ECONOMICS MA/APPLIED MATHEMATICS MS DUAL DEGREE, WITH A FOCUS IN APPLIED STATISTICS

Introduction

Graduate Advisors:
Economics - Andrea Velasquez, Chloe East, and Barton Willage
Applied Mathematics - Click here. (https://clas.ucdenver.edu/mathematical-and-statistical-sciences/degree-requirements-dual-mams-economics-and-applied-mathematics/)

The fields of mathematics and economics are inextricably linked. In economics, mathematics and statistics are used extensively in theory construction, tests of existing theories and discovery of regularities to inform new theories. Economics also gives mathematicians/statisticians new challenges, new outlets and new ideas to incorporate in mathematics. These complementarities have long been recognized and economics graduate students have always been advised to take advanced courses in statistics.

A "dual" degree means that students who complete the program earn two master's degrees: MA in economics and MS in applied mathematics. Students interested in completing the dual degree in economics and applied mathematics must apply separately to each program, meet the admission requirements of each program, and be accepted by each program. If one program accepts a student for the dual degree but the other program does not, then the student may not graduate under the dual degree program. Students may apply to both programs at the same time or apply to the economics program first, and then to the applied math program after their first semester, or vice versa. Both programs must be completed in the same semester to take advantage of the dual degree program. Further information about this program can be obtained from either the Department of Economics or the Math Department.

The requirements for the dual degree in economics and applied mathematics include completing 21 credit hours in ECON and 21 credit hours in MATH (42 total credit hours).

Graduate Education Policies and Procedures apply to this program. 

Program Requirements

1. The requirements for the dual degree in economics and applied mathematics include completing 21 credit hours in ECON and 21 credit hours in MATH (42 total credit hours).

2. Students are expected to meet all course prerequisites. ECON 5803 Mathematical Economics is a prerequisite for ECON 5073 Microeconomic Theory and ECON 5813 Econometrics I. This prerequisite requirement is waived for students who are currently admitted to the MS Applied Mathematics program.

3. Students must complete all ECON and MATH credits at the graduate level (5000-level or higher).

4. Students must earn a minimum grade of B- (2.7) in all courses that apply to the degree and must achieve a minimum cumulative GPA of 3.0. Courses taken using P+/P/F or S/U grading cannot apply to program requirements. No course may be taken more than twice and only one attempt will retain the credit.

5. Students must complete all coursework with CU Denver faculty.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 5073</td>
<td>Microeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 5083</td>
<td>Macroeconomic Theory</td>
<td>3</td>
</tr>
<tr>
<td>ECON 5813</td>
<td>Econometrics I</td>
<td>3</td>
</tr>
<tr>
<td>ECON 5823</td>
<td>Econometrics II</td>
<td>3</td>
</tr>
<tr>
<td>ECON 6053</td>
<td>Seminar in Applied Economics</td>
<td>3</td>
</tr>
<tr>
<td>or ECON 6055</td>
<td>Seminar in Applied Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 6073</td>
<td>Research Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete the following required ECON courses: 18
Complete the following required MATH courses: 9
Complete one of the following courses from the following list: 3
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Click here (http://catalog.ucdenver.edu/cu-denver/graduate/schools-colleges-departments/college-liberal-arts-sciences/economics-economics-ma/) for admissions requirements for the MA program in Economics

Click here (http://catalog.ucdenver.edu/cu-denver/graduate/schools-colleges-departments/college-liberal-arts-sciences/mathematical-statistical-sciences/applied-mathematics-ms/) for admissions requirements for the MS program in Applied Mathematics

A final examination that satisfies the requirements of the MS in Applied Mathematics

Total Hours 42

To learn more about the Student Learning Outcomes for the MS program in Applied Mathematics, please visit our website.
To learn more about the Student Learning Outcomes for the MA program in Economics, please visit our website (https://clas.ucdenver.edu/economics/programs/master-arts-economics/).