis is on self-analysis and evaluating one's own practice. Requisites: PR, All required social work courses; co-requisite, SOCW 468.

468 Field Practicum (12) A field experience that provides social work majors with supervised learning experiences within selected social welfare agencies. A capstone seminar accompanies this practicum in order to enable students to integrate and apply classroom learning in a field setting. An ethno cultural practice perspective is emphasized. The field practicum preparatory course, Introduction to the Practicum, is taken the semester immediately preceding the practicum. Four hundred fifty (500) hours of field practicum experience are required. Requisites: PR, All required social work courses; co-requisite SOCW 467.

Undergraduate/Graduate Credit

615 Topics in Social Work + (1-3) The subject matter for this course will vary from semester to semester. Topics will include areas of major interest and concern related to social work practice. Examples are topics such as social work and the law and co-occurring disorders. Requisites: PERM.

617 Family Mediation (3) This course is designed to provide an understanding of dispute resolution and particularly the use of mediation in family conflicts. The major topics include the mediation process, developing active listening and negotiation skills, divorce and child custody issues, parent/child issues, and simulated role-plays. The course will feature materials from texts, articles, handouts, films, speakers, and student participation in actual case mediations. Requisites: PR, SOCW 616 Core Mediation.

620 Spirituality & Aging: The Empowering Relationship (3) Students will learn a multicultural approach to concepts of spirituality, aging, and empowerment in American society. The course will also examine the role of social workers and gerontology professionals in relationship to the impact of chronic illness on the psychosocial, economic and spiritual contexts of aging adults in our society. Requisites: PR, Junior or Senior Standing or Permission of the Instructor.

670 Workshop in Social Work + (1-3) Selected topics are subjected to intensive examination. Emphasis on student participation in discussions and extra class projects. Of special interest to students in the areas of social work, teaching, human services, and school administration. Requisites: PR, PERM.

671 Independent Study in Social Work + (1-3) Reading and/or research programs to fit the individual needs of advanced undergraduates in social work. Topics are chosen in consultation with a faculty advisor. Requisites: PR, PERM.

672 Internship in Social Work + (1-3) For social work majors with good academic standing. Provides practical experience in community organizations and social agencies. Systematic recording and reporting of the work experience and supplementary reading are required. Requisites: PR, PERM.

*General Education Course
+Course may be repeated

Werth College of Science, Technology, and Mathematics

DEPARTMENTS

Agriculture

Applied Technology

Biological Sciences

Chemistry

Computer Science

Geosciences

Mathematics

Physics

LEADERSHIP

P. Grady Dixon	Dean
Clyde Cranwell	Agriculture, Chair
Kim Stewart	Applied Technology, Chair
Tara Phelps-Durr	Biological Sciences, Chair
Arvin Cruz	Chemistry, Chair
Keith Dreiling	Computer Science, Chair
Todd Moore	Geosciences, Chair
Keith Dreiling	Mathematics, Chair
Gavin Buffington	Physics, Chair

Each department offers major and minor academic programs in various specializations, and most offer certificates as well. Additionally, the Biology and Geosciences departments offer MS graduate degrees with thesis and non-thesis options. Our academic programs are innovative and our facilities are state of the art. College of Science, Technology and Mathematics teachers embrace a one-on-one teaching and mentoring philosophy and provide robust research opportunities for our students.

Our faculty not only love to teach, but they are also diverse, nationally- and internationally-known researchers. Housed in a single, unified college, these professors and the departments they represent explore endless interdisciplinary possibilities.

Department of Agriculture

The Department of Agriculture at Fort Hays State University provides students with **applied, hands-on learning experiences** and **diverse foundation courses** that **empower students to succeed** in the growing—and vital— field of agriculture. This experience makes students more **marketable and well prepared to meet industry challenges**, and **FHSU Agriculture degree-holders are poised to become leaders in the agriculture industry**.

Agriculture at FHSU:

We challenge students to take advantage of the hands-on learning experiences, unique academic programs, departmental clubs and organizations, and the close-knit mentorship of our caring, experienced faculty. Whether you're going back to the family farm or looking to take the lead in the agriculture industry, FHSU will have you well prepared for an exciting, rewarding career in a diverse and growing industry. You will:

- Gain a deeper perspective of agriculture, its significance throughout the world, and how YOU can have an impact
- Be prepared to face technological advances in an ever-changing field
- Develop leadership skills
- Have practical class experiences on the 3,825 acre FHSU University Farm
- Expand critical thinking and communication skills
- Make lifelong friends and mentors

We prepare our graduates to succeed in agriculture's wide variety of careers. Because even though they may pursue different careers—running a farm, managing a feedyard, trading grain on the futures market, working as a crop consultant, or steering a boardroom meeting—our alumni all have one thing in common: They **have the desire and skills to make a positive impact on the industry and in their communities**.

Undergraduate Degrees

Bachelor of Science: Agricultural Business

Bachelor of Science: Agriculture (Agronomy)

Bachelor of Science: Agriculture (Agronomy Business)

Bachelor of Science: Agriculture (Agricultural Communications)

Bachelor of Science: Agriculture (Agricultural Leadership)

Bachelor of Science: Agriculture (Animal Science)

Bachelor of Science: Agriculture (Beef Cattle Management)

Bachelor of Science: Agriculture (General)

Bachelor of Science: Agriculture (Ag Education)

Bachelor of Science : Agriculture (Ag Leadership)

Minor

Minor in Agriculture

Certificates

Certificate in Agricultural Business

Department of Agriculture Faculty and Staff

Chair: Dr. Clyde Cranwell

Associate Professors: Dr. Brittany Howell **Assistant Professors:** Dr. Danielle Kaminski, Dr. Robert Keener, Dr. Iryna McDonald, Dr. Brian Sancewich, Dr. Andrew Tucker **Instructors:** Ms. Laura Haffner, Mr. Jeremy Ryan **Department Staff:** Ms. Dallas Dixon, *Senior Administrative Assistant*

See department page online for full listing

Bachelor of Science: Agricultural Business

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Lab Experiences in Biology	1
CHEM 100 Chemist's View of the World	3
MATH 250 Elements of Statistics	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Agricultural Core

A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Agricultural Business Core

A total of 30 hours from…

Code	Course Title	Hour
AGRI 311	Farm Management	3
ARI 320	Fund. Of Agricultural Commodity Marketing	3
AGRI 321	Agricultural Law and Policy	3
AGRI 340	Computer Applications for Agriculture	3
AGRI 650	Technology in Agriculture	3
AGRI 410	Agricultural Finance	3
AGRI 470	Capstone Course in Agribusiness Management	3

Agricultural Electives

	Agricultural Electives	9

Cognates

A total of 12 hours from…

Code	Course Title	Hours
ACCT 203	Principles of Accounting I	3
ACCT 204	Principles of Accounting II	3
MKT 301	Marketing Principles	3
Choose 3 hours from the following courses:		
BCOM 301	Business Communication	3
ENG 603	Technical and Professional Writing	3

Free Electives

A total of 10 hours from...

	Free Electives	10

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Agriculture (Agronomy)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
BIOL 180/180L Principles of Biology / Lab	4
CHEM 112/112L General Chemistry / Lab	3
CHEM 114/114L or MATH 331	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
Two Electives	6
Upper-Division Integrative Course	3

Agriculture Core

A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Agronomy Option

A total of 37 hours from…

Code	Course Title	Hours
AGRI 111L	Animal Science Lab	1
AGRI 215	Soils	4
AGRI 220	Agricultural Accounting	3
AGRI 305	Agronomic Crop Insects	3
AGRI 306	Pasture and Forage Crops	3
AGRI 311	Farm Management	4
AGRI 423	Agronomic Crop Diseases	3
AGRI 426	Agronomic Crop Production	3
AGRI 620	Cereal, Fiber, and Oil Crops	3
AGRI 621	Weed Science	4
AGRI 626	Soil Fertility and Fertilizers	3
Electives	Agriculture Electives	3

Agronomy Electives

A total of 9 hours from…

AGRI 214	Principles of Feeding	3
AGRI 301	Home Horticulture	3
AGRI 425	Crop Physiology	3
AGRI 622	Crop Improvement	3
AGRI 625	Soil and Water Management	3
AGRI 631	Development and Classification of Soils	3

Free Electives

A total of 6 hours from...

Free Electives	6

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Agriculture (Agronomy Business)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Lab Experiences in Biology	1
CHEM 100 Chemist's View of the World	3
MATH 250 Elements of Statistics	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Agricultural Core

A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Agronomy Business Core

A total of 44 hours from…

Code	Course Title	Hour
AGRI 215	Soils	4
AGRI 220 **or** ACCT 203	Ag Accounting **or** Principles of Accounting	3
AGRI 305	Agronomic Crop Insects	3
AGRI 311	Farm Management	3
AGRI 316	Internship in Agriculture	3
AGRI 320	Fund., of Ag Commodity Marketing	3
AGRI 321	Agricultural Law and Policy	3
AGRI 340	Computer Applications for Agriculture	3
AGRI 410	Agricultural Finance	3
AGRI 423	Agronomic Crop Diseases	3
AGRI 470	Capstone in Ag MGMT	3
AGRI 621	Weed Science	4
AGRI 626	Soil Fertility and Fertilizers	3
AGRI 650	Technology in Agriculture	3

Agricultural Electives

Choose 2 courses (6 hours) from the following...

Code	Course Title	Hours
AGRI 301	Home Horticulture	3
AGRI 306	Pasture and Forage Crops	3
AGRI 425	Agronomic Crop Physiology	3
AGRI 612	Irrigation	3
AGRI 620	Cereal, Fiber, and Oil Crops	3
AGRI 622	Crop Improvement	3
AGRI 625	Soil and Water Management	3
AGRI 631	Development and Classification of Soils	3

Free Electives

A total of 2 hours from….

	Free Electives	2

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Agriculture (Agricultural Communications)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Lab Experiences in Biology	1
CHEM 100 Chemist's View of the World	3
MATH 250 Elements of Statistics	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Agricultural Core
A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Agricultural Communications Courses
A total of 9 hours from…

Code	Course Title	Hours
AGRI 311	Farm Management	3
AGRI 338	Agricultural Leaders in American Business & Society	3
AGRI 332	Ag. Communication and Public Relations	3

Agricultural Electives
A total of 12 hours from….

	Agricultural Electives	12

Communication Studies Courses
A total of 15 hours from…

Code	Course Title	Hours
COMM 208	Comm., and the Information Society	3
COMM 345	Comm., Research Methods	3
COMM 348	Intro to Public Relations and Advertising	3
COMM 349	Strategic Writings and Ethics	3
COMM 642	Crisis Management and Strategies	3

Choose 6 hours from Communication Studies courses:

Code	Course Title	Hours
COMM 606	Conflict Management Through Communication	3
COMM 612	Developing Human Resources Through Communication	3
COMM 613	Recruiting and Interviewing Techniques	3
COMM 346	Beginning Video Production	3

Free Electives
A total of 10 hours from….

	Free Electives	12

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Agriculture (Agricultural Leadership)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
BIOL 100 Human Biology	3
BIOL 102 Lab Experiences in Biology	1
CHEM 100 Chemist's View of the World	3
MATH 250 Elements of Statistics	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
One Elective	3
Upper-Division Integrative Course	3

Agricultural Core

A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Agricultural Communications Courses

A total of 9 hours from…

Code	Course Title	Hours
AGRI 311	Farm Management	3
AGRI 338	Agricultural Leaders in American Business & Society	3
AGRI 332	Ag. Communication and Public Relations	3

Agricultural Electives

A total of 15 hours from….

	Agricultural Electives	15

Leadership Studies Courses

A total of 9 hours from…

Code	Course Title	Hours
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Field Work in Leadership Studies	3

Leadership Studies Electives

A total of 9 hours from….

	Leadership Studies Electives	15

Free Electives

A total of 10 hours from….

	Free Electives	10

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Agriculture (Animal Science)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
BIOL 180/180L Principles of Biology / Lab	4
CHEM 112/112L General Chemistry / Lab	3
CHEM 114/114L	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
Two Electives	6
Upper-Division Integrative Course	3

Agriculture Core

A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Animal Science Option

A total of 48 hours from…

Code	Course Title	Hours
AGRI 111L	Animal Science Lab	1
AGRI 114	Techniques of Livestock Selection I	2
AGRI 212	Techniques of Livestock Selection II	2
AGRI 214	Principles of Feeding	3
AGRI 220	Agricultural Accounting	3
AGRI 306	Pasture and Forage Crops	3
AGRI 311	Farm Management	4
AGRI 313	Anatomy & Physiology of Domestic…	4
AGRI 321	Agricultural Law and Policy	3
AGRI 409	Dairy Cattle Production & Management	3
AGRI 475	Seminar	1
AGRI 411	Beef Feedlot Technology and Management	3
	OR	
AGRI 610	Beef Cattle Production and Management	3
AGRI 611	Swine Production and Management	3
AGRI 615	Genetics of Livestock Improvement	3
AGRI 616	Reproductive Physiology of Domestic Animals	4
AGRI 617	Animal Nutrition	3

Agricultural Electives

A total of 7 credits from...

Agricultural Electives	7

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Agriculture (Beef Cattle Management)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
BIOL 180/180L Principles of Biology / Lab	4
CHEM 112/112L General Chemistry / Lab	3
CHEM 114/114L or MATH 331	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
Two Electives	6
Upper-Division Integrative Course	3

Agriculture Core

A total of 24 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112/	112L Agronomic Crop Science / Lab	4
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3
AGRI 220	Agricultural Accounting	3
AGRI 311	Farm Management	3
AGRI 321	Agricultural Law	3
AGRI 475	Seminar	1

Beef Cattle Management Core

A total of 43 hours from…

Code	Course Title	Hours
AGRI 114	Techniques of Livestock Selection I	2
AGRI 214	Principles of Feeding	3
AGRI 313	Anatomy & Physiology of Animals	4
AGRI 400	Topics in Agriculture	3
AGRI 411	Beef Feedlot Technology & Management	3
AGRI 480	Beef Management Internship	12
AGRI 490	Techniques & Technology in Beef Cattle	3
AGRI 610	Beef Cattle Production & Management	3
AGRI 616	Reproductive Physiology of Animals	4
AGRI 617	Animal Nutrition	3

Cognates

A total of 12 hours from…

Code	Course Title	Hour
BIOL 695	Range Management	3
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Field Work in Leadership Studies	3

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	80
Total	**135**

Bachelor of Science: Agriculture (Ag Education)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
BIOL 180/180L Principles of Biology / Lab	4
CHEM 112/112L General Chemistry / Lab	3
CHEM 114/114L or MATH 331	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
Two Electives	6
Upper-Division Integrative Course	3

Agriculture Core

A total of 24 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science / Lab	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3
AGRI 220	Agricultural Accounting	3
AGRI 311	Farm Management	3
AGRI 321	Agricultural Law	3
AGRI 475	Seminar	1

Agricultural Education Core

A total of 54 hours from…

Code	Course Title	Hour
AGRI 277	Early Field Experience in Agriculture	1
AGRI 460	Teaching Agricultural Education	3
TECS 290	Introduction to Instructional Technology	3
TECS 460	Teaching Technology Education	3
TECS 490	Occupational Safety, Health, and Liability	2
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	3
TESS 496	Student Teaching - Secondary	12
Electives	Agriculture or Technology Electives	6
Choose 9 hours from the following courses:		
AGRI 114	Techniques of Livestock Selection I	2
AGRI 214	Principles of Feeding	3
AGRI 215	Soils	4
AGRI 301	Home Horticulture	3
Choose 6 hours from the following courses:		
TECS 119	Introduction to Welding	3
TECS 220	Engine Systems	3
TECS 280	Wood Processes	3

Cognates

A total of 3 hours from…

Code	Course Title	Hour
MATH 250	Elements of Statistics	3

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	81
Total	**136**

Bachelor of Science: Agriculture (General)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
BIOL 180/180L Principles of Biology / Lab	4
CHEM 112/112L General Chemistry / Lab	3
CHEM 114/114L or MATH 331	3
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
Two Electives	6
Upper-Division Integrative Course	3

Agriculture Core

A total of 13 hours from…

Code	Course Title	Hour
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science	3
AGRI 112L	Agronomic Crop Science Lab	1
AGRI 113	Introduction to Agribusiness	3
AGRI 211	Marketing Farm Products	3

Agricultural Electives

A total of 12 hours from…

Agriculture Electives	12

General Agriculture Core

A total of 32 hours from…

Code	Course Title	Hours
AGRI 111L	Animal Science Lab	1
AGRI 214	Principles of Feeding	3
AGRI 215	Soils	4
AGRI 220	Agricultural Accounting	3
AGRI 311	Farm Management	3
AGRI 321	Agricultural Law and Policy	3
AGRI 475	Seminar	1
AGRI 320	Fund of Agri Commodity Marketing **OR**	3
AGRI 410	Agricultural Finance	3
Choose 2 courses from the following		
AGRI 301	Home Horticulture	3
AGRI 305	Agronomic Crop Insects	3
AGRI 306	Pasture and Forage Crops	3
AGRI 423	Agronomic Crop Diseases	3
AGRI 625	Soil and Water Management	3
Choose 2 courses from the following:		
AGRI 114	Techniques of Livestock Selection I	2
AGRI 313	Anatomy and Physiology of Domestic…	4
AGRI 409	Dairy Cattle Production & Management	3
AGRI 411	Beef Feedlot Technology & Management	3
AGRI 430	Large Animal Diseases	3
AGRI 610	Beef Cattle Production & Management	3
AGRI 611	Swine Production & Management	3

Free Electives

A total of 6-8 hours from…

Free Electives	6-8

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Minor in Agriculture

Choose 20 credits from the following courses...

Code	Course Title	Credits
AGRI 111	Animal Science	3
AGRI 112	Agronomic Crop Science / Lab	4
AGRI 113	Introduction to Agribusiness	3
Electives	Additional courses selected from within the department. At least one must be upper-division (300 or above).	10

The Minor in Agriculture consists of a minimum of 20 credit hours and can be added to any major.

Certificates in Agriculture

Certificate in Agricultural Business

A total of 12 hours from…

Code	Course Title	Credits
AGRI 311	Farm Management	3
AGRI 320	Fundamentals of Ag Commodity Marketing	3
AGRI 340	Computer Applications for Agriculture	3
AGRI 410	Agriculture Finance	3

The certificate in Agricultural Business consists of 12 credit hours and can be added to any major.

Course Listing - Agriculture

Undergraduate Credit

110 Agriculture in our Society (1) A brief history of the development of American agriculture. The role of agricultural colleges in business and industry is considered with emphasis on career opportunities for graduates in agriculture and related areas.

111 Animal Science (3) A general study of the livestock industry and its current problems. Emphasis is placed on its importance as a major phase of agriculture and related areas.

111L Animal Science Lab (1) Introduction to animal agriculture and industry. This course supports and expands on material presented in AGRI 111. Requisites: CR, AGRI 111.

112 Agronomic Crop Science # (3) A study of the production principles of agronomic crops including propagation, growth, development, harvesting, storage, and utilization. Must be taken concurrently with laboratory. Requisites: co-requisite AGRI 112L.

112L Agronomic Crop Science Laboratory (1) The laboratory course is designed to reinforce the basic principles covered in AGRI 112 Agronomic Crop Science. Meets for two hours per week. Requisites: co-requisite AGRI 112.

113 Introduction to Agribusiness (3) Overview and basic introduction to the concepts, issues, and disciplines of study relating to the management and economic functions of agriculture and agribusiness.

114 Techniques of Livestock Selection and Evaluation I (2) The evaluation of livestock including comparative judging, grading, classification, and selection of beef cattle, swine, sheep, and horses.

211 Marketing Farm Products (3) The practices and processes of marketing agricultural goods, cash and futures prices, and commodity marketing techniques are examined. Attention is given to market organization and price analysis, marketing functions, standards and grading, and specific marketing practices related to crops and livestock. Requisites: PR, AGRI 113 or ECFI 201.

212 Techniques of Livestock Selection and Evaluation II (2) A continuation of AGRI 114 with additional emphasis on objective and subjective methods of evaluation using a combination of visual appraisal and performance records. Requisites: PR, AGRI 114 or PERM.

215 Soils (4) An introduction to the fundamentals of the physical, chemical, and biological properties of soils. Soil development, classification, distribution, and management are included. Course includes three, 1 hour lectures with a 2 hour laboratory component.

214 Principles of Feeding (3) A study of the nutritive value of feeds and nutrient requirements of all species of domestic farm animals. The effect of processing, environment, feed additives, and combination of nutrients on efficiency and level of production. Requisites: PR, AGRI 111 and CHEM 112 or CHEM 120.

215 Soils (4) An introduction to the fundamentals of the physical, chemical, and biological properties of soils. Soil development, classification, distribution, and management are included. Course includes three 1-hour lectures with a 2-hour laboratory component. Requisites: PR, CHEM 112 or CHEM 120.

220 Agricultural Accounting (3) Application of accounting concepts and principles to farms and other agribusiness firms. Cash and accrual accounting methods, whole farm and enterprise analysis, income tax management, and electronic farm accounting technology are considered. Course includes two 1-hour lectures with a 2-hour laboratory component.

277 Early Field Experience in Agriculture (1) This course will provide Agriculture Education students with an observation and participation experience in the high school/junior high school agricultural classroom. This experience will expose students to a variety of educational philosophies, goals, objectives and activities. Pass/No credit. Requisites: PR, completion of AGRI 111, AGRI 112 or AGRI 113 and PERM.

240 Rodeo Timed Events I (1) Introductions to all rules and regulations of timed events in Intercollegiate Rodeo (Tie Down Roping, Breakaway Roping, Goat Tying, Steer Wrestling, Team Roping, and Barrel Racing).

242 Rodeo Rough Stock I (1) This course covers rules, regulations, and safety precautions for all three rough stock events in intercollegiate rodeo (Bareback Riding, Saddle Bronc Riding, and Bull Riding.

301 Home Horticulture (3) Culture, propagation and pest control of ornamentals, vegetables, fruits and nuts grown for the home.

305 Agronomic Crop Insects (3) Scouting, identification, and control methods of common insects found in agronomic crops. Requisites: PR, AGRI 112/112L.

306 Pasture and Forage Crops (3) A study of forage crops for meadows, pasture, soiling, and silo with reference to establishment, adaptation, production, management, and improvement. Requisites: PR, AGRI 112, BIOL 180/180L.

308 Crops Judging Team Activity + (1) Training for participation on crops judging teams. Students learn: grain grading and seed analysis; crops, weed, and seed identification; and disease and insect identification. Requisites: PR, AGRI 112, PERM.

310 Grain Grading and Seed Analysis (2) Application of the federal standards for grading farm crops and judging of grains and other crop products. Four hours of laboratory a week. Requisites: PR, AGRI 112.

311 Farm Management (3) A study of production planning with budgeting, financial records, and the acquisition and use of resources for the individual farm-ranch business is emphasized. Requisites: PR, ECFI 201; AGRI 220 or ACCT 203.

312 Advanced Techniques of Livestock Selection III + (2) Advanced training in live animal evaluation. Designed for students interested in competing on FHSU livestock judging team. Requisites: PR, AGRI 212 or PERM.

313 Anatomy and Physiology of Domestic Animals (4) A comparative study of the anatomy and physiology of the various productive systems and organs of the domestic farm animals. Two hours lecture and one hour recitation per week in addition to a 2 hour laboratory component.

314 Agricultural Policy (3) An examination of the economic characteristics of agriculture, American agricultural policies, and current policy topics. Requisites: PR, ECFI 201.

315 Soils Judging Team Activity+ (1) Training for participation on soil judging teams. Students evaluate soils for agricultural productivity and for engineering purposes.

316 Internship in Agriculture (3) A supervised work-study program in agribusiness, animal science, or agronomy. Involves instructor-student-employer consultation. Requisites: PERM.

319 Consumers Guide to the Meat Industry (2) A study of the meat industry and the production of retail red meat to enlighten the consumer as to the steps involved and the basis for determining price and quality. Consists of one hour per week of lecture and two hours of hands-on work experience.

320 Fundamentals of Agricultural Commodity Marketing (3) A study of agricultural commodity marketing, transportation, and storage, using the agricultural futures and options markets. Requisites: PR, AGRI 211, ECFI 201, or PERM.

321 Agricultural Law (3) Course is designed to acquaint students with some of the rights and responsibilities of farm operators under our legal system. It includes liabilities, contracts, property rights, restrictions, transfers, firm organization, income taxes, and estate planning. Requisites: PR, Junior Standing.

325 American Agricultural History (3) A course on the development of American agriculture from Native Americans to early colonial settlement through present times. Topics include social, economic and political developments and technological advances in U.S. agriculture.

330 Livestock Sales (1) This course emphasizes major strategies for promotion and marketing of high quality livestock. Private treaty sales as well as live and online auctions are discussed.

334 Rodeo Timed Events II (1) This course studies production of a rodeo. It will cover all six timed events and methodology for acquiring cattle and goats to produce a rodeo. Students will learn how to set up and measure a barrier for the roping events. Students will also learn how to measure out and stake a barrel pattern, as well as measure for goat tying. Ground maintenance for safety of barrel racing contestants and horses will be emphasized.

332 Agricultural Communications and Public Relations (3) History, role in society, and role of communications in agriculture. This course provides an understanding of communication and various communication methods in modern society as these are applicable to agriculture

335 Rodeo Rough Stock II (1) This course studies the production side of rodeo. It will cover the three rough stock events. Methodology and strategies for obtaining horses and bulls for an intercollegiate rodeo. Students will learn how to set orders for a rough stock rodeo, Safety as it pertains to arena conditions is emphasized.

338 Agricultural Leadership (3) A study of concepts and theories of leadership with emphasis on development of leadership abilities for a variety of agricultural applications. Best practices of successful leaders representing various components of the agriculture community are emphasized. Skills related to managing teams in diverse agricultural workplaces and communities will be developed.

340 Computer Applications for Agriculture (3) An advanced course primarily focused on the applied use of Microsoft Excel in the agricultural business environment. Prerequisites: AGRI 113; MATH 110; MIS 101.

350L Bovine Artificial Insemination (1) This course emphasizes techniques of artificial insemination of cattle. Proper handling, storage and placement of bovine semen are discussed.
Methodology for estrus detection and timing of semen placement are emphasized . This course has a laboratory component.

400 Topics in Agriculture + (1-3) This course is designed to offer, on an irregular basis, subjects in agriculture which are not a part of the regular curriculum. Requisites: PERM.

408 Sheep Production and Management (3) A study of methods of producing purebred and commercial sheep with emphasis on performance testing and feeding, physiology of reproduction, health programs, and general management under various systems of production. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111 and AGRI 214.

409 Dairy Cattle Production and Management (3) This course emphasizes the production of dairy cattle as influenced by genetic improvement, nutrition, reproductive physiology, herd health, and herd management. It will acquaint students with the dairy industry from production to retailing. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111 and AGRI 214.

410 Agricultural Finance (3) Introduction to farm financial management, including financial intermediaries and information flows in agriculture, investment analysis, and financial alternatives for farm resource control. Requisites: PR, ECFI 201; and AGRI 220/220L or ACCT 203.

411 Beef Feedlot Technology and Management (3) A study of the beef feedlot and stocker cattle industries including animal management, health, nutrition and feeding, handling, facilities, and risk management. Course includes two, 1-hour lectures with a 2-hour laboratory component. Requisites: PR, agriculture senior or PERM.

417 Horse Production (3) A course designed to acquaint the student with the light horse as a livestock enterprise with emphasis on nutrition, reproduction, health, selection, and management. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111and AGRI 214.

423 Agronomic Crop Diseases (3) Symptoms, causes, diagnosis, and methods of control of agronomic crop diseases. Requisites: PR, AGRI 112.

425 Agronomic Crop Physiology (3) To develop an understanding of important principles underlying the practices used in the culture of agronomic ally important crop plants and to develop the ability to apply these principles in production strategies. Covered will be processes from seed germination to photosynthesis and water relations to flowering of important agronomic crops. Requisites: PR, AGRI 112.

426 Agronomic Crop Production (3) A study of agronomic crop production principles for major crops in Kansas and the Great Plains Region. Designed for students interested in crop consulting and general farming practices; included are insect, disease, and weed identification, along with the study of irrigation, planting, and harvesting practices. A three-hour lecture with a requirement of one field trip during the semester. Requisites: PR, AGRI 112, AGRI 305, AGRI 423, Junior or Senior status, or PERM.

430 Large Animal Diseases (2) A study of diseases applicable to cattle, swine, sheep, and horses. The course will include principles of immunization to support the prevention and treatment of the diseases most often encountered in the large animal species common to the farms and ranches in the Midwest. Requisites: AGRI 111, AGRI 313, or PERM of instructor.

450 Economics of International Agriculture Development (3)
This course introduces students to the problem of poverty, hunger, and malnutrition in developing countries and examines the role of the agriculture sector in solving these problems.
The course examines the theories of agricultural development in the context of globalization and introduces various agricultural production systems in the world.

452 Meat Science (3) A study of basic chemical and physical characteristics of meat animals. Physiology of muscle contraction and conversion of muscle to meat are emphasized. Application of scientific principles to processing and economical utilization of meat animals, as well as in the manufacturing of meat products is studied.

456 Agricultural Resource Valuation (3) Applied course studying the valuation of resources used in production agriculture, including basic valuation principles and concepts, and the appraisal

of farm real estate with consideration given to the valuation of water and mineral rights. Problem sets and mock appraisals will be used to demonstrate the valuation process applied to farm real estate and related resources. Requisites: PR, ECFI 201 and AGRI 311 or PERM.

460 Teaching Agriculture Education (3) A course on planning and conducting effective agriculture instructional programs. Topics include introducing instructional methods, techniques, devices and procedures used in disseminating agricultural information to youth and adult audiences. Requisites: PR, AGRI 211 and AGRI 340 and MATH 250.

470 Capstone Course in Agribusiness Management (3) A capstone course for the agribusiness major designed to integrate agricultural sciences with economic and business management principles and practices, as applied to problems and decision-making activities, of agribusiness firms in a case study environment. Requisites: PR, AGRI 311, AGRI 320, MGT 301 and MKT 301, or PERM.

475 Seminar (1) Special topics in agricultural research will be assigned and oral reports will be made to other students and faculty. Requisites: PR, agriculture senior standing.

480 Beef Management Internship (12) A supervised, off-campus experiential learning opportunity providing in-depth, practical experience while working with cooperators in the beef cattle industry. Involves instructor/student/cooperator consultation. Requisites: PR, AGRI 411, AGRI 610; PERM.

490 Techniques and Technology in Beef Cattle Production (3) A comprehensive course presenting the principles, techniques and contemporary technologies that contribute to profitable production of beef cattle. This includes all areas of beef production from cow-calf to retail marketing. Requisites: PR, AGRI 411, AGRI 610; PERM.

610 Beef Cattle Production and Management (3) Techniques used in beef production with emphasis on genetic improvement through performance testing, nutrition, reproductive physiology, diseases of beef cattle, and general management under various systems of production. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111 and AGRI 214.

611 Swine Production and Management (3) Methods of producing purebred and commercial swine with emphasis on performance testing and feeding, physiology of reproduction, health programs, and general management under various systems of production. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111 and AGRI 214.

612 Irrigation (3) A study of irrigation as a farming practice in western Kansas. Economic feasibility, costs involved, equipment needed, and agronomic practices will be considered. Requisites: PR or co-requisite, AGRI 215.

615 Genetics of Livestock Improvement (3) A study of the application of the principles of genetics to livestock improvement. The course begins with simple Mendelian inheritance and develops through statistical techniques used in the estimation of breeding value for quantitative traits. Requisites: PR, MATH 110, BIOL 180/ 180L.

616 Reproductive Physiology of Domestic Animals (4) A study of the anatomy and physiology of sexual reproduction in domestic livestock. Course includes three 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111, AGRI 313; PERM.

617 Animal Nutrition (3) A scientific approach to the nutrition of monogastric and ruminant animals involving the mechanisms through which feed nutrients are utilized by these animals. Application of ration balancing techniques for livestock species. Requisites: PR, AGRI 214.

618 Ruminant Nutrition (3) Digestion, absorption, and metabolism of nutrients as related to maintenance, growth, lactation, and reproduction in ruminants. Requisites: PR, AGRI 111, AGRI 214, AGRI 617.

620 Cereal, Fiber, and Oil Crops (3) A study of soil and climate adaptation, production, improvement, protection, and utilization of the cereal, fiber, and oil crops of the world. Requisites: PR, AGRI 112.

621 Weed Science (4) Principles and practices of weed control. Identification of weed seeds, plants and families; action of herbicides; spray equipment calibration and herbicide calculations; herbicide safety, registration and regulation. Course includes three 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 112 and CHEM 114 or CHEM 120.

622 Crop Improvement (3) Crop breeding and improvement. Management practices relative to the major field crops. Legume, cereal, and grass seed production. Requisites: PR, AGRI 112, BIOL 180 and BIOL 180L.

625 Soil and Water Management (3) An integration of the principles of agronomic science into productive cropping systems utilizing basic soil-plant-climate relationships. Special emphasis is given to the effect of soil erosion in semi-arid and sub-humid cropping practices. Conservation management techniques and land -use planning are emphasized. Course includes two 1- hour lectures with a 2 hour laboratory component. Requisites: PR, AGRI 215.

626 Soil Fertility and Fertilizers (3) Fundamentals of soil fertility and the manufacturing and use of chemical fertilizers as they relate to crop production and quality. Requisites: PR, AGRI 215.

630 Soil Physics (3) A study of the physical properties of soils such as aeration, moisture, temperature, texture, and structure, as they relate to soil productivity. Requisites: PR, AGRI 215.

631 Development and Classification of Soils (3) An advanced study of the influence of soil-forming factors on soil development, methods of classification, data interpretation, and soil mapping. A field trip is included as an essential part of the course. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 215.

650 Technology in Agriculture (3) An exposure to practical agricultural technology management tools including GPS, auto-steer, section controllers, remote sensing, telematics, and other crops and livestock technological applications. Emphasis will be placed on the collection and analysis of precision agricultural data.

672 Readings in Agriculture (1-3) To extend the student's knowledge in some phase of agriculture. Available to seniors who major or minor in agriculture. Requisites: PERM.

673 Problems in Agriculture (1-4) Offered to seniors and majors in agriculture. Actual farm problems can be arranged in cooperation with farm superintendent or major advisor. Requisites: PERM.

676 Apprenticeship in Agriculture + (1-3) Course is designed to provide practical experience in teaching, supervision, and administration in agriculture. Requisites: PERM of instructor and department chair.

Agriculture

Undergraduate/Graduate Credit

610G Beef Cattle Production and Management (3) Techniques used in beef production with emphasis on genetic improvement through performance testing, nutrition, reproductive physiology, diseases of beef cattle, and general management under various systems of production. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111 and AGRI 214.

611G Swine Production and Management (3) Methods of producing purebred and commercial swine with emphasis on performance testing and feeding, physiology of reproduction, health programs, and general management under various systems of production. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111 and AGRI 214.

612G Irrigation (3) A study of irrigation as a farming practice in western Kansas. Economic feasibility, costs involved, equipment needed, and agronomic practices will be considered. Requisites: PR or co-requisite, AGRI 215.

615G Genetics of Livestock Improvement (3) A study of the application of the principles of genetics to livestock improvement. The course begins with simple Mendelian inheritance and develops through statistical techniques used in the estimation of breeding value for quantitative traits. Requisites: PR, MATH 110, BIOL 180/ 180L.

616G Reproductive Physiology of Domestic Animals (4) A study of the anatomy and physiology of sexual reproduction in domestic livestock. Course includes three 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 111, AGRI 313; PERM.

617G Animal Nutrition (3) A scientific approach to the nutrition of monogastric and ruminant animals involving the mechanisms through which feed nutrients are utilized by these animals. Application of ration balancing techniques for livestock species. Requisites: PR, AGRI 214.

618G Ruminant Nutrition (3) Digestion, absorption, and metabolism of nutrients as related to maintenance, growth, lactation, and reproduction in ruminants. Requisites: PR, AGRI 111, AGRI 214, AGRI 617.

620G Cereal, Fiber, and Oil Crops (3) A study of soil and climate adaptation, production, improvement, protection, and utilization of the cereal, fiber, and oil crops of the world. Requisites: PR, AGRI 112.

621G Weed Science (4) Principles and practices of weed control. Identification of weed seeds, plants and families; action of herbicides; spray equipment calibration and herbicide calculations; herbicide safety, registration and regulation. Course includes three 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 112 and CHEM 114 or CHEM 120.

622G Crop Improvement (3) Crop breeding and improvement. Management practices relative to the major field crops. Legume, cereal, and grass seed production. Requisites: PR, AGRI 112, BIOL 180 and BIOL 180L.

625G Soil and Water Management (3) An integration of the principles of agronomic science into productive cropping systems utilizing basic soil-plant-climate relationships. Special emphasis is given to the effect of soil erosion in semi-arid and sub-humid cropping practices. Conservation management techniques and land-use planning are emphasized. Course includes two 1- hour lectures with a 2 hour laboratory component. Requisites: PR, AGRI 215.

626G Soil Fertility and Fertilizers (3) Fundamentals of soil fertility and the manufacturing and use of chemical fertilizers as they relate to crop production and quality. Requisites: PR, AGRI 215.

630G Soil Physics (3) A study of the physical properties of soils such as aeration, moisture, temperature, texture, and structure, as they relate to soil productivity. Requisites: PR, AGRI 215.

631G Development and Classification of Soils (3) An advanced study of the influence of soil-forming factors on soil development, methods of classification, data interpretation, and soil mapping. A field trip is included as an essential part of the course. Course includes two 1-hour lectures with a 2-hour laboratory component. Requisites: PR, AGRI 215.

650G Technology in Agriculture (3) An exposure to practical agricultural technology management tools including GPS, auto-steer, section controllers, remote sensing, telematics, and other crops and livestock technological applications. Emphasis will be placed on the collection and analysis of precision agricultural data.

672G Readings in Agriculture (1-3) To extend the student's knowledge in some phase of agriculture. Available to seniors who major or minor in agriculture. Requisites: PERM.

673G Problems in Agriculture (1-4) Offered to seniors and majors in agriculture. Actual farm problems can be arranged in cooperation with farm superintendent or major advisor. Requisites: PERM.

676G Apprenticeship in Agriculture + (1-3) Course is designed to provide practical experience in teaching, supervision, and administration in agriculture. Requisites: PERM of instructor and department chair.

820 Agricultural Risk Management (3) An in-depth study of a variety of risk management strategies inherent to the agricultural firm. Topics include: diversification, insurance, forward contracting, hedging and options trading through applied problem with use of simulation. Managing risk associated with input prices, output prices, organizational structure, and
financial instruments are emphasized.

850 Strategic Planning in Agricultural Business (3)
An applied study of agricultural business logistics combining case study analysis and the study of the principles and concepts behind the strategic planning process and their impact on the sustainability of the agricultural firm. Topics include: role and scope of logistics in agribusiness, connect economics development with strategic planning, explore the issues surrounding transaction costs and the principle agent problem associated with outsourcing, strategic alliances, emerging technologies, and tools for logistics.

860 Organizational Behavior in Agricultural Business (3)
An in-depth analysis of individual and group behavior in agricultural business, governmental, and other organizations with emphasis on current literature and applications within business management. Topics include: theories of individual learning and perception, attitude change, job motivation, group dynamics, conflict management, and leadership.

+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Applied Technology

For updated information, see our website at **www.fhsu.edu/iat**.

The department of Applied Technology is dedicated to providing students three Bachelor of Science degrees: Industrial Technology, which leads to a business, industry, or agricultural career; Technology Education, which prepares students for a career in teaching at the middle or secondary school level; and Technology Leadership, for those students who have an Associate of Applied Science degree and desire to pursue a BS degree. The Industrial and Education Technology degrees provide instruction in communication systems; power, energy, and transportation systems; and production systems so that students may become technologically literate.

The department strengthens the mission of the university and of the College of Education and Technology by providing a program that supports the liberal arts concept in developing analytical skills, problem-solving abilities, writing and communication skills, along with application of knowledge. The department prepares professionals for schools, business, and industry in a global technological society. This preparation is based on knowledge acquired through broad-based technology courses leading to technology specialization.

Graduates of the department are versatile, adaptable, and flexible, thereby employable in a variety of businesses, industries, or public schools. Employment possibilities include teaching careers at all levels of education, construction and manufacturing industries, architectural firms, automotive companies, and distribution centers, as safety specialists, quality control personnel, building inspectors, mid-management personnel, draft persons, and industrial trainers. Graduates are problem solvers and will have the technological skills to utilize their knowledge for an ever-changing, technological society in the 21st century.

Department of Applied Technology Faculty and Staff

Chair: Mr. Kim Stewart

Professors: Mr. Joseph Chretien

Associate Professors: Mr. Eric Deneault

Assistant Professors: Ms. Susan Dumler, Mr. Nathan Howard, Mr. Randy Jordan, Mr. Kris Munsch, Mr. Zach Pixler

Department Staff: Rachel Harman, *Administrative Assistant*

See department page online for full listing

Undergraduate Degrees

Bachelor of Science: Construction Management

Bachelor of Science: Construction Technology

Bachelor of Science: Technology Education

Bachelor of Science: Technology Leadership

Associate of Applied Science:

Applied Technology and Leadership

(Industrial Technology)

(Business Communication and Technology)

(Business Training Systems)

(Leadership Studies)

Scholarships and Work Study

Scholarships are available to freshmen, sophomores, juniors, seniors, and transfer students.
The scholarships are awarded based on need, scholastic achievement, and excellence. Scholarships for incoming freshmen range from $500 to $900.

Honor and Social Organizations

The department sponsors the Technology Education Collegiate Association (TECA) open to all students enrolled in technology studies classes. This student organization has earned a national reputation for excellence in regional and national competitions. All technology students with the necessary scholastic achievement (B average) are eligible for membership in Epsilon Pi Tau (EPT), an international honorary fraternity.

Bachelor of Science: Technology Studies

(Technology & Engineering Education)

Students are required to complete the general education requirements prescribed for all curricula of the university, as well as the general studies courses required by the Council on Preparation of Teachers and School Personnel for licensure. Students select one or more specialized teaching areas (communication systems; production systems; or power, energy and transportation systems); apply for admission to teacher education after completing 36 semester hours of general education credits with at least a cumulative 2.75 GPA; if a bachelor's degree is not held, take the PPST test and obtain a score of 173 in reading, 172 in writing, and 172 in math or have ACT scores of 22 in the corresponding areas; complete the required Professional Education courses and specific general education courses; complete an application file, including references; maintain at least a 2.75 GPA within their major and a 2.75 GPA overall; be approved by the Institute of Applied Technology; and be admitted to student teaching (block).

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities	
IDS 350 Diversity in the United States	3
Two Electives	6
Mathematics and Natural Sciences	
MATH 250 Elements of Statistics	3
Two Electives, One Laboratory	7
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Technology Studies Core

A total of 17 hours from…

Code	Course Title	Hours
TECS 120	Power, Energy, and Transportation	3
TECS 130	STEM in Technology Systems	3
TECS 200	Engineering Graphics	3
TECS 312	Graphic Communication Techniques	3
TECS 318	Introduction to Computer-Aided Drafting	3
TECS 490	Occupational Safety, Health, & Liability	2

Technology and Engineering Education Core

A total of 17 hours from…

Code	Course Title	Hours
TECS 180	Materials, Processes & Production	3
TECS 240	Plastic Processes	3
TECS 260	Metal Processes	3
TECS 277	Early Field Experience	1
TECS 280	Wood Processes	3
TECS 440	Maintenance & Repair of Equipment	1
TECS 460	Teaching Technology Education	3

CTE Pathway Certificate Areas

Choose 9 credit hours from one of the following areas.
A minimum of 1 certificate is required.

Construction

Code	Course Title	Hours
TECS 314	Furniture & Cabinet Construction	3
TECS 484	Site Prep. & Foundation	3
TECS 485	Building Construction	3

Drafting/Engineering Design

Code	Course Title	Hours
TECS 355	Computer Aided Drafting	3
TECS 415	Construction Graphics	3
TECS 445	Civil Drafting	3

Drafting/Engineering Design

Code	Course Title	Hours
TECS 355	Computer Aided Drafting	3
TECS 415	Construction Graphics	3
TECS 445	Civil Drafting	3

Manufacturing

Code	Course Title	Hours
TECS 119	Introduction to Welding	3
TECS 331	Machine Tool Operations	3
TECS 430	Computer-Aided Manufacturing	3

STEM

Code	Course Title	Hours
TECS 310	Manufacturing Graphics	3
TECS 355	Computer-Aided Drafting	3
TECS 375	Robotics: Eng. Problem Solving	3

Teacher Education Core—Grade of "C" of better required

A total of 12 hours from…

Code	Course Title	Hours
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TECS 301	Introduction to Instructional Technology	3
TESP 302	Educating Exceptional Students	3

Electives by approval

A total of 10 hours from…

Code	Course Title	Hours
	Electives	10

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Technology Studies (Construction Management)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Industrial Technology Core

A total of 32 hours from…

Code	Course Title	Hours
TECS 120	Power, Energy, and Transportation	3
TECS 130	STEM in Technology Systems	3
TECS 200	Engineering Graphics	3
TECS 312	Graphic Communication Techniques	3
TECS 318	Introduction to Computer-Aided Drafting	3
TECS 480	Industrial Management	3
TECS 490	Occupational Safety, Health, & Liability	2
TECS 495	Training & Instructional Systems	3
TECS 499	Industrial Internship	9

Construction Management Core

A total of 24 hours from…

Code	Course Title	Hours
TECS 380	Materials Finishing & Testing	3
TECS 382	Construction Estimating & Scheduling	3
TECS 385	Construction Planning and Design	3
TECS 415	Construction Graphics	3
TECS 475	Mechanical and Electrical Systems	3
TECS 484	Site Preparation & Foundation	3
TECS 485	Building Construction	3

TECS Management Requirements

A total of 9 hours from…

Code	Course Title	Hours
GBUS 204	Business Law	3
MGT 301	Management Principles	3
MGT 411	Applied Management Skills	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Technology Studies (Construction Technology)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Industrial Technology Core

A total of 32 hours from…

Code	Course Title	Hours
TECS 120	Power, Energy, and Transportation	3
TECS 130	STEM in Technology Systems	3
TECS 200	Engineering Graphics	3
TECS 312	Graphic Communication Techniques	3
TECS 318	Introduction to Computer-Aided Drafting	3
TECS 480	Industrial Management	3
TECS 490	Occupational Safety, Health, & Liability	2
TECS 495	Training & Instructional Systems	3
TECS 499	Industrial Internship	9

Construction Technology Core

A total of 27 hours from…

Code	Course Title	Hours
TECS 180	Materials, Processes & Production	3
TECS 240	Plastic Processes	3
TECS 280	Wood Processes	3
TECS 314	Furniture and Cabinetmaking Construction	3
TECS 380	Materials Finishing and Testing	3
TECS 415	Construction Graphics	3
TECS 420	Fluid Systems: Hydraulics/ Pneumatics	2
TECS 440	Maintenance & Repair of Equipment	1
TECS 475	Mechanical and Electrical Systems	3
TECS 485	Building Construction	3

TECS Technology Requirements

A total of 6 hours from…

Code	Course Title	Hours
MGT 101	Intro to Business	3
MGT 301	Management Principles	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Technology Studies
(Engineering Design Technology)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Industrial Technology Core
A total of 32 hours from…

Code	Course Title	Hours
TECS 120	Power, Energy, and Transportation	3
TECS 130	STEM in Technology Systems	3
TECS 200	Engineering Graphics	3
TECS 312	Graphic Communication Techniques	3
TECS 318	Introduction to Computer-Aided Drafting	3
TECS 480	Industrial Management	3
TECS 490	Occupational Safety, Health, & Liability	2
TECS 495	Training & Instructional Systems	3
TECS 499	Industrial Internship	9

Engineering Design Technology Core
A total of 27 hours from…

Code	Course Title	Hours
TECS 180	Materials, Processes & Production	3
TECS 310	Manufacturing Graphics	3
TECS 355	Computer Aided Drafting	3
TECS 375	Robotics: Engineering Problem Solving	3
TECS 385	Construction Planning and Design	3
TECS 415	Construction Graphics	3
TECS 445	Civil Drafting	3
TECS 475	Mechanical & Electrical Systems	3

TECS Management Requirements
A total of 9 hours from…

Code	Course Title	Hours
MGT 101	Intro to Business	3
MGT 301	Management Principles	3

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Technology Leadership

Degree Overview

A total of 120 credits from...

Specified General Education Courses:	Credits
Associate of Applied Science Degree from Community / Technical College	40
Elective/Specified General Education Courses:	
General Education: Transfer Articulation Agreement	45
(Minimum of 12 hours of upper-division requirements)	
General Education Course—Required IDS 390	3
Option I and II Requirements	32

General Education Requirements

A total of 45 credits from...

Basic Skills courses, including: 6 hours of English Composition, 3 hours of Speech, Communication, 3 hours of college level mathematics.	12
Humanities courses (performance/studio courses are excluded) from at least three of the following disciplines: Art, Theater, Philosophy, Modern Languages, Music, History, or Literature.	12
Social and Behavioral Science courses from at least three of the following disciplines: Sociology, Psychology, Political Science, Economics, Geography, Anthropology	12
Natural and Physical Science courses from at least two disciplines (lecture with lab).	9

** IDS 390 Technology in Society, is a required general education course for the program of study. **

Business and Industry Concentration (Option 1)

A total of 32 hours from…

Code	Course Title	Hours
COMM 606 **OR** BCOM 301	Conflict Management through Communication **OR** Business Comm.	3
IDS 401 **OR** IDS 301	Ethical Issues in the Professions & Business **OR** Bioethics	3
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 306	Leadership and Team Dynamics	3
MGT 301	Management Principles	3
MIS 304	Management Information Systems **OR** Approved MIS Elective	3
MKT 301	Marketing Principles	3
TECS 480 **OR** MGT 602	Industrial Management **OR** Production & Operations Management	3
TECS 490	Occupational Safety, Health, & Liability	2
TECS 495 **OR** MGT 614	Training and Instructional Systems **OR** Training and Development	3

Career and Technical Education (Option 2)

A total of 32 hours from…

Code	Course Title	Hours
BUED 613	Organization & Administration of CTE Programs	3
IDS 300+	Elective: Interdisciplinary Studies	3
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 306	Leadership and Team Dynamics	3
TECS 301	Introduction to Instructional Technology	3
TECS 312	Graphic Communication Techniques **OR** Approved Elective: Technology or Ed.	3
TECS 460	Teaching Technology Education	3
TECS 490	Occupational Safety, Health & Liability	2
TEEL 340 **OR** TEEL 350	The Effective Classroom **OR** Curriculum & Assessment	3
TESP 302	Educating Exceptional Students	3

Bachelor of Science: Technology Studies
(Manufacturing Technology)

University Degree Requirements
A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Industrial Technology Core
A total of 32 hours from…

Code	Course Title	Hour
TECS 120	Power, Energy, and Transportation	3
TECS 130	STEM in Technology Systems	3
TECS 200	Engineering Graphics	3
TECS 312	Graphic Communication Techniques	3
TECS 318	Introduction to Computer-Aided Drafting	3
TECS 480	Industrial Management	3
TECS 490	Occupational Safety, Health, & Liability	2
TECS 495	Training & Instructional Systems	3
TECS 499	Industrial Internship	9

Manufacturing Technology Core
A total of 27 hours from…

Code	Course Title	Hour
TECS 119	Introduction to Welding	3
TECS 180	Materials, Processes & Production	3
TECS 240	Plastic Processes	3
TECS 260	Metal Processes	3
TECS 280	Wood Processes	3
TECS 331	Machine Tool Operations	3
TECS 375	Robotics: Engineering Problem Solving	3
TECS 420	Fluid Systems: Hydraulics/Pneumatics	2
TECS 430	Computer-Aided Manufacturing	3
TECS 440	Maintenance & Repair of Equipment	1

TECS Management Requirements
A total of 9 hours from…

Code	Course Title	Hour
MGT 101	Intro to Business	3
MGT 301	Management Principles	3

Totals
A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Associate of Applied Science: Technology and Leadership

(Business Communication Technology)

Required Courses

A total of 15 credits from...

Code	Course Title	Hour
ENG 101	English Composition I	3
ENG 102	English Composition II	3
COMM 100	Fundamentals of Oral Communication	3
MIS 101	Introduction to Computer Info. Systems	3
Choose one from the following:		
ECFI 201	Principles of Economics: Micro	3
ECFI 202	Principles of Economics: Macro	3
FIN 205	Theory and Practice of Personal Finance	3
MATH 101	Liberal Arts Mathematics	3
MATH 110	College Algebra	3

Business Communication Technology Concentration

A total of 36 credits from...

Code	Course Title	Hours
MATH 110	College Algebra	3
BCOM 210	Introduction to Professional Development	3
GBUS 204	Business Law I	3
INF 250 **OR** INF	Introduction to Web Development **OR** Web Design for Non-Majors	3
INF 304	Management Information Systems I	3
LDRS 306	Leadership and Team Dynamics	3
COMM 128	Communication in Society **OR**	
TECS 312	Fundamentals of Graphic Communications	3
BCOM 300	Spreadsheet Applications	3
MGT 301	Management Principles	3
MKT 301	Marketing Principles	3
ACCT 203	Principles of Accounting I	3
BCOM 301	Business Communications	3

Communication Technology Electives

A total of 3 credits from…

HHP 200	Personal Wellness	3
GSCI 110	World Geography	3
HIST 111	Modern World Civilization	3
ART 180	Fundamentals and Art Appreciation	3
PHIL 120	Introduction to Philosophy	3
MUSIC 161	Listening to Music	3

Free Electives

A Total of 6 credits from...

Electives	Free Electives by Advisement	6

Totals

A total of 45 credits from…..

University Requirements	15
Department Requirements	45
Total	**60**

*Note: Leadership Studies requires three credits of math as part of the 15 hours of required courses; either MATH 101 -or- MATH110 will fulfill the program requirement. The business concentrations require MATH 110 as part of the business programs of study; ECON 201, ECON 202, or FIN 205 will fulfill the above general requirement for the two business concentrations.

Associate of Applied Science: Technology and Leadership

(Business Training Systems)

Required Courses

A total of 15 credits from...

Code	Course Title	Ho
ENG 101	English Composition I	3
ENG 102	English Composition II	3
COMM 100	Fundamentals of Oral Communication	3
INF 101	Introduction to Computer Info. Systems	3
Choose one from the following:		
ECON 201	Principles of Economics: Micro	3
ECON 202	Principles of Economics: Macro	3
FIN 205	Theory and Practice of Personal Finance	3
MATH 110	College Algebra	3

Business Training Systems Concentration

A total of 36 credits from...

Code	Course Title	Hour
MATH 110	College Algebra	3
BCOM 210	Intro. to Professional Development	3
INF 250 **OR** INF 322	Introduction to Web Development **OR** Web Design for Non-Majors	3
LDRS 306	Leadership and Team Dynamics	3
COMM 128	Communication in Society **OR**	
TECS 312 **OR** COMM	Fundamentals of Graphic Communication **OR** Communication in Society	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TECS 301	Intro to Instructional Technology	3
BUED 421	Electronic Media in Instruction	3
BUED 612	Individual Training & Job Analysis	3
TECS 495	Training/Instructional Systems	3
BCOM 301	Business Communications	3

Business Training Systems Electives

A total of 3 credits from…

HHP 200	Personal Wellness	3
GSCI 110	World Geography	3
HIST 111	Modern World Civilization	3
ART 180	Fundamentals and Art Appreciation	3
PHIL 120	Introduction to Philosophy	3
MUSIC 161	Listening to Music	3

Free Electives

A Total of 6 credits from...

Electives	Free Electives by Advisement	6

Totals

A total of 45 credits from…

University Requirements	15
Department Requirements	45
Total	**60**

Associate of Applied Science: Technology and Leadership (Industrial Technology)

Required Courses
A total of 15 credits from...

Code	Course Title	Hours
ENG 101	English Composition I	3
ENG 102	English Composition II	3
COMM 100	Fundamentals of Oral Communication	3
MIS 101	Introduction to Computer Info. Systems	3
Choose one from the following:		
ECFI 201	Principles of Economics: Micro	3
ECFI 202	Principles of Economics: Macro	3
FIN 205	Theory and Practice of Personal Finance	3
MATH 101	Liberal Arts Mathematics	3
MATH 110	College Algebra	3

Industrial Technology Concentration
A total of 15 credits from...

Code	Course Title	Hours
TECS 120	Power, Energy and Transportation	3
TECS 180	Materials, Processes, and Production	3
TECS 312	Fundamentals of Graphic	3
TECS 406	Problems: Industry Standards Safety	1
TECS 480	Industrial Management	3
TECS 490	Occupational Safety, Health, & Liability	2

Industrial Technology Electives or Transfer Hours
A total of 30 credits from…

TECS	Approved Technology Electives	30

Totals
A total of 60 credits from…

University Requirements	15
Department Requirements	45
Total	**60**

Associate of Applied Science: Technology and Leadership (Leadership Studies)

Required Courses
A total of 15 credits from...

Code	Course Title	Hours
ENG 101	English Composition I	3
ENG 102	English Composition II	3
COMM 100	Fundamentals of Oral Communication	3
MIS 101	Introduction to Computer Info. Systems	3
Choose one from the following:		
ECFI 201	Principles of Economics: Micro	3
ECFI 202	Principles of Economics: Macro	3
FIN 205	Theory and Practice of Personal Finance	3
MATH 101	Liberal Arts Mathematics	3
MATH 110	College Algebra	3

Leadership Studies Concentration
A total of 15 credits from...

Code	Course Title	Hours
LDRS 120	Issues in Leadership	6
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3
LDRS 310	Field Work in Leadership Studies	3

Technical Education: ACE Credit from Military Schools
A total of 15 credits from….

ACE Credit from Military Schools	15

Credit for Military Alignment: Kansas Board of Regents Credit for Prior Learning Initiative
A total of 15 credits from...

KBOR Credit for Prior Learning Initiative	15

Totals
A total of 45 credits from…..

University Requirements	15
Department Requirements	45
Total	**60**

Course Listing - Applied Technology

Undergraduate Credit

104 Approaches to Information Sources (1) A survey of general and multidisciplinary information sources and access to information through traditional methods and new technology. This is a user course, not for professional library media specialist preparation.

107 Fundamentals of Wood Technology (3) This course provides an introduction to the woodworking area. The safe use and care of hand and machine tools are stressed, and related subject matter is included in course content.

110 Communication Systems (3) The study of visual communications methods including graphic geometry, lettering, sketching, orthographic drawing, sectional views, pictorial drawing, dimensioning, and industrial communication systems.

118 Fundamentals of Metal Processes (3) Introduction to the basic skills of lathe, saw, grinding, drilling, milling, forging, metal finishing, sheet metal fabrication, and hand tool operations.

119 Introduction to Welding (3) A basic study of welding materials and processes and laboratory experiences in basic ARC and OXY acetylene welding.

120 Power, Energy, and Transportation (3) This course is designed to provide an introductory overview of energy, power transmission, and transportation systems that are commonly utilized by an industrial global society.

125 Fundamentals of the Internal Combustion Engine (2) A study of small horsepower gasoline engines of the two-and four-cycle, with theory of operations, maintenance, and repair of one- and two-cylinder engines.

128 Electrical Power and Energy (3) A study of theory and control of electrical energy, energy sources, applications, advanced circuitry, and residential wiring.

130 STEM in Technology Systems (3) A study of how people use Science, Technology, Engineering and Mathematics and the correlation between disciplines to manipulate materials, processes, and systems necessary for survival, work, and pleasure in a competitive, technological, and global society.

180 Materials, Processes and Production (3) This course is designed to acquaint students with the materials, processes and production of usable goods in a competitive, technological, and global society both in the construction and manufacturing industries.

200 Engineering Graphics (3) Laboratory experiences including dimensioning and tolerancing, auxiliary views, charts and graphs, threaded fasteners, welding, detail, and assembly drawings. Requisites: PR, TECS 110 or equivalent.

201 A+ Certification for High School Students (3) This course is a study of the knowledge, skills, and practices needed to become A+ Certified in the field of computer maintenance. Through a "hands-on" approach, students will learn problem solving and maintenance techniques while upgrading, building and repairing PCs. Through presentations and internet research, students will stay intelligently informed about the ever changing computer industry.

206 Special Topics + (1-3) Definite structured daily activities in the areas of construction, manufacturing, visual communications, materials and processes, power, and energy. Requisites: PERM.

212 Fundamentals of Graphic Communications (3) Introduction to fundamental production printing processes as related to industry. Includes relief, offset, gravure, and screening printing; photography and photo processes; office copying and duplicating.

220 Engine Systems (3) This course is an introduction to the theory of operation, maintenance, and repair of the internal combustion engine. Some of the areas of study will be: engine construction, lubrication systems, cooling systems, air supply systems, fuel supply systems, exhaust systems, ignition systems, and emission control systems. Engine diagnosis and service procedures will also be studied. Requisites: PR, TECS 120.

240 Plastic Processes (3) This course is designed to study the materials and processes used in the plastic industries. Material and processes will be studied both in the classroom and in the laboratory.

260 Metal Processes (3) Advanced metal technology with practice in machine tool processes, basic metallurgy, measurement and layout, product design, metal casting, abrasives, fitting, and assembly. Requisites: PR, TECS 180.

277 Early Field Experience (1-3) This course has been designed to provide technology education majors with observation and participation experience in their area of specialization. Pass/No Credit.

280 Wood Processes (3) This course provides for the study of the machine processes and materials related to wood industries. The safe use and care of machine tools are stressed. Laboratory activities provide opportunity for students to apply content. Requisites: PR, TECS 180.

290 Introduction to Instructional Technology (3) The 3-credit hour course provides experience in the application of instructional media and technologies for future teachers as well as beginning graduate students needing an introduction to instructional technology. Course content will apply to a variety of instructional settings. Requisites: PR, MIS 101 or equivalent.

302 Electronic Equipment Construction and Repair (3) A study in the theory and application of the contemporary electronic circuitry. Circuit development, circuit interaction, and circuit mal-

functions are analyzed through laboratory experiments. Requisites: PR, TECS 370.

310 Manufacturing Graphics (3) Development of drawing skills by the use of advanced problems. Laboratory experiences include design, production drawings, surface intersections, developed views, gears and cams, inking, and reproduction. Requisites: PR, TECS 200 or equivalent.

314 Furniture/Cabinet Construction & Finishing (3) This course shall be an in-depth study of sources, procedures, and selection of wood materials and equipment. It provides for study of period and contemporary furniture as well as demonstrating advanced cabinet and furniture construction. The study and applications of material finishing is incorporated into the course as well. Requisites: PR, TECS 280.

315 Plastics II (3) Plastic materials and processes will be studied in depth. Laboratory experiences will consist of project development through mold making as well as charting molding cycles through experimentation. Requisites: PR, TECS 240.

318 Introduction to Computer-Aided Drafting (3) This course is designed to help drafting students develop the knowledge, skills, and attitudes required to begin work at the job- entry level in such positions as: CAD technician trainee, CAD system operator, or CAD technician. The course is designed for students who have received in-depth training in one or more application areas, such as architectural, mechanical, drafting, etc. Requisites: PR

319 Digital Computer Circuits (2) Designed to acquaint the student with contemporary digital electronic systems. Topics include gates, registers, codes, encoders, decoders, and counters. Requisites: PERM.

325 Welding II (OXY Acetylene) (3) In-depth study of the OXY acetylene welding and cutting processes. Ferrous and nonferrous metallurgy will be studied. Requisites: PR, TECS 119.

326 Welding II (ARC) (3) Study of ARC welding processes with aluminum, stainless steel, hard surfacing, carbon ARC, cast iron, TIG, etc. Requisites: PR, TECS 119.

331 Machine Tool Operations (3) Development of advanced machining skills through the use of standard machine tools, layout procedures, measuring instruments, inspection techniques, and process planning. Requisites: PR, TECS 260.

340 Computer Applications for Agriculture (3) An advanced course primarily focused on the applied use of Microsoft Excel in the agricultural business environment. Pre-requisites: AGRI 113; MATH 110; MIS 101.

341 Automotive Drive-train Systems (3) A study of the operation and repair of clutches, brakes, transmission, differentials, and axles. Also included are steering suspension, front end alignment, and balancing. Requisites: PR, TECS 220.

350 Screen Process Printing (3) An in-depth study of screen printing processes used in industry. Includes hands-on experiences in hand-cut and photographic methods of screen printing. Requisites: PR, TECS 212.

351 Material Finishing (3) This course is designed to provide an opportunity for the student to develop skills and an understanding of basic techniques of material finishing. Additional information will be provided on selection and application of various materials. Requisites: PR, TECS 280.

355 Computer-Aided Drafting (3) Students will develop knowledge and skills in computer-aided drafting through study of concepts, principles, terminology, as well as hands-on experience with state-of-the-art CAD hardware. Requisites: PR, six hours of drafting or equivalent.

360 Jigs and Fixtures (3) A study of tool design, which deals with the process of designing and developing those special tools, methods, and techniques necessary to improve manufacturing efficiency and productivity. Requisites: PR, TECS 260.

370 Electronic Systems and Instrumentation (3) The study of the theory and operation of contemporary electronic circuits using instrumentation as the foundation of understanding. Passive and active devices will be analyzed as to their functional applications. Requisites: PR, TECS 120.

375 Robotics: Engineering Problem Solving (3) This is a problem-based course designed for students interested in the high technology aspect of robotic and automated systems. Industry-based robot and student designed systems are used extensively. Problem solving techniques are used to design and engineer remote controlled and autonomous robotic systems. Requisites: PR, TECS 120, TECS 130, TECS 180.

380 Construction Materials and Testing (3) This course is designed to provide students with an opportunity to study production materials, their uses, properties and application. Material testing, both destructive and non-destructive are also incorporated within this course. Requisites: PR, TECS 280.

385 Construction Planning and Design (3) This construction course provides an overview of contemporary design principles and practices. Emphasis will be placed on design criteria, specifications, components, enhancement elements, and construction systems. Requisites: TECS 200, TECS 380.

390 Instructional Technology for Elementary School (3) This 3-credit hour course provides an overview of integration of instructional media and technology into elementary and middle school programs. Requisites: PR, MIS 101 or equivalent, TECS 290, and admitted to Teacher Education Program.

395 Instructional Technology for Secondary Educators (3) This 3-credit hour course provides an overview of integration of instructional media and technology into middle and secondary school programs. Requisites: PR, TECS 290.

400 Solar Heating and Cooling Principles and Practices (3) This course concerns itself with solar energy as an alternative primary energy source. Practical discussion topics are centered on active, as well as passive, solar systems.

406 Problems in Technology Studies + (1-3) Definite structured daily activities in the areas of construction, manufacturing, visual communications, materials and processes, power, and energy. Requisites: PERM.

412 Introduction in Multimedia (3) This course presents an introduction to multimedia technologies and applications. The course is designed to allow students with no previous experience as well as those with experience to extend their competencies in the use of visual, audiovisual, computer, multimedia, and hypermedia materials. Requisites: junior or senior standing.

415 Construction Graphics (3) Laboratory experiences include planning and drawing working drawings for a residence. Problems covered are building codes, architectural standards, materials, styles, and finance. Requisites: PR, TECS 200 or equivalent.

417 Lithography (3) This course will provide comprehensive experience in photo-offset lithography using a small offset press. Course includes process camera work, stripping techniques, offset press plate-making, press make-ready, operation adjustments, and maintenance. Requisites: PR, TECS 212.

420 Fluid Systems: Hydraulics and Pneumatics (3) The study of the methods and principles utilized in transmitting power through the use of hydraulics, pneumatics, and fluids. Circuit design, ANSI symbols, and circuit schematics will be emphasized. Requisites: PR, TECS 120.

422 Introduction to Hypermedia/Hypertext (3) An in-depth study of color photography materials and processes. Includes exposing and processing of color slides and negatives, printing, and mounting of color prints from slides and negatives. Requisites: PR, TECS 212.

425 Electronic Communication (3) Designed for students interested in the technology of electronic communication systems. Material to be covered includes amplitude modulation, frequency modulation, television, satellite communication, and fiber optic systems. Requisites: PR, TECS 110, TECS 120.

430 Computer-Aided Manufacturing (3) This course deals with the operation and programming of machines which are controlled by a computer. This course develops entry-level skills and provides theory of computer numerical control (CNC). Requisites: PR, TECS 200, TECS 260.

432 Automotive Computer Systems (2) This course is a study of the automobile computer and the ways in which the computers manage the operation of the automobile. The background necessary to understand the operation and input and output devices used in controlling the functions of the automobile will be included. Requisites: PERM.

435 Trade and Job Analysis (2) The study of and practice in the use of analysis techniques for instructional purposes.

437 Visual Communications Color Photography (3) An in-depth study of color photography materials and processes. Includes exposing and processing of color slides and negatives, printing, and mounting of color prints from slides and negatives. Requisites: PR, TECS 110, TECS 212.

440 Maintenance and Repair of Equipment (3) This course is designed to meet the needs of industrial personnel in industry and education. Pre-planned experiences are designed to provide the student with information for maintenance of hand tools and industrial machines, with some emphasis on preventive maintenance. Requisites: PR, TECS 119, TECS 240, TECS 260, TECS 280.

445 Civil Drafting (3) This course is designed for students to develop an understanding of civil concepts and to learn operations of 3D civil software and its applications. The purpose of this course is to provide students with an opportunity to explore advanced features associated with the operations of AutoCAD 3D civil software and apply it to assignments in the civil drafting industry. This course is designed to help Engineering Design Technology students develop the knowledge, skills, and attitudes required to do upper level CAD operations in positions as a CAD designer, CAD systems operator or 3D CAD modeler. Civil Drafting will also aid Construction Management students in understanding building layouts, plot/site layouts, and tools used in the civil construction/drafting industry. Requisites: PR, TECS 318.

450 Recreational Activities in Older Adulthood (2) This course has been designed to acquaint the students with the necessary background and experience to work with older adults in developing activities that can be used after retirement. Requisites: PR, junior standing.

455 Adaptive Home Maintenance for Older Adults (2) This course has been designed to provide students with the necessary education and experience to be able to identify minor and major maintenance and repair needs around the home, to be able to perform minor repairs before they became major. Requisites: PR, junior standing.

460 Teaching Technology Education (3) Various aspects of teaching technology education are discussed, including philosophy, interviewing, content selection, organization, inventories, discipline, safety, and professionalism. Requisites: Admission to Teacher Education required; PERM.

465 Curriculum Modules (2) This course is designed to acquaint teachers with the philosophy, methods, laboratory activities, and instructional materials necessary to successfully implement and teach in an integrated, multiple, modular setting. Requisites: junior or senior standing.

470 Power and Energy Research and Development (4) Designed for students interested in researching a specific topic in the power and energy field. Depth of study is based upon student's knowledge; breadth is based upon student's commitment. Requisites: junior or senior standing.

475 Mechanical and Electrical Systems (3) A study of the design characteristics required for successfully knowing and understanding mechanical and electrical systems within a construction environment. Requisites: PR, TECS 385, TECS 415.

480 Industrial Management (3) This course is designed to acquaint students with the engineering, methods, and management aspects of business and industry in order that they may be able to establish industrial goals efficiently and effectively. Requisites: junior or senior standing.

483 Manufacturing Design and Production (3) A practical study of modern manufacturing methods with hands-on experiences in product development, parts production, assembly, finishing, and inspection. Requisites: PR, TECS 331, TECS 430.

484 Site Preparation and Foundation (3) This course is designed to acquaint students with site and foundation practices. Students will be exposed to construction equipment and will become familiar with job-site safety and working conditions. Students will gain proficiencies in building design, print reading, and surveying instruments and operation. The students will be introduced to work-related experiences on foundation and/or slab construction. Ultimately, students will be exposed to and practice construction management skills utilizing onsite supervisors. Requisites: PR, TECS 200.

485 Building Construction (3) This course is designed to provide opportunities for the student to develop skills and techniques necessary in selection, placement, and fabrication of materials used in light construction. Principles of good construction as well as regulatory agencies will be discussed. Requisites: PR, TECS 380, TECS 415.

490 Occupational Safety, Health, and Liability (2) This course has been designed to acquaint students with the legal issues pertaining to industrial safety, elements of liability and negligence, and the regulations established by OSHA. Requisites: junior or senior standing.

495 Training and Instructional Systems (3) This course is an application course designed to develop an understanding of the skills essential for successful development and presentation of technical instructional training programs in business and industrial environments. Requisites: junior or senior standing.

499 Internship (9) Students will be able to obtain an internship in one of four types of business and industry: (1) engineering design technology; (2) manufacturing technology; (3) construction management or construction technology; an (4) power, energy, and transportation technology. This internship will help students gain confidence by giving them the opportunity to apply their academic skills in a business or industry environment.

601 A+ Certification for Computer Maintenance (3) This course is a study of the knowledge, skills, and practices needed to become A+ Certified in the field of computer maintenance. Through a "hands-on" approach, students will learn problem solving and maintenance techniques while upgrading, building and repairing PCs. Through presentations and internet research, students will stay intelligently informed about the ever changing computer industry. Requisites: PR, Senior

603 Instructional Media + (1-3) Students will develop a competence in utilizing media materials to instructional goals; operation and care of equipment; sources, selection, and evaluation of software; and production of software.

605 Industrial Drafting Techniques and Problems (3) Development of advanced drawing skills through use of special topic drafting problems similar to those encountered by draftsmen in industry. Includes advanced technical and experimental work, computer-aided drafting applications. Requisites: PR, TECS 200.

606 Technology Issues (1-3) Definite structured daily activities in the areas of construction, manufacturing, visual communications, materials, and processes, power and energy. Requisites: PR, Permission Required.

610 Advanced Computer-Aided Drafting (3) This course is designed to help drafting students develop the knowledge, skills, and attitudes required to begin work at the job- entry level in such positions as: CAD technician trainee, CAD system operator, or CAD technician. The course is designed for students who have received in-depth training in one or more application areas, such as architectural, mechanical, drafting, etc. Requisites: PR, TECS 355.

630 Engine Analysis, Fuel, and Electrical (3) An advanced course for students who desire study of the theory, operation, maintenance, testing, evaluation, and trouble shooting of the fuel and electrical systems of automobiles. Requisites: PR, TECS 220.

640 Laboratory Set-up and Organization (3) This course is designed to meet the needs of industrial personnel in industry and education. Pre-planned experiences are designed to provide the student with information for maintenance of hand tools and industrial machines, with some emphasis on preventive maintenance. Requisites: PR, TECS 119, TECS 128, TECS 260, TECS 280.

690 Safety Education (3) This course has been designed to acquaint students with the legal issues pertaining to industrial safety, elements of liability and negligence, and the regulations established by OSHA. Requisites: PERM.

Applied Technology

Graduate Credit
All Graduate level courses have a requisite of Graduate Standing.

601G A+ Certification for Computer Maintenance (3) This course is a study of the knowledge, skills, and practices needed to become A+ Certified in the field of computer maintenance. Through a "hands-on" approach, students will learn problem solving and maintenance techniques while upgrading, building and repairing PCs. Through presentations and internet research, students will stay intelligently informed about the ever changing computer industry. Requisites: PR, Graduate Standing.

603G Instructional Media + (1-3) Students will develop a competence in utilizing media materials to instructional goals; operation and care of equipment; sources, selection, and evaluation of software; and production of software.

605G Industrial Drafting Techniques and Problems (3) Development of advanced drawing skills through use of special topic drafting problems similar to those encountered by draftsmen in industry. Includes advanced technical and experimental work, computer-aided drafting applications.

606G Technology Issues (1-3) Definite structured daily activities in the areas of construction, manufacturing, visual communications, materials, and processes, power and energy.

610G Advanced Computer-Aided Drafting (3) This course is designed to help drafting students develop the knowledge, skills, and attitudes required to begin work at the job- entry level in such positions as: CAD technician trainee, CAD system operator, or CAD technician. The course is designed for students who have received in-depth training in one or more application areas, such as architectural, mechanical, drafting, etc.

630G Engine Analysis, Fuel, and Electrical (3) An advanced course for students who desire study of the theory, operation, maintenance, testing, evaluation, and trouble shooting of the fuel and electrical systems of automobiles.

640 G Laboratory Set-up and Organization (3) This course is designed to meet the needs of industrial personnel in industry and education. Pre-planned experiences are designed to provide the student with information for maintenance of hand tools and industrial machines, with some emphasis on preventive maintenance.

690G Safety Education (3) This course has been designed to acquaint students with the legal issues pertaining to industrial safety, elements of liability and negligence, and the regulations established by OSHA.

801 IT Essentials I: PC Hardware and Software (3) This course is an in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance, and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, an introduction to networking is included. This course helps students prepare for CompTIA's A+ certification.

802 IT Essentials II: Network Operating Systems (3) This course is an intensive introduction to multi-user, multi-tasking network operating systems. Characteristics of the Linux, Windows 2000, NT, and XP network operating systems will be discussed. Students will explore a variety of topics including installation procedures, security issues, backup procedures and remote access.

803 Issues in Instructional Media + (1-3) Students will develop a competence in utilizing media materials to instructional goals; operation and care of equipment; sources, selection, and evaluation of software; and production of software.

820 Methods of Research (3) A study of systematic approaches to the types, methods, and techniques utilized in identification, selection, testing, and reporting of educational research problems.

830 School Shop Safety (3) Designed to meet the needs of the industrial arts instructor who recognizes the importance of safety education as an intricate part of the shop program.

850 Instructional Aids for the Laboratory (2) Construction study and use of instructional aids in laboratory teaching.

860 Teaching Techniques and Course Organization (3) Techniques employed in developing and evaluating course content and curricular materials.

870 Workshop + (1-3) Intensive study of some phase of industrial arts. Requisites: PERM of department chair.

874 Individual Studies of Technology + (3) Independent study of specialized problems concerning design, material selection, and fabrication in a specified area of technology. Requisites: PERM.

875 Organization of Multiple Activities in Technology Education (3) Techniques, laboratory activities, and instructional material used in the teaching of a multiple activity program.

880 History and Philosophy of Technology Education (3) A study of the historical development of technology education.

890 Research in Technology Studies + (1-4) Problems assigned to students on an individual basis of special interest to them.

899 Thesis (2-6) Individual study of a selected problem relating to technology.

+Course may be repeated
#Lab required
PERM: Permission
PR: Prerequisite

Department of Biological Sciences

For updated information, see our website at **www.fhsu.edu/biology**.

The Department of Biological Sciences offers a curriculum that provides students with the opportunity to enter a variety of careers in the areas of biology, natural resources, medical, and health fields. New students are assigned an academic advisor with expertise in a specific discipline or career area, who, along with the student, develops an individual program of study that will meet the necessary academic requirements. The department offers three B.S. degree options with numerous areas of major study and several preprofessional curricula. Each of these is described in detail elsewhere in this section of the catalog. Also, brochures are available from the departmental office describing in detail the various areas of study with examples of programs for certain majors.

Department of Biological Sciences Faculty & Staff

Chair: Dr. Tara Phelps-Durr

Professors: Dr. Chris Bennett, Dr. Rob Channel, Dr. Eric Gillock, Dr. Tara Phelps-Durr, Dr. William Stark

Associate Professors: Dr. Yass Kobayashi

Assistant Professors: Dr. Medhavi Ambardar, Dr. Mitchell Greer, Dr. Lorelei Patrick, Dr. Nicholas Stewart

Instructors: Dr. Claudia Carvalho, Mr. Matt Galliart, Ms. Hillary Gillock, Dr. David Tarailo, Dr. Emily Weber

Department Staff: Ms. Diana Staab, *Senior Administrative Assistant*

See department page online for full listing

Undergraduate Degrees

Bachelor of Science: Biology (General Biology)

Bachelor of Science: Biology (Health Professions)

Bachelor of Science: Biology (Natural Resources)

Bachelor of Science: Biology (Secondary Education)

Bachelor of General Science: Biology

Graduate Degrees

Master of Science: Biology

Minors

Minor in Biology

Bachelor of Science: Biology (General Biology)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
CHEM 120/120L University Chemistry I / Lab	5
MATH 331 Calculus Methods	3
One Elective Course	2
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Biology Core

A total of 16 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
Take two of the following:		
BIOL 250/250L	Botany / Lab	4
BIOL 260/260L	Zoology / Lab	4
BIOL 490/490L	General Microbiology / Lab	4
Take one of the following:		
BIOL 325/325L	Genetics/ Lab	4

Structure and Function

A total of 8 hours from...

Code	Course Title	Hours
BIOL 230/230L	Anatomy and Physiology I / Lab	4
BIOL 231/231L	Anatomy and Physiology II / Lab	4
BIOL 330/330L	Plant Anatomy / Lab	4
BIOL 345/345L	Human Anatomy / Lab	4
BIOL 346/346L	Human Physiology / Lab	4
BIOL 450/450L	Comparative Anatomy / Lab	4
BIOL 495/495L	Plant Physiology / Lab	4

* BIOL 230 and BIOL 230L must be taken in combination.

Additional Process Class

Take one of the following (3 or 4 hours)...

Code	Course Title	Hours
BIOL 395/395L	Ecology / Lab	4
BIOL 435/435L	Cellular Biology / Lab	4
BIOL 420	Evolution	3

Upper-Division Requirements

A total of 20 hours from...

Take any courses with "BIOL" prefix and are 300 level and above. Courses that were not used to meet requirements for previous sections can be used. Please consult with advisor to select

Cognates

A total of 12-17 hours from...

Take two chemistry courses, take one course in statistics, and take one course in quantitative analysis:

Code	Course Title	Hours
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
OR		
CHEM 112/112L	General Chemistry I / Lab	3
CHEM 114/114L	General Chemistry II / Lab	3
Take one course in Statistics:		
MATH 250	Elements of Statistics	3
OR		
BIOL 620/620L	Biostatistics / Lab	4
Take one course in Quantitative Analysis:		
MATH 331	Calculus Methods	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Biology (Health Professions)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
CHEM 120/120L University Chemistry I / Lab	5
MATH 331 Calculus Methods	3
One Elective Course	2
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Biology Core

A total of 16 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 325/325L	Genetics/Lab	4
Take two of the following:		
BIOL 250/250L	Botany / Lab	4
BIOL 260/260L	Zoology / Lab	4
BIOL 490/490L	General Microbiology / Lab	4

Structure and Function

A total of 8 hours from...

Code	Course Title	Hours
BIOL 330/330L	Plant Anatomy / Lab	4
BIOL 345/345L	Human Anatomy / Lab	4
BIOL 346/346L	Human Physiology / Lab	4
BIOL 450/450L	Comparative Anatomy / Lab	4
BIOL 495/495L	Plant Physiology / Lab	4

Additional Process Class

A minimum of 3 hours from...

Code	Course Title	Hours
BIOL 395/395L	Ecology	4
BIOL 435	Cellular Biology	3
BIOL 420	Evolution	3

Upper-Division Requirements

A total of 7 hours from...

Take any courses with "BIOL" prefix and are 300 level and above. Please consult with advisor to select courses.

Cognates

A minimum of 15 hours, two required courses and a minimum of one elective.

Chemistry - Minimum of 5 hours

Code	Course Title	Hours
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
Organic Chemistry Elective - Minimum of 5 hours		
CHEM 304/304L	Essentials of Organic Chemistry / Lab OR	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
Biochemistry Elective - Minimum of 5 hours		
CHEM 360/360L	Essentials of Biochemistry / Lab ***OR***	5
CHEM 662/662L	Biochemistry I / Lab	5
CHEM 664/664L	Biochemistry I / Lab	5
Physics Elective - 10 hours		
PHYS 111/111L	Physics I / Lab	5
PHYS 112/112L	Physics II / Lab	5
OR		
PHYS 211/211L	Physics for Scientists & Engineers I	5
PHYS 212/212L	Physics for Scientists & Engineers II	5
Mathematics– 6 hours		
MATH 250	Elements of Statistics ***OR***	3
BIOL 620/620L	Biostatistics / Lab	4
MATH 331	Calculus Methods ***OR***	
MATH 122	Plane Trigonometry	3

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Biology (Natural Resources)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
CHEM 120/120L University Chemistry I / Lab	5
MATH 331 Calculus Methods	3
One Elective Course	2
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Biology Core

A total of 15-16 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 250/250L	Botany / Lab	4
BIOL 260/260L	Zoology / Lab	4
Take one of the following:		
BIOL 325/ 325L	Genetics/Lab	4
BIOL 420	Evolution/Lab	3

Structure and Function

A total of 8 hours from...

Code	Course Title	Hours
BIOL 230/230L	Anatomy and Physiology I / Lab	4
BIOL 231/231L	Anatomy and Physiology II / Lab	4
BIOL 330/330L	Plant Anatomy / Lab	4
BIOL 345/345L	Human Anatomy / Lab	4
BIOL 346/346L	Human Physiology / Lab	4
BIOL 450/450L	Comparative Anatomy / Lab	4
BIOL 495/495L	Plant Physiology / Lab	4

* BIOL 230 and BIOL 230L must be taken in combination.

Additional Process Class

A total of 4 hours from...

Code	Course Title	Hours
BIOL 395/395L	Ecology/Lab	4

Upper-Division Requirements

A total of 23 hours from...

Take any courses with "BIOL" prefix and are 300 level and above. Courses that were not used to meet requirements for previous sections can be used. Please consult with advisor to select

Cognates

A total of 10-14 hours from...

Take two chemistry courses, in consultation with advisor.

Code	Course Title	Hours
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
OR		
CHEM 112/112L	General Chemistry I / Lab	3
CHEM 114/114L	General Chemistry II / Lab	3
Required :		
BIOL 620/620L	Biostatistics / Lab	4

Free Electives

A total of 0-5 hours from...

Free Electives	5

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Biology (Secondary Education)

University Degree Requirements

A total of 45 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	
IDS 350 Diversity in the United States	3
IDS 499 Global Environmental Issues	3
One Elective	3
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

Biology Major

A total of 40 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 230/230L	Anatomy & Physiology I / Lab	4
BIOL 231/231L	Anatomy & Physiology II / Lab	4
BIOL 235	Early Field Experience	1
BIOL 250/250L	Botany / Lab	4
BIOL 260/260L	Zoology / Lab	4
BIOL 325	Genetics	3
BIOL 395/395L	Ecology / Lab	3
BIOL 420	Evolution	3
BIOL 476	Apprenticeship in Biology	1
BIOL 490/490L	General Microbiology / Lab	5
BIOL 620/620L	Biostatistics / Lab	4

Cognates

A total of 21 hours from...

Code	Course Title	Hours
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / lab	5
CHEM 480	Laboratory Safety	1
MATH 331	Calculus Methods	3
PHYS 111/111L	Physics I / Lab	5
PHYS 606	Science Teaching Methods	2

Education Courses

A total of 31 hours from...

Code	Course Title	Hours
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TESP 302	Educating Exceptional Students	3
TECS 290	Intro to Instructional Technology	3
TEEL 431	Educational Psychology	3
TESS 494	The Secondary School Experience	4
TESS 496	Directed Teaching Secondary	12

Totals

A total of 139 credits from...

University Requirements	45
Department Requirements	92
Total	**137**

Bachelor of Science: General Science (Biology)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

General Science Core

A total of 18 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
CHEM 120/120L	University Chemistry I / Lab	5

Choose 4 hours from the following:

Code	Course Title	Hours
GSCI 100	Introduction to Geology	3
GSCI 101	Elements of Physical Geology	3
GSCI 102	Introduction to Geology Laboratory	1
GSCI 200	Physical Geology	3
GSCI 200L	Physical Geology Laboratory	2
GSCI 275	Climate Change: Science and Impacts	3

Choose 5 hours from the following:

Code	Course Title	Hours
PHYS 111	Physics I	4
PHYS 111L	Physics I Laboratory	1
PHYS 211	Physics for Scientists and Engineers I	4
PHYS 211L	Physics for Scientists and Engineers I / Lab	1

General Science Core

Choose 15 hours from the following...

Code	Course Title	Hours
BIOL 230	Anatomy and Physiology I	3
BIOL 230L	Anatomy and Physiology I Lab	1
BIOL 231	Anatomy and Physiology II	3
BIOL 231L	Anatomy and Physiology II Lab	1
BIOL 240	Microbiology for Allied Health	3
BIOL 240L	Microbiology Lab	1
BIOL 245	Medical Terminology	2
BIOL 250	Botany	3
BIOL 250L	Botany Laboratory	1
BIOL 260	Zoology	3
BIOL 260L	Zoology Laboratory	1
BIOL 325	Genetics	3
BIOL 325L	Genetics Laboratory	1
BIOL 330	Plant Anatomy	3
BIOL 330L	Plant Anatomy Laboratory	1
BIOL 345	Human Anatomy	2
BIOL 345L	Human Anatomy Laboratory	2
BIOL 346	Human Physiology	3
BIOL 346L	Human Physiology Laboratory	1
BIOL 395	Ecology	3
BIOL 395L	Ecology Laboratory	1
BIOL 435	Cellular Biology	3
BIOL 435L	Cellular Biology Laboratory	1
BIOL 490	General Microbiology	3
BIOL 490L	General Microbiology Laboratory	2
BIOL 648	Immunology	3

Free Electives

A total of 32 hours

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Minor in Biology

Choose 20 credits from the following courses...

Code	Course Title	Credits
BIOL 180/180L	Principles of Biology / Lab	4
BIOL 250/250L	Botany /Lab	4
BIOL 260/260L	Zoology / Lab	4
BIOL 300+	Upper-division biology electives chosen in consultation with advisor	8

You can earn a minor in biology to complement your degree from another department at FHSU. The minor consists of at least 20 hours of biology coursework.

Master of Science: Biology

The graduate program in biology provides flexibility to students seeking advanced study in such areas as biology, botany, conservation biology, ecology, rangeland biology, systematics, wildlife biology, and zoology. ***Graduate curricula are not specified as such, rather graduate programs are designed, and must be approved by the student's committee, according to the needs and career objectives of the individual student.***

Graduate programs are available both for those seeking a terminal M.S. degree and for those who may seek acceptance into a doctoral program at another university. Degree options and other details are covered in the Graduate Student Handbook, which is available from the office of the department chair.

All graduate programs designed for research professions or doctoral programs require a thesis. Students preparing for a secondary teaching career or desiring a "general" M.S. degree may select the non-thesis option, which requires additional coursework and a research paper in lieu of a thesis. A summer-only program for secondary teachers is a four-year, non-thesis option. Students wishing to pursue a thesis option require a major professor to supervise their thesis research.

Course Listing - Biology

Undergraduate Credit

100 Human Biology* (3) An introductory course using fundamental concepts of human structure and function as the starting point for the exploration of principles of processes common to all living systems and the interrelationships between humans and the rest of the biosphere.

102 Laboratory Experiences in Biology* (1) A laboratory and field course centered on fundamental experiences in the biological sciences. Requisites: optional PR or co-requisite, BIOL 100, BIOL 200, or BIOL 300.

150 Introduction to Biology and Health (3) This course is an introductory course using the fundamental concepts of human structure and function as the starting point for the exploration of principles of processes common to all living systems and the interrelationship between humans and the rest of the biosphere.

180 Principles of Biology # (3) Biological principles common to both plants and animals: physiochemical bases of life from molecular to organismal levels; interactions of organisms and environment; concepts of genetics and evolution. Requisites: co-requisite, BIOL 180L.

180L Principles of Biology Laboratory (1) A laboratory course designed to provide biology majors with a range of experimental and observational experiences in the biological sciences that will prepare them for the various biology courses to follow. Requisites: co-requisite, BIOL 180.

200 Humans and the Environment* (3) The ecosystem, the human attitudes and factors affecting the ecosystem, and alternatives to the present situation.

230 Anatomy and Physiology I # (3) Selected details of the structure and function of the human integumentary, skeletal, muscular, nervous, and endocrine organ systems are presented. The course is designed to serve students majoring in nursing, athletic training, and allied health fields. Requisites: PR, BIOL 100 or equivalent; co-requisite, BIOL 230L.

230L Anatomy and Physiology I Laboratory (1) Selected details of the structure and function of the human integumentary, skeletal, muscular, nervous, and endocrine organ systems are studied by observation of models, preserved organs, and preserved cats, and by measurements, particularly those that can be made non-invasively. Requisites: Co-requisite, BIOL 230.

231 Anatomy and Physiology II (3) Selected details of the structure and function of the human cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive organ systems are presented. The course is designed to serve students majoring in nursing, athletic training, and allied health fields. Requisite: BIOL 230, Co-Lab BIOL 231L

231L Anatomy and Physiology II Laboratory (1) Selected details of the structure and function of the human cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive organ systems are studied by observation of models and preserved organs, and by measurements, particularly those that can be made non-invasively. Requisite: PR, BIOL 230 and BIOL 230L, CR, BIOL 231.

235 Early Field Experience: Biology (1) Provides biological science education majors with observation and participatory experience in a classroom environment in their area of specialization. Requisites: PR, PERM.

240 Microbiology for Allied Health # (3) Characteristics and activities of microorganisms and their relation to health and disease. Requisites: PR, BIOL 100., CL, BIOL 240L.

240L Microbiology Lab (2) Requisites: CR, BIOL 240.

245 Medical Terminology (2) Selected common medical terms and their usages. The word-building system for medical terms, including prefixes, suffixes, and abbreviations.

250 Botany # (3) Survey of the plant kingdom; morphological and anatomical aspects of nonvascular and vascular plants. Requisites: PR, BIOL 180; CR, BIOL 250L.

250L Botany Laboratory (1) Requisites: CR, BIOL 250.

260 Zoology # (3) Survey of the animal kingdom, including invertebrates and vertebrates. Requisites: PR, BIOL 180; CL, BIOL 260L.

260L Zoology Laboratory (1) Requisites: co-requisite, BIOL 260.

300 Human Heredity* (3) Principles underlying the inheritance of characteristics in the human.

323 Field Biology # (2) Identification of native Kansas plants and animals and their interrelationships in nature. Requisites: co-requisite, BIOL 323L.

323L Field Biology Lab (1) Requisites: co-requisite, BIOL 323.

325 Genetics (3) An introductory course in genetics, stressing principles and concepts. Requisites: junior standing; PR, BIOL 180; co-requisite, BIOL 325L.

325L Genetics Laboratory (1) Requisites: co-requisite, BIOL 325.

330 Plant Anatomy # (3) Structure and development of tissues and organs of vascular plants, with emphasis on the spermatophytes. Requisites: PR, BIOL 250; CL, BIOL 330L.

330L Plant Anatomy Lab (1) Requisites: co-requisite, BIOL 330.

335 Physiology of Aging (3) Physiological changes as a result of aging or of age-related pathology. Roles of heredity, diet, exercise, and lifestyle in the aging process. Requisites: PERM.

345 Human Anatomy # (2) Structure of the human body. Requisites: co-requisite, BIOL 345L.

345L Human Anatomy Lab (2) Requisites: co-requisite, BIOL 345.

346 Human Physiology # (3) Functions of the systems of the human body. Clientele: pre-PT, pre-MT, pre-pharmacy, biology majors in the laboratory option. Requisites: PR, Junior Standing or completion of BIOL 260/260L, CHEM 120/120L and CHEM 122/122L.

346L Human Physiology Lab (1) Qualitative and quantitative studies of the functioning of the systems of the human body. Requisites: PR, BIOL 180, CHEM 120, CHEM 122; co-requisite, BIOL 346.

395 Ecology # (3) Biotic regions of the world with emphasis on the structural and functional aspects of North American ecosystems. Requisites: PR, BIOL 180; co-requisite, BIOL 395L.

395L Ecology Laboratory (1) Requisites: co-requisite, BIOL 395.

401 Virology (3) Study of viruses of animals, plants and bacteria, including their structure, function, evolution and implications for society. Requisites: PR, BIOL 180.

404 Clinical Immunology (0-8) Includes immunohematology and serology, blood groups and types, cross matches, blood components, and laboratory methods. Requisites: PERM.

410 Allied and Public Health Topics + (1-6) Applications of biological sciences to specific health issues and conditions.

420 Evolution (3) Processes and results of organic evolution. Requisites: PR, BIOL 180.

435 Cellular Biology # (3) Structure and function, including physical, chemical, and physiological processes, of cells in both plants and animals. Requisites: PR, BIOL 180;

435L Cellular Biology Lab (1) Requisites: co-requisite, BIOL 435.

450 Comparative Anatomy # (3) Vertebrate evolution by comparative anatomical methods. Dissection of representative vertebrates. Requisites: PR, BIOL 260; CL, BIOL 450L.

450L Comparative Anatomy Laboratory (1) Requisites: CL, BIOL 450.

458 Seminar in Biology + (1) Presentation of research techniques or discussion concerning concepts of biology.

470 Problems in Biology + (1-5) Individual study of a non-research problem. Requisites: PR, PERM of academic area advisor.

471 Problems in Biology (research) + (1-4) To meet the research needs of students within the department. Requisites: PERM of academic area advisor.

476 Apprenticeship in Biology + (1-3) Course is designed to provide practical experience in teaching in biology. Requisites: PERM of department chair.

480 Teaching Methods in Biology (1) Classroom, laboratory, and field techniques used in teaching biology in the secondary school. Requisites: PR, junior standing; admission to Teacher Education required.

482 Readings in Biology + (1-3) Readings and written reports on special topics in biology. Requisites: PERM.

490 General Microbiology # (3) Microbial ecology and the molecular biology of microorganisms, including metabolism, genetics, and biotechnology are discussed. Requisites: PR, BIOL 180/180L, CL, BIOL 490L.

490L General Microbiology Laboratory (2) Requisites: CR, BIOL 490.

495 Plant Physiology # (3) Life processes and how they relate to the total activity of the plant body. Absorption, photosynthesis, transpiration, respiration, translocation, growth, and reproduction. Requisites: PR, BIOL 250, CHEM 120; co-requisite, BIOL 495L.

495L Plant Physiology Lab (1) Requisites: co-requisite, BIOL 495.

Biology

Undergraduate/Graduate Credit

607 Topics in Biology + (1-3) Specific topics in biology. Requisites: PERM.

610 Taxonomy of Flowering Plants # (3) Primarily the classification, identification, and nomenclature of flowering plants. Some ferns and conifers are also studied. Field trips. Requisites: PR, BIOL 250; co-requisite, BIOL 610L.

610L Taxonomy of Flowering Plants Laboratory (1) Primarily the classification, identification, and nomenclature of flowering plants. Some ferns and conifers are also studied. Field trips. Requisites: co-requisite, BIOL 610.

619 Aquatic Biology # (1) Collection, identification, and biology of freshwater algae, protozoa, insects, and other invertebrates. Aspects of wetlands delineations are discussed. Field trips. Requisites: PR, BIOL 250, BIOL 260; co-requisite, BIOL 619L.

619L Aquatic Biology Lab (2) Collection, identification, and biology of freshwater algae, protozoa, insects, and other invertebrates. Aspects of wetlands delineations are discussed. Field trips. Requisites: PR, BIOL 250, BIOL 260; co-requisite, BIOL 619.

620 Biostatistics (3) Statistical concepts with emphasis on measurement and interpretation of biological data and appropriate experimental designs. Requisites: PR, MATH 110, CR, BIOL 620L

620L Biostatistics Lab (1) Requisites: Co-requisite: BIOL 620.

621 Conservation Workshop (3) Conservation of natural resources, utilizing field trips, emphasizing resource speakers and materials, and their use in conservation education. Requisite: PR, BIOL 395.

627 Behavioral Ecology (3) Understanding animal behaviors in the context of ecological and evolutionary processes. Examples from various groups will address how animal social behavior and mating strategies reflect the environments in which they live. Requisites: PR, BIOL 395.

628 Ecological and Wildlife Techniques (3) Methods used in ecology and wildlife management. Requisites: PR, BIOL 260 and BIOL 395.

629 Agrostology (3) Classification, identification, and nomenclature of range and world grasses. Grass evolution and fossil grasses are also studied. Field trips. Requisite: PR, BIOL 250.

632 Dendrology (3) Classification, identification and nomenclature of trees, shrubs, and woody vines. Field trips. Requisites: PR, BIOL 250.

634 Rangeland Conservation Planning (3) Decision-making techniques currently used in range management.

636 Ecological and Range Techniques (3) Theory of sampling in plant ecology and range management. Techniques of measuring forage production, forage utilization, and habitat factors. Requisites: PR, BIOL 395.

637 Rangeland Condition and Manipulation (3) A review of all methods of range ecosystem evaluation in different types of the U.S. and world. Requisites: PR, BIOL 695.

638 Range Plants (3) Identification, nutritive value, and ecology of range plants, both forage producers and poisonous species. Requisites: PR, BIOL 610 or PERM.

638L Rangeland Plant Identification Lab (1) Concurrent laboratory experience for students enrolled in Range Plants. Topics studied will include rangeland plant characteristics and identification. Requisites: BIOL 610 or permission and co-requisite of BIOL 638.

639 Field Course in Range Management (2) An intensified course covering the principles and current trends in range management.

642 Parasitology # (3) Biology, pathology, and prophylaxis of the principal internal parasites of animals and man. Requisites: PR, BIOL 260; co-requisite, BIOL 642L.

642L Parasitology Lab (1) Requisites: co-requisite, BIOL 642.

643 Entomology # (3) Insects, stressing morphology and identification. Collection is required. Requisites: PR, BIOL 260; co-requisite, BIOL 643L.

643L Entomology Lab (1) Requisites: co-requisite, BIOL 643.

644 Embryology # (3) Principles of vertebrate development with emphasis on mammalian embryogeny. Laboratory study of selected vertebrate embryos. Requisites: PR, BIOL 260, CL, BIOL 644L.

644L Embryology Lab (1) Requisites: co-requisite, BIOL 644.

645 Histology (3) Structure and identification of normal vertebrate tissue. Requisites: PR, BIOL 260.

646 Invertebrate Zoology # (2) Local invertebrate fauna with emphasis on collection, classification, and biologies. Requisites: PR, BIOL 260; co-requisite, BIOL 646L.

646L Invertebrate Zoology Laboratory (1) Requisites: co-requisite, BIOL 646.

648 Immunology # (3) Nature and mechanisms of natural and acquired resistance, production of antibodies, antigens, and serological reactions. Requisites: CR, BIOL 648L.

648L Immunology Lab (2) Requisites: co-requisite, BIOL 648.

650 Ornithology # (3) Anatomy, behavior, ecology, evolution and physiology of birds. Requisites: PR, BIOL 260 or PERM; lab co-requisite, BIOL650L.

650L Ornithology Lab (1) Field trips and identification of Kansas birds. Requisites: co-requisite,
BIOL 650.

651 Mammalogy # (3) Systematic, natural history, and biogeography of mammals. Field trips and identification. Requisites: PR, BIOL 260; co-requisite, BIOL 651L.

651L Mammalogy Lab (1) Requisites: co-requisite, BIOL 651.

654 Principles of Systematic Biology (3) Principles involved in ordering and classifying the diversity of organisms. Requisites: PR, BIOL 250, BIOL 260.

657 Limnology # (3) Biological, physical, and chemical attributes of lakes and streams. Requisites: PR, BIOL 260, CR, BIOL 657L.

657L Limnology Laboratory (1) Requisites: co-requisite, BIOL 657.

660 Herpetology (3) Reptiles and amphibians with emphasis on taxonomy, distribution, evolution, and ecology. Requisites: PR, BIOL 260, CL, BIOL 660L.

660L Herpetology Laboratory (1) Requisites: CL, 660L.

665 Biodiversity and Conservation Biology (3) A study of the generation, distribution, and conservation of biological diversity. Requisites: PR, BIOL 395.

670 Ecological Applications (3) The application of the principles of landscape ecology, geographical information systems, and spatial analysis to biological systems and research. Requisites: PR, BIOL 395, CL, BIOL 670L.

670L Ecological Applications Lab (1) Requisites: CR,
BIOL 670.

672 Statistical Applications (3) The application of statistical techniques and models to biological research. Requisites: PR, BIOL 620, CL, BIOL 672L.

672L Statistical Applications Lab (1) To be taken with Statistical Applications course regarding the application of statistical techniques and models to biological research.
Requisite: PR, BIOL 672.

673 Ichthyology # (3) Fishes with emphasis on physiology, taxonomy, distribution, evolution, and ecology. Requisites: PR, BIOL 260; co-requisite, BIOL 673L.

673L Ichthyology Lab (1) Requisites: co-requisite, BIOL 673.

675 Microbiology of the Pathogens # (3) Host-parasite relationships in microbial diseases of humans and animals. Basic techniques of isolation, identification, and diagnosis. Requisites: PR, BIOL 240 or BIOL 490.

675L Microbiology of the Pathogens Laboratory (2)

680 Biogeography (3) Theories and principles concerning distribution of plant and animal taxa and communities, past and present. Requisites: PR, BIOL 395.

695 Range Management (3) Range plants, ecosystem structure and function, ecosystem change, range evaluation, and ecosystem manipulation and planning. Requisite: PR, BIOL 180;
CL, BIOL 695L

695L Rangeland Management Techniques (1) Current laboratory experience for students enrolled in Range Management. Topics studied will include range plants, rangeland monitoring and quantification techniques. Requisites: CR, BIOL 695.

697 Wildlife Management (3) Wildlife management concepts, practical aspects of wildlife, and natural resource conservation. Requisites: PR, BIOL 260, BIOL 395.

697L Wildlife Management Techniques (1) The study of wildlife management techniques and hands-on experiences with issues in wildlife management. Requisites: CR, BIOL 697.

699 Fisheries Management (3) An introduction to techniques and principles of inland fisheries management.
Requisites: BIOL 260.

Biology

Graduate Credit
***All Graduate courses have a requisite of Graduate Standing.**

607G Topics in Biology + (1-3) Specific topics in biology.
Requisites: PERM.

610G Taxonomy of Flowering Plants # (3) Primarily the classification, identification, and nomenclature of flowering plants. Some ferns and conifers are also studied. Field trips.

610LG Taxonomy of Flowering Plants Laboratory (1)
Primarily the classification, identification, and nomenclature of flowering plants. Some ferns and conifers are also studied.
Field trips.

619G Aquatic Biology # (1) Collection, identification, and biology of freshwater algae, protozoa, insects, and other invertebrates. Aspects of wetlands delineations are discussed. Field trips. Requisites: CL, BIOL 619LG.

619LG Aquatic Biology Lab (2) Collection, identification, and biology of freshwater algae, protozoa, insects, and other invertebrates. Aspects of wetlands delineations are discussed. Field trips. Requisites: CR, BIOL 619G.

620G Biostatistics (3) Statistical concepts with emphasis on measurement and interpretation of biological data and appropriate experimental designs. Requisites: CR, BIOL 620LG

620LG Biostatistics Lab (1) Requisites: CR, BIOL 620G.

621G Conservation Workshop (3) Conservation of natural resources, utilizing field trips, emphasizing resource speakers and materials, and their use in conservation education.

627G Behavioral Ecology (3) Understanding animal behaviors in the context of ecological and evolutionary processes. Examples from various groups will address how animal social behavior and mating strategies reflect the environments in which they live.

628G Ecological and Wildlife Techniques (3) Methods used in ecology and wildlife management.

629G Agrostology (3) Classification, identification, and nomenclature of range and world grasses. Grass evolution and fossil grasses are also studied. Field trips.

632G Dendrology (3) Classification, identification and nomenclature of trees, shrubs, and woody vines. Field trips.

634G Rangeland Conservation Planning (3) Decision-making techniques currently used in range management.

636G Ecological and Range Techniques (3)
Theory of sampling in plant ecology and range management. Techniques of measuring forage production, forage utilization, and habitat factors.

637G Rangeland Condition and Manipulation (3) A review of all methods of range ecosystem evaluation in different types of the U.S. and world.

638G Range Plants (3) Identification, nutritive value, and ecology of range plants, both forage producers and poisonous species. Requisite: CL, BIOL 638LG.

638LG Rangeland Plant Identification Lab (1)
Concurrent laboratory experience for students enrolled in Range Plants. Topics studied will include rangeland plant characteristics and identification. Requisites: CR, BIOL 638G.

639G Field Course in Range Management (2) An intensified course covering the principles and current trends in range management.

642G Parasitology # (3) Biology, pathology, and prophylaxis of the principal internal parasites of animals and man.
Requisite: CL, BIOL 642LG.

642LG Parasitology Lab (1) Requisites: CR, BIOL 642G.

643G Entomology # (3) Insects, stressing morphology and identification. Collection is required. Requisites: CR, BIOL 643LG.

643L Entomology Lab (1) Requisites: CR, BIOL 643G.

644G Embryology # (3) Principles of vertebrate development with emphasis on mammalian embryogeny. Laboratory study of selected vertebrate embryos. Requisites: CL, BIOL 644LG.

644LG Embryology Lab (1) Requisites: CR, BIOL 644G.

645G Histology (3) Structure and identification of normal vertebrate tissue. .

646G Invertebrate Zoology # (2) Local invertebrate fauna with emphasis on collection, classification, and biologies. Requisites: CL, BIOL 646LG.

646LG Invertebrate Zoology Laboratory (1)
Requisites: CR, BIOL 646G.

648G Immunology # (3) Nature and mechanisms of natural and acquired resistance, production of antibodies, antigens, and serological reactions. Requisites: CR, BIOL 648LG.

648LG Immunology Lab (2) Requisites: CR, BIOL 648G.

650G Ornithology # (3) Anatomy, behavior, ecology, evolution and physiology of birds. Requisites: CL, BIOL650L.

650LG Ornithology Lab (1) Field trips and identification of Kansas birds. Requisites: CR, BIOL 650G.

651G Mammalogy # (3) Systematic, natural history, and biogeography of mammals. Field trips and identification.
Requisites: CR, BIOL 651LG.

651LG Mammalogy Lab (1) Requisites: CR, BIOL 651G.

654G Principles of Systematic Biology (3) Principles involved in ordering and classifying the diversity of organisms.

657G Limnology # (3) Biological, physical, and chemical attributes of lakes and streams. Requisites: CR, BIOL 657LG.

657LG Limnology Laboratory (1) Requisites: CR, BIOL 657G.

660G Herpetology (3) Reptiles and amphibians with emphasis on taxonomy, distribution, evolution, and ecology.
Requisites: CL, BIOL 660LG.

660LG Herpetology Laboratory (1) Requisites: CR, 660G.

665G Biodiversity and Conservation Biology (3) A study of the generation, distribution, and conservation of biological diversity.

670G Ecological Applications (3) The application of the principles of landscape ecology, geographical information systems, and spatial analysis to biological systems and research. Requisites: CL, BIOL 670GL.

670LG Ecological Applications Lab (1)
Requisites: CR, BIOL 670G.

672G Statistical Applications (3) The application of statistical techniques and models to biological research.
Requisites: PR, BIOL 620, CL, BIOL 672LG.

672LG Statistical Applications Lab (1) To be taken with Statistical Applications course regarding the application of statistical techniques and models to biological research.
Requisite: CR, BIOL 672G.

673G Ichthyology # (3) Fishes with emphasis on physiology, taxonomy, distribution, evolution, and ecology.
Requisites: CL, BIOL 673LG.

673LG Ichthyology Lab (1) Requisites: CR, BIOL 673G.

675G Microbiology of the Pathogens # (3)
Host-parasite relationships in microbial diseases of humans and animals. Basic techniques of isolation, identification, and diagnosis.

675LG Microbiology of the Pathogens Laboratory (2)

680G Biogeography (3) Theories and principles concerning distribution of plant and animal taxa and communities, past and present. Requisites: PR, BIOL 395.

695G Range Management (3) Range plants, ecosystem structure and function, ecosystem change, range evaluation, and ecosystem manipulation and planning. Requisite: CL, BIOL 695LG.

695LG Rangeland Management Techniques (1) Current laboratory experience for students enrolled in Range Management. Topics studied will include range plants, rangeland monitoring and quantification techniques. Requisites: CR, BIOL 695G.

697G Wildlife Management (3) Wildlife management concepts, practical aspects of wildlife, and natural resource conservation. Requisites: CL, BIOL, 697LG.

697LG Wildlife Management Techniques (1) The study of wildlife management techniques and hands-on experiences with issues in wildlife management. Requisites: CR, BIOL 697G

699G Fisheries Management (3) An introduction to techniques and principles of inland fisheries management.

805 Professional Scientific Communication (3) Graduate student professional development with an emphasis on written and oral communication.

807 Graduate Topics in Biology + (1-3) Specific topics in biology. Requisites: PERM.

820 Biogeography (3) Theories and principles concerning distribution of plant and animal taxa and communities, past and present. Requisites: PERM.

825 Biological Scientific Writing (2) Techniques and methods of conducting scientific research, writing scientific papers, and succeeding as a professional biologist.

827 Biological Scientific Presentations (1) In this course, students will learn to present scientific research. The course emphasizes the oral and visual aspects of presenting research.

830 Ecological Field Study and Problem + (2-8) A field trip to selected localities to enable students to obtain an integrated understanding of several biotic regions. Requisites: PERM.

852 Animal Physiology (2) An in-depth inquiry into the physiological bases for adaptation. Requisites: CL, BIOL 852L.

852L Animal Physiology Lab (1) Requisites: CR, BIOL 852.

855 Graduate Seminar in Biology + (1) Discussion concerning concepts of biology. Requisites: PERM.

860 Multivariate Statistics in Biology (3) The application of multivariate statistical techniques to biological research.
Requisites: PR, BIOL 620 or PERM.

860L Multivariate Lab (1) Requisites: co-requisite, BIOL 860.

870 Graduate Problems in Biology + (1-5) Individual study of a non-research problem. Requisites,: PR, PERM

876 Graduate Apprenticeship in Biology + (1-3) Course is designed to provide practical experience in teaching in biology. Requisites: PR, PERM.

882 Graduate Readings in Biology + (1-3) Readings and written reports on special topics in biology. Requisites: PR, PERM.

892 Research in Biology + (1-4) Investigations of a biological problem. Requisites: PR, PERM.

893 Research in Botany + (1-4) Experimental problem. Data is gathered, analyzed, and written in thesis or publication form.
Requisites: PR, PERM.

895 Research in Zoology + (1-4) Investigation of a zoological problem, usually to provide material for a master's thesis.
Requisites: PERM.

899B Thesis in Biology + (1-6) Requisites: PERM.

899T Thesis in Botany + (2-6) Requisites: PERM.

899Z Thesis in Zoology + (2-6) Requisites: PERM.

* General Education course
\+ Course may be repeated
\# Lab required
PERM: Permission
PR: Pre-requisite

Department of Chemistry

For updated information, see our website at **www.fhsu.edu/chemistry/**.

Chemistry is an experimental science. Preparation for a career in chemistry requires extensive laboratory experience as well as classroom work. Students who plan for a career in the sciences by taking mathematics and science courses in high school find chemistry particularly rewarding. As a central science, chemistry is applicable to other scientific areas. Therefore, many students choose a chemistry major as preparation for interdisciplinary careers such as environmental science, medicine, forensic chemistry, and toxicology. Graduate study is a frequent choice of chemistry graduates.

Department of Chemistry Faculty & Staff

Chair: Arvin Cruz

Professors:

Associate Professors: Arvin Cruz, James Balthazor, Loretta Dorn

Assistant Professors: Bruce Atwater, Krisztina Bencze, Ajda Kahveci, Edwin Olmstead, Masakatsu Watanabe

Instructors: Steve Reed

Department Staff: Anne Basgall, *Administrative Assistant*

Adjunct Faculty: Dean Stramel

See department page online for full listing

Undergraduate Degrees

Bachelor of Arts: Chemistry

Bachelor of Arts: Chemistry (Teacher Education)

Bachelor of Science: Chemistry

Bachelor of Science: Chemistry (Biochemistry)

Bachelor of Science: Chemistry (Forensic Science)

Bachelor of Science: General Science (Chemistry)

Graduate Degrees

Master of Professional Studies: Chemistry

Minors

Minor in Chemistry

Bachelor of Arts: Chemistry

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 234 Analytical Geometry and Calculus I	3
MATH 331 Calculus Methods	3
PHYS 111/111L Physics I / Lab	5
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Chemistry Core

A total of 32 hours from…

Code	Course Title	Hours
CHEM 101	Orientation to Chemistry	1
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 430/430L	Survey of Physical Chemistry / Lab	5
CHEM 675	Seminar in Chemistry	1

Cognates

Choose 5 hours from the following:

Code	Course Title	Hours
PHYS 112/112L	Physics / Lab	5

Chemistry Electives

Choose 5 hours from the following:

Course Title	Hours
Chemistry Electives	5

Free Electives

Choose 18 hours from the following:

Course Title	Hours
Free Electives	18

Totals

A total of 124 credits from...

University Requirements	65
Department Requirements	59
Total	**124**

This program is suitable for a student preparing for a career as a chemical librarian, chemical salesperson, medical doctor, pharmaceutical salesperson, or secondary teacher. The B.A. candidate should supplement the major with substantial courses in other subject areas. These courses should be chosen to enhance the student's career preparation. For example, students planning to enter the medical professions should include biology, mathematics, and physics courses in their program.

Bachelor of Arts: Chemistry (Teacher Education)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 234 Analytical Geometry and Calculus I	3
MATH 331 Calculus Methods	3
PHYS 111/111L Physics I / Lab	5
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Chemistry Core

A total of 37 hours from…

Code	Course Title	Hours
CHEM 101	Orientation to Chemistry	1
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 430/430L	Survey of Physical Chemistry / Lab	5
CHEM 476	Apprenticeship in Chemistry	3
CHEM 480	Laboratory Teaching Techniques	2
CHEM 675	Seminar in Chemistry	1

The B.A. degree may serve as preparation for secondary school teaching. A student must complete CHEM 120,122, 350, 304 (or 340 and 342), 277, 476 and 480 to satisfy the subject matter and methods requirements for entering the Student Teaching Program in Chemistry. Students seeking a B.A. degree in chemistry must select the CHEM 340 and 342 option. Students planning to teach chemistry as a second field may select the minimal sequence with CHEM 304. All students must have credit in appropriate biology, geosciences, mathematics, and physics cognate courses to meet certification requirements in chemistry.

Cognates

A total of 16 hours from the following:

Code	Course Title	Hours
PHYS 112/112L	Physics / Lab	5
PHYS 309	Descriptive Astronomy	3
BIOL 180/180L	Principles of Biology / Lab	4
GSCI 100	Introduction to Geology	3
GSCI 102	Introduction to Geology Lab	1

Teacher Education Core

A total of 29 hours from the following:

Code	Course Title	Hours
CHEM 277	Early Field Experience: Physical Science	1
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth and Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	4
TESS 496	Student Teaching Secondary	12

Totals

A total of 148 credits from...

University Requirements	66
Department Requirements	82
Total	**148**

Bachelor of Science: Chemistry

University Degree Requirements

A total of 52 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 234 Analytical Geometry	3
PHYS 111/111L Physics I / Lab	5
Electives	2
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Chemistry Core

A total of 50 hours from…

Code	Course Title	Hours
CHEM 101	Orientation to Chemistry	1
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 632/632L	Physical Chemistry I / Lab	5
CHEM 634	Physical Chemistry II	3
CHEM 634L	Advanced Physical & Inorganic Lab	2
CHEM 656	Instrumental Analysis	3
CHEM 656L	Advanced Instrumental… Lab	2
CHEM 662/662L	Biochemistry I / Lab	5
CHEM 666	Inorganic Chemistry	3
CHEM 675	Seminar in Chemistry	1

Students interested in a career as a professional scientist or seeking graduate study in chemistry or biochemistry should enroll in the Bachelor of Science program. The degree program can be customized to meet the specific interests of each student through consultation with the student's advisor. Specialized degree tracks are available for students with specific interests in biochemistry, environmental science, and forensic science. See BS Degree Options section below for additional details.

Cognates

A total of 13 hours from the following:

Code	Course Title	Hours
MATH 235	Analytic Geometry & Calculus II	5
MATH 236	Analytic Geometry & Calculus III	3
PHYS 212/212L	Physics for Scientists & Engineers II	5

Electives

Choose 3 hours from the following:

Code	Course Title	Hours
CHEM 352/352L	Environmental Chemistry / Lab	5
CHEM 382	Introduction to Forensic Science	3
CHEM 644/644L	Organic Analysis / Lab	3
CHEM 646	Theories of Organic Chemistry	3
CHEM 664/664L	Biochemistry II / Lab	6

Totals

A total of 124 credits from...

University Requirements	52
Department Requirements	72
Total	**124**

Bachelor of Science: Chemistry (Biochemistry)

University Degree Requirements

A total of 52 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 234 Analytical Geometry	5
PHYS 111/111L Physics I / Lab	5
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Chemistry Core

A total of 50 hours from…

Code	Course Title	Hours
CHEM 101	Orientation to Chemistry	1
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 632/632L	Physical Chemistry I / Lab	5
CHEM 634	Physical Chemistry II	3
CHEM 634L	Advanced Physical & Inorganic Lab	2
CHEM 656	Instrumental Analysis	3
CHEM 656L	Advanced Instrumental… Lab	2
CHEM 662/662L	Biochemistry I / Lab	5
CHEM 666	Inorganic Chemistry	3
CHEM 675	Seminar in Chemistry	1

Biochemistry Core

A total of 5 hours from the following:

Code	Course Title	Hours
CHEM 664/664L	Biochemistry II / Lab	5

Cognates

A total of 13 hours from the following:

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
MATH 235	Analytic Geometry and Calculus II	5
PHYS 212/212L	Physics for Scientists & Engineers II	5

Electives

Choose 8 hours from the following:

Code	Course Title	Hours
BIOL 325/325L	Genetics / Lab	4
BIOL 435/435L	Cellular Biology / Lab	4
BIOL 490/490L	General Microbiology / Lab	5
BIOL 648/648L	Immunology / Lab	5

Totals

A total of 129 credits from...

University Requirements	52
Department Requirements	77
Total	**129**

Bachelor of Science: Chemistry (Forensic Science)

University Degree Requirements

A total of 52 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 234 Analytical Geometry	5
PHYS 111/111L Physics I / Lab	5
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Chemistry Core

A total of 50 hours from…

Code	Course Title	Hours
CHEM 101	Orientation to Chemistry	1
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5
CHEM 340/340L	Organic Chemistry I / Lab	5
CHEM 342/342L	Organic Chemistry II / Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 632/632L	Physical Chemistry I / Lab	5
CHEM 634	Physical Chemistry II	3
CHEM 634L	Advanced Physical & Inorganic Lab	2
CHEM 656	Instrumental Analysis	3
CHEM 656L	Advanced Instrumental… Lab	2
CHEM 662/662L	Biochemistry I / Lab	5
CHEM 666	Inorganic Chemistry	3
CHEM 675	Seminar in Chemistry	1

Forensic Science Core

A total of 3 hours from the following:

Code	Course Title	Hours
CHEM 382	Introduction to Forensic Science	3

Cognates

A total of 13 hours from the following:

Code	Course Title	Hours
BIOL 325/325L	Genetics / Lab	4
BIOL 435/435L	Cellular Biology / Lab	4
BIOL 490/490L	General Microbiology / Lab	5
PHYS 212/212L	Physics for Scientists & Engineers II	5
JUS 250	Administration of Justice Systems	3
JUS 331	Criminal Law and Procedure	3

Totals

A total of 129 credits from...

University Requirements	52
Department Requirements	77
Total	**129**

Bachelor of Science: General Science (Chemistry)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

General Science Core

A total of 18 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
CHEM 120/120L	University Chemistry I / Lab	5

Choose 4 hours from the following:

Code	Course Title	Hours
GSCI 100	Introduction to Geology	3
GSCI 101	Elements of Physical Geology	3
GSCI 102	Introduction to Geology Laboratory	1
GSCI 200	Physical Geology	3
GSCI 200L	Physical Geology Laboratory	2
GSCI 275	Climate Change: Science and Impacts	3

Choose 5 hours from the following:

Code	Course Title	Hours
PHYS 111	Physics I	4
PHYS 111L	Physics I Laboratory	1
PHYS 211	Physics for Scientists and Engineers I	4
PHYS 211L	Physics for Scientists and Engineers I / Lab	1

General Science Core

Choose 15 hours from the following...

Code	Course Title	Hours
CHEM 112/112L	University Chemistry II / Lab	5
CHEM 304/304L	Essentials of Organic Chemistry/Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 360/360L	Essentials of Biochemistry / Lab	5
CHEM 430/430L	Survey of Physical Chemistry / Lab	5

Free Electives

A total of 32 hours

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Minor in Chemistry

A minor in chemistry will strengthen many degree programs. This is especially true for students majoring in biology, geosciences, education, mathematics, or physics. The minor allows a wide selection of courses. Students should select the courses that complement their major.

Required courses for minor - 10 hours

Code	Course Title	Credits
CHEM 120/120L	University Chemistry I / Lab	5
CHEM 122/122L	University Chemistry II / Lab	5

Electives - select 10 hours from the following:

Code	Course Title	Credits
CHEM 284	Selected studies in Chemistry	1
CHEM 304/304L	Essentials of Organic Chemistry/Lab	5
CHEM 350/350L	Chemical Analysis / Lab	5
CHEM 352/352L	Environmental Chemistry / Lab	5
CHEM 360/360L	Essentials of Biochemistry / Lab	5
CHEM 430/430L	Survey of Physical Chemistry / Lab	5
CHEM 476	Apprenticeship in Chemistry	1
CHEM 480	Laboratory Teaching Techniques	1

Master of Professional Studies: Chemistry

Core Curriculum

A total of 9 hours from…

Code	Course Title	Hours
CHEM 801	Intro to Graduate Studies in Chemistry	3
CHEM 815	Research Methods in Chemistry	3
PHYS 620	Mathematical Methods in Physical Science	3

Cognates or Free Electives

A total of 6-9 hours from…

Course Title	Hours
All courses must be approved by the student's advisor	6-9

Project

A total of 3 hours from…

Code	Course Title	Hour
CHEM 890	Research Project	3

Chemistry Major Curriculum

Choose 9-12 hours from the following…

Code	Course Title	Hour
CHEM 624	Advanced Laboratory Techniques	3
CHEM 632/632L	Physical Chemistry / Lab	5
CHEM 634/634L	Physical Chemistry II / Lab	5
CHEM 636	Chemical Thermodynamics	3
CHEM 644/644L	Organic Analysis / Lab	3
CHEM 646	Theories of Organic Chemistry	3
CHEM 656/656L	Instrumental Analysis / Lab	5
CHEM 662/662L	Biochemistry I / Lab	5
CHEM 664/664L	Biochemistry II / Lab	5
CHEM 666	Inorganic Chemistry	3
CHEM 670	Workshop in Chemistry	1-3
CHEM 672	Readings in Chemistry	1-3
CHEM 673	Problems in Chemistry	2-4
CHEM 675	Seminar in Chemistry	1
CHEM 682	Special Topics in Chemistry	1-3
CHEM 888	Advanced Topics in Chemistry	3

Course Listing - Department of Chemistry

Undergraduate Credit

014 Basic Chemistry (3) A beginning chemistry course for students who need an introduction to chemistry before enrolling in CHEM 112 or CHEM 120. Students completing this course will have three credit hours added to the minimum degree requirements.

100 The Chemist's View of the World* (3) An introduction to the major concepts of scientific thought as exemplified by the discipline of chemistry. Concepts include the scientific method of inquiry, the structure of matter, and the major natural laws with application to current issues. The course utilizes an approach of quantitative reasoning that requires a minimum of mathematical skill. A student receiving credit for graduation in this course may not also receive credit toward graduation in CHEM 112 or CHEM 120.

101 Orientation to Chemistry (1) Entering chemistry majors are introduced to the career options that are available to the chemistry graduate through field trips, presentations, and readings. Discussions will also include university and departmental requirements and resources as well as techniques for becoming a successful chemistry student.

105 Introduction to the Chemistry Laboratory* (1) An introductory laboratory course designed to accompany CHEM 100. This laboratory course is designed to provide a series of experiences with the tools and methods of chemistry corresponding to topics presented in CHEM 100. Activities include experimental design, data collection, data presentation, data reduction, and the drawing of conclusions. One three-hour meeting per week. May be taken concurrent with or after the completion of CHEM 100. Not acceptable for a science major. A student receiving credit for graduation in this course may not also receive credit toward graduation in CHEM 112L or CHEM 120L. Requisites: PR or co-requisite, CHEM 100.

112 General Chemistry I* # (2) A survey of the principles of inorganic chemistry with strong emphasis on those fundamentals of chemistry which are essential to the understanding of organic and biological chemistry. For students who need a broad introduction to the field of inorganic chemistry. Not for science majors. A student receiving credit for graduation in this course may not receive credit toward graduation in CHEM 100 or CHEM 120. Requisites: PR, high school algebra or MATH 010; co-requisite, CHEM 112L.

112L General Chemistry Laboratory I* (1) Meets two hours per week. Requisites: co-requisite, CHEM 112.

114 General Chemistry II* # (2) A survey of the principles of organic and biological chemistry for students who need a broad introduction to these fields. Not for science majors. Two recitations per week. Requisites: PR, CHEM 112; co-requisite, CHEM 114L.

114L General Chemistry Laboratory II* (1) Meets two hours per week. Requisites: co-requisite, CHEM 114.

120 University Chemistry I # (3) Fundamental principles of chemistry for majors in chemistry, biology, and geology. Also for pre-engineering, pre-veterinary, pre-pharmacy, and pre-medical science students. A student receiving credit for graduation in this course may not also receive credit toward graduation in CHEM 100 or CHEM 112. Requisites: PR, high school chemistry or CHEM 112; a grade of B or better in high school trigonometry, high school precalculus, high school calculus, or college algebra; co -requisite, CHEM 120L.

120L University Chemistry Laboratory I (2) Meets four hours per week. Includes problem session. Requisites: co-requisite, CHEM 120.

122 University Chemistry II # (3) A continuation of CHEM 120 in study of principles of chemistry. Three recitations per week. Requisites: PR, CHEM 120; co-requisite, CHEM 122L.

122L University Chemistry Laboratory II (2) Meets four hours per week. Includes problem session. Requisites: co-requisite, CHEM 122.

277 Early Field Experience: Physical Science Education (1) This course has been designed to provide physical science education majors with observational and participatory experiences in their area of specialization. Students will be placed in a school situation so that they may be introduced to the classroom environment and teaching experience. Pass/No Credit.

284 Selected Studies in Chemistry + (1-3) Chemistry subject matter not covered in regular course offerings, may be specifically in chemistry or interdisciplinary. The name of the selected study will be shown on the student's record. A topic may involve class, lab, or library assignments. Requisites: PERM.

304 Essentials of Organic Chemistry # (3) A survey of organic chemistry. Adapted to needs of students of agriculture and veterinary medicine. Not for majors. Three recitations per week. Requisites: PR, CHEM 122 or above- average grades in CHEM 112 and CHEM 114; co-requisite, CHEM 304L.

304L Essentials of Organic Chemistry Laboratory (2) Meets four hours per week. Includes problem session. Requisites: co-requisite, CHEM 304.

340 Organic Chemistry I # (3) The first of a two-semester sequence of a thorough study of organic chemistry. For majors in chemistry, biology, and medical science. Three recitations per week. Requisites: PR, CHEM 122; co-requisite, CHEM 340L.

340L Organic Chemistry Laboratory I (2) Meets five hours per week. Includes problem session. Requisites: co-requisite, CHEM 340.

342 Organic Chemistry II # (3) A continuation of CHEM 340 with emphasis on organic synthesis and applications of principles. Three recitations per week. Requisites: PR, CHEM 340; co-requisite, CHEM 342L.

342L Organic Chemistry Laboratory II (2) Meets five hours per week. Includes problem session. Requisites: co-requisite, CHEM 342.

350 Chemical Analysis # (3) Principles and practice of volumetric and gravimetric analysis. Modern methods of instrumentation are introduced. Three recitations per week. Requisites: PR, CHEM 122; co-requisite, CHEM 350L.

350L Chemical Analysis Laboratory (2) Requisites: co-requisite, CHEM 350.

352 Environmental Chemistry # (3) The principles of chemistry and related sciences are applied to the study of natural systems. Major processes occurring in the atmosphere, hydrosphere, biosphere, and lithosphere are described. The effect of sources, sinks, impact, and control of pollutants in each of these systems is discussed. Requisites: PR, CHEM 350 and CHEM 304 or CHEM 340; co-requisite, CHEM 352L.

352L Environmental Chemistry Laboratory (2) The laboratory to accompany CHEM 352. Laboratory experiments include both wet and instrumental methods of environmental analysis. Established protocols and procedures are emphasized. Meets four hours per week. Includes problem session. Requisites: PR, CHEM 350 and CHEM 304 or CHEM 340; co-requisite, CHEM 352.

360 Essentials of Biochemistry # (3) A study of carbohydrates, lipids, and proteins: their digestion, absorption, and metabolism. Also includes vitamins, enzymes, biological oxidations, and the chemistry of tissues and body fluids. Three recitations per week. Requisites: PR, CHEM 304; CHEM 342 (may be a co-requisite); co-requisite, CHEM 360L.

360L Essentials of Biochemistry Laboratory (2) Meets four hours per week. Includes problem
session. Requisites: co-requisite, CHEM 360.

382 Introduction to Forensic Science (3) This course is an introduction to the application of standard scientific analytical procedures in the area of forensic science. It is designed for chemistry majors, pre-professional students (pre-medical, pre-pharmacy, pre-engineering, etc.) and those planning to enter the field of forensic science. Requisites: PR, CHEM 340; BIOL 180.

406 Introduction to Scientific Glassblowing (2) Lab study of materials and techniques of glass working. Lab glassware will be designed and constructed. Requisites: PERM.

408 Chemical Basis for Everyday Living (3) Fundamental principles of chemistry for the non-science student are presented and illustrated by the topics of radiation, food, drugs, pesticides, pollution, and energy.

430 Survey of Physical Chemistry # (3) Elementary physical chemistry for biological science and prospective teaching students. Includes states of matter, solution, thermodynamics, kinetics, elementary quantum chemistry, and spectroscopy. Three recitations per week. Requisites: PR, CHEM 122, MATH 331; co-requisite, CHEM 430L.

430L Survey of Physical Chemistry Laboratory (2) Meets four hours per week. Includes problem sessions. Requisites: co-requisite, CHEM 430.

476 Apprenticeship in Chemistry + (1-4) Course is designed to provide practical experience in teaching and administration in chemistry. Requisites: PR, PERM of department chair.

480 Laboratory Teaching Techniques (1-2) An introduction to the skills required in teaching physical and life science labs. Emphasis is on the methods of teaching, prevention of accidents, and legal aspects of laboratory instruction. Topics will include safe use, storage, and disposal of reagents; issues relating to electricity and radiation safety; and dealing with live animals and field trips. One recitation per week. An independent project is required for two hours of credit. Requisites: PERM.

Undergraduate/Graduate Credit

624 Advanced Laboratory Techniques (3) Typical inorganic and organic compounds are prepared and characterized. A wide variety of preparative techniques will be discussed and utilized. One recitation and six hours of lab per week. Requisites: PERM.

632 Physical Chemistry I # (3) A rigorous treatment of states of matter, thermodynamics, equilibrium, and electrochemistry. Three recitations per week. Requisites: PR, CHEM 350, MATH 235 (may be a co-requisite), PHYS 212; co-requisite, CHEM 632L.

632L Physical Chemistry Laboratory I (2) Meets four hours per week. Includes problem session. Requisites: co-requisite, CHEM 632.

634 Physical Chemistry II # (3) A study of atomic and molecular structure, kinetics, and quantum chemistry. Three recitations per week. Requisites: PR, CHEM 632 or PERM; co-requisite, CHEM 634L.

634L Advanced Physical and Inorganic Laboratory (2) Integrated laboratory combining inorganic synthesis with physical chemistry techniques to study inorganic compounds. Requisites: co-requisites, CHEM 634, CHEM 666.

636 Chemical Thermodynamics (3) General and mathematical treatment is made of the three laws of thermodynamics with applications to chemical systems. Requisites: PR, CHEM 632.

644 Organic Analysis # (1) Principles and practice of systematic organic analysis. Major stress on qualitative organic analysis. Two recitations per week. Requisites: PR, CHEM 342; co-requisite, CHEM 644L.

644L Organic Analysis Laboratory (2) Meets six hours per week. Requisites: co-requisite, CHEM 644.

646 Theories of Organic Chemistry (3) Theories of chemical structure and mechanisms of organic reactions are studied. Three recitations per week. Requisites: PR, CHEM 342.

656 Instrumental Analysis # (3) Fundamentals and practice of analysis by means of instruments. Optical, spectrometric, electrometric, and chromatographic methods will be studied. Three recitations per week. Requisites: PR, CHEM 634; co-requisite, CHEM 656L.

656L Advanced Instrumental and Physical Laboratory (2) An integrated laboratory course combining instrumental methods of analysis with experimental physical chemistry principles. Requisites: co-requisite, CHEM 656.

662 Biochemistry I # (3) A study of the chemical and physical properties of biologically important molecules. Topics will include carbohydrates, lipids, proteins, nucleic acids, and enzymes. Three recitations per week. Requisites: PR, CHEM 342; co-requisite, CHEM 662L.

662L Biochemistry Laboratory I (2) Meets five hours per week. Includes problem session. Requisites: co-requisite, CHEM 662.

664 Biochemistry II # (3) A study of the metabolism of carbohydrates, lipids, proteins, and nucleic acids. Emphasis will be placed on the relationship between metabolism, the utilization of energy, and the synthesis of informational molecules. Three recitations per week. Requisites: PR, CHEM 662; co-requisite, CHEM 664L.

664L Biochemistry Laboratory II (2) Meets five hours per week. Includes problem session. Requisites: co-requisite, CHEM 664.

666 Inorganic Chemistry (3) A study of the theory and compounds of inorganic chemistry. Emphasis will be given to the structures, bonding, spectroscopy, and reactions of transition metal coordination complexes. Requisites: PR, CHEM 634 (may be a co-requisite); co-requisite: CHEM 634L.

670 Workshop in Chemistry + (1-3) Newer ideas of chemistry of special interest to teachers will be presented. Lab experience may be provided. Requisites: PERM.

672 Readings in Chemistry + (1-3) Selected materials from chemical literature. Special emphasis on written reports. Requisites: PERM.

673 Problems in Chemistry + (2-4) An individual investigation chosen by the student and carried out under supervision. Includes both library and lab work. Requisites: PERM.

675 Seminar in Chemistry + (1) Upper-class majors participate in presenting and discussing recent developments selected from the chemical literature.

682 Special Topics in Chemistry + (1-3) Special studies of current interest outside the regular courses are presented. The topics may be specifically in chemistry or interdisciplinary. The name of a specific topic will be shown on the student's record. A topic may involve class, lab, and library assignments. Requisites: PERM.

Graduate Credit

888 Advanced Topics of Chemistry + (3) Selected topics within analytical, inorganic, physical, organic, or biochemistry subdisciplines. Requisites: PERM.

890 Research Projects + (2-4) Research under staff supervision on projects selected by students and staff. Requisites: PERM.

*General Education course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Computer Science

Computer Science is a new department at Fort Hays State University that offers a bachelor of science degree in computer science (CS). The Fort Hays State University leadership team has seized the opportunity to bring the talented faculty from these programs together in a single department. The synergy created within this new department will create a unique and dynamic learning experience for students. Stay tuned for updates and additions.

CS and ISE are multidisciplinary area of studies that involve software, digital storage and retrieval, networks, human computer interaction, information security, digital design and electronic media. Graduates from both programs are prepared to work with complex information and computing systems and have the skills and knowledge necessary to advance steadily in their careers. Having a degree in CS or ISE will make you in high demand at various federal agencies and private companies. For example, you may choose to apply to work with one of the federal intelligence agencies under the Office of the Director of National Intelligence (ODNI), one of the federal National Laboratories in cutting edge research, one of the thousands of universities or at one of the Fortune 500 companies such as Google, Facebook, Boeing, Cisco, Intel, etc. Also other regional (Kansas) companies such as Cargill, Cerner and Koch Industries. The choice is yours, and we are here to help you!

Undergraduate Degrees

Bachelor of Science in Computer Science

Department of Computer Science Faculty & Staff

Chair: Keith Dreiling

Professors: Keith Dreiling, Hongbiao Zeng

Assistant Professors: Anas Hourani, Hussam Ghunaim, Hieu Vu

Department Staff: Beverly Unruh, *Office Manager*

See department page online for full listing

Bachelor of Science in Computer Science

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	12
INF 101 Intro to Computer Information Systems	3
MATH 110 College Algebra	3
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	
MATH 234 Analytic Geometry & Calculus I	5
MATH 250 Elements of Statistics	3
Electives	4
Social and Behavioral Sciences	
ECON 201 Principles of Economics: Micro	3
ECON 202 Principles of Economics: Macro	3
Elective	3
Upper-Division Integrative Course	3

Computer Science Core

A total of 36 hours from…

Code	Course Title	Hours
CSCI 111	Survey of Computer Science	3
CSCI 121	Computer Science I	3
CSCI 221	Computer Science II	3
CSCI 231	Object-Oriented Programming	3
CSCI 241	Foundations of Computing	3
CSCI 251	Data Structures	3
CSCI 321	Assembly Language	3
CSCI 331	Operating Systems	3
CSCI 421	Programming Languages	3
CSCI 431	Computer Graphics	3
CSCI 441	Software Engineering	3
CSCI 675	Seminar in Software Engineering	1-3

Math Cognates

A total of 3 hours from the following...

Code	Course Title	Hours
MATH 122	Trigonometry	3

Networking Cognates

A total of 12 hours from the following...

Code	Course Title	Hours
INF 250	Introduction to Web Development	3
INF 651	Advanced Web Development	3
INF 653	Web Scripting Language	3
INF 654	Intro to Web-Enabled Database: MYSQL	3

Free Electives

A total of 12 hours

Code	Course Title	Hours
	Free Electives	12

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	74
Total	**124**

Course Listing - Computer Science Department

Computer Science

Undergraduate Credit

160 Orientation to Computer Science (2) A survey into the field of computer science for possible career choices. Topics include computer organization, programming languages, artificial intelligence, and networking. Current technologies and future directions in computer science are examined in a lab setting. Guest speakers from industry and academia will present their view of computer science and how it has helped them in their careers.

163 Introduction to Computer Systems* (3) An introduction to computers and information systems, their history, operation, and potential use or misuse in diverse fields; includes an applications development system and common applications software.

261 Computer Science I (3) An introduction to computer programming in a high-level programming language. Topics include sequential, conditional, and iterative operations, indexed collections, procedural abstraction, and object-orientated programming. Requisites: PR, CSCI 160, MATH 110 or ACT mathematics percentile of at least 75.

262 FORTRAN Language (1) The structures and syntax of the FORTRAN programming language. Requisites: PR, CSCI 261 or equivalent.

345 Foundations of Computing (3) A study of the fundamental logical and mathematical concepts of Computer Science. Topics included are: logic, Algorithms, Recursive processes, Combinatorial analysis, Boolean Functions, complexity, Automata and Grammars. Requisites: PR, CSCI 261.

361 Computer Science II (3) Computer programming in a high-level programming language. Topics include advanced concepts of object-oriented programming, exception handling, collections, sorting, searching, elementary data structures, and recursion. Requisites: PR, CSCI 261 or equivalent.

362 PL/1 Language (1) The structures and syntax of the PL/1 programming language. Requisites: PR, CSCI 361.

363 Computer Operating Systems (3) Operating-system software and design, including device management, resource allocation, task scheduling and control, communications interfaces, user management, security, and current developments in the field. Extensive work in command and script languages for job control (e.g., DOS, VSE, VM, Windows). Requisites: PR, MIS 101.

365 Systems Architecture (3) Contemporary treatment of computer architecture using assembly language, the interface between hardware and software. Provides an overview of key hardware and software engineering issues. Requisites: PR, MIS 201 or CSCI 261.

369 Java Programming (3) In- depth study of object-oriented programming. Implementation of standard data structures using classes and methods. Applet design and transportation over the Internet, use of Java class libraries. This course will also provide a complete discussion of networking and multimedia capabilities of Java. Requisites: PR, CSCI 261 or permission.

461 Programming Languages (3) Principles of programming languages, including compilation and interpretation, syntax specification, and language selection; program development environments. Requisites: PR, MIS 201 or CSCI 261.

462 Using UNIX and C (3) This course is intended to provide a working knowledge of the UNIX operating system and the associated computing environment, including the C programming language. Requisites: PR, CSCI 261 and junior standing or PERM.

463 Data Structures and Algorithm Design (3) This course provides a rigorous introduction to the mathematical techniques for analysis of algorithms and data structures. Data structures such as lists, heaps, and graphs are implemented and examined for efficiency. Basic algorithm design strategies such as greedy, divide-and -conquer, dynamic programming, and backtracking will be introduced and applied to common problems in string matching, matrix operations, and graph theory. Requisites: PR, CSCI 261, CSCI 361, or PERM.

466 Software Engineering I (3) An introduction to software engineering concepts and terminology. This course presents a disciplined approach to development of large software systems. Current techniques in software requirement analysis, design methods, testing strategies, management, and quality assurance are studied. Students will work on a semester long project and are required to develop a fully functional, tested, and properly documented software system. Requisites: PR, CSCI 361 or PERM.

468 Software Engineering II (3) An in-depth study of software project design, software testing techniques, software metrics and user interface design. Emphasis will be an Object oriented design methodology, analysis and testing. This course discusses current research in the field of software engineering. Students are required to maintain and update an existing software system. Requisites: PR, CSCI 466.

Undergraduate/Graduate Credit

650 Interactive Systems Design (3) Interactive Systems Design presents ideas, theories and concepts in the field of Human Computer Interaction (HCI). More specifically, the constructs of HCI are analyzed in order to develop simpler and more efficiently designed multi/hypermedia artifacts. This course is not, however, centered around the computer as a focus of development. The faculty and students will look at the computer as a tool but with special emphasis on the human senses and how these are affected by the computer. By understanding the human role in HCI, more proficient learning and presentation strategies can be instilled in the student. The basic focus is centered on the human-being in a technology-influenced environment.

663 Introduction to Cryptography (3) This course considers the basic knowledge of cryptography, both traditional and modern. This knowledge is the basis for future studies on network security. Requisites: PR, CSCI 369; MATH 234.

664 Networks and Data Communications (3) Local and wide-area network systems, including hardware, software, and systems design considerations; configuration management and control. Requisites: PR, MIS 602.

667 Computer Programming PL/1 (3) A study of the constructs of the PL/1 programming language, with applications to practice problems. Requisites: PR, CSCI 361, MIS 301, or PERM.

673 Problems (1-4) Miscellaneous problems from or an investigation of some phase of undergraduate computer science possibly not treated in a regular course. Requisites: PERM

675 Seminar in Software Engineering + (1-3) Students prepare a paper on a software engineering or computer science topic and give an oral presentation to the seminar group. Requisites: PR, C or better in CSCI 361.

677 Internship (3) The student will perform meaningful, professionally related work. A job in the student's major must be obtained in advance and be approved by the advisor and the department chair prior to enrollment. See advisor for details. Requisites: PR, senior or graduate standing and PERM.

Information Systems Engineering

Undergraduate Credit

300 Foundations of Information Systems Engineering (3) This course introduces the student to the field of Information Systems Engineering by examining both the technologies that are important in assembling and distributing information, comparing them to human brain, and presenting soft skills that are necessary to succeed in the ISE field.

310 Random Signal Analysis (3) This course is an introduction to basic probability, random variables, random processes and related applications to the solutions of problems arising in the analysis of signals and systems.

320 Information Management (3) This course introduces students to different data models currently used to structure the logical view of the database (relational, hierarchical, and network), implementation techniques for database systems, file organization, query processing, concurrency control, rollback and recovery, integrity and consistency, and view implementation.

330 Signals and Systems (3) This course introduces students to time-domain response and convolution; frequency-domain response using Fourier series, Fourier transform, Laplace transform; discrete Fourier series and transform; sampling; z-transform; and relationships between time and frequency descriptions of discrete and continuous signals and systems.

400 Internship in Information Systems Engineering (3) Students are required to complete eight to twelve week of continuous training during the summer and normally at the end of the junior year. Special attention should be given to most but not necessarily all of the following areas of training: production, operation, maintenance, management and safety. A formal report describing the projects the student was involved in is to be submitted.

440 Communication Systems (3) This course introduces students to signal modulation techniques (amplitude, frequency, pulse, and pulse-code), narrow-band noise representation, signal-to-noise ratios for various modulation schemes, pulse shaping, timing recovery, carrier synchronization and equalization, sampling, quantization and coding.

450 Information Theory (3) This course introduces students to modeling of information sources and measure of information, joint and conditional entropy, source coding, rate distortion theory, modeling of communication channel and the Channel Capacity Theorem, scalar and vector quantization and coding of discrete information sources.

490 Capstone Seminar in Information Systems Engineering (3) Students will complete a variety of projects and written assignments designed to encourage self-analysis of career and intellectual interests in ISE. This information will be used to develop a detailed project proposal and complete a final capstone project. A written report will consist of research, reviews, and analysis targeted towards a specified audience and an oral presentation of the project is required.

Department of Geosciences

For updated information, see our website at www.fhsu.edu/geo/.

The Department of Geosciences offers a Bachelor of Science (B.S.) in Geosciences with an emphasis in either Geology or Geography. You can download a PDF of our undergraduate curriculum.

Geology is largely a field-oriented science that examines the Earth's history, processes and materials, and how these areas of examination impact our lives. Geologists examine, predict, and discover everything from ancient fossils and meteor impacts to current problems like pollution, energy availability, and urban development.

Geography is the study of where things are, and why things are where they are. Physical Geography is about patterns in the natural world, including the atmosphere, oceans, and solid land. Human Geography is about patterns of human cultural, political, and economic activity. Interested in city planning? Crime analysis? Economic Development? Bridging social and physical sciences, Geography is an exciting, interdisciplinary field.

A **Geographic Information System** (GIS) is a computer tool for manipulating and displaying spatial data (information about places and what can be found at those places). GIS can be used for making maps, but it can do much more, including asking questions about relationships between places and how places have changed.

Program Requirements
For either a Geology- or Geography-focused B.S. in Geosciences, you'll need to complete **Geoscience courses**, General Education **courses,** and **elective courses** (courses that may be inside or outside of Geosciences). Wondering what that might look like? Below, you will find some curriculum guides for some popular student interests. These guidelines are only suggestions. Once you select an area of emphasis, you will have some freedom to work with your adviser to tailor your curriculum to fit your interests.

Undergraduate Degrees

Bachelor of Science: Geosciences (Geology)

Bachelor of Science: Geosciences (Geography)

Bachelor of Arts: Environmental Geosciences

Graduate Degrees

Master of Science: Geosciences

Master of Liberal Studies: Geosciences

Minor / Certificate

Minor in Geosciences

Certificate in Geographic Information Systems

Certificate in Museum Studies

Department of Geosciences Faculty & Staff

Chair: Dr. Todd Moore
Professors: Dr. P. Grady Dixon, Dr. Richard Lisichenko
Associate Professors: Dr. Todd Moore, Dr. Hendratta Ali, Dr. Tom Schaffer, Dr. Laura Wilson
Assistant Professors: Dr. Henry Agbogun, Dr. Keith Bremer, Dr. Jonathan Sumrall
Instructors: Eamonn Coveney, Bill Heimann, Kara Kuntz, Jami Seirer, Dr. Jeanne Sumrall
Department Staff: Patricia Duffey, *Sr. Administrative Assistant*

See department page online for full listing

Bachelor of Science: Geosciences (Geology)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Geosciences Core

A total of 9 hours from…

Code	Course Title	Hours
GSCI 100	Introduction to Geology	3
GSCI 240	Introduction to GIS	3
GSCI 630	Geostatistics and Spatial Data Analysis ***OR***	
MATH 250	Elements of Statistics ***OR***	
BIOL 620	Biostatistics	3

Geology Core

A total of 27 hours from…

Code	Course Title	Hours
GSCI 102	Introduction to Geology Lab	1
GSCI 202	Historical Geology with Lab	5
GSCI 310	Mineralogy with Lab	4
GSCI 320	Petrology with Lab	4
GSCI 450	Structural Geology with Lab	4
GSCI 452	Field Methods	3
GSCI 454	Field Study in Geosciences	6

Cognates

Choose 8 hours (Other 10 count for General Ed)...

Code	Course Title	Hours
CHEM 120	University Chemistry I	5
CHEM 122	University Chemistry II	5
PHYS 111	Physics I	5
MATH 331	Calculus Methods	3

General Electives

A total of 21 hours

Chosen in consultation with advisor. Some career goals (e.g. petroleum geology) will require very specific courses to be chosen as degree electives.

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Bachelor of Science: Geosciences (Geography)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Geosciences Core

A total of 10 hours from…

Code	Course Title	Hours
GSCI 100	Introduction to Geology	3
GSCI 240	Introduction to GIS	3
GSCI 630	Geostatistics and Spatial Data Analysis ***OR***	
MATH 250	Elements of Statistics ***OR***	
BIOL 620	Biostatistics	3
GSCI 675	Seminar in Geosciences	1

Geography Core

A total of 26 hours from…

Code	Course Title	Hours
GSCI 101	Elements of Physical Geography	3
GSCI 104	Orientation to Geography	1
GSCI 105	Cultural Geography	3
GSCI 110	World Geography	3
GSCI 290	Cartography	3
GSCI 321	U.S. Geography ***OR***	
GSCI 600	Kansas Geography	3
GSCI 330	Urban Geography	3
GSCI 360	Intermediate GIS	3
GSCI 651	Field Study in Geography	1
GSCI 695	Internship in Geosciences	3

Geosciences Electives

Choose 9 hours

Chosen in consultation with advisor.

Leadership Courses

A total of 6 hours

Code	Course Title	Hours
LDRS 300	Introduction to Leadership Concepts	3
LDRS 302	Introduction to Leadership Behavior	3

General Electives

A total of 18 hours

Chosen in consultation with advisor.

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Bachelor of Art: Environmental Geoscience

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Geosciences Core

A total of 10 hours from…

Code	Course Title	Hour
GSCI 100	Introduction to Geology	3
GSCI 240	Introduction to GIS	3
GSCI 630	Geostatistics and Spatial Data Analysis ***OR***	
MATH 250	Elements of Statistics ***OR***	
BIOL 620	Biostatistics	3
GSCI 675	Seminar in Geosciences	1

Environmental Geosciences Core

A total of 27 hours from…

Code	Course Title	Hours
GSCI 102	Introduction to Geology Lab	1
GSCI 202	Historical Geology with Lab	5
GSCI 310	Mineralogy with Lab	4
GSCI 320	Petrology with Lab	4
GSCI 450	Structural Geology with Lab	4
GSCI 452	Field Methods	3
GSCI 454	Field Study in Geosciences	6

Cognates

Choose 8 hours (Other 10 count for General Ed)...

Code	Course Title	Hours
CHEM 120	University Chemistry I	5
CHEM 122	University Chemistry II	5
PHYS 111	Physics I	5
MATH 331	Calculus Methods	3
MATH 234	Analytic Geometry and Calculus I	5

General Electives

A total of 24 hours

Chosen in consultation with advisor. Some career goals (e.g. petroleum geology) will require very specific courses to be chosen as degree electives.

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	69
Total	**124**

Minor in Geosciences

Minor in Geosciences (Geology)
A total of 22 hours from…

Code	Course Title	Hours
GSCI 200	Physical Geology & Lab	5
GSCI 202	Historical Geology & Lab	5
GSCI 310	Mineralogy with Lab	4
Choose 8 hours of electives from:		
GSCI 320	Petrology with Lab	4
GSCI 350	Geological Hazards	3
GSCI 450	Structural Geology with Lab	4
GSCI 452	Field Methods	3
GSCI 605	Principles of Geomorphology	4
GSCI 642	Applied Geophysics & Lab	3
GSCI 660	Invertebrate Paleontology & Lab	4
GSCI 662	Paleontology of the Lower Vertebrates/Lab	4
GSCI 663	Paleontology of the High Vertebrates / Lab	4

Minor in Geosciences (Geography)
A total of 21 hours from…

Code	Course Title	Hours
GSCI 101	Elements of Physical Geography	3
GSCI 105	Cultural Geography	3
GSCI 110	World Geography	3
PHYS 208	Elementary Meteorology	3
Electives	Electives in Geography	9

Certificate in Geosciences

Museum Studies Certificate
A total of 12 hours from…

Code	Course Title	Hours
GSCI	Museum Management	3
GSCI	Museum Collections Management	3
GSCI	Museum Exhibit Planning & Design	3
GSCI	Museum Public Education	3

GIS User Certificate
A total of 9 hours from…

Code	Course Title	Hours
GSCI 240	Introduction to GIS ***OR***	3
GSCI 225	GIS Foundations I	
GSCI 360	Intermediate GIS ***OR***	3
GSCI 325	GIS Foundations II	
GSCI 290	Cartography ***OR***	3
GSCI 280	Cartographic Concepts ***OR***	
GSCI 625	Advanced GIS ***OR***	
GSCI 674	Remote Sensing ***OR***	
GSCI 330	Remote Sensing Concepts	

Master of Science: Geosciences

The Department of Geosciences offers a flexible Master of Science (M.S.) in Geosciences. You can focus on Geography or Geology, and you can also choose from thesis or non-thesis options.

All students must complete 30 hours of graduate level courses. Thesis students will use six "thesis hours" to reach 30 total hours. In addition, the following core courses are required for the respective options.

Core Curriculum (Thesis Option)

A total of 36 hours from…

Code	Course Title	Hours
GSCI 800	Scientific Writing in Geosciences	3
GSCI 899	Thesis	1-6
Electives in Geology or Cognate Area		27

Master of Liberal Studies: Geosciences

Students completing their MLS program in this concentration will have the following notation on their transcripts: "Liberal Studies (Geosciences)" This concentration may be most appropriate for those who want to acquire skills related to GIS or remote sensing.

Geosciences Concentration

A total of 21 hours from…

Concentration hours developed in consultation with advisor.

Liberal Studies Core

A total of 10 hours from…

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

Course Listing - Department of Geosciences

Undergraduate Credit

100 Introduction to Geology* (3) Introduction to physical and historical geology. May be taken with or without GSCI 102. May not be taken for credit after GSCI 200.

101 Elements of Physical Geography* (3) Introduction to the basic concepts and elements of the physical environment: earth-sun relationships, earth's atmosphere, soils, vegetation, and landforms. Examination of interrelationships among the elements, their graphic distribution, and the tools used to study them.

102 Introduction to Geology Laboratory* (1) Basic investigation of geologic materials, processes, and methods. Hands-on, active experience with emphasis on observation and measurement. May be taken with GSCI 100 and/or GSCI 340 but not required.

103 Elements of Physical Geology Laboratory (1) Hands-on exercises intended to illustrate physical processes related to earth's features and to provide experience with tools used to study those processes and features.

104 Orientation to Geography (1) All entering geography majors are introduced to the academic and career options that are available to the geography /GIS graduate through field trips, presentations, and readings. Discussions will also include university and departmental requirements and resources as well as techniques for becoming a successful geography student. Pass/No Credit.

105 Cultural Geography (3) A survey of traditional and popular culture structured around five themes: cultural region, cultural diffusion, cultural ecology, cultural integration, and cultural landscape.

110 World Geography* (3) Promotes international understanding via a survey of the world as a system of interrelated political units, environments, resources, lifestyles, and problems.

200 Physical Geology # (3) Study of earth's internal and external structure, nature and origin of rocks, geological processes, and methods of inquiry. Requisites: co-requisite, GSCI 200L.

200L Physical Geology Lab (2) Requisites: co-requisite, GSCI 200.

202 Historical Geology # (3) A study of the origin, formation, and development of the earth and its inhabitants. Requisites: PR, GSCI 100; co-requisite, GSCI 202L.

202L Historical Geology Lab (2) Requisites: PR, GSCI 100 and GSCI 102; co-requisite, GSCI 202.

203 Introduction to Petroleum Geology (3)A survey of petroleum geology, including basic characteristics of petroleum, where petroleum is found, skills necessary for petroleum exploration, drilling techniques, and production methods.

225 GIS Fundamentals I (3) GIS Fundamentals addresses fundamental principles and operations of GIS. This course emphasizes technical proficiency in the use of geographic information systems. It is not for BS/BA majors in Geosciences.

240 Introduction to Geographic Information Systems (GIS) (3) Geographic Information Systems (GIS) have revolutionized the manner that spatial data is stored, analyzed and presented. This course provides a foundation towards understanding and operating GIS. Along with addressing primary GIS theory and concepts, GIS technical skills are reinforced through hands-on activities using widely used industry software.

275 Climate Change: Science and Impacts (3) A survey of the theoretical background, observational record, model predictions, and potential impacts of climate change, particularly as driven by human activity.

280 Cartographic Concepts (3) This course provides a basic introduction to the art and science of cartography, the making and study of maps in all of their aspects. Students will work with internet-available software, imaging and visualization equipment in a series of independent exercises, culminating in a final exam with an emphasis on application of skills learned. Emphasis is directed toward those cartographic skills and principles which will be applicable across a wide range of technologies and map-making media. This class is not for BS/BA majors in the Geosciences.

290 Cartography: Theory and Applications (3) Examination of the theory and methods applied to the transformation of geographic space onto maps, their content, structure, and utilization. Interpretation of maps and extraction of information from maps. Requisites: PR, GSCI 101 and MATH 110.

310 Mineralogy # (3) Identification, classification, and occurrence of minerals; emphasis on crystallography, crystal chemistry, and descriptive and determinative mineralogy. Requisites: PR, CHEM 120; CL, GSC 310L

310L Mineralogy Lab (1) Requisites: co-requisite, GSCI 310.

320 Petrology # (3) Description, classification, occurrence, and origin of igneous, sedimentary, and metamorphic rocks. Requisites: PR, GSCI 310; co-requisite, GSCI 320L.

320L Petrology Lab (1) Requisites: co-requisite, GSCI 320.

321 United States Geography (3) A survey of the United States as a functioning system of interrelated regions with emphases on environments, resources, lifestyles, and problems.

322 Latin American Geography (3) A survey of Latin America's interconnected system of political units with emphasis on environments, resources, lifestyles, problems, and relationships to the rest of the world.

323 European Geography (3) A survey of Europe's interconnected system of political units with emphasis on environments, resources, lifestyles, problems and relationships to the rest of the world.

325 GIS Fundamentals II (3) GIS Fundamentals II focuses on moderate level GIS technical operations and GIS spatial analysis methods. The course in not for BS/BA majors in Geosciences. Requisites: PR, GSCI 225.

330 Remote Sensing Concepts (3) This course provides a basic overview of the technology by which aircraft and satellite images of the earth are produced as well as hands-on experience manipulating and interpreting images from a variety of sources. Requisites: PR, GSCI 240.

340 Environmental Geology* (3) A survey of earth materials and processes with emphasis on environmental implications. Includes natural hazards (such as earthquakes and volcanoes), water and other resources, and applications of land-use planning concepts. May be taken with or without GSCI 102.

350 Geologic Hazards (3) An environmental geology course that examines hazardous earth processes, including river flooding, landslides, subsidence, earthquakes, volcanic activity, and coastal hazards. Requisites: PR, GSCI 100; GSCI 300 (recommended).

355 Field Trips in Geology (1-5) Location, topics and credit hours will vary. Each section will have location and topic description in the title. Pass/No Credit.

357 Topics in Geosciences (1-3) A concentrated study of some topic or unit. Regular lectures. Requisites: PERM.

360 Intermediate Geographic Information Systems (3) Intermediate Geographic Information Systems (GIS) explores spatial analysis through the use of raster, network, and 3D analysis. Additional approaches towards GIS cartographic design, data creation, and management are explored. GIS technical skills are reinforced through hands-on activities using widely used industry software. Requisites: PR, GSCI 240.

364 Introduction to Well-logging (3) An introductory course on modern evaluation methods in well-site geology using cased and open-hole logs, core data, geological information, and the physics of fluid-flow in porous media. Several case study examples will be used to illustrate, reinforce, and apply the fundamental technical concepts used in the field. Requisites: PR; GSCI 100, GSCI 102, GSCI 203.

376 Apprenticeship in Geosciences +(1-3) By appointment, course provides practical experience in Geosciences

450 Structural Geology # (3) Study of rock geometry, concepts of descriptive, kinematic, and dynamic analyses related to plate tectonics and time. Graphic, trigonometric, and computer solutions to structural problems and maps. Requisites: PR, GSCI 320, MATH 110; CL, GSCI 450L.

450L Structural Geology Lab (1) Requisites: CR, GSCI 450.

451 Methods in Petroleum Geology (3) Techniques for petroleum geology exploration and operations including case histories. Emphasis on fundamentals of geologic, geochemical, geophysics, seismic, and aerial imagery methods used in exploration. The course will also focus on properties of source rocks, reservoir rocks, traps and seals, and elements of basin analysis and production. Requisite: PR; GSCI 203.

452 Field Methods (3) Geologic principles and techniques of acquisition and interpretation of field data. Requisites: PR, GSCI 450.

454 Field Studies in Geosciences (3-6) An integrative geology capstone course involving a broad range of applied field techniques and procedures. Must have a 2.0 GPA (C average) in all core courses. Requisites: PR, GSCI 452 and PERM.

499 Senior Thesis (1-3) An undergraduate thesis that is the written result of independent research. Must have a minimum cumulative GPA of 3.25 in FHSU and permission of Department Chair.

Undergraduate/Graduate Credit

600 Kansas Geography (3) A survey of Kansas as a functioning system of interrelated regions stressing environments, resources, lifestyles, problems, and relationship to the rest of the United States.

605 Principles of Geomorphology # (3) Origin and development of landforms. Interrelationships among geologic structure, climatic environment, and surface processes. Requisites: PR, GSCI 100.

605L Principles of Geomorphology Lab (1)

620 Advanced Cartography (3) This course provides an advanced experience in the art and science of cartography. Requisite: PR, GSCI 290 and Math 110.

625 Advanced Geographic Information Systems (3) Application of theoretical GIS concepts and practical GIS techniques to solve complex real-world problems from data acquisition to analysis and presentation of results. Major foci are identifying, acquiring, and processing external data sets and conducting the spatial analysis necessary to answer questions. Requisites: PR, GSCI 360.

627 Karst Geology (2) Broad overview of the landscapes and features produced by soluble bedrock. This course will include a focus on the major karst regions of the world, the hazards associated with those regions, and the interaction of humans with these hazards. In addition, the course will discuss the role of karst in Kansas and nearby regions. The course may require fees associated with a field trip to a nearby karst region. Requisites: GSCI 100 or GSCI 101.

630 Geostatistics and Spatial Data Analysis (3) This course covers the theory of quantitative analytic techniques specific to spatially referenced data. Requisites: PR: MATH 250 and GSCI 240 and PERM.

631 Geophysical Well-logging (3) Modern evaluation techniques for sub-surface formations using geophysical open– and cased—hole logs and well-site methods. Requisites: PR, GSCI 203, GSCI 364, GSCI 680.

632 Seismic Interpretation for Petroleum Exploration (3) Course on the fundamental concepts in 2/3-D seismic interpretation for oil exploration.

633 Geophysical Analysis (3) Course on the geologic analysis and integration of 3-D seismic and well data for oil exploration. Requisites: PR, GSCI 632.

634 Advanced Exploration Techniques in Petroleum Geology (3) Advanced geologic techniques used for oil exploration. Requisite: PR, GSCI 203 and GSCI 450.

635 Hydrology and Water Resources (3) Principles and concepts of surface and subsurface hydrology. Origin, occurrence, and movement of water. Aquifers and water resources. Requisites: PR, GSCI 100.

640 Aqueous Environmental Geochemistry (3) Geochemistry of ground waters, surface waters, weathering, chemical sediments, and contamination of natural waters. GSCI 320 recommended. Requisites: PR, CHEM 122.

642 Applied Geophysics # (2) Survey of principles and methods of geophysics as applied to geologic structures. Requisites: PR, GSCI 450; co-requisite, GSCI 642L.

642L Applied Geophysics Lab (1) Requisites: co-requisite, GSCI 642.

644 Climatology (3) Climatology is the study of the long-term behavior of the Earth's atmosphere/ocean/land system. This course covers the definition of climate, processes within the climate system, climate classification, microclimates, paleoclimatology, climate change, and predictions of future climates. Requisites: Permission of Instructor.

651 Field Studies in Geography + (1-6) A concentrated field study emphasizing the environment, resources, lifestyles, and/or problems of a designated territory of the world.
Requisites: PERM.

653 Field Studies in Geology + (1-6) A concentrated field study of some topic or unit in an area where the instructor has exceptional expertise. Requisites: PERM.

655 Geographic Information Systems Programming (3) This course covers the application of programming languages towards the modification and development of Geographic Information Systems. Topics include: programming formats, GIS interface modification, design and development of GIS, objects-based programming, and data/network interconnectivity.
Requisites: PR, GSCI 625.

657 Advanced Topics in Geosciences + (1-3) A concentrated study of some topic or unit. Regular lectures. Requisites: PERM.

660 Invertebrate Paleontology # (3) Study of the evolution of invertebrates as shown by their fossil remains.
Requisites: PR, GSCI 202 or BIOL 260; CL, GSCI 660L.

660L Invertebrate Paleontology Lab (1) Lab or museum sessions or field trip. Requisites: co-requisite, GSCI 660.

662 Paleontology of the Lower Vertebrates # (3) Study of the evolution of fishes, amphibians, and reptiles as shown by their fossil remains. Requisites: PR, GSCI 202 or BIOL 200 or equivalent; co-requisite, GSCI 662L.

662 Paleontology of the Lower Vertebrates (3) Study of the evolution of fishes, amphibians, and reptiles as shown by their fossil remains. Requisites: PR, GSCI 202 or GSCI BIOL 260; CL GSCI 662L.

662L Paleontology of the Lower Vertebrates Lab (1) Lab or museum sessions or field trip. Requisites: co-requisite, GSCI 662.

663 Paleontology of the Higher Vertebrates # (3) Study of the evolution of birds, mammal-like reptiles, and mammals as shown by their fossil remains. Requisites: PR, GSCI 202 or BIOL 260 or equivalent; CL, GSCI 663L.

663L Paleontology of the Higher Vertebrates Lab (1) Lab or museum sessions or field trip. Requisites: co-requisite, GSCI 663.

672 Readings in Geosciences + (1-3) Reading programs developed to fit the special needs of students in areas not represented in the regular curriculum. Requisites: PERM.

673 Problems in Geosciences + (1-3) An individual geosciences investigation chosen by the student and carried out under supervision. Requisites: PERM.

674 Aerial Photographs and Remote Sensing (3) Interpretation and analysis of aerial photographs and satellite imagery. Requisites: PR, MATH 110.

675 Seminar in Geosciences (1) Practicum to teach students the importance of professionalism, service in the discipline, and continuing education. Requisites: PERM.

676 Apprenticeship in Geosciences+ (1-3) Course is designed to provide practical experience in Geosciences. Requisites: PERM of department chair.

680 Sedimentology (3) Survey of modern and ancient depositional environments emphasizing sedimentary facies concepts. Requisites: PR, GSCI 450; PERM.

684 Stratigraphy (3) A course in stratigraphic principles and regional stratigraphy of North America. Requisites: PR, GSCI 680.

685 Research Design (3) Students apply problem-solving skills to scientific, business, and government applications. Students will write a convincing proposal, gather and analyze data, draw conclusions, and present results. Designed for non-thesis graduate students, but exceptional undergraduates are permitted.

695 Internship in Geosciences (3) Supervised work experience in an organization or department using the concepts of geography and geographic information systems to accomplish a task or produce a report. Supervision will be provided by both university and field supervisors. Requisites: PR, GSCI 685, PERM.

Graduate Credit

800 Scientific Research Design (2) Techniques and methods of writing scientific papers. Satisfies graduate research methods requirement. Requisites: PERM

866 Paleo biology (3) Survey of paleontological principles. Considers nature of fossil record, species concepts, theories of evolution and extinction,, paleo ecological analysis, and functional morphology. Requisites: PERM.

872 Readings in Geosciences + (1-3) Assigned reading in selected areas of geology. Requisites: PERM.

873 Problems in Geosciences + (1-3) An individual geographic investigation chosen by the student and carried out under supervision. Requisites: PERM.

874 Research in Geosciences + (1-3) Independent study of a geosciences problem, usually to provide material and data for a thesis. Requisites: PERM.

899 Thesis + (1-6) The written result of independent research. Requisites: PERM.

Department of Mathematics

For updated information, see our website at www.fhsu.edu/macs/

Do you like solving puzzles and problems? Did you ace your mathematics classes in high school? Are you intrigued by how technology computes various mathematical measures? Develop your problem-solving skills with a degree program directed by the Department of Mathematics.

Learn how the principles of the various fields in Mathematics work together to help you create innovative solutions to varied riddles. While you earn your degree at FHSU, you will apply mathematics to a variety of issues, from data collection to mathematical theory.

Our diverse faculty members have a passion for teaching, and their guidance will challenge you to excel in any project you undertake. For example, you can:

- Work on current problems challenging the field of mathematics.
- Write computer programs designed to tackle issues troubling software engineers everywhere.
- Learn cutting-edge teaching methods to pass on your love of mathematics to a new generation.

Whether you major in Mathematics, you will gain the analytical problem solving skills you need to make a difference in the real world.

Undergraduate Degrees

Bachelor of Arts: Mathematics (Industrial / Academic)

Bachelor of Arts: Mathematics (Teaching)

Bachelor of Science: Mathematics (Industrial / Academic)

Bachelor of Science: Mathematics (Teaching)

Minor

Minor in Mathematics

Graduate Degrees

Master of Liberal Studies: Mathematics

Department of Mathematics Faculty & Staff

Chair: Keith Dreiling
Professors: Keith Dreiling, Mohammad Riazi-Kermani, Lanee Young
Associate Professors: Soumya Bhoumik, Sarbari Mitra
Assistant Professors: William Weber, Thomas Dunn
Instructors: Jeffrey Sadler, Michelle Zeng, Judy Brummer, Bader Abukhodair, Patricia Luea
Lecturer: Lisa Colwell
Department Staff: Beverly Unruh, *Office Manager*

See department page online for full listing

Bachelor of Arts: Mathematics (Industrial / Academic)

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Mathematics Core

A total of 38 hours from…

Code	Course Title	Hours
CSCI 261	Computer Science I	3
MATH 234	Analytic Geometry and Calculus I	5
MATH 235	Analytic Geometry and Calculus II	5
MATH 236	Analytic Geometry and Calculus III	3
MATH 240	Linear Algebra	3
MATH 250	Elements of Statistics	3
MATH 350	Mathematical Statistics	3
MATH 354	Differential Equations	3
MATH 610	Higher Algebra ***OR***	3
MATH 646	Discrete Structures	
MATH 631	Advanced Calculus I	4
MATH 665	Numerical Analysis	3
MATH 675	Seminar in Mathematics	1

Cognate Courses

Choose 5 hours from the following:

Course Title	Hours
PHYS 211/211L	5

Mathematics Electives

Choose 3 hours from the following:

Mathematics elective numbered above 300	3

Free Electives

Choose 9 hours from the following:

Free Elective courses	9

Totals

A total of 124 credits from...

University Requirements	62
Department Requirements	62
Total	**124**

Bachelor of Arts: Mathematics (Teaching)

University Degree Requirements

A total of 62 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Mathematics Core

A total of 40 hours from…

Code	Course Title	Hour
CSCI 261	Computer Science I	3
MATH 234	Analytic Geometry and Calculus I	5
MATH 235	Analytic Geometry and Calculus II	5
MATH 236	Analytic Geometry and Calculus III	3
MATH 240	Linear Algebra	3
MATH 250	Elements of Statistics	3
MATH 276	Apprenticeship in Mathematics	2
MATH 277	Early Field Experience in Mathematics	1
MATH 301	Introduction to Proof	3
MATH 350	Mathematical Statistics	3
MATH 370	History of Mathematics	3
MATH 381	Teaching of Secondary School Mathematics	3
MATH 610	Higher Algebra	3
MATH 620	Modern Geometry	3
MATH 675	Seminar in Mathematics	1

Cognate Courses

Choose 5 hours from the following:

Course Title	Hours
PHYS 211/211L	5

Mathematics Electives

Choose 3 hours from the following:

Mathematics elective numbered above 300	3

Teacher Education Requirements

A total of 34 hours from…

Code	Course Title	Hour
TECS 290	Intro to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth & Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	4
TESS 496	Student Teaching Secondary	12

Totals

A total of 145 credits from...

University Requirements	62
Department Requirements	80
Total	**142**

Bachelor of Science: Mathematics (Industrial / Academic)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Mathematics Core

A total of 45 hours from…

Code	Course Title	Hours
CSCI 121	Computer Science I	3
MATH 234	Analytic Geometry and Calculus I	5
MATH 235	Analytic Geometry and Calculus II	5
MATH 236	Analytic Geometry and Calculus III	3
MATH 240	Linear Algebra	3
MATH 250	Elements of Statistics	3
MATH 350	Mathematical Statistics	3
MATH 354	Differential Equations	3
MATH 610	Higher Algebra ***OR***	3
MATH 646	Discrete Structures	
MATH 631	Advanced Calculus I	4
MATH 665	Numerical Analysis	3
MATH 675	Seminar in Mathematics	1
Elective	Mathematics elective numbered above 300	3

Cognate Courses

Choose 5 hours from the following:

Course Title	Hours
PHYS 211/211L	5

Free Electives

Choose 15 hours from the following:

Free Elective courses	15

Totals

A total of 124 credits from...

University Requirements	55
Department Requirements	65
Total	**124**

Bachelor of Science: Mathematics (Teaching)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Mathematics Core

A total of 40 hours from…

Code	Course Title	Hour
CSCI 261	Computer Science I	3
MATH 234	Analytic Geometry and Calculus I	5
MATH 235	Analytic Geometry and Calculus II	5
MATH 236	Analytic Geometry and Calculus III	3
MATH 240	Linear Algebra	3
MATH 250	Elements of Statistics	3
MATH 276	Apprenticeship in Mathematics	2
MATH 277	Early Field Experience in Mathematics	1
MATH 301	Introduction to Proof	3
MATH 350	Mathematical Statistics	3
MATH 370	History of Mathematics	2
MATH 381	Teaching of Secondary School Mathematics	3
MATH 610	Higher Algebra	3
MATH 620	Modern Geometry	3
MATH 675	Seminar in Mathematics	1

Cognate Courses

Choose 9 hours from the following:

Course Title	Hours
PHYS 211/211L	5
Electives - must be approved by advisor	4

Mathematics Electives

Choose 3 hours from the following:

Mathematics elective numbered above 300	3

Teacher Education Requirements

A total of 34 hours from…

Code	Course Title	Hour
TECS 290	Intro to Instructional Technology	3
TEEL 202	Foundations of Education	3
TEEL 231	Human Growth & Development	3
TEEL 431	Educational Psychology	3
TESP 302	Educating Exceptional Students	3
TESS 494	The Secondary School Experience	4
TESS 496	Student Teaching Secondary	12

Totals

A total of 132 credits from...

University Requirements	52
Department Requirements	80
Total	**132**

Minor in Mathematics

Minor in Mathematics

A minimum of 20 hours from…

Code	Course Title	Hours
MATH 234	Analytic Geometry and Calculus I	5
MATH 235	Analytic Geometry and Calculus II	5
MATH 236	Analytic Geometry and Calculus III ***OR***	3
MATH 240	Linear Algebra	

Choose 7 hours from the following...

Code	Course Title	Hours
CSCI 261	Computer Science I	3
MATH 350	Mathematical Statistics	3
MATH 354	Differential Equations	3
MATH 370	History of Mathematics	2
MATH 610	Higher Algebra	3
MATH 620	Modern Geometry	3
MATH 631	Advanced Calculus	3
MATH 646	Discrete Structure	3

A minor allows you to perfect the skills of critical thinking and problem solving while maintaining your degree focus. You will take twenty credit hours of Mathematics and Computer Science classes including Calculus I and II, which account for the first ten hours of your program. You can choose the rest of your classes for a minor from the variety of upper level classes offered by the department.

Master of Liberal Studies: Mathematics

If you plan on doing the MLS concentration in Mathematics, you should have finished your undergraduate degree with at least a minor in math. It is possible to take some 'independent studies' courses as distance education courses, but most of your coursework would have to be on campus. Students completing their MLS program in this concentration will have the following notation on their transcripts: "Liberal Studies (Mathematics)"

If you are interested in taking math classes for the purpose of teacher certification, you should contact Dr. Mohammad Riazi-Kermani, Department Chair. While there is some flexibility in the MLS concentration in Math/Math Education, the Department of Mathematics intends to focus the Math concentration on three areas:

1) enhancing certification for middle school math teachers (courses in this area are being developed jointly with the College of Education to reflect the new licensure teaching standards),

2) enhancing certification for secondary school teachers, and

3) those teaching at the secondary level who would like to be able to teach college algebra.

Liberal Studies Core

A total of 10 hours from…

Code	Course Title	Hours
IDS 801	Introduction to Graduate Liberal Studies	1
IDS 802	Ways of Knowing in Comparative Perspective	3
IDS 803	Origins & Implications of Knowledge Society	3
IDS 804	Information Literacy	3

Mathematics Concentration

A total of 21 hours

A plan of study will be developed in consultation with your department advisor.

Course Listing - Department of Mathematics

Undergraduate Credit

010 Intermediate Algebra (3) Remedial algebra content preparatory for MATH 110. Students completing this course will have 3 credit hours added to the minimum degree requirements.

101 Liberal Arts Mathematics* (3) For non-majors only. A general education foundation studies course designed to provide students with an opportunity to gain an understanding of mathematics and the mathematical processes. Emphasis is not placed on remediation of arithmetic skill deficiencies. Inductive thinking and discovery are emphasized in applications selected from a wide variety of topics. Requisites: PR, at least a C grade or better in MATH 010 or equivalent, or a probability of at least .50 of earning a C or better in College Algebra, listed on the ACT profile, or ACT Math score plus ACT Science score greater than or equal to 40 with neither Math nor Science score being less than 18.

110 College Algebra* (3) No credit for those with credit in MATH 130. Absolute value, inequalities, linear and quadratic equations, complex numbers, quadratic formula, equations of lines, exponential and logarithmic functions, systems of equations and inequalities, functions, and the theory of equations. Requisites: PR, at least a C grade or better in MATH 010 or equivalent, or a probability of at least .50 of earning a C or better in College Algebra, listed on the ACT profile, or ACT Math score plus ACT Science score greater than or equal to 40 with neither Math nor Science score being less than 18.

122 Plane Trigonometry (3) Trigonometric functions, reduction formulas, graphs, trigonometric identities and equations, inverse functions, solution of triangles, and complex numbers. Requisites: PR, MATH 110 or ACT math percentile of at least 50 and 1-1/2 years of high school algebra and 1 year of geometry.

130 Pre-Calculus Mathematics (3) For students who are not prepared to start the analytic geometry-calculus sequence. In-depth study of the polynomial, rational, exponential and trigonometric functions, and their inverses. Requisites: PR, 1-1/2 units of high school algebra and 1 unit of high school geometry and an ACT math percentile of at least 76.

180 Concepts of Elementary Mathematics (3) For the prospective teacher of elementary school mathematics. The structure of the real number system is studied in detail. Requisites: PR, a grade of C or better in MATH 010, or ACT math percentile of at least 30.

221 Statics (3) Composition of and resolution of forces; equilibrium of force systems; application of general laws of statics, including use of vector algebra, friction, and force analysis of simple structures; centroids; moments of inertia. Requisites: PR, PHYS 111 or PHYS 211.

234 Analytic Geometry and Calculus I* (5) Analytic geometry; functions; limits and continuity; differentiation and integration of algebraic, exponential, logarithmic, and trigonometric functions; applications of the derivative and integral. Requisites: PR, MATH 122, MATH 130, or equivalent.

235 Analytic Geometry and Calculus II (5) Techniques and applications of integration; sequences and series; improper integrals; indeterminate forms. Requisites: PR, a grade of C or better in MATH 234.

236 Analytic Geometry and Calculus III (3) Vector calculus; functions of several variables; partial derivatives; line integrals; multiple integrals. Requisites: PR, a grade of C or better in MATH 235.

240 Linear Algebra (3) Basic concepts and applications of linear algebra and matrix theory. Vector algebra in two, three, and N-dimensional space. Requisites: PR, MATH 235 or concurrent enrollment.

250 Elements of Statistics* (3) Distributions, measures of central tendency and dispersion, and sampling methods, hypothesis testing, correlation, and regression. Requisites: PR, Either MATH 101 or MATH 110; MIS 101; or PERM.

276 Apprenticeship--Mathematics + (1-2) Provides practical experience in teaching and administration in mathematics and reviews 7-12 grade mathematics content. Requisites: PERM.

277 Early Field Experience: Mathematics Education (1) Provides prospective mathematics
teachers with observation and experiences with school-age youth. Pass/No Credit.

300 Survey of Mathematical Topics (1-3) An enrichment course in which several selected topics, not covered or inadequately covered in standard courses, will be presented.

301 Introduction to Proof (3) The course will focus on mathematical logic and the main proof techniques used in writing mathematical arguments. This will involve reading proofs to gain deep understanding, studying common mathematical logic statements and proof techniques, and to develop and communicate rigorous mathematical proofs. Proofs techniques will include, but not be limited to, direct (deductive) proof; proof by exhaustion; indirect proof (by contradiction, or by contrapositive); mathematical induction; disproof by counterexample. Requisites: PR, MATH 234.

320 Geometry for Elementary Teachers (3) An informal geometry course for teachers at K-8 levels. Topics include properties of two- and three-dimensional figures and measurement. Requisites: PR, MATH 180 or PERM.

331 Calculus Methods* (3) Non-math majors only. Concepts and methods of calculus. Applications from economics, business, psychology, geology, biology, agriculture. Requisites: PR, MATH 110 or an ACT math percentile of at least 70.

350 Mathematical Statistics (3) Descriptive statistics, basic prob-

ability, expected value, the binomial, Poisson, uniform, exponential and normal probability distributions, interval estimation, hypothesis testing, and linear correlation and regression. Requisites: MATH 235 and MATH 250.

354 Differential Equations (3) First order differential equations, linear equations with constant coefficients, and some special higher order equations, with applications. Requisites: PR, MATH 236.

370 History of Mathematics (2) A study of the historical development of modern mathematical ideas and the contributions of major mathematicians. Requisites: PR, MATH 235 or PERM.

381 Teaching of Secondary School Mathematics (3) Methods and materials for teaching secondary school mathematics. Provides experience in preparing and teaching lessons. Requisites: PR, MATH 276 and MATH 277 or PERM; admission to Teacher Education required.

Undergraduate/Graduate Credit

610 Higher Algebra (3) Properties of the algebraic systems, including rings, integral domains,
fields, and groups. Requisites: PR, MATH 240 or PERM.

620 Modern Geometry (3) A survey of modern geometries and geometric concepts. Requisites: PR, MATH 235 or concurrent enrollment.

631 Advanced Calculus I (4) Functions of a single real variable: axioms for a complete ordered field, topology of the real line, Bolzano-Weierstrass and Heine-Borel theorems, sequences, continuity, differentiation, and Riemann integration. Requisites: PR, MATH 236.

632 Advanced Calculus II (3) Functions of several real variables: linear transformations, continuity and differentiability, inverse/implicit function theorems, multiple integrals, and line and surface integrals. Requisites: PR, MATH 631.

640 Mathematics for the Physical Sciences (3) An elementary working knowledge of the application of vector analysis differential equations, orthogonal functions, complex variables, probability, and statistics. Requisites: PR, MATH 235 or MATH 331.

645 Discrete Mathematical Models (3) An introduction to mathematical models. Topics include Markov chains, linear programming, game theory, and networks and flows. Requisites: PR, MATH 240 or PERM.

646 Discrete Structures (3) Discrete mathematical structures with applications in computer science/software engineering. Topics include semi-groups, groups, trees, graphs, and combinatorics. Requisites: PR, MATH 240 or PERM.

650 Probability and Statistics (3) Probability concepts and their application in statistics. Random variables, joint distributions, generating functions, sampling distributions, confidence intervals, hypothesis tests, least-squares, correlation. Requisites: PR, MATH 235 or PERM.

660 Partial Differential Equations (3) Partial differentiation. Solution of partial differential equations. Use of Fourier series in the solution of partial differential equations. Applications to problems of physics. Requisites: PR, MATH 354.

661 Applied Mathematics (3) Applications of mathematics to selected problems from areas outside mathematics, primarily from the natural sciences. Requisites: PR, MATH 240 and MATH 354 or PERM.

662 Vector Analysis (2) The algebra and geometry of vectors, the calculus of vectors with applications. An introduction to tensors as time permits. Requisites: PR, MATH 354 or concurrent enrollment.

665 Numerical Analysis (3) Numerical techniques for solving non-linear equations, systems of linear equations, and ordinary differential equations. Fixed-point iteration, interpolation, Romberg integration, and predictor-corrector methods. Requisites: PR, MATH 236.

670 Introduction to Set Theory and Metric Topology (3) Basic set theory and cardinal and ordinal numbers and their arithmetic. Basic concepts of topology, in the context of metric spaces. Recommended for teachers. Requisites: PR, MATH 235 or PERM.

671 Theory of Numbers (3) A study of theorems about integers. Topics include theorems on divisibility, theory of congruencies, Diophantine equations, and quadratic reciprocity. Recommended for teachers. Requisites: PR, MATH 235.

673 Problems + (1-4) Miscellaneous problems from or an investigation of some phase of undergraduate mathematics possibly not treated in a regular course. Requisites: PERM.

675 Seminar in Mathematics + (1-3) Students prepare a paper on a mathematics or mathematics education topic and give an oral presentation to the seminar group. Requisites: PR, C or better in MATH 235.

686 Enrichment Topics in Mathematics + (1-3) Content varies, but may be a study of supplementary topics to be used as enrichment in the teaching of mathematics in the elementary and secondary school.

Graduate Credit

805 Problems in the History of Mathematics (3) Emphasis on problem-solving strategies and historical development of various areas of mathematics. Designed for mathematics teachers. Requisites: PERM. Graduate credit only.

810 Abstract Algebra I (3) Theory of groups including normal sub-groups, quotient groups, and the Sylow theorems. Rings and integral domains; ideals; residue class rings; Euclidian rings. Requisites: PR, MATH 610.

811 Abstract Algebra II (3) Linear spaces and fields, including the real and complex fields, extension fields, and the elements of Galois theory. Requisites: PR, MATH 610.

830 Elementary Topology (3) Development of basic topological concepts such as continuity, metrizability, connectedness, compactness, and various separation properties. Requisites: PERM.

831 Functions of a Complex Variable (3) Algebraic and geometric representation of complex numbers, power series, analytic functions, differentiation and integration, transformations. Requisites: PR, MATH 236 or PERM.

833 Functions of a Real Variable (3) A study of the classical theory of functions of a real variable, measure and integration, point set topology, and normed linear spaces. Requisites: PR, MATH 631 or PERM.

850 Theory of Probability (3) A study of probability based on measure theory. Random variables, characteristic functions, law of large numbers, and the central limit theorem. Requisites: PR, MATH 833.

870 Teaching Techniques (3) Techniques of teaching mathematics for the teacher in-service. Topics include research results applied to learning strategies and curriculum design. Requisites: PERM.

872 Readings in Mathematics Education + (1-3) Directed readings and written reports on recent literature in mathematics education. Requisites: PR, mathematics major or PERM.

875 Seminar (1-3) Students prepare a research paper on an approved topic in mathematics or mathematics education and give an oral presentation to the seminar group. Requisites: PERM.

880 Mathematics Workshop for Teachers (1-3) Topics of current interest and value for practicing teachers.

881 Geometry and Measurement (3) Issues and trends in the teaching of geometry; content areas in geometry; roles of axiomatics; and problem solving in geometry.

882 Concepts of Algebra (3) Issues and trends in the teaching of algebra; balance between rigor and manipulation in algebra; content areas in algebra; enrichment; and problem solving in algebra.

883 Concepts of Calculus (3) Deals with content choices for advanced mathematics courses and methods of teaching advanced mathematics students.

884 Teaching Problem Solving in Mathematics (3) Content includes the role of problem solving in the school curriculum and methods of teaching problem solving.

885 Concepts of Probability and Statistics (3) The non-college bound mathematics curriculum and methods of teaching non-college bound students.

886 Enrichment Topics in Mathematics + (1-3) Content varies, but may be a study of supplementary topics to be used as enrichment in the teaching of mathematics in the elementary and secondary school.

887 Micro computing for Teachers (2-3) Minimal BASIC, uses of computers in education, and software development and evaluation.

899 Thesis + (1-5)

*General Education course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite

Department of Physics

For updated information, see our website at **www.fhsu.edu/physics/**

Physics is an organized way of conversing with nature. Physicists ask questions; nature responds. For many questions, the answers are almost predictable, but when the question is a particularly good one, the answer can be unexpected and give us new knowledge of the way the world works. The fundamental ideas of physics underlie all basic science - astronomy, biology, chemistry, and geology. Physics is also essential to the applied sciences and engineering. Physics graduates enjoy a broad range of careers in medicine, basic and applied research, engineering, education, energy, business, law and publishing.

The Department of Physics offers degree programs in physics as well as outstanding pre-engineering education and a physics-engineering dual degree program.

Undergraduate Degrees

The Department of Physics offers the Bachelor of Science (B.S.) degree in physics and the Bachelor of Arts (B.A.) degree in physics. A 3+2 dual degree program is also available which leads to a B.S. in Physics from FHSU and a B.S. in Engineering from KSU, KU, WSU, and other engineering colleges.

Students in all of these programs must satisfy the university general education requirements. Students seeking licensure to teach must select general education courses to satisfy the general studies program for teachers and must complete the required professional education courses. The B.A. in Physics requires 10 hours of foreign language. A minor in physics is also available.

Undergraduate Degrees

Bachelor of Arts: Physics

Bachelor of Science: Physics

Bachelor of General Science: Physics

Minor

Minor in Physics

Certificate

Computational Physics

Department of Physics Faculty & Staff

Chair: Gavin Buffington
Professors: Gavin Buffington, Kayvan Aflatooni
Associate Professors: Clifton Clark, Eric Deyo, Jack Maseberg
Assistant Professors:
Instructors: Kent Rohleder
Adjunct: Paul Adams. Cheryl Shepherd-Adams, Doug Goddard, Justin Zohner
Department Staff: Kelly Lagree, *Senior Administrative Assistant*

See department page online for full listing

Bachelor of Arts: Physics

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3
Modern Language Courses	
Beginning I and II courses	10

Physics Core

A total of 30 hours from…

Code	Course Title	Hour
PHYS 211/211L	Engineering Physics I / Lab	5
PHYS 212/212L	Engineering Physics II / Lab	5
PHYS 313	Modern Physics	3
PHYS 332	Analog and Digital Electronics	3
PHYS 603	Projects I	1–3
PHYS 621	Mechanics	3
PHYS 632	Electricity and Magnetism	3
PHYS 651	Advanced Laboratory I	1
PHYS 654	Advanced Laboratory II	1
Electives	Physics Electives	6

Cognate Courses

Choose 8 hours from the following:

Code	Course Title	Hour
MATH 235	Analytic Geometry and Calculus II	4
MATH 236	Analytic Geometry and Calculus III	4

Free Electives

A total of 19 hours from the following:

Choose Free Electives	19

Totals

A total of 145 credits from...

University Requirements	65
Department Requirements	62
Total	**124**

Bachelor of Science: Physics

University Degree Requirements

A total of 65 credits from...

Specified General Education Courses:	Credits
Foundation Studies	15
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences	9
Upper-Division Integrative Course	3

Physics Core

A total of 41 hours from…

Code	Course Title	Hour
PHYS 100	Introduction to Physics and Engineering	3
PHYS 211/211L	Engineering Physics I / Lab	5
PHYS 212/212L	Engineering Physics II / Lab	5
PHYS 313	Modern Physics	3
PHYS 332	Analog and Digital Electronics	3
PHYS 603	Projects I (0ne credit hour)	1-3
PHYS 620	Mathematics for the Physical Sci-ences	3
PHYS 621	Mechanics	3
PHYS 632	Electricity and Magnetism	3
PHYS 651	Advanced Laboratory I	1
PHYS 652	Optics	3
PHYS 654	Advanced Laboratory II	1
PHYS 672	Thermal Physics	3
PHYS 675	Senior Seminar	1
Electives	Physics Electives	3

Cognate Courses

Choose 11 hours from the following:

Code	Course Title	Hours
MATH 235	Analytic Geometry and Calculus II	4
MATH 236	Analytic Geometry and Calculus III	4
MATH 354	Differential Equations	3

Free Electives

A total of 19 hours from the following:

Choose Free Electives	19

Totals

A total of 145 credits from...

University Requirements	65
Department Requirements	72
Total	**124**

Bachelor of Science: General Science (Physics)

University Degree Requirements

A total of 55 credits from...

Specified General Education Courses:	Credits
Foundation Studies	18
Elective/Specified General Education Courses:	
International Studies Component (select 2 courses)	6
Humanities (three electives)	9
Mathematics and Natural Sciences	10
Social and Behavioral Sciences (three electives)	9
Upper-Division Integrative Course	3

General Science Core

A total of 18 hours from…

Code	Course Title	Hours
BIOL 180/180L	Principles of Biology / Lab	4
CHEM 120/120L	University Chemistry I / Lab	5

Choose 4 hours from the following:

Code	Course Title	Hours
GSCI 100	Introduction to Geology	3
GSCI 101	Elements of Physical Geology	3
GSCI 102	Introduction to Geology Laboratory	1
GSCI 200	Physical Geology	3
GSCI 200L	Physical Geology Laboratory	2
GSCI 275	Climate Change: Science and Impacts	3

Choose 5 hours from the following:

Code	Course Title	Hours
PHYS 111	Physics I	4
PHYS 111L	Physics I Laboratory	1
PHYS 211	Physics for Scientists and Engineers I	4
PHYS 211L	Physics for Scientists and Engineers I / Lab	1

Physics Core

Choose 16 hours from the following...

Code	Course Title	Hour
PHYS 100	Introduction to Engineering Science	1
PHYS 112	Physics II	3
PHYS 112L	Physics II Laboratory	2
PHYS 313	Modern Physics	3
Electives	Approved PHYS coursework	6
PHYS 603	Projects	1

Free Electives

A total of 32 hours

Totals

A total of 120 credits from...

University Requirements	55
Department Requirements	65
Total	**120**

Minor in Physics

A minor allows you to perfect your problem-solving skills while maintaining your degree focus. You will take 20 credit hours of Physics classes including Physics I and II as well as Concepts of Modern Physics or Atomic Physics. You can choose the rest of the courses for your minor from the range of interesting and innovative classes offered by the Department of Physics.

Certificate in Physics

A certificate adds value to your degree program by building your knowledge and skills in a particular topic area, giving you an advantage in the workplace or allowing you to explore a passion. Currently, the Department of Physics offers one certificate in Computational Physics. With these courses, you will gain insight into the development and utilization of software to solve complex problems in physics and engineering.

Course Listing - Department of Physics

Undergraduate Credit

100 Introduction to Physics and Engineering (3) Succeeding in Physics and Engineering (3) The course will introduce the physics and engineering disciplines and develop the student's abilities in problem solving, experimental design and technical writing through individual and group activities. Career fields and pathways in physics and engineering will also be explored.

102 Physical Science* (3) Concepts of the physical sciences are presented as related to our physical environment. A non-mathematical overview of the physical sciences for students who have little or no previous physical science.

103 Physical Science Laboratory* (1) The process of science is investigated including observation, data collection, predicting, and formulating hypotheses by selecting activities from the broad physical science areas of chemistry, geology, meteorology, astronomy, and physics. This laboratory meets for two contact hours per week. Requisites: PR or co-requisite, PHYS 102 or PHYS 208 or PHYS 309.

104 Conceptual Physics (3) A brief introduction to physics with the idea of conveying physics as a human activity. Concepts of physics, as well as their historical and philosophical implications, are stressed rather than mathematical concepts.

111 Physics I # (4) An introduction to forces, motion, matter, and energy with special emphasis to life sciences. Designed for pre-professional students, life-science majors, the general liberal arts student, and prospective teachers. Requisites: PR, MATH 110; co-requisite, PHYS 111L.

111L Physics I Laboratory (1) Requisites: co-requisite, PHYS 111.

112 Physics II # (4) A continuation of introductory physics covering wave motion (includes light and sound), electricity and magnetism, and modern physics again stressing applications to the life sciences in each of those areas. Requisites: PR, PHYS 111 or equivalent; co-requisite, PHYS 112L.

112L Physics II Laboratory (1) Requisites: co-requisite, PHYS 112.

204 Basic Physics (3) An introduction to the basic concepts of physics and a study of x-rays and radioactivity. Requisites: PR, MATH 110 or ACT mathematics percentile of at least 50 and one year of high school algebra.

208 Elementary Meteorology* (3) A study of weather phenomena, general climatology, meteorological controls, and the techniques and problems of weather forecasting.

211 Engineering Physics I # (4) A calculus-based study of mechanics, wave motion, and thermodynamics for majors in science and engineering. Requisites: PR, MATH 234 or MATH 331 or concurrent enrollment; co-requisite, PHYS 211L.

211L Engineering Physics I Laboratory (1) Requisites: co-requisite, PHYS 211.

212 Engineering Physics II # (4) A calculus-based study of electricity, magnetism, and optics. Requisites: PR, PHYS 211 and MATH 235 or concurrent enrollment or MATH 331; co-requisite, PHYS 212L.

212L Engineering Physics II Laboratory (1) Requisites: co-requisite, PHYS 212.

213 Scientific Computing and Productivity (3) Extensive use will be made of computational systems to treat problems of physical interest.

221 Statics (3) Coplanar forces, friction, force analysis of simple structures, and machine elements (cross referenced with MATH 221). Requisites: PR, PHYS 211.

230 Telecommunication Electronics (3) The course will involve fundamental principles of telecommunication systems and information networks for non-science majors interested in telecommunication system components and circuits, computing systems, and information networks. Requisites: PR, MATH 110, INT 300 (for INT majors) or Permission from the instructor.

231 Electronic Components and Transducers # (2) The student is introduced to the principles of electronics and of the components used in modern electronic instrumentation, including transducers of temperature, light, sound, force, and displacement. Requisites: co-requisite, PHYS 231L.

231L Electronic Components and Transducers Laboratory (1) Requisites: co-requisite, PHYS 231.

233 Instrumentation # (1) This course which is the third course in a sequence will provide the student with a working knowledge of complete instrumentation systems. Requisites: co-requisite, PHYS 233L.

233L Instrumentation Laboratory (1) Requisites: co-requisite, PHYS 233.

276 Applied Technician Practicum + (2-8) Provides the student with an off-campus opportunity to gain practical experience in a supervised technical situation. May be repeated for up to 8 credit hours.

277 Early Field Experience: Physical Science Education (1) Pass/No Credit. Requisites: PERM.

301 Concepts of Modern Physics (3) A non-calculus level survey of atomic and nuclear physics and the concepts of relativity and quantum theory. Requisites: PR, PHYS 112 or PHYS 212.

302 Human Physics (2) This course is designed to assist students in nursing and allied health fields in acquiring a knowledge of the principles of physics and the relationships of these principles to the functioning of the human body.

303 Household Physics (4) A presentation of physical principles of equipment used in the home. Treatment is largely non-mathematical.

309 Descriptive Astronomy * (3) Topics include the history of astronomy, constellation identification, characteristics and evolution of stars and galaxies, the nature of our solar system, and the search for extraterrestrial life. A few night observations.

313 Modern Physics (3) A survey of atomic physics, relativity, and an introduction to quantum theory. Requisites: PR, PHYS 112 or PHYS 212 and MATH 235 or MATH 331.

331 Electronic Circuits (3) An introduction to the study of electronic circuits. Included are circuit theory, diodes, transistors, and integrated circuits as used in power supplies, amplifiers, and logic circuitry. Requisites: PR, PHYS 112 or PHYS 212 and MATH 235 or MATH 331.

332 Analog and Digital Electronics (3) This course is an introduction to the principles and characteristics of reactive and active circuits and the concepts of digital circuits. Requisites: PR, PHYS 112 or PHYS 212 and MATH 235 or MATH 331.

333 Applied Microcomputer Techniques (3) Involves microcomputer software development, I/O techniques, interfacing, and data conversion with emphasis on practical application through hands-on use of real microcomputer system. 6502 assembly language will be used. Requisites: PR, PHYS 112 or PHYS 212 or PERM.

476 Apprenticeship--Physical Science (1-3) This course is designed to provide practical experience in teaching and administration in physical science. Requisites: PERM.

Undergraduate/Graduate Credit

600 Mini Physics + (1-2) Topics of general interest in physics offered for the benefit of anyone who would like a brief encounter with topical subjects in physics. This course may be repeated for credit so long as a section by a different title is chosen each time.

601 What to do With Experimental Data (1) Graphical analysis, error analysis, and goodness of fit tests. For students of social or natural sciences.

603 Projects I + (1-3) Provides an opportunity for participants to select a project for study. May be repeated for credit so long as content is not duplicated. Requisites: PERM.

606 Science Teaching Methods (2) An introduction to secondary and middle school science teaching methods. The course provides opportunities for designing units and teaching lessons across science disciplines. Topics include learning theories and styles, teaching strategies, topics in science education research, student assessment, instructional technologies, standard-based instruction, and teaching students with special needs (the handicapped and the gifted). Requisites: PERM; admission to Teacher Education required.

608 Special Topics I + (1-5) Topics selected from areas of physics such as classical mechanics, modern physics, relativity, and wave mechanics are studied from a theoretical viewpoint. Requisites: PERM.

620 Mathematics for the Physical Sciences (3) An elementary working knowledge of the application of vector analysis, differential equations, orthogonal functions, complex variables, probability, and statistics. Requisites: PR, MATH 235 or MATH 331. May also be used as MATH 640 Mathematics for the Physical Sciences.

621 Mechanics (3) A study of the motion of particles and rigid bodies using methods of calculus and vector algebra. Includes an introduction to Lagrange equations. Requisites: PR, PHYS 111 or PHYS 211 and MATH 354 or concurrent enrollment.

632 Electricity and Magnetism (3) A study of electrostatics,

magneto statics, and Maxwell's equations. Requisites: PR, PHYS 112 or PHYS 212 and MATH 354.

641 Nuclear Physics (3) A study of radioactive disintegration; alpha, beta, and gamma ray spectra; nuclear models; and atomic fission and fusion. Requisites: PR, PHYS 301 or PHYS 313.

651 Advanced Laboratory I (1) Students will conduct experiments in the areas of optics, electricity and magnetism, heat, mechanics, and atomic physics. Requisites: PR, PHYS 301 or PHYS 313 or concurrent enrollment.

652 Optics (3) A study of geometrical and physical optics. Taught spring semester of even-numbered years. Requisites: PR, PHYS 301 or PHYS 313 and MATH 354.

654 Advanced Laboratory II (1) Continuation of PHYS 651. Experiments in various fields of modern physics such as gamma and x-ray spectroscopy, atomic physics, and nuclear physics. Requisites: PR, PHYS 301 or PHYS 313 or concurrent enrollment.

660 Solid State Physics (3) An introduction to the physics governing the crystalline state of matter. Modern theories describing lattice vibrations, energy bands, crystal binding, and optical properties are presented. These ideas are then applied to the understanding of technologically important areas such as superconductivity, doped semiconductors, ferroelectric materials, and photo refractivity. Requisites: PR, PHYS 212 and MATH 354.

670 Workshop I + (1-5) Concentrated study by teachers of selected areas from the natural sciences. Problems of special interest to teachers will be discussed. May be repeated for credit as long as subject matter is not duplicated.

671 Institute I + (1-6) A program consisting of a series of related topics of science studied intensively. For both elementary and secondary teachers. May be repeated for credit as long as subject matter is not duplicated.

672 Thermal Physics (3) A study of temperature, heat, heat transfer, entropy, the kinetic theory of gases, and statistical mechanics. Taught spring semester of odd-numbered years. Requisites: PR, PHYS 301 or PHYS 313 and MATH 354.

673 Special Problems I + (1-5) Opportunity is given for advanced students to work on problems of their own choosing. Requisites: PERM.

675 Senior Seminar + (1) An experimental or theoretical project will be undertaken by the student and the results reported in a seminar. Students who have not yet taken the ETS major field test in physics are required to do so while enrolled in Seminar. Requisites: PR, PHYS 654 or concurrent enrollment.

676 Apprenticeship in Physical Science Teaching (1-3) This course is designed to provide practical experience in teaching and administration in physics and physical science. Requisites: PERM.

677 Introductory Quantum Theory (3) Course covers Schrodinger's theory of wave mechanics, systems in two and three dimensions, elementary perturbation theory, particles, and spin. Requisites: PR, PHYS 313 and MATH 354.

678 Applications of Quantum Theory (3) An elementary quantum mechanical treatment of atoms, molecules, and nuclei. Requisites: PR, PHYS 677.

Graduate Credit

803 Projects II + (1-3) Provides an opportunity for participants to select a project for study. May be repeated for credit so long as content is not duplicated. Requisites: PERM.

806 Physical Science Teaching Practicum II (3) This course provides the student who is preparing to become a secondary teacher with an opportunity to organize and present lessons in a science laboratory classroom. Requisites: PERM; admission to Teacher Education required.

808 Special Topics II + (1-5) Topics selected from areas of physics are studied from a theoretical and applied viewpoint. Requisites: PERM.

815 Mathematical Physics (5) A study of the mechanics of particles, calculus of variations, Hamilton's principle, theory of vibrating strings, magneto hydrodynamics, field theory, and the restricted theory of relativity. Requisites: PR, PHYS 301 or PHYS 313 or PHYS 853 and MATH 354.

832 Advanced Electricity and Magnetism (3) A study of magnetism, thermoelectricity, high frequency currents, electromagnetic radiation, and plasma physics. Requisites: PR, MATH 354 and PHYS 632.

853 Concepts of Modern Physics (3) A non-calculus level survey of atomic and nuclear physics and the concepts of relativity and quantum theory. Requisites: PR, PHYS 112 or PHYS 212.

870 Workshop II + (1-5) Concentrated study by teachers of selected areas from the natural
sciences. Problems of special interest to teachers will be discussed. May be repeated for credit as long as subject matter is not duplicated.

871 Institute II + (1-6) A program consisting of a series of related topics of science studied intensively. For both elementary and secondary teachers. May be repeated for credit as long as subject matter is not duplicated.

873 Special Problems II + (1-5) Opportunity is given for advanced students to work on problems of their own choosing. Requisites: PERM.

875 Seminar II + (1) An experimental or theoretical project will be undertaken by the student and the results reported in a seminar. May be repeated for a maximum of 2 credit hours. Requisites: Permission Required.

876 Apprenticeship II (1-3) This course is designed to provide practical experience in teaching and administration in physics. Requisites: PERM.

899 Thesis (2-5)

Aviation

Undergraduate Credit

118 Private Pilot Ground School (3) Ground instruction in aeronautical knowledge appropriate to the private pilot written examination (FAR 61.103, 61.105, and 61.35). A passing score on the FAA written exam is required for credit. Special fees: lab fees. Requisites: Permission only.

119 Private Pilot Flight Training (3) Flight instruction covering procedure and maneuvers as stated in FAR 61.107 and 91.109. A pass on a flight proficiency check ride required for credit. Extra costs involved. Special fees: lab fees. Pass/No Credit. Requisites: Permission Only.

218 Commercial Pilot Ground School (3) Ground instruction in aeronautical knowledge appropriate to the commercial pilot written exam (FAR 61.125). A passing score on the FAA written exam is required for credit. Special fees: lab fees. Requisites: PR, private pilot certificate; Permission Only.

219 Commercial Pilot Flight Training (3) Flight instruction covering proficiencies stated in FAR 61.127 and 61.129. Pass on flight proficiency check ride required. Extra costs involved. Special fees: lab fees. Pass/No Credit. Requisites: PR, private pilot certificate; Permission Only.

318 Instrument Rating Ground School (3) Ground instruction appropriate to IFR navigation and the Air Traffic Control System (FAR 61.65 [B]). A passing score on the FAA written exam is required for credit. Special fees: lab fees. Requisites: PR, private pilot or commercial pilot certification; Permission Only.

319 Instrument Rating Flight Training (3) Instruction in flying an aircraft by instruments reference only (FAR 61.65). A proficiency check ride required for credit. Extra costs involved. Special fees: lab fees. Requisites: PR, private or commercial pilot certificate and current medical certificate; Permission Only.

418 Flight Instructor (3) Extra costs involved. Special fees: lab fees. Pass/No Credit. Requisites: PR, commercial pilot certificate with an instrument rating (FAR 61.183, 61.185, 61.187, and 61.195); Permission Only.

*General Education course
+Course may be repeated
#Lab required
PERM: Permission
PR: Pre-requisite