

# Economics, MS (Seattle)

The Master of Science in Economics program focuses on applied economic policy analysis, with broad specialization areas. The program is large enough to support a full slate of core and area courses each year, yet small enough to maintain a sense of community among the students. The program is especially appropriate for those who wish to work in or return to positions in government, teaching, finance, or industry while providing a rigorous basis for those who want to continue their studies to the doctoral level.

The Master of Science in Economics offers the opportunity for master's students to apply for paid work positions through Northeastern University's world-famous co-op program. Qualified and approved master's students can participate in co-op as practicing economists for up to six months as part of their academic program (note that a minimum GPA of 3.000 is required in order to apply). This paid work experience enhances the degree and its emphasis on application. Students have an opportunity to learn how to apply their knowledge, solve problems, and make a difference in the world before they graduate. Our graduates either find full-time work in their area of specialty or go on to earn additional graduate degrees. All of our graduates have found jobs after completing our program. For more information, please visit the Master of Science in Economics (<https://cssh.northeastern.edu/economics/program/ms-graduate-program/>) website.

## Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

### Core Requirements

Code	Title	Hours
<b>Quantitative</b>		
ECON 5105 or ECON 6105	Math and Statistics for Economists Advanced Mathematics and Statistics for Economists	4
ECON 5140 or ECON 6140	Applied Econometrics Advanced Applied Econometrics	4
<b>Theory</b>		
ECON 5110 or ECON 6110	Microeconomic Theory Advanced Microeconomic Theory	4
ECON 5120 or ECON 6120	Macroeconomic Theory Advanced Macroeconomic Theory	4

### Concentration in Data Science for Economics

Code	Title	Hours
CS 5200 or DAMG 6210 or IE 6700	Database Management Systems Data Management and Database Design Data Management for Analytics	4
OR 6205 or CS 5800	Deterministic Operations Research Algorithms	4
Complete 4 semester hours from the following courses:		4
CS 6966	Practicum	
CS 7140	Advanced Machine Learning	
DS 5220 or CS 6140	Supervised Machine Learning and Learning Theory Machine Learning	
DS 5230 or CS 6220	Unsupervised Machine Learning and Data Mining Data Mining Techniques	
IE 6600	Computation and Visualization for Analytics	
IE 7275	Data Mining in Engineering	

### Electives

Code	Title	Hours
Complete 4 semester hours from the following:		4
ECON 5200	Topics in Applied Economics	

Note: ECON 5200 is the primary elective offered on the Seattle campus. Consult program for current elective details.

ECON 5291	Applied Development
ECON 5292	Gender and Development Economics
ECON 7200	Topics in Applied Economics
ECON 7250	International Economic Development
ECON 7251	International Finance
ECON 7266	Economics of Government
ECON 7710	Microeconomic Theory 2
ECON 7720	Macroeconomic Theory 2
ECON 7740	Applied Econometrics 2
ECON 7763	Labor Market Analysis
ECON 7764	Topics in Labor Economics
ECON 7771	Framework of Industrial Organization
ECON 7772	Public Policy Toward Business

### Optional Co-op Experience

Code	Title	Hours
ECON 6964	Co-op Work Experience	0

### Program Credit/GPA Requirements

32 semester hours required

Minimum 3.000 GPA required