

Mathematics Major Bachelor of Science (47 credit 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.

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) 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

NOTE: All students must complete 120 total credit hours to graduate from Anderson University.

Proposed 4 Year Course Sequence:

Freshman: MATH 2010; MATH 2020, ENGR 2310, PHYS 2240
 Sophomore: MATH 3010, CPSC 2320, CHEM 2110/PHYS 2250/BIOL 2210; MATH 3020, MATH 2200
 Junior: MATH 3300; MATH 3100-or higher, MATH 2120
 Senior: MATH 4100/4200, MATH 4000

Mathematics Bachelor of Science 4 Year Suggested Course Sequence

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 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/BIOL 2210	4 Hours	Social & Behavioral Ways of Knowing	3 Hours
BIBL 2000	3 Hours	Civic Ways of Knowing	3 Hours
Additional Class	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
Aesthetic Ways of Knowing	3 Hours	Global/Intercultural Ways of Knowing	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours

SEMESTER 7		SEMESTER 8	
MATH 4100/4200	3 Hours	Writing Intensive	3 Hours
MATH 4000	2 Hours	Additional Class	3 Hours
Writing Intensive	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours

Proposed 3 Year Course Sequence:

Freshman: MATH 2010; MATH 2020, ENGR 2310, PHYS 2240
 Sophomore: MATH 3010, CPSC 2320, CHEM 2110/PHYS 2250/BIOL 2210; MATH 3020, MATH 2200
 Junior: MATH 3300, MATH 4100/4200, MATH 4000; MATH 3100 or higher, MATH 2120

Mathematics Bachelor of Science 3 Year Suggested Course Sequence

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
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours		

SUMMER	
Civic Ways of Knowing	3 Hours
Social & Behavioral Ways of Knowing	3 Hours
Additional Class	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/BIOL 2210	4 Hours	Personal Wellness	2 Hours
BIBL 2000	3 Hours	Additional Class	3 Hours
COMM 1000	3 Hours	Additional Class	3 Hours
Electives	3 Hours		

SUMMER	
Christian Way of Knowing	3 Hours
Global/Intercultural Ways of Knowing	3 Hours
Additional Class	3 Hours

SEMESTER 5		SEMESTER 6	
MATH 3300	3 Hours	MATH 3100 or higher	3 Hours
MATH 4100/4200	3 Hours	MATH 2120	4 Hours
MATH 4000	2 Hours	Writing Intensive	3 Hours
Writing Intensive	3 Hours	Aesthetic Ways of Knowing	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours		

Questions? Please contact the [Department of Mathematics](#).