MATHEMATICS (B.S.)

Curriculum Map

Course	Title	Hours
Freshman		
Fall		
ENG 104 or ENG 103 or ENG 111	COMPOSITION I or English Composition I with Co-requisite Support or COMPOSITION & LITERATURE FOR L	3
Humanities & Fine Arts Option		3
Social & Behavioral Science Option		3
MATH 241	CALCULUS I WITH LABORATORY	3
UNIV 100	UNIVERSITY SUCCESS	2
	Hours	**14**
Spring		
ENG 105 or ENG 112	COMPOSITION II or COMPOSITION	3
MATH 242	CALCULUS II WITH LABORATORY	3
Humanities & Fine Arts Option		3
Natural Science Option		3
Pathway Option		3
	Hours	**15**
Sophomore		
Fall		
MATH 243	CALCULUS III WITH LABORATORY	3
Humanities & Fine Arts Option		3
Natural Science Option		3
Social & Behavioral Science Option		3
Pathway Option		3
	Hours	**15**
Spring		
CSC 118	COMPUTER SCIENCE I	3
MATH 244	CALCULUS IV WITH LABORATORY	3
MATH 303	INT TO SET THEO & LOGC I	3
UNIV 200	CIVIC ENGAGEMENT	1
Science Elective with Lab		4
Pathway Option		3
	Hours	**17**
Junior		
Fall		
MATH 331	LINEAR ALGEBRA & MATRIX THEORY	3
MATH 368	DIFFERENTIAL EQUATIONS	3
General Elective		3
General Elective		3
Science Elective with Lab		4
	Hours	**16**
Spring		
MATH 321	MODERN GEOMETRY I	3
MATH 355	PROBABILITY&STATISTICS I	3
General Elective		3
Math Elective		3
	Hours	**12**
Senior		
Fall		
MATH 311	ABSTRACT ALGEBRA I	3
MATH 351	ADVANCED CALCULUS I	3
General Elective		3
Math Elective		3
Science Elective with Lab		4
	Hours	**16**
Spring		
MATH 403	SEMINAR IN MATHEMATICS	3
MATH 451	GENERAL TOPOLOGY I	3
Mathematics Elective		3
General Elective		3
General Elective		3
	Hours	**15**
	Total Hours	**120**

Notes:

- Candidates that transfer 12 or more hours of college credit are exempt from UNIV 100 UNIVERSITY SUCCESS; however, the student must take 2 hours of general electives to replace the UNIV course.
- General electives must be taken with the consultation of the department academic advisor.
- Online Graduation Clearance (**to be completed during the graduating semester only**).

Specialization Courses

Code	Title	Hours
Pure Mathematics		
MATH 311	ABSTRACT ALGEBRA I	3
MATH 431	REAL ANALYSIS I	3
MATH 441	COMPLEX ANALYSIS I	3
MATH 321	MODERN GEOMETRY I	3
MATH 451	GENERAL TOPOLOGY I	3
Applied Mathematics		
MATH 415	PARTIAL DIFF EQUATIONS I	3
MATH 466	OPERATIONS RESEARCH	3
Applied Statistics (See Advisor)		