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## Applied Economics

### Degree Requirements

The MA in applied economics can be earned with two to five semesters of additional course work beyond the BA degree. You may enroll full time or part time; the full-time load is four courses per semester. The program includes nine foundation courses, four courses in quantitative and analytical skill development, six courses (one of which may be a teaching practicum) in concentration areas, and a master's thesis/project.

If you previously completed equivalent course work at Mills or another college, up to nine courses may be applied towards the MA in applied economics degree, reducing the time needed to graduate. Program faculty will review transcripts submitted with your application to determine which courses may be transferred. You must take at least eight courses while enrolled at Mills as a graduate student and complete the master's thesis/project. For every ECON course that you take as a graduate student, please sign up for 3 credits rather than 4 credits.

#### Foundation Courses

(34 semester course credits)

CS 063 Introduction to Computer Science (4)

CS 064 Computer Concepts and Intermediate Programming (4)

ECON 081 Introduction to Statistics (3)

ECON 100 Microeconomic Theory (3)

ECON 101 Macroeconomic Theory (3)

ECON 164 Econometrics and Business Forecasting (3)

MATH 047 Calculus I (5) with workshop

MATH 048 Calculus II (5) with workshop

MATH 049 Multivariable Calculus (4) OR

MATH 004 Discrete Mathematics I (4)

#### Required courses in quantitative and analytical skill development

(16 course credits)

ECON 150/250 Strategic Behavior (3)

ECON 165/265 Applied Econometrics (3)

ECON 182/282 Modeling and Data Analysis (3)

MATH 108 Mathematical Modeling (4)

#### Concentration/Electives

(Six elective courses total)

#### Quantitative Methods

CS 124 Data Structure and Algorithms (4)

CS 186 Web Programming (4)  
DATA 060 Data Visualization (3)  
DATA 150 Introduction to Data Analysis (4)  
MATH 050 Linear Algebra (4)  
MATH 102 Probability and Statistics (4)  
MATH 127 or CS 127/227 Linear Optimization (4)  
MATH 141 Real Analysis I (4)  
MATH 142/242 Real Analysis II (4)

**International Economics**

ECON 155 International Trade (4)  
ECON 158 International Finance (4)  
ECON 159 Economic Development (4)  
ECON 161 Migration and the Economy (4)  
GOVT 132 Theories of International Relations (4)

**Industry and Government**

ECON 121 Labor Economics (4)  
ECON 130 Economics of Poverty, Inequality and  
Discrimination (3–4)  
ECON 134 Public Sector Economics (4)  
ECON 136 Managerial Economics (4)  
ECON 139 Urban Economics (4)  
ECON 142 Industrial Organization and Public Policy (4)  
GOVT 101 Organizational Theory (3)  
GOVT 102 Administrative Behavior (3)  
PPOL 227 Local and Community Policy Making, Planning,  
and Management (4)

**Environment**

BIO 002 General Biology with Lab II (4)  
BIO 125 Principles of Ecology (4)  
ECON 153 Environmental Economics (4)  
ENVS 107 Climate Change (3)  
PPOL 150/235 Environmental Policy Analysis (4)

**Finance**

ECON 113 Money and Financial Institutions (4)  
ECON 116 Corporate Finance (4)  
ECON 118 Financial Derivatives (4)  
ECON 155 International Trade (4)  
ECON 158 International Finance (4)

**Teaching Practicum**

A teaching practicum may substitute for one course in a concentration.

**Masters Thesis/Project**

All applied economics students must complete ECON 290 Master's Thesis/Project (3) while enrolled as a graduate student.