### ECONOMICS - ECO

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>ECO 101 Principles of Macroeconomics</td>
<td>3</td>
<td>None</td>
</tr>
<tr>
<td>ECO 102 Principles of Microeconomics</td>
<td>3</td>
<td>ECO 101, ECO 102. Offered occasionally.</td>
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<tr>
<td>ECO 205 Intermediate Microeconomic Analysis</td>
<td>3</td>
<td>ECO 101, ECO 102. Offered occasionally.</td>
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<tr>
<td>ECO 206 Intermediate Macroeconomic Analysis</td>
<td>3</td>
<td>ECO 101, ECO 102. Offered occasionally.</td>
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<tr>
<td>ECO 255 Business Statistics</td>
<td>3</td>
<td>ECO 255. Offered every fall &amp; spring.</td>
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<tr>
<td>ECO 256 Business Analytics</td>
<td>3</td>
<td>ECO 255. Offered every fall &amp; spring.</td>
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<tr>
<td>ECO 301 Introduction to Geographic Information Systems</td>
<td>3</td>
<td>ECO 101, ECO 102, or permission of the instructor. Offered occasionally.</td>
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<tr>
<td>ECO 310 Metropolitan Economic Development and GIS</td>
<td>3</td>
<td>ECO 101 &amp; ECO 102. Offered every spring.</td>
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<tr>
<td>ECO 311 Economic Impact Analysis</td>
<td>3</td>
<td>ECO 101, ECO 102 &amp; ECO 255. Offered spring.</td>
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<tr>
<td>ECO 330 Money, Banking and the Economy</td>
<td>3</td>
<td>ECO 101, ECO 102. Offered occasionally.</td>
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<tr>
<td>ECO 401 Public Economics</td>
<td>3</td>
<td>ECO 101, ECO 102, ECO 255. Offered occasionally.</td>
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<tr>
<td>ECO 410 Economic Research Methodology</td>
<td>3</td>
<td>ECO 101, ECO 102, ECO 256. Offered occasionally.</td>
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<tr>
<td>ECO 411 State and Local Finance</td>
<td>3</td>
<td>ECO 101, ECO 102, &amp; ECO 256 (or equivalent). Offered every spring.</td>
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<tr>
<td>ECO 455 Econometrics</td>
<td>3</td>
<td>ECO 101 &amp; ECO 102. Offered every spring.</td>
</tr>
<tr>
<td>ECO 497 Internship</td>
<td>3</td>
<td>ECO 101 &amp; ECO 102. Offered every spring.</td>
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<tr>
<td>ECO 499 Internship</td>
<td>3</td>
<td>ECO 101 &amp; ECO 102. Offered every spring.</td>
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</table>

**Prerequisites:**
- ECO 101, ECO 102, or equivalent.
- ECO 101 & ECO 102, or permission of the instructor.
- ECO 101, ECO 102, & ECO 256 (or equivalent).
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- ECO 101, ECO 102, or permission of the instructor.

**Offered:**
- Every fall & spring.
- Occasionally.
- Every fall & spring.
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- Fall & spring.
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- Fall & spring.

**Explanations:**
- ECO 101 Principles of Macroeconomics: Explanation of market system through supply and demand analysis. Measurement of macroeconomic variables and development of economic models to analyze problems of unemployment, inflation and economic growth. Various fiscal and monetary policies will be discussed. Fulfills College Core: Field 5 (Social Sciences)
- ECO 102 Principles of Microeconomics: Explanation of how the market system operates in the context of limited resources. Emphasis on the manner in which consumers and firms determine what to produce, how to produce and for whom to produce. Offered: every fall & spring.
- ECO 206 Intermediate Macroeconomic Analysis: The determination of national income and product in the short run and long run. Unemployment, inflation, fiscal and monetary policy will be examined in the context of static and dynamic macroeconomic models. Prerequisite: ECO 101 & ECO 102. Offered: every fall & spring.
- ECO 256 Business Analytics: Hypothesis testing, regression analysis, goodness of fit, contingency tables, analysis of variance, time series analysis and forecasting. Prerequisite: ECO 255. Offered: every fall & spring.
- ECO 301 Introduction to Geographic Information Systems: An applied introduction to Geographic Information Systems (GIS), a mapping and spatial analysis tool that is widely used in education, government, and industry to solve spatial problems. This course combines lectures and hands-on exercises and provides students the opportunity to use ArcGIS software. Prerequisite: ECO 101 & ECO 102, or permission of the instructor. Offered occasionally.
- ECO 310 Metropolitan Economic Development and GIS: Economic development is an essential component of local policy and governing, and a perceived driver of success and vitality for cities, metropolitan areas and regions. This applied course will introduce students to basic economic development theory and commonly used economic performance measures within a Geographic Information Systems (GIS) environment. Prerequisite: ECO 101 & ECO 102. Offered: every spring.
- ECO 311 Economic Impact Analysis: Estimation of the impact of investment, public spending, and changes in taxation or regulatory policy on a regional economy. The impact of a new project on sales, income and employment will be projected. Case studies and hands-on experience using multiple software packages will be used to conduct analysis. Prerequisite: ECO 101, ECO 102 & ECO 255. Offered: every spring.
- ECO 330 Money, Banking and the Economy: The connection between financial markets, the economy and the Federal Reserve. Examination of the nature of financial markets, the determination of interest rates, bank management and regulation, money and monetary policy. Emphasis on the impact of monetary policy on the macro economy. This course also serves as a Finance elective. Prerequisite: ECO 101 & ECO 102. Offered: every spring.
- ECO 401 Public Economics: A microeconomic analysis of the role of the public sector in resource allocation. Topics include the theory of market failures, alternative corrective measures for market failures, efficiency/equity analysis of taxes and public expenditure programs. Prerequisite: ECO 101, ECO 102. Offered occasionally. Fulfills College Core: Justice.
- ECO 410 Economic Research Methodology: Economic Research Methodology is a course where the tools of microeconomics, macroeconomics and statistics are applied to analysis of economic data at both the national and local levels. The course will focus on Bureau of the Census and Bureau of Labor Statistics data in the analysis of labor markets and other behavioral economic issues. Prerequisite: ECO 101, ECO 102, ECO 256. Offered: occasionally.
- ECO 411 State and Local Finance: Municipal credit risk and municipal bonds analysis of revenue sources for state and local governments. Public/ private sector interaction in urban areas, city-suburban fiscal disparity and competition, state/local government structure, inter-governmental relations. This course also serves as a Finance elective. Prerequisite: ECO 101, ECO 102, & ECO 256 (or equivalent). Offered: every spring.
- ECO 455 Econometrics: Estimation and analysis or linear and non-linear regression models using statistical inference. Topics include: multicollinearity, heteroskedastic and serially correlated errors, forecasting, dummy variables and simultaneous equation models. Emphasis on analysis of data using EViews econometric software. A good course for those contemplating graduate school. Prerequisite: ECO 101 & ECO 102. Offered: every spring.
ECO 499 Independent Research 1-3 Credits
Students must work with a faculty mentor to develop their learning goals and complete a Wehle School of Business Independent Study Application Form.
**Prerequisite:** student must complete a WSB Independent Study Application Form and obtain the approval of a faculty supervisor, department chair, & the associate dean.