

Mathematics Major Bachelor of Science (50-51 credit hours)

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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.
- MATH 4000, Problem Seminar, is a Speaking Intensive 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	Civic Ways of Knowing	3 Hours
Civil Discourse & Critical Reasoning	3 Hours		

SEMESTER 5		SEMESTER 6	
MATH 4100/4200	3 Hours	Applied Mathematics Elective	3 Hours
MATH 4010	3 Hours	Language (Modern/Ancient)	4 Hours
Christian Way of Knowing	3 Hours	Global/Intercultural Ways of Knowing	3 Hours
Aesthetic 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	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

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Proposed 3 Year Course Sequence:

Freshman: MATH 2010; MATH 2020, ENGR 2310, PHYS 2240  
 Sophomore: MATH 3010, CPSC 2320, CHEM 2110/PHYS 2250/BIOLOG 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
Language (Modern/Ancient)	4 Hours	COMM 1000	3 Hours
Personal Wellness	2 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
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 & Critical Reasoning	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	Writing Intensive	3 Hours
MATH 4000	2 Hours	Aesthetic Ways of Knowing	3 Hours
Writing Intensive	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](#).