INFORMATICS | BACHELOR OF ARTS: INFORMATION NETWORKING AND TELECOMMUNICATIONS (HEALTH INFORMATICS)

Program Summary

Code	Title	Hours
General Education		34
Bachelor of Arts Language Requirement		10
INT Core		18
Concentration Core & Electives		36
Open Electives [1]		22
Total Hours		**120**

[1] Open electives are the credit hours required to reach a minimum of 120 total hours and 45 upper division hours. The number listed assumes all courses are completed at FHSU as listed. This number may vary if students transfer courses, or have individual substitutions allowed. Students should speak with their advisor if either situation applies to determine if the number will vary, and to ensure they enroll in a minimum of 45 upper division hours.

Students entering within 1 year of high school graduation will take UNIV 101 Freshman Seminar and may apply that hour in the open elective category.

Program Requirements

General Education

All undergraduate degrees require completion of the Kansas Systemwide General Education (https://catalog.fhsu.edu/general-education/).

Courses identified with [GE] on this page may satisfy a general education requirement in addition to the identified degree requirement. Students who apply a degree requirement to satisfy a general education requirement will typically add an equal number of hours to the university elective category. This flexibility may allow you to complete a minor or certificate within the 120 hour degree. Transfer students are especially encouraged to select these courses in completing General Education requirements to maximize the likelihood of completing the degree with 120 credit hours.

Code	Title	Hours
General Education		**34-35**

Effective in Fall 2025 the math pathway course (https://catalog.fhsu.edu/general-education/gateway-courses/) identified below is required for this degree.

Math Pathways Course: MATH 110 College Algebra

The General Education Math Pathways course identified for this major is **MATH 110 College Algebra** . All students pursuing this degree program will be required to complete this course. Students who place into a higher level math course may be able to satisfy this requirement; consult with your Academic Advisor for additional information.

Placement measures for **MATH 110 College Algebra** include:

- Math ACT: 19 or higher OR
- Math SAT: 510 or higher OR
- ALEKS PPL: 30 or higher OR
- Accuplacer QAS: 255 or higher OR
- HS GPA and Course Grade: 3.00 cumulative GPA (unweighted) and C- or higher in Second Semester Algebra 2 or Integrated Math 3 OR
- Institutional Measure

Corequisite support course for MATH 110 College Algebra: **MATH 105 College Algebra with Review** . Students who do not meet any of the placement measures listed above will need to register for the corequisite support course.

BA Language Requirement

All FHSU students pursuing a BA degree are required to take two consecutive non-English language classes. These classes total 10 hours at FHSU. Courses accepted in transfer must be a minimum of 8 credit hours **and** determined to be equivalent to the FHSU sequence or additional credit hours must be taken. Students taking beginning Spanish or French classes may be able to apply the first class to the Arts and Humanities area of the general education requirement.

Code	Title	Hours
Bachelor of Arts Language Requirement		**10**

Code	Title	Hours
INT Core		
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 in Informatics	3
INF 610	Public Policy, Law, Ethics in Telecommunications	3
Total Hours		**18**

Concentration

Health Informatics (Online & On Campus)

The Health Informatics concentration is designed to give those already working in the healthcare industry, or hoping to work in healthcare the ability to understand the needs and demands of patient care and information security.

As the healthcare industry increasingly transitions to web-based interfaces, electronic storage and retrieval of patient information, and more sophisticated networks for medical information management, the demand for medical professionals with technology training and expertise is growing. In larger markets, technology professionals with training and expertise specific to medical industries, patient care practices, and information security have created niche demand that is not being met.

Hospitals, clinics, specialty practices, pharmaceutical, and insurance industries are aggressively recruiting this kind of professional, with a

uniquely mixed background. These new positions now have some of the highest salaries in the IT field.

Code	Title	Hours
Concentration Requirements: Health Informatics		
INF 291	Internetworking I	3
INF 292	Internetworking II	3
INF 393	Internetworking III	3
INF 652	Database Design and Programming	3
INF 685	Fundamentals of Network Security	3
NURS 440	Informatics for the RN	3
NURS 442	Legal and Ethical Issues in Healthcare	3
Emphasis Electives		
Select five of the following: [1]		15
INF 302	Windows Client Administration	
INF 304	Management Information Systems	
INF 305	Windows Server Administration	
INF 322	Topics in Informatics	
INF 345	Electronic Game Theory and Practice	
INF 360	Programming with Python	
INF 472	Readings in Informatics	
INF 473	Problems in Informatics	
INF 479	Internship in Informatics	
INF 651	Front End Web Development I	
INF 653	Back-End Web Development I	
INF 662	Modern Telephony	
INF 664	Wireless and Cellular Systems	
INF 678	Seminar in Informatics	
INF 684	Foundations of Information Systems Security	
INF 686	Network Security Firewalls	
INF 695	Advanced Routing	
INF 697	Advanced LAN Switching	
Total Hours		**36**

[1] Work with your advisor to choose five courses from the below list to meet your goals.

Degree Requirements

Code	Title	Hours
Bachelor of Arts Degree Language Requirement		
Two consecutive semesters of a non-English Language		
All bachelor degrees require:		
GPA of 2.0 on FHSU courses & 2.0 on all coursework (Higher program requirements prevail over the 2.0 when set)		
A minimum of 30 hours earned from FHSU with a grade of D, C, B, or A		
Successful completion of an upper division Writing and Information Literacy course (Most majors contain a course designated)		
A minimum of 45 hours of recognized upper division credit		
A minimum of 120 hours of recognized college credit		