

MS IN ECONOMICS RESOURCE GUIDE

2026-2027

BOSTON • SEATTLE



N Northeastern University
**College of Social Sciences
and Humanities
Department of Economics**

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WELCOME

On behalf of the faculty and staff of the Department of Economics, we would like to welcome our new students, as well as welcome back our continuing students to the new academic year. To our continuing students, we encourage you to keep up the good work as you resume your studies. To our new students, we hope that our collegial atmosphere and small class sizes prove to be a great environment where you can learn, foster new connections, and ultimately receive your M.S. degree.

To all, we hope that you will find the information in this booklet helpful. If you need any assistance, please contact the Administrative Team (Katie Thorp, Kathleen Downey, Michelle E'toile), or the appropriate program faculty member (Associate Teaching Professor Xiaolin Shi, M.S. Graduate Program Director, Professor of Practice Florin Bidian, Coordinator of the Seattle Program). We recommend that you consult with us to plan your program and select your courses.

We wish all of you a successful academic year.

Sincerely,

Xiaolin Shi

Associate Teaching Professor
M.S. Graduate Program Director
x.shi@northeastern.edu
321 Lake Hall
617-373-3132

Florin Bidian

Professor of the Practice
Coordinator of the MS in Economics – Concentration in Data Science for Econ Program (Seattle)
f.bidian@northeastern.edu

Katie Thorp

Graduate Administration Coordinator
k.thorp@northeastern.edu
301 Lake Hall
617-373-2882

****While degree specific requirements are presented here, the official source of all degree requirements is contained in the University Graduate Catalog. Please consult the catalog <https://registrar.northeastern.edu/group/catalog/> for your entry year.***

Please note that student graduate resources as well as a digital version of this guide can be found at <https://cssh.northeastern.edu/economics/graduate-student-resources/>.

Department Administration

ADMINISTRATION

Asha Sundaram, Chair and Professor, 302 Lake Hall, 617-373-2255, a.sundaram@northeastern.edu

Michael P. Stone, Associate Chair and Teaching Professor, 302 Lake Hall, 617-373-6275,
m.stone@northeastern.edu

Michelle E'toile, Administrative Assistant, 301 Lake Hall, 617-373- 6369, k.etoile@northeastern.edu

Kathleen Downey, Program Coordinator, 301 Lake Hall, 617-373-2887, k.downey@northeastern.edu

Katie Thorp, Graduate Administration Coordinator, 301 Lake Hall, 617.373.2882, k.thorp@northeastern.edu

Our staff is available from 9 am-5 pm, Monday through Friday, in 301 Lake Hall.

GRADUATE PROGRAMS:

Mindy Marks
Associate Professor
Ph.D. Graduate Program Director
311 Lake Hall
617-373-4237
m.marks@northeastern.edu

Xiaolin Shi
Associate Teaching Professor
M.S. Graduate Program Director
321 Lake Hall
617-373-3132
x.shi@northeastern.edu

UNDERGRADUATE PROGRAM:

Gustavo Vicentini
Teaching Professor
Undergraduate Program Director
307A Lake Hall
617.373.8427
g.vicentini@northeastern.edu

ACADEMIC ADVISING

Incoming graduate students are encouraged to reach out to their program Directors who will serve as their first-year faculty advisors. Master's students are also encouraged to reach out to any of our co-op advisors to discuss co-op opportunities and to carefully read the Co-op information section of this guide.

Xiaolin Shi

Associate Teaching Professor
M.S. Graduate Program Director
x.shi@northeastern.edu
321 Lake Hall
Boston Campus
617-373-3132

Florin Bidian

Professor of the Practice
Coordinator of the MS in Economics – Concentration in Data Science for Econ Program
401 Terry Ave N, Suite 103
Seattle campus
f.bidian@northeastern.edu

Seattle Contacts

Career Services - Emily Stimac & Jennifer Ross, Career Development Advisors

e.stimac@northeastern.edu

jen.ross@northeastern.edu

Student Affairs

- **Shatera Davis**, Director of Student Affairs, shatera.davis@northeastern.edu
- **Sam Nussbaum**, Assistant Director, Student Affairs, s.nussbaum@northeastern.edu

Associate Dean, Rebecca Steffenson, b.steffenson@northeastern.edu

Wellness Coordinator - Topher Gamble, Wellness Program Specialist, c.gamble@northeastern.edu

Office of Global Services - Deborah Herlocker-Freeman, Senior International Student & Scholar Advisor, d.herlocker-freeman@northeastern.edu

Campus Operations – Kenan Aden, Operations Coordinator, k.aden@northeastern.edu

Student Ambassador- Ziyuan (Pearl) Ouyang, ouyang.ziy@northeastern.edu

CSSH Graduate Student Services Contacts

Graduate Office of Admissions and Student Services

360 Huntington Ave,
180 Renaissance Park
Boston, MA 02115
Tel: 617.373.5990
Email: gradcssh@northeastern.edu

John Bagley

Graduate Program Data Administrator
j.bagley@northeastern.edu

Melissa Bastien

Data Administrator, Graduate Programs
m.syverin@northeastern.edu

Louis DaRos

Assistant Dean of Graduate Administration and Studies
l.daros@northeastern.edu

Jun Ma

Associate Dean of Graduate Studies and Professor of Economics
ju.ma@northeastern.edu

Sarah Whittaker

Associate Director, Graduate Student Services
s.whittaker@northeastern.edu

Economics Faculty

Boston Campus

**Only one field is shown, but many faculty work across several fields of interest.*

NAME	PRIMARY FIELD*
Ilter Bakkal, Assistant Teaching Professor of Economics Ilter Bakkal's teaching and research interests are in environmental economics and microeconomics. Courses that he has taught include History of Economic Thought, Microeconomic Theory, Environmental Economics, and the Senior Seminar.	<i>Environmental Economics</i>
Santiago Caicedo, Associate Professor of Economics and Finance Santiago Caicedo's research connects microdata with economic theory to study social interactions, human capital formation, economic growth and development, innovation, and organizational economics.	<i>Macroeconomics</i>
Jianfei Cao, Assistant Professor of Economics Jianfei Cao studies applied and theoretical econometrics. His research lies in the areas of machine learning methods in economic applications, causal inference in comparative case studies, and weak identification.	<i>Econometrics</i>
James Dana, Professor of Economics and Strategy (joint appointment with DMSB) James Dana is a leading researcher in theoretical industrial organization, competitive strategy, and operations management, with emphasis on pricing under uncertainty, corporate strategies for managing demand uncertainty, and revenue management.	<i>Industrial Organization</i>
James Kurt Dew, Part-Time Lecturer Kurt Dew teaches and writes about the need for market-based innovation. He also writes about market micro-structure, distributed ledger technology, monetary policy, bank regulation, and performance of bank stocks.	<i>Monetary policy</i>
Jill Dupree, Associate Teaching Professor of Economics Jill Dupree's teaching and research interests are in the areas of International Economics, Economic Development, and Economic History. She has developed the <i>Dialogue of Civilization – Economic Development in Rwanda</i> .	<i>Economic History</i>
Christian Ellul, Assistant Teaching Professor Christian Ellul recently completed his PhD in Economics from the University of Minnesota, with research interests in macroeconomics, labor economics, and public policy. He was recognized twice as a Distinguished Teaching Assistant at Minnesota.	<i>Macroeconomics</i>

Bilge Erten, Associate Professor of Economics and International Affairs*Development
Economics*

Bilge Erten's research interests lie in Development Economics, with a focus on Gender, Health, and Education. She studies the causes and consequences of domestic violence; education, mental health, and violence against children; and globalization and women's empowerment in developing countries.

Pablo Garofalo, Visiting Lecturer*Macroeconomics*

Pablo Garofalo holds a PhD from the University of Houston and brings over 14 years of teaching experience at the undergraduate and graduate levels. He also serves as Associate Editor of the *Journal of Applied Economics*.

Frank Georges, Teaching Professor of Economics*Applied
Microeconomics*

Frank Georges has research interests in applied microeconomics, econometrics, labor economics and industrial organization. He has written about diverse topics that involve both data and theory.

Roy Gernhardt, Visting Lecturer*Development
Economics*

Roy Gernhardt's teaching emphasizes clarity, accessibility, and student agency, with a focus on helping students develop conceptual understanding and critical thinking skills.

Onsel Gulbiten, Part-Time Lecturer*Macroeconomics*

Onsel Gulbiten is an economist with over 17 years of experience in macroeconomic research, investment strategy, and policy analysis along with a strong academic foundation with teaching and research experience at the University of Chicago.

Mark Hooker, Teaching Professor in Economics*Macroeconomics*

Mark Hooker teaches courses in macroeconomics, econometrics and finance and is the faculty advisor for the NU Fed & Fiscal Challenge Teams. He served as a staff economist at the Federal Reserve Board of Governors and worked for more than a decade after that at State Street Global Advisors.

Aleksandra Jakubowski, Assistant Professor of Economics and Global Health*Health Economics/
Development
Economics*

Aleksandra Jakubowski's research spans health economics and public policy. She designs field experiments applying experimental methods to address the cross-cutting themes of equitable access to healthcare, intra-household dynamics in healthcare decisions, and quality of public health services in low-income settings.

Shantanu Khanna, Assistant Professor of Economics and Public Policy Shantanu Khanna is an applied microeconomist. His research explores issues like inequality, hiring and wage discrimination, women's empowerment, and the impacts of public policies (especially place-based policies) on firms and workers.	<i>Macroeconomics</i>
Nancy Kimelman, Assistant Teaching Professor of Economics Nancy Kimelman's expertise covers macroeconomics, banking, investment, inflation, and Federal Reserve policy. She has written for <i>Financial World</i> and <i>Bloomberg</i> and has appeared as a commentator on National Public Radio, CNBC, CNN/FN, Reuters, BBC and NECN.	<i>Labor Economics</i>
Martin Konan, Part-Time Lecturer Martin Konan has over twenty-five years of undergraduate teaching experience. He teaches a variety of introductory and advanced economics and finance courses.	<i>Microeconomics</i>
John Kwoka, Finnegan Distinguished Professor John Kwoka teaches and conducts research in the areas of industrial organization, antitrust, and regulatory economics. His co-edited book of antitrust cases, <i>The Antitrust Revolution</i> , is in its sixth edition. His most recent book, <i>Antitrust Economics in a Time of Upheaval: Recent Competition Policy Cases on Two Continents</i> , was published in August 2023.	<i>Industrial Organization</i>
Jun Ma, Professor of Economics and Associate Dean of Graduate Studies Jun Ma's primary research areas are macroeconomics and international finance, financial economics, applied time series econometrics, and the Chinese economy.	<i>Macroeconomics</i>
Mindy Marks, Associate Professor of Economics & PhD Program Director Mindy Marks' projects involve large-scale empirical evaluations that use careful statistical analysis to determine underlying causal relationships. Current research interests include the impact of occupational licensing laws on labor markets, the relationship between academic time use in college and future earnings and the impact of adverse weather events on health.	<i>Labor Economics</i>
Alicia Sasser Modestino, Professor of Economics Alicia Sasser Modestino is a professor with appointments in the School of Public Policy and the Department of Economics. She is also the Director of the Dukakis Center for Urban and Regional Policy. Her current research focuses on labor and health economics including youth development, skills mismatch, childcare, and the opioid crisis.	<i>Labor Economics</i>

Shariq Mohammed, Assistant Professor of Economics*Labor Economics*

Shariq Mohammed's research interest combines labor economics, economic history, and development economics. His current research focuses on two central and related questions: how does access to opportunities and other socio-economic outcomes differ across groups (e.g., race, gender, caste), and more importantly, what policies can help bridge this gap.

Richeng Piao, Assistant Teaching Professor*Econometrics*

Richeng Piao teaches a variety of introductory and advanced economics courses. His research applies econometric and machine learning techniques to study algorithmic pricing in digital marketplaces, with a focus on Airbnb's pricing dynamics and market behavior.

Gerald Porter, Part-Time Lecturer*Macroeconomics*

Jerry Porter is a 30+ year veteran of the financial services industry having worked as an institutional trader of options and equities as well as a capital markets expert with years of experience as a public speaker and lecturer on trading, macroeconomics and capital markets.

Nishith Prakash, Dean's Professor of Economics and Public Policy*Development
Economics*

Nishith Prakash's research revolves around empowering human capital in low-income countries. His primary research interests include development, political economy, public policy, economics of education, and behavioral economics.

Silvia Prina, Professor of Economics*Development
Economics*

Silvia Prina is a development economist interested in understanding the behavior of poor households for the purpose of discovering potential strategies to improve their lives.

Matthew B. Ross, Associate Professor, School of Public Policy & Urban Affairs and Economics*Applied
Microeconomics*

Matthew B. Ross is an applied microeconomist working at the intersection of urban, public, and labor economics. His research and public engagement seek to better inform policy and positively impact society.

Andrés Shahidinejad, Assistant Professor of Economics and Finance*Household Finance*

Andrés Shahidinejad received his Ph.D. in Economics from the University of Chicago, Booth School of Business in 2022. His primary research interests include household finance, public economics, banking and nonprofit organizations.

Xiaolin Shi, Associate Teaching Professor of Economics & M.S. Program Director *Applied Econometrics*
 Xiaolin Shi's research interests include applied econometrics, labor and demographics economics, and public policy evaluations. She has developed the Dialogue of Civilization – China's Economic Rise and Business Strategy. Professo Shi is the faculty advisor for the MSA student organization.

Mario Silva, Assistant Teaching Professor *Macroeconomics*
 Mario Silva holds a PhD from UC Irvine and a BS in Mathematics from Stanford. His research focuses on search frictions and business cycles, with an emphasis on computational methods and data literacy.

Michael P. Stone, Associate Chair and Teaching Professor of Economics *Law & Economics*
 Michael Stone's areas of specialization are law and economics, public economics, and applied microeconomics. His research has appeared in *International Review of Law and Economics* and *Contemporary Economic Policy*, among other journals.

Asha Sundaram, Chair and Professor of Economics *International Trade, Development*
 Asha Sundaram is Professor and Chair, Department of Economics. Her research on international trade and development issues has been published in top journals, in books published by Oxford University Press and in the research-based policy analysis portals such as VoxEU and VoxDev.

Timothy J. Tardiff, Part-Time Lecturer *Regulatory Economics*
 In Dr. Tardiff's distinguished career in both academia and consulting, he has participated in numerous legal and regulatory proceedings regarding telecommunications, economics, intellectual property, antitrust, and regulation issues.

Robert Triest, Professor of Economics *Labor Economics*
 An applied economist whose research focuses on labor economics and public policy, Robert Triest's recent work focuses on the intersection of economic circumstances and educational outcomes as well as the impact of long-term unemployment on household finances. Professor Triest was the Chair of the NU Department of Economics from 2018 to 2024.

Veysel Ulusoy, Part-Time Lecturer *Econometrics*
 Dr. Veysel Ulusoy is an experienced scholar in international trade, economic growth, and econometrics, with over 25 years of teaching and research experience.

Madhavi Venkatesan, Teaching Professor of Economics*Economics of
Sustainability*

Madhavi Venkatesan's academic interests include the integration of sustainability into the economics curriculum. She has been active in promoting education and stakeholder engagement to incorporate ethics into the existing economic framework and her written work has largely focused on these topics as a catalyst for promoting sustainability.

Gustavo Vicentini, Teaching Professor of Economics*Industrial Organization*

Gustavo Vicentini's areas of research interest are industrial organization and applied econometrics. Gustavo is also the Undergraduate Program Director of the Department of Economics, overseeing undergraduate curriculum development and related matters.

Shuo Zhang, Assistant Professor of Economics and Computer Science*Labor Economics*

Shuo Zhang's research interests are in labor economics, platform design and algorithmic fairness. She mainly works on the empirics of job search and matching in online labor markets, including workers' job search behaviors, employers' recruitment decisions, and the role of internet job platforms in online job matching.

Nan Zhou, Visiting Lecturer*Micro Theory*

Nan Zhou's research interests are in decision theory and financial market microstructure with a particular focus on the study of incomplete preferences.

Economics Faculty

Seattle Campus

Florin Bidian

Professor of the Practice in Economics and Coordinator of the Economics - Data Science Program

Dr. Florin Bidian is an economist with two decades of experience in academia and industry (tech and finance). Most recently, he was a Senior Economist for five years at Amazon. He taught at University of Minnesota, Macalester College and Georgia State University. He holds a PhD in Economics from the University of Minnesota as well as MS and BA in Applied Mathematics and Economics from Babes-Bolyai University.

Andy Ewing

Part-Time Lecturer

Andy Ewing is the VP of Data Science at iSpot.tv, a leading TV ad measurement company. Previously, he was an Assistant Professor of Economics at Eckerd College, where his main teaching and research interests were in labor economics and the economics of education.

Qianwei Shen

Part-Time Lecturer

Qianwei Shen is a causal economist and data scientist with expertise in time series forecasting and causal inference. He holds a PhD in Economics from Wayne State University. Dr. Shen brings extensive industry experience to the classroom, having worked as a data scientist at Netflix, TikTok, and Meta, and as a senior economist at Amazon.

University Policies, Resources, and Services

****International students should familiarize themselves with OGS, the Office of Global Services.***

<u>Academic Integrity Policy</u> As members of the academic community, students must become familiar with their rights and responsibilities.	https://osccr.sites.northeastern.edu/academic-integrity-policy/
<u>Belonging at Northeastern</u> Belonging at Northeastern centers on embracing the experiences of individuals across the global university system to maximize impact at the institutional level.	https://belonging.northeastern.edu/
<u>Center for Student Involvement</u> The mission of Northeastern University's Division of Student Life is to cultivate well-prepared global citizens, promote well-being and equip learners with the skills necessary to engage diverse communities.	https://studentlife.northeastern.edu/
<u>Disability Access Services</u> The Disability Access Services provides students with appropriate services and can advocate as needed within the wider University community.	https://disabilityaccessservices.sites.northeastern.edu/
<u>Mental Health Support Resources</u> In addition to mental health support resources available through Northeastern's <u>University Health and Counseling Services</u> , Northeastern has added <u>Find@Northeastern</u> , which is a 24/7 mental health consulting line and can be reached at 1-877-223-9477.	https://uhcs.northeastern.edu/
<u>Office of the Graduate Ombudsperson</u> Northeastern University's Ombuds for Graduate Students offers confidential, impartial, and informal assistance to graduate students who have concerns related to their university experience.	https://graduateombuds.northeastern.edu/
<u>* Office of Global Services (OGS)</u> OGS provides the professional expertise and support you need to maintain compliance through immigration, academic, and your employment experiences.	https://international.northeastern.edu/ogs/
<u>Office of Student Conduct and Conflict Resolution</u> OSCCR engages the Northeastern University community in supporting, understanding, and appreciating the standards for community behavior by promoting accountability and encouraging responsible decision-making.	https://osccr.sites.northeastern.edu/
<u>Resources for Current CSSH Graduate Students</u>	https://cssh.northeastern.edu/resources/resources-for-current-graduate-students/
<u>Resources for New CSSH Graduate Students</u>	https://cssh.northeastern.edu/resources/resources-for-new-graduate-students/
<u>Snell Library</u> offers a variety of resources for undergraduate research, including subject-specific <u>Research Guides</u> , and <u>Digital Media Commons</u> , which offers a variety of resources for multimedia projects.	https://library.northeastern.edu/

<u>Student Financial Services</u> Billings and Payments and Financial Aid information	https://studentfinance.northeastern.edu/billing-payments/
<u>Title IX Protections and Resources</u> Title IX protects individuals from sex or gender-based discrimination, including discrimination based on gender-identity, in educational programs and activities that receive federal funding. Any NU community member who has experienced such discrimination, sexual assault, relationship violence, stalking, coercion, and/or sexual harassment, is encouraged to seek help. Confidential support and guidance can be found through University Health and Counseling Services, the Northeastern Center for Spirituality, Dialogue, and Service, and the Office of Prevention and Education at Northeastern (OPEN). Note that faculty members are considered "responsible employees" at Northeastern University, meaning they are required to report all allegations of sex or gender-based discrimination to the Title IX Coordinator.	https://www.northeastern.edu/ouec/
<u>The Office for University Equity and Compliance (OUEC)</u>, leads efforts to maintain the University's compliance with all federal, state, and local laws pertaining to anti-discrimination, the Americans with Disabilities Act, and Title IX.	https://www.northeastern.edu/ouec/about/
<u>University Health and Counseling Services</u> UHCS offers support, information, and response to Mental and Medical Health concerns.	https://www.northeastern.edu/uhrs/
<u>University Policies</u> All university-wide policies, except for campus-specific policies, can be found on this university policy webpage. Compliance with university policies is a condition of employment and enrollment at the university.	https://policies.northeastern.edu/
<u>WeCare</u> WeCare offers support for students during times of difficulty or challenge. You can find WeCare at 226 Curry Student center Monday - Friday from 8:30-5:00, call at 617-373-7591, or email wecare@northeastern.edu	https://studentlife.northeastern.edu/wecare/
<u>Northeastern University Writing Center</u> offers free and friendly tutoring for any level of writer, including help with conceptualizing writing projects, the writing process, and using sources effectively.	To make an appointment, or learn more about the Writing Center, visit https://cssh.northeastern.edu/writingcenter/ or email WritingCenter@northeastern.edu.

Economics Graduate Student Organizations and Workshops

The student experience at Northeastern is more than the department's academic programs. It includes the opportunity to participate in a variety of student organizations in which students get to know their peers and faculty outside the classroom and often can develop lifetime friendships and networking opportunities. The organizations often involve the integration of what the students have learned in the classroom with the real world outside of Northeastern.

Master's Student Association (student- run)

The Economics Master's Student Association is a career and network development focused organization. Events and lunch meetings (such as information sessions, forums, and professor panels) will be scheduled periodically with a focus on developing career plans while in the program and upon graduation.

More information can be found on the associations' website at <https://cssh.northeastern.edu/economics/msa/>

Seattle Student organizations

Additionally, we encourage our Seattle students to visit <https://studentlifeseattle.sites.northeastern.edu> for information about clubs, events, workshops, student life, etc.

Ph.D. Economics Workshops

The key idea behind the Ph.D. Workshops is to help Ph.D. students as much as possible to move forward on their dissertation, to learn from each other, and from faculty, and to nurture their presentation skills. Ph.D. students in their 3rd year or higher are required to present once a semester. M.S. students are welcome to attend.

During the academic year, each workshop typically meets **Wednesdays** from 12-1:15pm in 316 Lake Hall. The workshops are open to all economics graduate students and faculty. For the most up-to-date schedule, visit <https://cssh.northeastern.edu/economics/phd-workshops/>.

If you have questions, please contact Professor Mindy Marks at m.marks@northeastern.edu.

Master of Science in Economics

The Master of Science (M. S.) program is designed to serve the need for a graduate degree for professional economists, government officials, and economic consultants, and to lay the groundwork for students who wish to pursue the Ph.D. degree. Approximately thirty students enter the program each year. Students are required to complete at least thirty-two semester hours of academic work, of which sixteen semester hours constitute core courses. Part-time (<8 SH) as well as full-time enrollment is possible.

The M.S. degree is designed to provide a solid foundation in economic theory and quantitative methods (core courses), while providing an opportunity for students to apply the tools of economic analysis to various policy areas. The focus of the program is on application and practice. Development of presentation skills and ability to produce project-oriented writing assignments are essential to the program and are emphasized in the elective (application) courses. Core theory courses also incorporate application of theory and/or methods. The option to include co-op training (paid work for 6 months) into the program enhances the practice orientation of the degree.

The M.S. degree is **STEM** certified covering a curriculum based on the idea of educating students in four specific disciplines — science, technology, engineering, and mathematics— in an interdisciplinary and applied approach.

IPEDS classification: Detail for CIP code 45.0603 Title: Econometrics and Quantitative Economics

Please note that “Econometrics and Quantitative Economics” is the IPEDS classification for the M.S. degree program, not the title of your degree program.

IPEDS is the acronym for Integrated Postsecondary Education Data System. For more information, on IPEDS, please visit <https://provost.northeastern.edu/uds/news/what-is-ipeds/>.

M.S. Degree Requirements

The M.S. program requirements are 8 courses (32 semester hours of credit), including four core courses and four elective courses. Students typically complete the program in three or four semesters.

Current and prospective students should refer to the Graduate Catalog at <https://catalog.northeastern.edu/graduate/> for a description of the Master of Science in Economics curriculum.

Course offerings with detailed descriptions can be found at: <https://catalog.northeastern.edu/graduate/social-sciences-humanities/economics/#coursestext>.

Course Scheduling

To view the class schedule for the current semester, visit <https://registrar.northeastern.edu/article/schedule-of-classes/>

CORE REQUIREMENTS

*Advanced 6000-level core courses, offered on the Boston campus, provide a rigorous foundation for those who have taken intermediate level core courses and/or wish to pursue a Ph.D. in future, and are open to all Master's students.

Quantitative		SH
ECON 5105 or 6105 (Advanced)	Math and Statistics for Economics	4
ECON 5140 or 6140 (Advanced)	Applied Econometrics	4
Theory		
ECON 5110 or 6110 (Advanced)	Microeconomic Theory	4
ECON 5120 or 6120 (Advanced)	Macroeconomic Theory	4
ELECTIVES		
ECON 5200 to ECON 7772		16

*With prior approval from the MS Graduate Director, the following courses may substitute for electives: Thesis (ECON 7990) or Internship In Economics (ECON 8550). Additionally, a student may select, with approval by the MS Graduate Director, a maximum of eight graduate semester hours offered by other departments.

M.S. students interested in pursuing a Ph. D. degree: All M.S. students who may be interested in pursuing a doctoral degree in the future are strongly encouraged to follow the M.S. Advanced Core course plan.

Concentration in Data Science for Economics

The *Data Science Concentration in partnership with Khoury College of Computer Science* allows students to gain a foundation in economics and also hone their computational modeling and programming skills. The concentration may be taken *in place of* the elective section above. **Seattle students are required to complete the concentration.**

Seattle Campus

Required Courses

- CS 5200 *Database Management Systems*
or DAMG 6210 *Data Management and Database Design*
or IE 6700 *Data Management for Analytics*
- OR 6205 *Deterministic Operations Research*
or CS 5800 *Algorithms*
or IE 6400 *Foundations for Data Analytics Engineering*
or CS 5130 *Applied Programming and Data Processing for AI*
or CS 5180 *Reinforcement Learning and Sequential Decision Making *

Complete 4 semester hours from the following courses:

- CS 6140 *Machine Learning*
or EECE 5644 *Introduction to Machine Learning and Pattern Recognition*
- CS 6220 *Data Mining Techniques*
- IE 6600 *Computation and Visualization for Analytics*
- IE 7275 *Machine Learning and Data Analytics*

Economics Elective

Choose one: ECON 5200 *Computational Finance*

Boston Campus

Required Courses

- CS 5200 *Database Management Systems*
or DAMG 6210 *Data Management and Database Design*
or IE 6700 *Data Management for Analytics*
- OR 6205 *Deterministic Operations Research*
or CS 5800 *Algorithms* (requires academic advisor's approval)
or IE 6400 *Foundations for Data Analytics Engineering*
or CS 5130 *Applied Programming and Data Processing for AI*
or CS 5180 *Reinforcement Learning and Sequential Decision Making*

Complete 4 semester hours from the following:

- ECON 5210 *Machine Learning in Economics*
- ECON 5220 *Computational Finance and Financial Econometrics*
- CS 6140 *Machine Learning*
or EECE 5644 *Introduction to Machine Learning and Pattern Recognition*
- CS 6220 *Data Mining Techniques*
- IE 6600 *Computation and Visualization for Analytics*
- IE 7275 *Machine Learning and Data Analytics*

Economics Elective

Complete 4 semester hours from the following range:

ECON 5200 to ECON 7772

Electives Option: With prior approval from the graduate program director, the following courses may substitute for electives: Thesis ([ECON 7990](#)) or Internship In Economics ([ECON 8550](#)).

Additionally, a student may select a maximum of 8 graduate semester hours offered by other departments. Master's students are permitted to take two graduate courses outside of the economics department during their program. They also may, if they have satisfied the prerequisites and have gotten permission from the instructor, choose one or more courses designated for doctoral students.

Course Sequences

There are different possible course sequences for students enrolled in the M.S. program. Students can choose their course sequence depending on their needs and course availability. To be considered a full-time student, however students must take at least eight (8) semester hours (two economics courses) per semester.

Possible course sequences for the current academic year (2026-2027) are given below. One sequence applies to students who want to graduate in three semesters. The other sequence applies to students who prefer to graduate in four semesters.

For illustrative purposes, the following are sample course sequences, which may vary based on course availability.

SAMPLE THREE-SEMESTER PLAN

M.S.- REGULAR	FALL 2026	SPRING 2027	FALL 2027
	ECON 5105 ECON 5110 ECON 5120	ECON 5140 ELECTIVE ELECTIVE	ELECTIVE ELECTIVE
M.S.- ADVANCED CORE*	FALL 2026	SPRING 2027	FALL 2027
	ECON 6105 ECON 6110 ELECTIVE	ECON 6140 ELECTIVE ELECTIVE	ECON 6120 ELECTIVE

SAMPLE FOUR-SEMESTER PLAN

M.S.- REGULAR	FALL 2026	SPRING 2027	FALL 2027	SPRING 2028
	ECON 5105 ECON 5110	ECON 5140 ELECTIVE	ECON 5120 ELECTIVE	ELECTIVE ELECTIVE
M.S.- ADVANCED CORE*	FALL 2026	SPRING 2027	FALL 2027	SPRING 2028
	ECON 6105 ECON 6110	ECON 6140 ELECTIVE	ECON 6120 ELECTIVE	ELECTIVE ELECTIVE

SAMPLE THREE-SEMESTER PLAN EXTENDED TO INCLUDE CO-OP

M.S.- REGULAR	FALL 2026	SPRING 2027	FALL 2027	SPRING 2028
	ECON 5105 ECON 5110 ECON 5120	ECON 5140 ELECTIVE ELECTIVE	CO-OP Jul-Dec OR ELECTIVE	CO-OP Jan-Jun AND ELECTIVE (in Summer B/Fall) OR Any remaining electives
M.S.- ADVANCED CORE*	FALL 2026	SPRING 2027	FALL 2027	SPRING 2028
	ECON 6105 ECON 6110 ELECTIVE	ECON 6140 ECON 5120 (or elective) ELECTIVE	CO-OP Jul-Dec OR ELECTIVE (or ECON 6120)	CO-OP Jan-Jun AND ELECTIVE (in Summer B/Fall) OR Any remaining electives

***Advanced applies only to the core classes, not electives. Students may choose to take any of the core classes at the advanced level, but those planning to pursue further study in economics are strongly advised to take the advanced core classes. All core courses must be complete before starting Co-op.**

Note that as of 2026-2027, the advanced core is only available in Boston. Concentration in Data Science for Economics courses are to be taken in elective course slots. Also, ECON 5200 is currently the only economics elective available on the Seattle campus.

Some courses are offered every semester/year; others are offered every other semester/year. Please visit the Registrar's website at <https://registrar.northeastern.edu/article/schedule-of-classes/> to determine what courses are available.

MS Co-op Option

Northeastern University's academic programs are widely known for incorporating experiential learning experiences with academic training. The Department of Economics offers a Graduate Cooperative Education option in its Master of Science in Economics program. This exciting program option allows qualified students to enhance their practice-oriented graduate education in Economics with actual work experience.

To be eligible for the co-op program, MS-ECON must meet the following requirements:

- Maintenance of a minimum cumulative grade point average of 3.0
- Completion of Co-op Preparatory Course (EESH 6000) and a passing grade or approved equivalent
- Minimum of one academic requirement or course remaining in degree program following completion of final co-op experience. For Spring/Summer co-ops that end in Summer A, the final requirement (s) may be completed in Summer B.
- International students must maintain on-ground presence for the entirety of their final term, including applicable EXED course enrollment if in a remote co-op and on-ground course registration.
- Completion of a minimum 16 semester hours prior to the start of the Co-op Work term
- Resolution of academic probation issues or have cooperative education coordinator/advisor approve a plan to resolve these issues prior to applying for co-op jobs.
- Enrollment in a full-time degree seeking program (not certificate)
- International students must attend one academic year, or its equivalent, and obtain proper authorization from the Office of Global Services before engaging in co-op.

Quick Facts

- While on co-op, students maintain their status as a full-time student, which includes continued health insurance and access to NU facilities.
- Co-op extends time-to-degree by 6 months. You must have 1-2 required courses left, after you complete your Co-op
- CSSH Master's co-op requires that students commit to full-time employment for 6 months. The two co-op cycles run from January-June or July-December, though most students are eligible for the July cycle.
- Students prepare for co-op beginning early in the semester **before** they plan to go on co-op (in **September** for spring/summer 1 co-ops and in **January** for summer 2/fall co-ops). Professional Development for Co-op, EESH 6000, is required for all Master's students, prior to going out on Co-op. It is offered virtually during the Fall and Spring semesters.
- Students seeking to enroll in coursework during co-op must obtain appropriate college permission before enrollment. Approved coursework must be taken outside of standard employment hours.

Required Coursework (while on Co-op)

- Registration for the Co-op Work Experience course is automatic once your position is approved in the system. It occurs a few weeks prior to the start of the term. This course triggers full-time academic status.
- Co-op work experience (INSH 6964) is graded on a pass/fail basis by the co-op coordinator for 0 credit hours.

Timeline and Checklist

- Contact your *graduate administrative coordinator* to determine when and/how Co-op fits within your curriculum.
- Be in good academic standing at the time when you apply for a co-op position with a 3.00 GPA or higher. Students on academic probation or a leave of absence are not eligible to search
- Complete the Intent to Search form by the assigned deadline
- Enroll in EESH 6000, the semester *before* you want to go on Co-op
- Remember your job search begins the semester **BEFORE** you plan to go out.
 - 🕒 Spring Co-op cycle: Often students start their Master's program in January. Search cycle: September-December. Co-op work term: January-June
 - 🕒 Fall Co-ops: Students typically start Master's program in September. Search cycle runs January-June. Co-op Work Term: July-December
- Once assigned, schedule a meeting with your co-op coordinator to review your resume and interests using Navigate
- Be approved by your co-op coordinator to begin searching job postings on NUworks, the Co-op database
- Meet all deadlines set by your co-op coordinator.

Timing for Co-op

1. Are you interested in going on Co-op in July? Enroll in EESH 6000 in the Spring.
2. If you're interested in going on Co-op in January, take EESH 6000 in the Fall. You must have a 3.00 GPA to enroll in the course and be eligible for a job search
3. International students can participate in co-op as curricular practical training (CPT for F1 students) or academic training (AT for J1 students), but may do so only after completing their first full academic year. **This means F1/J1 candidates are only eligible to work in their second year of the program. The process for applying for CPT and a Social Security number does not begin until *after* students have accepted a Co-op. This will be outlined on SharePoint and by your Co-op Coordinator.**
4. Students cannot go on co-op once they have completed all their required graduate courses. They must have a curricular requirement left in order to go on co-op.

Process

1. Students confirm academic/Co-op plan with their Grad Program Administrator or Co-op Coordinator, 6 months prior to the start of the work term
2. Students will be prompted to submit their Intent to Search form by a specific deadline which includes a Professional Standards document Students must attend the mandatory meeting as announced by CSSHCo-op@northeastern.edu
3. After the Intent deadline has passed, students will be assigned a Co-op Coordinator. They will then use the Navigate advisor calendar to schedule an appointment with their Coordinator to review their resume and goals for co-op.
4. Students are released to begin searching and applying to job postings on NUworks once they meet with their Co-op Coordinator and submit an employer-ready resume.
5. Students apply to jobs based on qualifications and interest. Employers then select candidates to interview and hire based on the skills and qualifications necessary for the job. The process is competitive so students must work with their Co-op Coordinator to determine how to best present themselves as a candidate and select jobs based on their previous experience and skills.
6. **Once a student verbally or electronically accepts a position, they cannot renege on the offer and must commit to working the full 6-month co-op for the employer. Violations of this policy are subject to OSCCR reporting and loss of Co-op eligibility**

Current and previous Co-ops held by MS-Econ students:

- **City of Boston**, Evaluation and Research Fellow
- **Parametric Portfolio Associates**, Technology Process Analyst
- **Hannaford**, Pricing Analyst
- **Cardea Health Group**, Quality Assurance and Program Development
- **MIT Open Learning**, Intellectual Property and Program Assistant
- **Lightcast**, Research Analyst

Contacts

MS in Economics Graduate Program	Co-op Coordinator, 180 RP
Xiaolin Shi, M.S. Graduate Program Director x.shi@northeastern.edu Katie Thorp, Grad Admin Coordinator k.thorp@northeastern.edu	Johanna Schnitz, Assistant Co-op Coordinator j.schnitz@northeastern.edu

Graduate Ombuds Office

The Graduate Ombuds Office offers confidential, impartial, and informal assistance to graduate students who have concerns related to their university experience.

The office was established to provide a safe place for graduate students to speak off the record about their concerns and to identify options for resolving conflicts informally.

The Graduate Ombuds Office operates in accordance with the IOA's Standards of Practice and Code of Ethics.

Potential Topics for Discussion:

- Interpersonal conflicts or disputes
- Preparing for a challenging conversation
- Barriers to academic or research progression
- Institutional delays or unresponsiveness
- Grade or transcript disputes
- Bullying or harassment
- Disrespectful or inappropriate behavior
- Untangling a complicated situation
- Potential conflicts of interest
- Available campus resources

Graduate Ombudsperson: **Kimberly Wong**

To schedule an appointment: ki.wong@northeastern.edu

graduateombuds@northeastern.edu

617-373-6904

cell: 617-545-7989

Ombuds website: <https://graduateombuds.northeastern.edu/about/>

Northeastern University
**College of Social Sciences
and Humanities**
Department of Economics

Boston campus:
360 Huntington Avenue
301 Lake Hall
Boston, MA 02115-5000

Seattle campus:
401 Terry Ave N, Suite 103
Seattle, WA 98109



617.373.2882
gradecon@northeastern.edu
cssh.northeastern.edu/economics/

