

## Expand Your Career Opportunities

**Become more competitive in today's job market  
with industry-focused certificates**

Each certificate requires a total of four courses (12 hours)

### DECISION DATA ANALYTICS CERTIFICATE

- ECON 3300 Introduction to Econometrics (fall semester)
- ECON 3333 Computational Economics (spring semester)
- ECON 5350 Data Intelligence Using Case Studies (spring semester) *[Taught by an Industry Executive]*
- ECON 5360 Data-Driven Strategic Insights (fall semester) *[Taught by an Industry Executive]*

### FINANCIAL ECONOMICS & TECHNOLOGY CERTIFICATE

- ECON 3333 Computational Economics (spring semester)
- ECON 4383 Financial Economics (spring semester)
- ECON 5337 (MATH 5737) Financial Mathematics (fall semester)
- ECON 5360 Data-Driven Strategic Insights (fall semester) *[Taught by an Industry Executive]*

### ENERGY ECONOMICS CERTIFICATE

Required courses (six hours):

- ECON 4440 Environmental and Natural Resource Economics (fall & spring semesters)
- ECON 4540 (MIN ENG 4524) Energy Economics (fall & spring semesters)

Select one of the following courses (three hours):

- ECON 3512 (MIN ENG 3512) Mining Industry Economics (fall semester)
- ECON 5532 (MIN ENG 5532) Advanced Mining Economics (fall semester)

Select one of the following courses (three hours):

- ENG MGT 5513 Energy and Sustainability Management Engineering (spring semester)
- ENV ENG 5642 Sustainability, Population, Energy, Water & Materials (fall & spring semesters)

# Why Earn A Quantitative Economics Minor?

For business, engineering, or science students who want to supplement their major, the quantitative economics minor is designed to prepare them to become future business and industry professionals who can apply the core economics principles and quantitative methods to articulate and make policy recommendations aligned with the current and projected economic environment. The minor provides foundational knowledge of market structure, the global business environment, data analytics, and public policies necessary for strategic corporate and government decision-making.

## QUANTITATIVE ECONOMICS MINOR

Requires a total of six courses (17-18 hours):

Required courses (12 hours):

- ECON 1100 Principles of Microeconomics (fall & spring semesters & summer term)
- ECON 1200 Principles of Macroeconomics (fall & spring semesters & summer term)
- ECON 3300 Introduction to Econometrics (fall semester)
- ECON 5350 Data Intelligence Using Case Studies or ECON 5360 Data-Driven Strategic Insights

Elective courses (five-six hours): Select two (2) courses from ENG MGT 1210, ECON 2100, 2200, or any 3000-level and above economic electives.

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## DOUBLE MAJOR - ECONOMICS AS A SECONDARY MAJOR

Requires a total of ten courses (30 hours):

Required courses (15 hours):

- Three (3) required courses in the Quantitative Economics Minor (ECON 1100, 1200, and 3300)
- ECON 2100 Intermediate Microeconomics (fall semester)
- ECON 2200 Intermediate Macroeconomics (spring semester)

Elective courses (15 hours): Select five (5) 3000-level or above economic electives. One finance, one statistics, or one programming class may be substituted for up to two elective courses.

## Get The Info You Need

If you're interested in minoring in economics or earning a secondary major in economics, our in-house student service center is here to offer personalized career development services beginning on your first day in our program. To get started now, contact Dr. Melody Lo, chair of Economics, at [melodylo@mst.edu](mailto:melodylo@mst.edu) or 573-341-4618.

