

# MATHEMATICS | BACHELOR OF ARTS: MATHEMATICS (MIDDLE SCHOOL MATH)

## Degree Maps

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
ENG 101	English Composition I	3
COMM 100	Fundamentals of Oral Communication	3
UNIV 101	Freshman Seminar	1
MATH 130	Pre-Calculus Mathematics	3
SGE060 - Arts Humanities Discipline Area		3
Open Electives		3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
SGE070 - Institutionally Designated Area: Personal and Professional Development		3
SGE040 - Natural Physical Science Discipline Area		4
ENG 102	English Composition II	3
MATH 234	Analytic Geometry and Calculus I	5
<b>Hours</b>		<b>15</b>
<b>Second Year</b>		
<b>Fall</b>		
SGE060 - Arts Humanities Discipline Area		3
SGE050 - Social Behavioral Sciences Discipline Area		3
MATH 180	Concepts of Elementary Mathematics	3
SGE050 - Social Behavioral Sciences Discipline Area		3
TEEL 202	Foundations of Education	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Bachelor of Arts Language Requirement		5
MATH 250	Elements of Statistics	3
MATH 277	Early Field Experience: Mathematics Education	1
MATH 370	History of Mathematics	3
TEEL 231	Human Growth and Development	3
<b>Hours</b>		<b>15</b>
<b>Third Year</b>		
<b>Fall</b>		
PHYS 111 & 111L	Physics I and Physics I Laboratory	5
CSCI 121	Computer Science I	3
Bachelor of Arts Language Requirement		5
TECS 301	Introduction to Instructional Technology	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
TEEL 360 & TEEL 377	Mathematics Methods and Mathematics Internship	4
MATH 620	Modern Geometry	3
TESP 302	Educating Students with Exceptionalities	3
SGE070 - Institutionally Designated Area: Critical Thinking		3
MATH 278	Apprenticeship-Mathematics	2
Open Electives		1
<b>Hours</b>		<b>16</b>
<b>Fourth Year</b>		
<b>Fall</b>		
MATH 381	Teaching of Secondary School Mathematics	3
TEEL 431	Educational Psychology	3
TESS 494	The Secondary School Experience	4

MATH 675	Seminar in Mathematics	3
Open Electives		2
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
TESS 496	Student Teaching Secondary	11
TEEL 675	Seminar in Education I	1
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>

**Academic Degree Maps** are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.