

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 credit hours)

DECISION DATA ANALYTICS CERTIFICATE

- ECON 3300 Introduction to Econometrics (fall semester)
- ECON 3333 Computational Economics (spring semester)
- ECON 5360 Data-Driven Strategic Insights (fall semester) *[Taught by an Industry Executive]*
- ECON 5380 Data Intelligence Using Case Studies (spring 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 & spring semesters)
- ECON 5360 Data-Driven Strategic Insights (fall semester) *[Taught by an Industry Executive]*

ENERGY ECONOMICS CERTIFICATE

Required two Economics courses (six credit hours):

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

Select two of the following 16 Engineering courses (six credit hours):

CHEM ENG 5325 | ELEC ENG 3540 | ELEC ENG 5150 | ELEC ENG 5510 | MIN ENG 3512 (or MIN ENG 5532) | ENG MGT 5513 | ENV ENG 5642 | MECH ENG 5541 | MECH ENG 5543 | MS&E 5230 Energy Materials | PET ENG 4531 | PET ENG 4590 | PET ENG 5050 | PET ENG 5801 | NUC ENG 4207 | NUC ENG 4281 *[See Department Website or Course Catalog for respective Course Title]*

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 credit hours):

Required courses (12 credit 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 5360 Data-Driven Strategic Insights or ECON 5380 Data Intelligence Using Case Studies

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

DOUBLE MAJOR - ECONOMICS AS A SECONDARY MAJOR

Requires a total of ten courses (30 credit hours):

Required courses (15 credit 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 credit 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.

**TO
PROCEED**

Contact Dr. Melody Lo, the chair of the Economics department, at melodylo@mst.edu or 573-341-4618 if you are interested in pursuing a secondary major in economics.

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Economics
Department
econ.mst.edu