

Mathematics (grid only)

Course Sequence:

Semester 1

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
ENGL 101 - English Composition I		3 credits	Writing/Research/Info Lit 1
Lab Science Elective (BIOL, CHEM, or PHYS)	ENGL 101 Ready	4 or 5 credits	Scientific Reasoning
MATH 171 - Calculus I	MATH 162 with a grade of "C" or better or placement in MATH 171 or higher	4 credits	Quantitative Reasoning
MATH 163 - Discrete Math I	MATH 161 with a grade of "C" or better or placement in MATH 162 or higher	4 credits	

Semester 2

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
ENGL 102 - The Research Paper	ENGL 101 with a grade of "C" or better	3 credits	Writing/Research/Info Lit 2
MATH 172 - Calculus II	MATH 171 with a grade of "C" or better or placement in MATH 172 or higher	4 credits	
MATH 263 - Discrete Mathematics II	MATH 163 with a grade of "C" or better	3 credits	
Lab Science Elective (BIOL, CHEM, or PHYS)	ENGL 101 Ready	4 or 5 credits	

Semester 3

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
<u>MATH 270 - Linear Algebra</u>	<u>MATH 171</u> with a grade of "C" or better and <u>MATH 172</u> with a grade of "C" or better (MATH 172 may be taken concurrently)	4 credits	
<u>ANTH 112 - Cultural Anthropology</u> or <u>GEOG 103 - Intro to Human Geography</u> or <u>HIST 101 - United States History: Colonial America through the Revolutionary Era</u> or <u>HIST 102 - United States History: The Civil War and the 19th Century</u> or <u>HIST 103 - United States History: The 20th Century and Beyond</u> or <u>HIST 121 - World History: The Distant Past</u> or <u>HIST 122 - World History: The Recent Past</u> or <u>HIST 142 - Food History</u> or <u>HIST 150 - History of American Health Care</u> or <u>SOC 101 - Intro to Sociology</u> or <u>SOC 115 - Gender and Society</u> or <u>SOC 233 - Race, Ethnicity and Social Inequalities</u>	For <u>SOC 115: ENGL 101</u>	3 credits	Cultural Analysis and Interpretation
<u>CSCI 111 - Computer Science I</u>	<u>FNMT 118</u> prerequisite or placement in <u>MATH 161</u> or higher	4 credits	Technological Competency
Lab Science Elective (BIOL, CHEM, or PHYS)	<u>ENGL 101</u> Ready	4 or 5 credits	

Semester 4

Course Number and Name	Prerequisites and Corequisites	Credits	Gen Ed Req.
MATH 271 - Calculus III	MATH 172 with a grade of "C" or better and MATH 270 with a grade of "C" or better	4 credits	
MATH 272 - Differential Equations	MATH 172 with a grade of "C" or better and MATH 270 with a grade of "C" or better	4 credits	
ENGL 115 - Public Speaking or ENGL 117 - Group and Team Communication or any course that meets the Oral Communication/Creative Expression requirement	ENGL 115 and ENGL 117: ENGL 101, which may be taken concurrently	3 credits	Oral Communication/Creative Expression
CSCI 112 - Computer Science II	CSCI 111 with a grade of "C" or better	4 credits	Technological Competency

Minimum Credits Needed to Graduate: 60

Courses and Completion Sequence

Semester 1

Course Number and Name	Credits	Advisory Notes
ENGL 101 - English Composition I	3 credits	
Natural Science with a Lab in BIOL, CHEM or PHYS	4 or 5 credits	Counts as the first of three Lab Science electives. Must be ENGL 101 ready. (Some science courses have science or math prerequisites)
MATH 171 - Calculus I	3 credits	Critical to major. Must earn a "C" or better. Should be completed within 15 credits of admission to major. Prerequisite: MATH 162

Course Number and Name	Credits	Advisory Notes
		(with a "C" or better) or placement in MATH 171 or higher
MATH 163 - Discrete Mathematics I	3 credits	Critical to major. Must earn a "C" or better. Prerequisite: MATH 161 (with a "C" or better) or placement in MATH 162 or higher

Semester 2

Course Number and Name	Credits	Advisory Notes
ENGL 102 - The Research Paper	3 credits	Prerequisite: ENGL 101
MATH 172 - Calculus II	4 credits	Critical to major. Should be completed within 15 credits of successful completion of MATH 171. Must earn a "C" or better. Prerequisites: MATH 171 with a grade of "C" or better or placement in MATH 172 or higher
MATH 263 - Discrete Mathematics II	4 credits	Critical to major. Prerequisite: MATH 163 (with a "C" or better).
Natural Science with a Lab in BIOL, CHEM or PHYS.	4/5 credits	Counts as the second of three Lab Science electives. Must be ENGL 101 ready. (Some science courses have science or math prerequisites.)

Semester 3

Course Number and Name	Credits	Advisory Notes
MATH 270 - Linear Algebra	4 credits	Critical to major. Must earn a grade of "C" or better. Should be completed within 24 credits of successful completion of MATH 171. Prerequisites: MATH 171 with a grade of "C" or better and MATH

Course Number and Name	Credits	Advisory Notes
		172 with a grade of "C" or better MATH 172 may be taken concurrently.
<p>ANTH 112 - Cultural Anthropology or GEOG 103 - Intro to Human Geography or HIST 101 - United States History: Colonial America through the Revolutionary Era or HIST 102 - United States History: The Civil War and the 19th Century or HIST 103 - United States History: The 20th Century and Beyond or HIST 121 - World History: The Distant Past or HIST 122 - World History: The Recent Past or HIST 142 - Food History or HIST 150 - History of American Health Care or SOC 101 - Intro to Sociology or SOC 115 - Gender and Society or SOC 233 - Race, Ethnicity and Social Inequalities</p>	3 credits	<p>(Some Social Science electives fulfill one or more academic approaches.) Must be ENGL 101 ready.</p>
<p>CSCI 111 - Computer Science I</p>	4 credits	<p>Counts as the third of three Lab Sciences. Must be ENGL 101 ready. (Some science courses have science or math prerequisites.)</p>
<p>Natural Science with a Lab in BIOL, CHEM or PHYS.</p>	4 or 5 credits	<p>Must be ENGL 101 ready. (Some science courses have science or math prerequisites.)</p>

Semester 4

Course Number and Name	Credits	Advisory Notes
MATH 271 - Calculus III	4 credits	Critical to major. Must earn a "C" or better. Prerequisites: MATH 172 and MATH 270 (each with a "C" or better.)
MATH 272 - Differential Equations	4 credits	Prerequisites: MATH 172 and MATH 270 (each with a "C" or better). Must earn a "C" or better.
ENGL 115 - Public Speaking or ENGL 117 - Group and Team Communication or any course that meets the Oral Communication/Creative Expression requirement	3 credits	Prerequisites for ENGL 115 and ENGL 117: ENGL 101, which may be taken concurrently Please consult the catalog or your advisor for other courses that meet the Oral Communication/Creative Expression requirement.
CSCI 112 - Computer Science II	4 or 5 credits	Together with CSCI 111, fulfills Technological Competency Gen Ed requirement. Prerequisite: CSCI 111 (with a "C" or better).