Mathematics - Finance Major (53 credit hours)

The Mathematics-Finance and Mathematics-Decision Science majors allow students to use courses from the Falls School of Business to enhance the Mathematics major without requiring a double major. The resulting majors are more focused than a traditional Mathematics major, yet still versatile for a broad range of career paths.

The Mathematics-Finance major would prepare students for careers in areas such as banking, corporate finance, financial planning, financial analysis and actuarial science. In addition, it would prepare students for graduate study in Mathematical Finance, Applied Mathematics, and Actuarial Science.

Major Requirements:
- MATH 2010, Calculus I, 4 credit hours (semester 1 of freshmen year)
- MATH 2020, Calculus II, 4 credit hours (semester 2 of freshmen year)
- MATH 2120, Introductory Statistics with Applications, 4 credit hours
- MATH 3010, Linear, Algebra, 4 credit hours
- MATH 3020, Calculus III, 4 credit hours
- MATH 3400, Mathematics of Finance, 3 credit hours
- MATH 4000, Problem Seminar, 2 credit hours
- MATH 4010, Mathematical Statistics, 4 credit hours
- ACCT 2010, Principles of Accounting I, 3 credit hours
- BSNS 2510, Business Finance, 3 credit hours
- BSNS 3350, Intermediate Finance, 3 credit hours
- BSNS 4150, Investments, 3 credit hours
- ECON 2010, Principles of Macroeconomics, 3 credit hours
- ECON 2020, Principles of Microeconomics, 3 credit hours
- ECON 3410, Money and Banking, 3 credit hours

One Course from:
- MATH 3100, Different Equations, 3 credit hours
- MATH 3200, Mathematical Models, 3 credit hours
- MATH 3300, Numerical Analysis, 3 credit hours

- ECON 2010, Principles of Macroeconomics, is a Social & Behavioral Ways of Knowing course in the Liberal Arts Program.
- MATH 2010, Calculus I, is a Quantitative Reasoning course in the Liberal Arts Program.
- MATH 2120, Introductory Statistics with Applications, is a Quantitative Reasoning course in the Liberal Arts Program.
- MATH 4000, Problem Seminar, is a Speaking Intensive 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 course sequence:

Freshman: MATH 2010; MATH 2020, 2120
Sophomore: ACCT 2010, MATH 3010; MATH 3020, MATH 3100/3200/3300
Junior: BSNS 2510, ECON 2010, MATH 3400; BSNS 3350, ECON 2020
Senior: BSNS 4150, MATH 4000, 4010; ECON 3410

Mathematics - Finance 4-Year Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
MATH 2010	4 Hours	MATH 2020	4 Hours
ENGL 1100/ENGL 1110	3-4 Hours	MATH 2120	4 Hours
LART 1050	1 Hour	ENGL 1120	3 Hours
Foreign Language	4 Hours	COMM 1000	3 Hours
Personal Wellness	2 Hours	Additional Class	3 Hours

SEMESTER 3		SEMESTER 4	
ACCT 2010	3 Hours	MATH 3020	4 Hours
MATH 3010	4 Hours	MATH 3100/3200/3300	3 Hours
BIBL 2000	3 Hours	Aesthetic Ways of Knowing	3 Hours
Civic Ways of Knowing	3 Hours	Scientific Ways of Knowing	4 Hours
Additional Class	3 Hours		

SEMESTER 5		SEMESTER 6	
BSNS 2510	3 Hours	BSNS 3350	3 Hours
ECON 2010	3 Hours	ECON 2020	3 Hours
MATH 3400	3 Hours	Global/Intercultural Ways of Knowing	3 Hours
Christian Way of Knowing	3 Hours	Writing Intensive	3 Hours
Additional Class	3 Hours	Additional Class	3 Hours

SEMESTER 7		SEMESTER 8	
BSNS 4150	3 Hours	ECON 3410	3 Hours
MATH 4000	2 Hours	Additional Class	3 Hours
MATH 4010	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 Course Sequence:

Freshman:	MATH 2010; MATH 2020, MATH 2120, ACCT 2010
Sophomore:	MATH 3010, BSNS 3200, MATH 3400, ECON 2010; MATH 3020, BSNS 3350, ECON 2020
Junior:	MATH 4010, MATH 4000, BSNS 4510; ECON 3410, MATH 3100/3200/3300

Mathematics - Finance 3-Year Suggested Course Sequence

SEMESTER 1		SEMESTER 2	
MATH 2010	4 Hours	MATH 2020	4 Hours
COMM 1000	3 Hours	MATH 2120	4 Hours
ENGL 1100/ENGL 1110	3-4 Hours	ACCT 2010	3 Hours
LART 1050	1 Hour	ENGL 1120	3 Hours
Foreign Language	4 Hours	Scientific Ways of Knowing	4 Hours
Personal Wellness	2 Hours		

SUMMER 1	
Civic Ways of Knowing	3 Hours
Aesthetic Ways of Knowing	3 Hours
Additional Class	3 Hours

SEMESTER 3		SEMESTER 4	
MATH 3010	4 Hours	MATH 3020	4 Hours
BSNS 2510	3 Hours	BSNS 3350	3 Hours
MATH 3400	3 Hours	ECON 2020	3 Hours
ECON 2010	3 Hours	Writing Intensive	3 Hours
BIBL 2000	3 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 4010	4 Hours	ECON 3410	3 Hours
MATH 4000	2 Hours	MATH 3100/3200/3300	3 Hours
BSNS 4510	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	Additional Class	3 Hours

Questions? Please contact the Department of Mathematics.