

Mathematics Major Bachelor of Science (47 credit hours)

2018-2019

MATH 1000, 1100, 1110, 1220, 1250, 1300, 1400, and 4700 do not apply to the Mathematics major.

Major Requirements*

*Prerequisites: Students must demonstrate mathematics proficiency in one of three ways

- SAT (MSS 540 or higher) and/or (SRM 510 or higher)/ACT (ACNM 23 or higher)
- Passing university computer based Math placement exam
- Successful completion of MATH 1000 (CR)

- MATH 2010, Calculus I, 4 credit hours
- MATH 2020, Calculus II, 4 credit hours
- MATH 2200, Discrete Mathematical Structures, 4 credit hours
- MATH 3010, Linear, Algebra, 4 credit hours
- MATH 3020, Calculus III, 4 credit hours
- MATH 3300, Numerical Analysis, 3 credit hours
- MATH 4000, Problem Seminar, 2 credit hours
- MATH 2120, Intro. Statistics with Applications OR MATH 4010, Mathematical Statistics, 4 credit hours
- MATH 4100, Real Analysis OR MATH 4200, Abstract Algebra, 3 credit hours
- An additional 3 credit hours from MATH courses numbered 3100 or higher, excluding MATH 4700
- ENGR 2310, Computational Problem Solving, 3 credit hours
- CPSC 2320, C++ Programming, 1 credit hour
- PHYS 2240, General Physics I, 4 credit hours
- An additional 4 credit hours from CHEM 2110 or above, PHYS 2250 or above, BIOL 2210 or above

Mathematics Major Bachelor of Science Suggested Course Sequence

2018-2019

SEMESTER 1		SEMESTER 2	
MATH 2010	4 Hours	MATH 2020	4 Hours
ENGL 1100/ENGL 1110	3-4 Hours	ENGR 2310	3 Hours
LART 1050	1 Hour	PHYS 2240	4 Hours
Foreign Language	4 Hours	ENGL 1120	3 Hours
Personal Wellness	2-3 Hours	COMM 1000	3 Hours

SEMESTER 3		SEMESTER 4	
MATH 3010	4 Hours	MATH 3020	4 Hours
CPSC 2320	1 Hour	MATH 2200	4 Hours
CHEM 2110/PHYS 2250/BIOLOG 2210	4 Hours	Social & Behavioral Ways of Knowing	3 Hours
BIBL 2000	3 Hours	Civic Ways of Knowing	3 Hours
Elective	3 Hours	Elective	3 Hours

SEMESTER 5		SEMESTER 6	
MATH 3300	3 Hours	MATH 3100-or higher	3 Hours
Christian Way of Knowing	3 Hours	MATH 2120	4 Hours
Elective	6 Hours	Global/Intercultural	3 Hours
Aesthetic Ways of Knowing	3 Hours	Elective	6 Hours

SEMESTER 7		SEMESTER 8	
MATH 4100/4200	3 Hours	Writing Intensive	3 Hours
MATH 4000	2 Hours	Electives	9 Hours
Writing Intensive	3 Hours		
Elective	6 Hours		

The Mathematics major for the Bachelor of Science prepares students for a variety of mathematics-related career paths in business and industry, as well as graduate study.