ECONOMICS

Economics is concerned with how resources are allocated in production, prices are determined, incomes are distributed and growth occurs. Economists examine such issues as how fiscal and monetary policies affect prices and employment, the effect on international trade of international trade agreements and the international price of the dollar, the size and future composition of the labor force, the effects of government regulations on the price, quantity and quality of goods and services, and costs and benefits of environmental policies.

Economists are employed by private businesses, utilities, railroads, government at all levels, educational institutions, labor unions, trade associations and non-profit organizations. In businesses, economists’ duties include analyzing and forecasting industry and market conditions, and making recommendations and decisions relative to capital investments, marketing new products, employee compensation, and the impact of government regulation. In addition, economics is superb preparation for graduate work in areas such as business law, political science, international relations, gerontology, and public administration. Economics also is an excellent dual major or minor for many areas of study.

Other Information
All coursework taken for the Economics major or minor must be completed with a grade of “C” or better.

Option for Degree Completion
The Department of Economics has developed a Fast Track program for highly qualified and motivated students providing the opportunity to complete a bachelor’s degree and a master’s degree in an accelerated time frame. With Fast Track, students may count up to 9 graduate hours toward the completion of their undergraduate program as well as the graduate degree program.

Program Specifics:

• The program is available for undergraduate students pursuing the Bachelor of Science in Business Administration (with a concentration in Economics), Bachelor of Science in Economics, or Bachelor of Arts in Economics, desiring to pursue a Master of Science in Economics.
• Students must have completed no less than 60 undergraduate hours.
• Students must have a minimum undergraduate GPA of 3.50.
• Students must complete the Fast Track Approval form and obtain all signatures and submit to the Office of Graduate Studies prior to first enrollment in a graduate course.
• Students will work with their undergraduate advisor to register for the graduate courses.
• A minimum cumulative GPA of 3.0 is required for graduate coursework to remain in good standing.
• Students remain undergraduates until they meet all the requirements for the undergraduate degree and are eligible for all rights and privileges granted undergraduate status including financial aid.
• Near the end of the undergraduate program, formal application to the graduate program is required. The application fee will be waived, the applicant will need to contact the Office of Graduate Studies for a fee waiver code.
  • Admission to Fast Track does NOT guarantee admission to the graduate program.
  • The admit term must be after the completion term of the undergraduate degree.

Students in the Fast Track program must only enroll in dual-level ECON courses (ECON 8xx) as their graduate coursework prior to admittance to the graduate program.

Student Groups
Economics Club
The main purpose of the UNO Economics Club (Econ Club, for short) is to increase awareness and knowledge of economic issues among Econ Club members and the overall UNO community. The organization also provides a venue for student-members to examine issues related to academic success, career success, and related matters. The organization shall work towards increasing the membership's engagement with the Omaha community.

Contact
Arts and Sciences Advising Center, 220 ASH
402.554.2458

Website (http://www.unomaha.edu/college-of-arts-and-sciences/economics/)

Degrees Offered
• Economics, Bachelor of Arts (http://catalog.unomaha.edu/undergraduate/college-arts-sciences/economics/economics-ba/)
• Economics, Bachelor of Science (http://catalog.unomaha.edu/undergraduate/college-arts-sciences/economics/economics-bs/)

Writing in the Discipline
All students are required to take a writing in the discipline course within their major. For the economics major this is ENGL 3050, ENGL 3980 or other approved course.

Minors Offered
• Economics Minor (http://catalog.unomaha.edu/undergraduate/college-arts-sciences/economics/economics-minor/)

By nature, Liberal Arts majors make great employees in any field because of their ability to communicate effectively, think critically and solve complex problems. These timeless skills make them attractive to employers in all walks of society. Specifically though, Economics majors often pursue careers as a:

• Commodities broker
• Credit analyst
• Data analyst
• Data scientist
• Economic forecaster
• Financial analyst
• Insurance underwriter
• Management consultant
• Market research analyst
• Public relations/media organizer
• Securities broker

ECON 1200 AN INTRODUCTION TO THE U.S. ECONOMY (3 credits)
An introduction to U.S. economy and an investigation of U.S. and international economic problems and policies.
Prerequisite(s)/Corequisite(s): Not available to students who have completed either ECON 2200 or 2220.
Distribution: Social Science General Education course

ECON 2200 PRINCIPLES OF ECONOMICS (MICRO) (3 credits)
An introduction to economic principles, decision making and policies affecting product and resource markets. Particular emphasis is on price, output and input decisions by individuals and firms under various market conditions. An introduction to the fundamentals of international trade.
Prerequisite(s)/Corequisite(s): ENGL 1150 and MATH 1310 or MATH 1220 with ‘C’ (1.67) or better, or permission of CBA advisor
Distribution: Social Science General Education course
ECON 2220 PRINCIPLES OF ECONOMICS (MACRO) (3 credits)
An introduction to economic principles, decision making and policies on national income and output, employment, growth, money, the price level and the international economy.
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220 and ENGL 1150 with a C-minus (1.67) or better, or permission of CBA advisor.
Distribution: Social Science General Education course

ECON 2400 PRINCIPLES OF ECONOMICS FOR EDUCATORS (3 credits)
This course teaches principles of microeconomics and macroeconomics to K-12 educators. After taking this course students will be able to use the economic way of thinking to study current economic issues. Students will be introduced to macroeconomic principles, decision-making and policies on national income and output, employment, growth, money, price level, and fundamentals of international issues. Students will study microeconomic issues including product and resource markets, and prices output and input decisions under various market conditions. Economic concepts will be aligned to K-12 state social studies standards. This course cannot be substituted for ECON 2200 and/or ECON 2220.
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ENGL 1150. Not open to non-degree graduate students.

ECON 3130 ECONOMIC GEOGRAPHY (3 credits)
A comprehensive study of production, consumption and exchange in primary, secondary and tertiary economic activities as related to spatial factors. (Cross-listed with GEOG 3130).
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better. or Majoring in Geography

ECON 3190 SPORTS ECONOMICS (3 credits)
Economics is frequently considered an abstract topic, with interesting results that are not easily applied in the real world. Through Sports Economics, however, students will explore the very real ways in which economics influences sporting competitions and the businesses surrounding them. Students will explore topics such as unionization in sports, discrimination, amateurism, monopoly power, game theory, and more in the context of sports, giving the student a deeper understanding of how these topics apply to real-world problems. After this course, students will understand how readily economics can be applied to businesses and problems in any industry or domain.
Prerequisite(s)/Corequisite(s): ECON 2200 OR ECON 1200 OR ECON 2400 OR Instructor Approval. Not open to non-degree graduate students.

ECON 3200 ECONOMIC THEORY: MICRO (3 credits)
Analysis of individual, firm and industry behavior in product and factor markets. Provides a theoretical foundation for managerial and public policy decision-making.
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220 and ECON 2200, each with a "C" (2.0) or better.

ECON 3220 ECONOMIC THEORY: MACRO (3 credits)
This course is designed to follow introductory economics, to examine the determination of output, employment, the price level, inflation, interest rates, and the exchange rate in the economy. Piece-by-piece, theoretical models will be constructed describing each how of these and other variables are determined in both, the long-run and in the short-run. We will analyze how changes in a particular event affect different markets in the economy, and in turn, how one market interacts with another within a general equilibrium framework. A large part of the course will be devoted to business cycle theory, macroeconomic policy issues, and open economy macroeconomics. The world economies are very much integrated, and thus, a full understanding of macroeconomics requires knowledge of international aspects of macroeconomics. The purpose of this course is to provide the student with an understanding of the connection between macroeconomic theory and related policy issues.
Prerequisite(s)/Corequisite(s): Completion of ECON 2200 with a C or better AND ECON 2220 with a C or better

ECON 3290 ECONOMICS OF PUBLIC ISSUES (3 credits)
Economics is frequently considered an abstract topic, with interesting results that are not easily applied in the real world. Through Economics of Public Issues, however, students will explore the real ways in which economics can be used to understand, explain, and answer tough questions that affect everyone. Students will explore and define capitalism and key economic institutions required for economics to develop and prosper. We will examine markets and market failures that exist today. Classes will focus on the outcomes - intended and unintended - of various policies (local, national, and global). While specific issues are going to be covered in the course the intent is that students will learn the tools and strategy of thinking like an economist to guide them through future issues that will come up in their personal, professional, and civic lives.
Prerequisite(s)/Corequisite(s): ECON 2200 AND ECON 2220 OR ECON 1200 OR ECON 2400 OR Instructor Approval.

ECON 3300 INTRODUCTION TO ECONOMETRICS (3 credits)
An introduction to empirical research methods in economics. Subjects covered include estimations of the basic linear regression model, hypothesis testing, correlation coefficients, analysis of variance, multicollinearity, dummy variables, specification error, auto-correlation, heteroscedasticity and unconditional forecasting. Empirical illustrations are provided by reference to contemporary economic questions.
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200, ECON 2220, BSAD 2130 or BSAD 3160, each with a "C" (2.0) or better, or permission of instructor.

ECON 3310 SQL, DATABASES, AND DATA CLEANING FOR DATA SCIENTISTS (3 credits)
Analytics requires data. Within an organization, this data is usually housed in databases. In this class, you will extract data from these systems using Structured Query Language (SQL), programmatically combine multiple datasets, and learn advanced programatic data cleaning techniques, such as regular expression.
Prerequisite(s)/Corequisite(s): ECON 2200 with a "C" or better

ECON 3320 INTRODUCTION TO ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS (3 credits)
This course explores the economic approach to environmental and natural resources. It introduces economic concepts and theory at a level accessible to non-economic majors but still challenging to economic majors. It then applies these to such topics as: air and water pollution, solid and hazardous waste management, renewable and nonrenewable natural resource use, and recycling.
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220 and ECON 2200, each with a "C" (2.0) or better.

ECON 3550 PUBLIC FINANCE (3 credits)
This course explores the objectives and rationale of government activity in a market economy, including positive and normative analysis of public expenditures and taxes. Topics include Social Security, health insurance, education, food stamps, student aid, unemployment insurance, efficiency and incidence of major revenue sources, and tax reform proposals. (Cross-listed with FNBK 3550).
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better.

ECON 3600 INTRODUCTION TO INTERNATIONAL ECONOMICS (3 credits)
An introduction to analyses of international trade and the international monetary system. Subjects covered include the economic basis for international specialization and trade, the effect of trade on income distribution, commercial policy, economic integration, the balance of payments, adjustment mechanism, exchange rate determination, external effects of monetary and fiscal policy and foreign investment.
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better.

ECON 4000 SPECIAL TOPICS IN ECONOMICS (1-5 credits)
The course content and topic will vary. Please contact the economics department for specific course offerings.
ECON 4210 INDUSTRIAL ORGANIZATION (3 credits)
In this class we will examine why firms and industries behave the way that they do. We will explore why some industries face intense competition while others enjoy large profits, why some industries offer only bundles, and why some firms buy up their supply chain when others do not. This theoretical course will illuminate un-theoretical implications to your life and future business ventures. This course will use your economic knowledge, a bit of psychology (behavioral economics) and game theory to answer questions like ‘Why does everyone hate the cable company?’ and ‘Why are CEOs given so many stock options?’ (Cross-listed with ECON 8216).

Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better, or permission of instructor.

ECON 4300 QUANTITATIVE APPLICATIONS IN ECONOMICS AND BUSINESS (3 credits)
The study and application of modern quantitative techniques to problem-solving in economics and business. It is designed to help the student to translate verbal arguments in economics and business into their mathematical equivalents, to improve analytical skills, and to attain proficiency in marginal analysis, equilibrium analysis, static optimization, and comparative statics analysis. It covers topics such as exponential and logarithmic functions and their applications, linear algebra and its applications, derivatives and their applications, maximization of functions with one variable and multi variables, maximization with non negativity constraints, and integral calculus and its applications in economics and business. (Cross-listed with ECON 8306).

Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better, or permission of instructor.

ECON 4320 NATURAL RESOURCE ECONOMICS (3 credits)
This course introduces students to the economics and management of Earth's natural resources. We address questions such as: Are we running out of natural resources? Are we using resources in a sustainable fashion? What role do markets play in resource use? We will address issues related to fossil-based resources, minerals, fisheries, water, land, forests and other associated topics. The course covers the basic theoretical framework for understanding the optimal rate of resource use, identifies the factors that determine the actual rate of use, and considers and evaluates various public policy prescriptions. (Cross-listed with ECON 8326).

Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better, or permission of instructor.

ECON 4340 ECONOMICS OF TECHNOLOGY (3 credits)
The seminar discusses whether innovation is more driven by demand or supply forces, the optimal timing of adoption of new technology, whether new technology benefits workers and consumers, and whether government is successful at supporting promising new technology. (Cross-listed with ECON 8346).

Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220 and ECON 2200, each with a "C" (2.0) or better, or permission of instructor.

ECON 4350 BUSINESS INTELLIGENCE AND REPORTING (3 credits)
The course will teach students to use state-of-the-art Business Intelligence (BI) software to generate reports and information from data. BI software is used to inform decision-making in industries from transportation to medicine, from marketing to government, and is facilitated by rapidly increasing access to data in all industries. Students will learn to employ best practices in visualization and verbal communication as they are trained to create valuable insights from data and convey those insights to stakeholders. Additionally, the course will aid students in preparing for certification in the use of state-of-the-art BI software. (Cross-listed with ECON 8316).

Prerequisite(s)/Corequisite(s): ECON 3310 OR ECON 8320 (or concurrent enrollment) AND ECON 2130 (or equivalent) OR Instructor Approval.
ECON 4730 ECONOMICS OF ENTREPRENEURSHIP (3 credits)
This course will review economic theories of entrepreneurship with special emphasis on Schumpeter's theory of creative destruction. The main focus of the seminar will be on the "high-level" entrepreneurship that sometimes results in major innovations. This course will address the societal benefits of entrepreneurship, factors influencing entrepreneurial success, the policies that best encourage entrepreneurship, and how firms can survive and prosper in an entrepreneurial environment. (Cross-listed with ECON 8736, BSAD 8736).
Prerequisite(s)/Corequisite(s): ECON 2200 or permission of the instructor for all students

ECON 4850 ECONOMICS OF URBAN AND REGIONAL DEVELOPMENT (3 credits)
This course will consider factors and trends in development at the global and national level but will focus primarily on economic development at the state, local, and regional levels in the United States. The focus of this course will be real world strategic planning for economic development. (Cross-listed with ECON 8856)
Prerequisite(s)/Corequisite(s): MATH 1310 or MATH 1220, ECON 2200 and ECON 2220, each with a "C" (2.0) or better, or permission of instructor.

ECON 4990 SENIOR ASSESSMENT (0 credits)
This assessment tool is part of the Department's Student Outcomes effort. It is designed to monitor the Department's performance and to identify changes needed. Graduating seniors must register for and complete this course in the term in which they plan to graduate.
Prerequisite(s)/Corequisite(s): Students must register for ECON 4990 in the term in which they plan to graduate. Not open to non-degree graduate students.