

Mathematics Major Bachelor of Arts (41 credit hours)

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

**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
- CPSC 2020, Fundamentals of Computational Thinking, 4 credit hours
- Mathematics Electives: 6 credit hours from MATH 2000 and above, excluding MATH 4700
  
- MATH 2010, Calculus I, is a Quantitative Ways of Knowing course in the Liberal Arts Program.

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

### Proposed 4 year course sequence:

Freshman: MATH 2010; MATH 2020, CPSC 2020  
 Sophomore: MATH 3010; MATH 3020, MATH 2200  
 Junior: MATH 4100/4200, MATH 2000-or higher; MATH 2120  
 Senior: MATH 4000, MATH 4100/4020; MATH 2000-or higher

### Mathematics BA 4 Year Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
MATH 2010	4 Hours	MATH 2020	4 Hours
ENGL 1110	3 Hours	ENGL 1120	3 Hours
LART 1050	1 Hour	COMM 1000	3 Hours
H & A Ways of Knowing	4 Hours	Additional Class	3 Hours
Personal Wellness	2 Hours		

SEMESTER 3		SEMESTER 4	
MATH 3010	4 Hours	MATH 3020	4 Hours
CPSC 2020	4 Hours	MATH 2200	4 Hours
BIBL 2000	3 Hours	Scientific Way of Knowing	4 Hours
H & A Ways of Knowing	3 Hours	Social & Behavioral Ways of Knowing	3 Hours
Additional Class	3 Hours		

SEMESTER 5		SEMESTER 6	
MATH 4100/4200	3 Hours	MATH 2120	3 Hours
MATH 2000-or higher	3 Hours	Global/Intercultural Ways of Knowing	3 Hours
Christian Way of Knowing	3 Hours	H & A Ways of Knowing	3 Hours
Civil Discourse & Conflict Transform.	3 Hours	Additional Class	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours

SEMESTER 7		SEMESTER 8	
MATH 4000	2 Hours	MATH 2000-or higher	3 Hours
MATH 4100/4200	3 Hours	Additional Class	3 Hours
Additional Class	4 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, MATH 2200

Sophomore: CPSC 2020, MATH 3010, MATH 4100/4200; MATH 3020, MATH 2120, MATH 2000-or higher

Junior: MATH 4000, MATH 4100/4200; MATH 2000-or higher

### Mathematics BA 3 Year Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
MATH 2010	4 Hours	MATH 2020	4 Hours
ENGL 1110	3 Hours	MATH 2200	4 Hours
LART 1050	1 Hour	ENGL 1120	3 Hours
Language (Modern/Ancient)	4 Hours	COMM 1000	3 Hours
Additional Class	3 Hours	Aesthetic Ways of Knowing	3 Hours
Additional Class	3 Hours		

SUMMER 1	
Civic Ways of Knowing	3 Hours
Social & Behavioral Ways of Knowing	3 Hours
Additional Class	3 Hours

SEMESTER 3		SEMESTER 4	
CPSC 2020	4 Hours	MATH 3020	4 Hours
MATH 3010	4 Hours	MATH 2120	3 Hours
MATH 4100/4200	3 Hours	MATH 2000-or higher	3 Hours
BIBL 2000	3 Hours	Writing Intensive	3 Hours
Scientific Way of Knowing	4 Hours	Additional Class	3 Hours

SUMMER 2	
Christian Way of Knowing	3 Hours
Global/Intercultural Ways of Knowing	3 Hours
Additional Class	3 Hours

SEMESTER 5		SEMESTER 6	
MATH 4000	2 Hours	MATH 2000-or higher	3 Hours
MATH 4100/4200	3 Hours	Writing Intensive	3 Hours
Personal Wellness	2 Hours	Additional Class	3 Hours
Civil Discourse & Critical Reasoning	2 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](#).