

QUANTITATIVE ECONOMICS MAJOR (B.S.)

This major focuses on the systematic study of mathematical and statistical analysis of economic phenomena and problems. The coursework includes instruction in economic statistics, optimization theory, cost/benefit analysis, price theory, economic modeling, and economic forecasting and evaluation. With this degree program, students take ten courses within the major, as well as a semester of calculus (MA 131). The quantitative focus of the major includes intermediate-level theory courses, two econometrics courses, and a quantitative methods in economics course. This major may be of interest to students pursuing highly analytical career fields, as well as students potentially interested in going on to graduate school in economics or related fields. This major is STEM-designated, and as such, it may be of particular interest to international students qualifying for extended work opportunities.

For further information about degree requirement policies and guidelines, see the Degree Requirements (catalog.bentley.edu/undergraduate/degree-requirements/) page.

Major Requirements

Major Courses (30 Credits)

Course	Title	Credits
Required Courses:		
EC 112	Principles of Macroeconomics	3
EC 224	Intermediate Microeconomics	3
EC 225	Intermediate Macroeconomics	3
EC 282	Introduction to Econometrics	3
EC 425	Quantitative Methods in Economics and Business	3
EC 483	Applied Econometrics	3
Select four EC Electives (may be fulfilled by an EC course not otherwise required)		12
Total Credits		30

The Business Environment (6 Credits)

Course	Title	Credits
CS 305	Business Processes and Systems	3
MG 300	Strategic Management	3
Total Credits		6

General Degree Requirements

Foundations for Success (15 Credits)

Course	Title	Credits
FDS 100	Falcon Discovery Seminar	3
Communications and Writing		
Select one from:		
EMS 101	Critical Reading and Writing	3
or EMS 101L	Critical Reading and Writing with Lab	
or EMS 102	Critical Reading and Writing for Multilingual Students	
or EMS 102L	Critical Reading and Writing for Multilingual Students with Lab	

And one from:

EMS 104	Multimodal Communication	3
or EMS 105	Multimodal Communication for Multilingual Students	

Information Technology

CS 100	Solving Business Problems with Information Technology	3
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Mathematical Sciences

Select one from:

MA 105	Mathematical Foundations for Business	3
or MA 105L	Mathematical Foundations for Business with Lab	
or MA 107	Applied Calculus for Business	
or MA 107L	Applied Calculus for Business with Lab	
or MA 131	Calculus I	
or MA 131L	Calculus I with Lab	

Total Credits	15
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Context and Perspectives (18 Credits)

Course	Title	Credits
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Students must take six courses, one in each category of Context and Perspectives:

Culture, Change, and Behavior (catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#culturechangeandbehavior)

Globalization (catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#globalization)

Institutions and Power (catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#institutionsandpower)

Race, Gender, and Inequality (catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#racegenderandinequality)

Scientific Inquiry (catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#scientificinquiry)

Values, Ethics, and Society (catalog.bentley.edu/undergraduate/degree-requirements/context-and-perspectives/#valuesethicsandsociety)

Total Credits	18
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Business Dynamics/Business Administration Minor (18 Credits)

Course	Title	Credits
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All courses are required:

AC 115	Introduction to Financial Reporting and Analysis	3
EC 111	Principles of Microeconomics	3
FI 118	Introduction to Finance	3
LA 100	Business Law	3
MG 116	Human Dynamics in Organizations	3
ST 113	Business Statistics	3

Total Credits	18
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Communication Intensive

All students are required to take a three-credit course designated as a Communication Intensive. This requirement can be met within a variety of course subjects in both Arts & Sciences and Business. Communication Intensive courses are designated with a "Communication Intensive"

course tag in Workday. *Transfer students with a minimum of 30 credits will be waived from the Communication Intensive requirement.*

Please note that certain majors have an additional three-credit Communication Intensive built into their major requirements, separate from the general CI requirement.

Additional Requirements

Arts and Sciences Electives (15 Credits)

Course	Title	Credits
Select five Arts & Sciences elective courses		15
Total Credits		15

Unrestricted Electives (18 Credits)

Course	Title	Credits
Select six elective courses		18
Total Credits		18

Total: 120 Credits