

# MASTER OF SCIENCE IN ECONOMICS

## COLLEGE OF BUSINESS ADMINISTRATION

### VISION STATEMENT

The science of economics creates a deep understanding of individual behavior, firm dynamics, markets, and some of the world's most interesting and challenging problems. Economics is a way of thinking that provides generalized tools to the practitioner to solve business, social, political and many other issues faced by the modern organization.

Our graduate program in economics is designed to provide a solid background in theory, quantitative methods, and other applied skills appropriate to the needs of economists involved in the analysis of domestic and international business and economic conditions, financial analysis, policy analysis, forecasting, simulation, and related work. In addition, the program prepares students for further graduate work in economics and related fields.

#### Program-Specific Requirements:

- Junior/Senior GPA of at least 2.85 (on a 4.0 point scale)
- TOEFL score for international applicants
- Student must have completed courses equivalent to the following five foundation courses (UNO undergraduate courses):
  - ECON 2200 (Principles of Economics: Micro);
  - ECON 2220 (Principles of Economics: Macro);
  - ECON 3200 (Economic Theory: Micro, or Intermediate Micro);
  - ECON 3220 (Economics Theory: Macro, or Intermediate Macro);
  - BSAD 2130 (Principles of Business Statistics).
- Applicants meeting the minimum GPA and language requirement but lacking some foundation courses will be granted provisional admission status until all foundation courses are completed with grades of "B" (3.0 on a 4.0 point scale) or above.

#### LEARN MORE

##### DEPARTMENT OF ECONOMICS

Mammel Hall 332

6708 Pine Street  
Omaha, Nebraska  
68182

Phone: 402.554.2803  
Fax: 402.554.2853  
[cba.unomaha.edu/economics](http://cba.unomaha.edu/economics)

DR. CATHERINE YAP CO  
Graduate Program Chair (GPC)  
Mammel Hall 332R

Email: [cco@unomaha.edu](mailto:cco@unomaha.edu)  
Phone: 402.554.2805

#### APPLICATION DEADLINES

##### Fall:

June 1 for international applicants;  
July 15 for all other applicants

##### Spring:

November 1 for international applicants;  
December 1 for all other applicants

##### Summer:

March 1 for international applicants;  
April 15 for all other applicants



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graduate](http://unomaha.edu/graduate)



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# CONCENTRATIONS

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## Business Economics

A concentration in Business Economics couples foundational economics training with the ability to apply that knowledge in a business setting using tools taught throughout the College of Business Administration. This concentration is extremely flexible, allowing students to customize their concentration to their business field interests.

## Econometrics and Data Analytics

Students learn advanced skills in data collection, cleaning, visualization, and econometrics. This will prepare students for careers utilizing unique data sets and economic reasoning to answer difficult questions. Students completing this concentration will be well prepared for careers in data science and data analysis, as well as for careers in applied econometrics or economic consulting.

## Growth and Innovation Economics

The courses in this concentration help students understand the causes of growth, with a special emphasis on innovation. Some attention will be given to the public policies and business practices that encourage growth and innovation. The concentration should especially appeal to students with interests in public policy, entrepreneurship and economic development.

## International Economics

Students will acquire an in-depth and critical understanding of global markets, migration, multinational enterprise operations, international lending, trade and financial integration, foreign exchange, and sustainable development policies. This concentration prepares students for careers with global dimensions in industry, financial institutions, government, not-for-profits, international agencies, and multilateral institutions.

## Monetary and Financial Economics

The most immediate goal in this concentration is for students to synthesize the course material to understand the workings of a market economy and the internationalization of the U.S. economy. During the course, bank behavior will also be examined. Items such as balance sheet activities, interest margin and asset-liability matching will be studied.

## Ph.D. Preparatory

Students will thoroughly understand advanced theories in Microeconomics and Macroeconomics, learn mathematical economics and quantitative applications in business and economics, and master econometric theory and statistical applications. This provides a solid foundation for students furthering studies at the Ph.D. level.

## Public Policy Economics

This concentration exposes students to economic approaches to analyzing existing and proposed government programs and regulations. Courses will teach students how to critically evaluate arguments for and against particular government actions. This coursework will enable graduates to compete successfully for positions in government, public policy research firms, and other organizations, as well as for admission into leading graduate programs in public policy. It will also appeal to students interested in pursuing a career in law.

## Trade and Global Value Chains

'Made in the World' characterizes more and more products. Low transport costs and improved information and communications technology make this possible. Companies take advantage of areas' comparative advantages when organizing their operations including research and development, production, marketing, and post-sales service. This concentration provides solid training in international trade theory, practice, and policy, and global value chain management.

## DEGREE REQUIREMENTS (36 TOTAL HOURS)

### Required Core Courses (12-15 hours)

### Electives and Concentrations (21-24 hours)

Elective coursework will be selected in consultation with the Graduate Program Chair and Advisor. At least 6 hours must be graduate only courses. Students are strongly encouraged to complete an area of concentration which requires 9 hours of elective courses.

## LEARN MORE

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March 1 for international applicants;  
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The University of Nebraska at Omaha shall not discriminate based upon age, race, ethnicity, color, national origin, gender-identity, sex, pregnancy, disability, sexual orientation, genetic information, veteran's status, marital status, religion, or political affiliation.

**MASTER OF ECONOMICS**  
**University of Nebraska at Omaha**

**FULL LIST OF APPROVED ELECTIVES**

Elective coursework will be selected in consultation with the Graduate Program Chair and Advisor. At least 6 hours must be graduate only courses (courses ending in zero, 8xx0). Electives may be chosen from Economics as well as courses in other departments as listed below. Students are strongly encouraged to complete an area of concentration which requires 9 hours of elective courses. Students' area(s) of concentration will appear in the transcript. Not all elective courses are offered each semester. Detailed course descriptions are included in the UNO Graduate Catalog, which is available online at <http://registrar.unomaha.edu/courses/index.php> [Students are responsible for determining if he/she has the necessary prerequisites to take each class.]

**Economics Electives:**

ECON 8010 Seminar in Public Finance  
ECON 8020 Environmental Economics and Management

ECON 8050 Economic Education  
ECON 8210 Managerial Economics  
ECON 8230 Business Conditions Analysis  
ECON 8310 Business Forecasting  
ECON 8320 Tools for Data Analysis  
ECON 8330 Data Analysis from Scratch  
ECON 8600 Health Economics  
ECON 8910 Special Studies in Economics  
ECON 8920 Independent Study  
ECON 8930 Independent Study  
ECON 8940 Economic Internship

ECON 8216/4210 Industrial Organization  
ECON 8326/4320 Natural Resource Economics  
ECON 8346/4340 Economics of Technology  
ECON 8456/4450 Monetary Theory and Policy  
ECON 8616/4610 International Trade  
ECON 8626/4620 International Monetary Economics  
ECON 8666/4660 International Economic Development  
ECON 8736/4730 Economics of Entrepreneurship  
ECON 8856/4850 Economics of Urban and Regional Development  
ECON 8916/4910 Special Topics in Economics

**Accounting Electives:**

ACCT 8210 Financial Accounting Theory  
ACCT 8220 Graduate Topics in Income Taxation  
ACCT 8260 Federal Tax Research and Planning  
ACCT 8910 Special Topics in Accounting

ACCT 8016/4010 Advanced Financial Accounting  
ACCT 8036 Tax Issues for Decision-Making  
ACCT 8046/4040 Advanced Federal Income Taxation  
ACCT 8066/4060 Advanced Managerial Accounting

**Business Administration Electives:**

\*BSAD 8000 Business Ethics: Achieving Social Responsibility  
BSAD 8020 Environmental Economics and Management  
\*BSAD 8040 Business and Information Technology: Connecting People and Information  
BSAD 8080 Business Forecasting  
BSAD 8100 Managerial Economics

\*BSAD 8210 Accounting: Decisions & Consequences  
\*BSAD 8250 Organizational Behavior: Enhancing Human & Organizational Capabilities  
BSAD 8300 Organization Theory and Design  
BSAD 8320 Seminar in Human Resource Management  
BSAD 8350 Seminar in Management  
BSAD 8356/SCMT 4350 Global Sourcing and Innovation  
\*BSAD 8420 Marketing: Understanding Consumers & Markets  
BSAD 8430 Strategic Brand Management  
BSAD 8450 Seminar in Marketing  
BSAD 8510 Security Analysis  
BSAD 8520 Seminar in Investment Management  
BSAD 8530 Banking and Financial Markets: Structure, Function & Policy  
BSAD 8540 Multinational Financial Management  
BSAD 8550 Seminar in Finance  
BSAD 8600 Real Estate and Land Use Economic Theory  
BSAD 8610 Current Problems in Real Estate and Land Use Economics  
BSAD 8620 Valuation of Intellectual Property  
\*BSAD 8630 Finance: Understanding Capital and Cash  
BSAD 8710 Supply Chain Management  
BSAD 8736 Economics of Entrepreneurship  
BSAD 8810 Applied Strategic Leadership  
BSAD 8910 Special Topics in Business

BSAD 8366/MKT 4360 E-Marketing  
BSAD 8426/MKT 4420 Business Demographics  
BSAD 8596/FNBK 4590 Risk Management for Business Managers  
BSAD 8606/FNBK 4600 Financial Risk Management  
BSAD 8916/ECON 8916 Special Topics in Economics

\*2-credit course

**Political Science Elective:**

PSCI 8100 Seminar in Political Economy

**Public Administration Elective:**

PA 8300 Policy Design and Implementation  
PA 8826/GEOG 8826 Introduction to Environmental Law & Regulations

**Information Systems Electives:**

ISQA 8160 Applied Distribution Free Statistics  
ISQA 8180 Electronic Commerce

ISQA 8410 Database Management  
ISQA 8700 Data Warehousing: Theory and Practice  
ISQA 9120 Applied Experimental Design and Analysis  
ISQA 8206/ISQA 4200 Information and Data Quality Management  
ISQA 8736/ISQA 4730 Decision Support Systems

**Mathematics Electives:**

MATH 8250 Partial Differential Equations  
MATH 8450 Calculus of Variations  
MATH 8500 Numerical Analysis I  
MATH 8510 Numerical Analysis II  
MATH 8520 Advanced Topics in Operations Research  
MATH 8650 Introduction to Probability Models  
MATH 8670 Topics in Probability and Statistics

MATH 8056/MATH 4050 Linear Algebra  
MATH 8235/MATH 3230 Introduction to Analysis  
MATH 8236/MATH 4230 Mathematical Analysis I

MATH 8246/MATH 4240 Mathematical Analysis II  
MATH 8306/MATH 4300 Deterministic Operations Research Models  
MATH 8316/MATH 4310 Probabilistic Operations Research Models  
MATH 8336/MATH 4330 Introduction to Partial Differential Equations  
MATH 8356/MATH 4350 Ordinary Differential Equations  
MATH 8616/MATH 4610 Elementary Topology  
MATH 8746/MATH 4740 Introduction to Probability and Statistics I  
MATH 8756/MATH 4750 Introduction to Probability and Statistics II  
MATH 8766/MATH 4760 Topics in Modeling

**Statistics Electives:**

STAT 8426/4420 Exploratory Data Visualization and Quantification  
STAT 8446/4440 Time Series Analysis

**Master's of Economics Concentrations are listed on the next page**

## **FULL LIST OF MASTER'S OF ECONOMICS CONCENTRATIONS**

The Economics Graduate Program offers concentrations in the areas listed below. A concentration shall include at least nine (9) credit hours.

### **Business Economics:**

(select 3 courses from below)

ECON 8020/BSAD 8020 Environmental Economics and Management  
ECON 8210/BSAD 8100 Managerial Economics  
ECON 8216/ECON 4210 Industrial Organization  
ECON 8230 Business Conditions Analysis  
ECON 8310/BSAD 8080 Business Forecasting  
ECON 8346/ECON 4340 Economics of Technology  
ECON 8456/ECON 4450 Monetary Theory and Policy  
ECON 8616/ECON 4610 International Trade  
ECON 8626/ECON 4620 International Monetary Economics  
ECON 8736/ECON 4730/BSAD 8736 Economics of Entrepreneurship  
ECON 8940 Economic Internship

### **Econometrics and Data Analytics:**

(required courses)

ECON 8320 Tools for Data Analysis  
ECON 8310/BSAD 8080 Business Forecasting

(select 1 course from below)

ECON 8330 Data Analysis from Scratch  
ISQA 8206/ISQA 4200 Information and Data Quality Management  
ISQA 8410 Database Management  
MATH 8235/MATH 3230 Introduction to Analysis  
STAT 8426/STAT 4420 Exploratory Data Visualization and Quantification  
STAT 8446/STAT 4440 Time Series Analysis

### **Growth and Innovation Economics:**

(select 3 courses from below)

ECON 8216/ECON 4210 Industrial Organization  
ECON 8346/ECON 4340 Economics of Technology  
ECON 8666/ECON 4660 International Economic Development  
ECON 8736/ECON 4730/BSAD 8736 Economics of Entrepreneurship  
BSAD 8356/SCMT 4350 Global Sourcing and Innovation

### **International Economics:**

(select 3 courses from below)

ECON 8616/ECON 4610 International Trade  
ECON 8626/ECON 4620 International Monetary Economics  
ECON 8666/ECON 4660 International Economic Development  
BSAD 8356/SCMT 4350 Global Sourcing and Innovation  
BSAD 8540 Multinational Financial Management

### **Monetary and Financial Economics:**

(select 3 courses from below)

ECON 8010 Seminar in Public Finance  
ECON 8626/ECON 4620 International Monetary Economics  
ECON 8456/ECON 4450 Monetary Theory and Policy  
BSAD 8530 Banking and Financial Markets: Structure, Function & Policy

### **Ph.D. Preparatory:**

(select 3 courses from below)

ECON 8010 Seminar in Public Finance  
ECON 8020/BSAD 8020 Environmental Economics and Management  
ECON 8216/ECON 4210 Industrial Organization  
ECON 8310/BSAD 8080 Business Forecasting  
ECON 8346/ECON 4340 Economics of Technology  
ECON 8456/ECON 4450 Monetary Theory and Policy  
ECON 8600 Health Economics  
ECON 8616/ECON 4610 International Trade  
ECON 8626/ECON 4620 International Monetary Economics  
ECON 8736/ECON 4730/BSAD 8736 Economics of Entrepreneurship  
MATH 8056/MATH 4050 Linear Algebra  
MATH 8235/MATH 3230 Introduction to Analysis  
MATH 8236/MATH 4230 Mathematical Analysis I  
MATH 8746/MATH 4740 Introduction to Probability and Statistics I

### **Public Policy Economics:**

(select 3 courses from below)

ECON 8010 Seminar: Public Finance  
ECON 8020/BSAD 8020 Environmental Economics and Management  
ECON 8210/BSAD 8100 Managerial Economics  
ECON 8216/ECON 4210 Industrial Organization  
ECON 8230 Business Conditions Analysis  
ECON 8326/ECON 4320 Natural Resource Economics  
ECON 8346/ECON 4340 Economics of Technology  
ECON 8456/ECON 4450 Monetary Theory and Policy  
ECON 8600 Health Economics  
ECON 8736/ECON 4730/BSAD 8736 Economics of Entrepreneurship  
ECON 8856/ECON 4850 Economics of Urban and Regional Development  
PA 8300 Policy Design and Implementation

**continued**

## **Trade and Global Value Chains:**

(required courses)

ECON 8616/ECON 4610 International Trade  
BSAD 8710 Supply Chain Management

(select 1 course from below)

ECON 8216/ECON 4210 Industrial Organization  
ECON 8230 Business Conditions Analysis  
ECON 8310/BSAD 8080 Business Forecasting  
BSAD 8356/SCMT 4350 Global Sourcing and  
Innovation