

B.S. in Mathematics (Comprehensive Major)
 Four Year Curriculum Guide (Odd Years)
 Department of Mathematics and Computer Science

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
ENG 101	Composition I (Core 2)	3	ENG 102	Composition II (Core 4)	3
CS 101	Logic and Computing	3	GENERAL	General Elective (1) (CS 121 rec.)	3
CORE	Institutional Requirement (Core 3)	3	CORE	Institutional Requirement (Core 5)	3
	TOTAL	14		TOTAL	14

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MATH 250	Mathematical Proof (spring only)	1
MATH 305	The Calculus III (fall only)	4	MATH 307	Linear Algebra (spring only)	3
GENERAL	General Elective (2) (CS 121 rec.)	3	MATH	Math Cognate (1)	3
SCIENCE	Science Elective (1)	3	SCIENCE	Science Elective (2)	3
CORE	Institutional Requirement (Core 6)	3	CORE	Institutional Requirement (Core 7)	3
			CORE	Institutional Requirement (Core 8)	3
	TOTAL	16		TOTAL	16

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 417	Real Analysis (fall odd)	3	MATH 108 MATH 318	Introductory Statistics or Math. Statistics (spring even)	3
MATH	Math Elective (1)	3	MATH 230	Mathematical Modeling (spring even)	3
MATH	Math Cognate (2)	3	CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 9)	3	CORE	Institutional Requirement (Core 12)	3
CORE	Institutional Requirement (Core 10)	3	GENERAL	General Elective (3)	3
	TOTAL	15		TOTAL	15

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 415	Abstract Algebra (fall even)	3	MATH 450	Seminar (spring only)	1
MATH	Math Elective (2)	3	MATH	Math Elective (3)	3
MATH	Math Cognate (3)	3	CORE	Institutional Requirement (Core 14)	3
GENERAL	General Elective (4)	3	CORE	Institutional Requirement (Core 15)	5
CORE	Institutional Requirement (Core 13)	3	GENERAL	General Elective (5)	3
	TOTAL	15		TOTAL	15

120 hours

B.S. in Mathematics (Comprehensive Major)
 Four Year Curriculum Guide (Even Years)
 Department of Mathematics and Computer Science

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 205	Calculus I (fall only) (Core 1)	5	MATH 206	Calculus II (spring only)	5
ENG 101	Composition 1 (Core 2)	3	ENG 102	Composition II (Core 4)	3
CS 101	Logic and Computing	3	GENERAL	General Elective (1) (CS 121 rec.)	3
CORE	Institutional Requirement (Core 3)	3	CORE	Institutional Requirement (Core 5)	3
	TOTAL	14		TOTAL	14

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 223	Discrete Mathematics I (fall only)	3	MATH 230	Mathematical Modeling (spring even)	3
MATH 305	Calculus III (fall only)	4	MATH 250	Mathematical Proof (spring only)	1
GENERAL	General Elective (2) (CS 122 rec.)	3	MATH 307	Linear Algebra (spring only)	3
SCIENCE	Science Elective (1)	3	SCIENCE	Science Elective (2)	3
CORE	Institutional Requirement (Core 6)	3	CORE	Institutional Requirement (Core 7)	3
			CORE	Institutional Requirement (Core 8)	3
	TOTAL	16		TOTAL	16

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 415	Abstract Algebra (fall even)	3	MATH	Math Elective (2)	3
MATH	Math Elective (1)	3	MATH	Math Cognate (2)	3
MATH	Math Cognate (1)	3	CORE	Institutional Requirement (Core 11)	3
CORE	Institutional Requirement (Core 9)	3	CORE	Institutional Requirement (Core 12)	3
CORE	Institutional Requirement (Core 10)	3	GENERAL	General Elective (3)	3
	TOTAL	15		TOTAL	15

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
MATH 417	Real Analysis (fall odd)	3	MATH 108 MATH 318	Introductory Statistics or Mathematical Statistics (spring even)	3
MATH	Math Elective (3)	3	MATH 450	Seminar (spring only)	1
MATH	Math Cognate (3)	3	CORE	Institutional Requirement (Core 15)	5
CORE	Institutional Requirement (Core 13)	3	GENERAL	General Elective (4)	3
CORE	Institutional Requirement (Core 14)	3	GENERAL	General Elective (5)	3
	TOTAL	15		TOTAL	15

120 hours