

Mathematics—Economics Major (38 credit hours)

2018-2019

Major Requirements*

22 credit hours from:

- MATH 2010, Calculus I, 4 credit hours
- MATH 2020, Calculus II, 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 4010, Mathematical Statistics, 4 credit hours

15 credit hours:

- ECON 2010, Principles of Macroeconomics, 3 credit hours
- ECON 2020, Principles of Microeconomics, 3 credit hours
- ECON 3020, Intermediate Economic Analysis, 3 credit hours
- ECON 3410, Money and Banking, 3 credit hours
- 3 hour independent study course combining mathematics and economics with a required empirical research project

Remaining hours from additional upper-division MATH and ECON courses

Proposed course sequence:

Freshman: MATH 2010; MATH 2020

Sophomore: ECON 2010, MATH 3010; ECON 2020, MATH 3020

Junior: Upper division ECON/MATH course; ECON 3410, Independent Study

Senior: MATH 4000, 4010; ECON 3020

- 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 4000, Problem Seminar, is a Speaking Intensive course in the Liberal Arts Program.

Mathematics: Economics Major Suggested Course Sequence 2018-2019

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

SEMESTER 3		SEMESTER 4	
ECON 2010	3 Hours	ECON 2020	3 Hours
MATH 3010	4 Hours	MATH 3020	4 Hours
Aesthetic Ways of Knowing	3 Hours	Scientific Ways of Knowing	4 Hours
Civic Ways of Knowing	3 Hours	BIBL 2000	3 Hours

SEMESTER 5		SEMESTER 6	
Upper Division ECON/MATH course	3 Hours	ECON 3410	3 Hours
Christian Way of Knowing	3 Hours	Independent Study	3 Hours
Global/Intercultural	3 Hours	Writing Intensive	3 Hours
Elective	3 Hours	Elective	3 Hours

SEMESTER 7		SEMESTER 8	
MATH 4000	2 Hours	ECON 3020	3 Hours
MATH 4010	4 Hours	Elective	3 Hours
Writing Intensive	3 Hours	Elective	3 Hours
Elective	3 Hours	Elective	3 Hours
Elective	3 Hours		

The Mathematics: Economics major combines mathematics and economics. Required courses include Calculus I, II, and III; Linear Algebra; Mathematical Statistics; Principles of Macroeconomics; Principles of Microeconomics; Intermediate Economic Analysis; and Money and Banking. In addition, this major requires the completion of an independent study project combining mathematics and economics.