ECONOMICS

Major:

• Bachelor of Arts, Economics (p. 1)

Minor:

• Economics (p. 2)

In cooperation with the Department of Economics and Finance in the School of Business Administration, the College of Arts and Sciences offers the degree of Bachelor of Arts with a major in economics.

The field of economics covers topics ranging from making sound business decisions to tackling some of society's most challenging social issues. Economics students learn to think critically about how choices are made in the presence of scarcity. An undergraduate education in economics enables individuals to better understand and help resolve problems in today's business and society.

The major in economics requires 30 semester hours of courses in economics: ECO 203, ECO 204, ECO 346, ECO 347, ECO 410 or ECO 441, ECO 490, and four elective courses in economics.

A minor in economics is also available, requiring 18 semester hours of courses in economics: ECO 203, ECO 204, ECO 346, ECO 347, and two elective courses in economics.

Information on a specialized degree, applied mathematical economics (MTE), is offered by the Department of Mathematics.

Faculty
Tony Caporale, Chairperson
Edmund B. O'Leary Chair in Economics: John Ruggiero
Professors: Caporale, Ruggiero
Associate Professors: Collier, Poitras
Assistant Professors: Duggan, Haskell, J. Wang, Williams
Lecturer: John

Bachelor of Arts, Economics (ECO)
minimum 124 hours

Common Academic Program (CAP) ¹

First-Year Humanities Commons ²

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HST 103</td>
<td>The West &amp; the World</td>
<td>12 cr. hrs.</td>
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<tr>
<td>REL 103</td>
<td>Introduction to Religious and Theological Studies</td>
<td></td>
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<tr>
<td>PHL 103</td>
<td>Introduction to Philosophy</td>
<td></td>
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<tr>
<td>ENG 100</td>
<td>Writing Seminar I ³</td>
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Second-Year Writing Seminar ⁴

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENG 200</td>
<td>Writing Seminar II</td>
<td>0-3 cr. hrs.</td>
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<tr>
<td>Oral Communication</td>
<td></td>
<td>3 cr. hrs.</td>
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<th>Course</th>
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<tbody>
<tr>
<td>CMM 100</td>
<td>Principles of Oral Communication</td>
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Mathematics ³

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<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>Social Science</td>
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<td>3 cr. hrs.</td>
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SSC 200 | Social Science Integrated |  |

Arts | | 3 cr. hrs. |

Natural Sciences ⁵

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td></td>
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<td>7 cr. hrs.</td>
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Crossing Boundaries

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td></td>
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<td>up to 12 cr. hrs.</td>
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Faith Traditions

Practical Ethical Action

Inquiry

Integrative

Advanced Study

Philosophy and/or Religious Studies (6 cr. hrs.)

Historical Studies (3 cr. hrs.) ⁶

Diversity and Social Justice ⁷

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<td></td>
<td></td>
<td>3 cr. hrs.</td>
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Major Capstone ⁸

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td></td>
<td></td>
<td>0-6 cr. hrs.</td>
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¹ The credit hours listed reflect what is needed to complete each CAP component. However, they should not be viewed as a cumulative addition to a student's degree requirements because many CAP courses are designed to satisfy more than one CAP component (e.g., Crossing Boundaries and Advanced Studies) and may also satisfy requirements in the student's major.

² May be completed with ASI 110 and ASI 120 through the Core Program.

³ May be completed with ENG 100A and ENG 100B, by placement.

⁴ Must include two different disciplines and at least one accompanying lab.

⁵ U.S. History AP credit will not satisfy this requirement.

⁶ May not double count with First-Year Humanities Commons, Second-Year Writing, Oral Communication, Social Science, Arts, or Natural Sciences CAP components, but may double count with courses taken to satisfy other CAP components and/or courses taken in the student’s major.

⁷ The course or experience is designed by faculty in each major; it may, or may not, be assigned credit hours.

⁸ The course or experience is designed by faculty in each major; it may, or may not, be assigned credit hours.

Liberal Studies Curriculum

Creative and Performing Arts (May include CAP Arts) | 3 |

L2 Proficiency (Proficiency in a language other than English) | 0-11 |

Literature (May include CAP Components) | 3 |
Mathematics (Satisfies CAP Mathematics)  
MTH 138 Calculus I with Review  
or MTH 148 Introductory Calculus I  
MTH 207 Introduction to Statistics

Natural Sciences (Satisfies CAP Natural Science)  

Social Sciences, excluding ECO courses (Includes CAP Social Science)  

Major Requirements  

Major Requirements  

ECO 203 Principles of Microeconomics  
ECO 204 Principles of Macroeconomics  
ECO 346 Intermediate Microeconomic Analysis  
ECO 347 Intermediate Macroeconomic Analysis  
ECO 410 Business & Economic Forecasting  
or ECO 441 Econometrics  
ECO 490 Senior Seminar in Applied Economics (Satisfies CAP Major Capstone)  
ECO electives (300/400 level)

Minor in Economics (ECO)  

ECO 203 Principles of Microeconomics  
ECO 204 Principles of Macroeconomics  
ECO 346 Intermediate Microeconomic Analysis  
ECO 347 Intermediate Macroeconomic Analysis  
Select two ECO courses (300/400 level)  

Total Hours  

Minor in Economics (ECO)  

In addition, MTH 149 strongly recommended.  
CAP Mathematics is satisfied with MTH 129, MTH 148, MTH 168, or MTH 207.  
MTH 168 or MTH 128-MTH 129 may be substituted with permission of department chairperson.  
May substitute DSC 210-DSC 211.  
Minimum C grade  
ECO 340 may be substituted for ECO 346 with permission of the department chairperson.

ECO 203. Principles of Microeconomics. 3,4 Hours  
An introduction to consumer and producer behavior in a market economy, demand and supply, pricing and firm behavior under perfect and imperfect competition, and the distribution of income. Discussion of current topics in microeconomics may be included.
ECO 204. Principles of Macroeconomics. 3,4 Hours
Introductory economic analysis of the macroeconomy; the determination of gross national product, employment, inflation and the interest rate in the U.S. economy. Government policy, money and banking, and international trade are analyzed. Prerequisite(s): ECO 203.

ECO 340. Managerial Economics. 3 Hours
Application of economic models to managerial decision making. Topics include demand analysis, forecasting demand, short-run cost analysis, long-run cost and production functions, pricing, and risk and uncertainty. May not get credit for both ECO 340 and ECO 346. ECB, ECO, MTE majors & minors only. Prerequisite(s): ECO 203.

ECO 346. Intermediate Microeconomic Analysis. 3 Hours
Analysis of the theory of consumer behavior, production theory, equilibrium of the firm, price determination in various market structures, distribution of income, allocation of resources, and welfare economics. May not get credit for both ECO 346 and ECO 340. ECO, ECB, and MTE majors and minors only. Prerequisite(s): ECO 203.

ECO 347. Intermediate Macroeconomic Analysis. 3 Hours
National income accounting and the determination of the level of income and employment; classical, Keynesian, and post-Keynesian models; private, government, and foreign sectors; theories of inflation and economic growth. ECO, ECB, and MTE majors and minors only. Prerequisite(s): ECO 204, ECO 203.

ECO 390. Antitrust Economics. 3 Hours
Study of how economic analysis has been applied in the interpretation of the antitrust statutes. Examines major anti-trust laws and relevant case law; reviews economic theories of market behavior. Prerequisite(s): ECO 203.

ECO 410. Business & Economic Forecasting. 3 Hours
Forecasting techniques, including ARIMA time series models, econometric models, moving averages, exponential smoothing, and time series decomposition, are used to forecast business and economic variables. Data sources, selection of appropriate forecasting tools and models, and evaluation of forecast results are studied. Prerequisite(s): ECO 203, ECO 204; Statistics (DSC 211 or MTH 207 or MTH 367 or MTH 411).

ECO 415. Game Theory with Business Applications. 3 Hours
Introductory course in strategic decision making; provides a thorough discussion of the basic techniques of applied game theory and of systematic thinking in making business decisions. Among the topics covered with applications to business are equilibrium strategies, understanding situations involving conflict and cooperation, auction design and bidding strategy, and bargaining and negotiations. Prerequisite(s): ECO 203.

ECO 435. Economics of the Environment. 3 Hours
Introduction to the economics of the global environment including an analysis of market failure as a cause of environmental degradation. Topics covered include negative externalities, public goods (and bads), the tragedy of the commons, various environmental policy interventions (taxes, caps, regulations), cost-benefit and cost effectiveness analysis, and prospects for the sustainability of nature’s ability to act as a source (of resources) and a sink (for residuals) for human economic activity. Prerequisite(s): ECO 203.

ECO 441. Econometrics. 3 Hours
Training in the art of making economic measurements from empirical data using regression analysis as the principle tool; use of computer software to estimate and test regression equations; interpretation of results using statistical inference. Prerequisite(s): ECO 203, ECO 204, [one of the following DSC 211, MTH 207, MTH 367, or MTH 411].

ECO 442. Money & Banking. 3 Hours
Principles of money and monetary systems; commercial banking and the role of the Federal Reserve System; monetary theory and policy; the mechanism of international payments. Prerequisite(s): ECO 203, ECO 204.

ECO 445. Public Finance. 3 Hours
The economic aspects of government finance at the local, state, and especially the national level; the behavioral effects of various taxes, efficiency in spending, the changing role of the U.S. government, fiscal policy, and intergovernmental revenue and expenditure programs; emphasis on relating analytical tools to current developments. Prerequisite(s): ECO 203, ECO 204.

ECO 460. Economic Development & Growth. 3 Hours
Study of various economic theories of growth, structural change and sustainable development; the role of particular factors of production, including natural capital, and related noneconomic (e.g. health and education) variables in the development process, primarily, though not exclusively, of Third World nations. Prerequisite(s): ECO 203, ECO 204.

ECO 461. International Economics. 3 Hours
Major issues surrounding international trade and finance, the economic interdependence of nations and businesses, essential theoretical and empirical tools necessary to monitor and analyze international economic phenomena, and the application of these tools to contemporary business problems and issues. Prerequisite(s): ECO 203, ECO 204.

ECO 470. Labor Economics. 3 Hours
Theory of labor supply and demand, human capital theory, and the process by which wages are determined in various factor markets; applications to topics of unemployment, unions, migration, discrimination, and skill differentials. Prerequisite(s): ECO 203, ECO 204.

ECO 480. Sports Economics. 3 Hours
The application of economic analysis to the sports industry. Examines demand and efficiency in the product market; the labor market for professional athletes and mechanisms for restricting competition in that market; problems in achieving an efficient allocation of resources in the sports industry. Prerequisite(s): ECO 203.

ECO 485. Urban & Regional Economics. 3 Hours
Treatment of certain theoretical concepts such as location theory and theories of land use and land rent; an economic interpretation for the existence of cities; applying economic analysis to the problems of traffic congestion, pollution, race, poverty, and urban sprawl. Prerequisite(s): ECO 203.

ECO 488. Production Economics & Performance Evaluation. 3 Hours
Intermediate course in theoretical and applied microeconomic production theory; provides a thorough discussion of the basic techniques of applied production theory and performance evaluation of decision making units. Topics include returns to scale, technical and allocative efficiency, benchmarking, environmental costs, and programming. Prerequisite(s): ECO 203.
ECO 490. Senior Seminar in Applied Economics. 3 Hours
The capstone seminar course is required for all Economics and Business Economics majors. Students apply economic analysis to topics of interest through projects, presentations, and group discussion, as directed by the instructor. The course provides students the opportunity to extend their proficiency in theoretical, mathematical, and statistical methods learned in previous economics courses through practical application. Typically offered during the spring semester. Economics or Business Economics majors only. Prerequisite(s): 12 semester hours in Economics, including one (1) of the following: ECO 441 or ECO 410. Senior standing only.

ECO 491. Honors Thesis. 3 Hours
Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson.

ECO 492. Honors Thesis. 3 Hours
Selection, design, investigation, and completion of an independent original research thesis under the guidance of a departmental faculty member. Restricted to students in the University Honors Program with permission of the director of the program and the departmental chairperson.

ECO 494. Seminar. 3 Hours
Subject varies from time to time. May be taken more than once if topic changes. Prerequisites to be announced.

ECO 496. Cooperative Education. 3 Hours
Optional full-time work period off campus alternating with study period on campus. Does not count toward economics major. Permission of chairperson required. Economics or Business Economics majors only. Prerequisite(s): Permission of department chairperson.

ECO 497. Internship for General Elective Credit. 1-3 Hours
Practical work experience associated with career development and career exploration relating to the student's major. Permission of the department chair or designee required. Does not replace economics courses for the economics major. Economics or Business Economics majors only. Prerequisite(s): Forty-five semester hours of credit.

ECO 498. Independent Study in Economics. 1-6 Hours
Directed readings and research in selected fields of economics. The number of semester hours will depend on the amount of work chosen. The course will involve periodic discussions with faculty and other students in the course. May be taken more than once for additional credit. Prerequisite(s): 3.0 GPA in economics with a minimum of nine semester hours in economics; nomination by faculty; permission of the department chairperson.