MATHEMATICAL ECONOMICS OPTION

This option is offered within the following major(s):

- Economics - College of Liberal Arts (http://catalog.oregonstate.edu/college-departments/liberal-arts/school-public-policy/economics-bs-hba-hbs)

As the economics profession becomes increasingly mathematical, economics majors who plan to go to graduate school need a strong math background. The Mathematical Economics option provides the necessary mathematical preparation for graduate school bound economics majors. It also serves students who desire a more quantitative program or who come into the major with significant math preparation to apply math toward their degrees in economics.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 201</td>
<td>*INTRODUCTION TO MICROECONOMICS</td>
<td>4</td>
</tr>
<tr>
<td>ECON 202</td>
<td>*INTRODUCTION TO MACROECONOMICS</td>
<td>4</td>
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<tr>
<td>ECON 411</td>
<td>ADVANCED MICROECONOMIC THEORY</td>
<td>4</td>
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<tr>
<td>ECON 415</td>
<td>ADVANCED MACROECONOMIC THEORY</td>
<td>4</td>
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<tr>
<td>ECON 423</td>
<td>ECONOMETRICS I</td>
<td>4</td>
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<tr>
<td>ECON 427</td>
<td>INTRODUCTION TO ECONOMETRICS WITH CALCULUS</td>
<td>4</td>
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<td>Select one of the following:</td>
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<tr>
<td>ECON 428</td>
<td>*INTRODUCTION TO ECONOMIC RESEARCH</td>
<td>4</td>
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<tr>
<td>ECON 439</td>
<td>*PUBLIC POLICY ANALYSIS</td>
<td></td>
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<tr>
<td>ECON 466</td>
<td>*ECONOMICS OF TRADITIONAL AND RENEWABLE ENERGY</td>
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<tr>
<td>MTH 241</td>
<td>*CALCULUS FOR MANAGEMENT AND SOCIAL SCIENCE</td>
<td>4</td>
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<tr>
<td>or MTH 251</td>
<td>*DIFFERENTIAL CALCULUS</td>
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**Additional Requirements**

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECON 329</td>
<td>INTRODUCTION TO MATHEMATICAL ECONOMICS</td>
<td>4</td>
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<tr>
<td>MTH 252</td>
<td>INTEGRAL CALCULUS</td>
<td>4</td>
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<tr>
<td>MTH 254</td>
<td>VECTOR CALCULUS I</td>
<td>4</td>
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<td>MTH 341</td>
<td>LINEAR ALGEBRA I</td>
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<tr>
<td>MTH 342</td>
<td>LINEAR ALGEBRA II</td>
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Total Hours 51

* Bacc Core Course
^ Writing Intensive Course (WIC)

All students must receive a grade of "C" (2.00) or better in all upper-division required courses and must maintain an overall grade-point average (GPA) of 2.00 in all courses taken toward the Law, Economics and Policy option. None of the 51 credits may be taken S/U. Students cannot receive credit toward the option for both ECON 311 INTERMEDIATE MICROECONOMIC THEORY and ECON 411 ADVANCED MICROECONOMIC THEORY, for both ECON 315 INTERMEDIATE MACROECONOMIC THEORY and ECON 415 ADVANCED MACROECONOMIC THEORY, and for both ECON 424 INTRODUCTION TO ECONOMETRICS and ECON 427 INTRODUCTION TO ECONOMETRICS WITH CALCULUS. No more than 4 credits of self-study courses