Mathematics Major Bachelor of Science (50 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, with an additional emphasis on computational problem solving and application.

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

Major Requirements:

- MATH 2010, Calculus I, 4 credit hours
- MATH 2020, Calculus II, 4 credit hours
- MATH 2200, Discrete Mathematics, 4 credit hours
- MATH 3010, Linear, Algebra, 4 credit hours
- MATH 3020, Calculus III, 4 credit hours
- MATH 4000, Problem Seminar, 2 credit hours
- MATH 4100, Real Analysis, 3 credit hours
- MATH 4200, Abstract Algebra, 3 credit hours

- Probability/Statistics Elective: One course from MATH 2120, MATH 4010, or MATH 4020
- Applied Mathematics Elective: 3 credit hours from MATH 3100, MATH 3200, MATH 3300, or MATH 3400
- Computational Problem Solving: CPSC 2020, CPSC 2320, and ENGR 2310
- Applied Sciences: PHYS 2240 as well as 4 hours from CHEM 2100+, CPSC 2030+, PHYS 2250+, or BIOL 2210+

- MATH 2010, Calculus I, is a Quantitative Ways of Knowing course in the Liberal Arts Program.
- PHYS 2240, General Physics I Calculus, is a Scientific Ways of Knowing course in the Liberal Arts Program.

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

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

Proposed 4 Year Course Sequence:

    Freshman: MATH 2010, CPSC 2020; MATH 2020, ENGR 2310, PHYS 2240

    Sophomore: MATH 3010, CPSC 2320, Applied Science Elective; MATH 3020, MATH 2200

    Junior: MATH 4100/4200, MATH 4010; Applied Mathematics Elective

    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
CPSC 2020	4 Hour	ENGR 2310	3 Hours
ENGL 1110	3 Hours	PHYS 2240	4 Hours
LART 1050	1 Hour	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
Applied Science Elective	4 Hours	Social & Behavioral Ways of Knowing	3 Hours
BIBL 2000	3 Hours	H & A Ways of Knowing	3 Hours
Civil Discourse & Conflict Transform.	3 Hours		

SEMESTER 5		SEMESTER 6	
MATH 4100/4200	3 Hours	Applied Mathematics Elective	3 Hours
MATH 4010	3 Hours	H & A Ways of Knowing	4 Hours
Christian Way of Knowing	3 Hours	Global/Intercultural Ways of Knowing	3 Hours
H & A Ways of Knowing	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours

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

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

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
CPSC 2020	4 Hour	ENGR 2310	3 Hours
ENGL 1110	3 Hours	PHYS 2240	4 Hours
LART 1050	1 Hour	ENGL 1120	3 Hours
H & A Ways of Knowing	4 Hours	COMM 1000	3 Hours
Personal Wellness	2 Hours		

SUMMER	
H & A 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
MATH 4100/4200	3 Hours	Additional Class	3 Hours
Applied Science Elective	4 Hours	Additional Class	3 Hours
BIBL 2000	3 Hours	Additional Class	3 Hours
Civil Discourse & Conflict Transform.	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 4010	3 Hours	Applied Mathematics Elective	3 Hours
MATH 4100/4200	3 Hours	Additional Class	3 Hours
MATH 4000	2 Hours	H & A Ways of Knowing	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours		

Questions? Please contact the Department of Mathematics.