

ECONOMICS, 4 + 1 BA/ HEALTH ECONOMICS, MS

Introduction

Please click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/economics/>) to see Economics department information.

Overview

The 5-year BA/MS in Health Economics program allows qualified undergraduate students to take graduate level economic courses and count them towards their B.A. degree in economics. After completing the B.A. in economics, up to 12 graduate level ECON credits taken as an undergraduate student may be counted again towards the MS in health economics degree. This allows a student to complete both the B.A. and M.S. in as few as five years. Students who decide not to pursue a M.S. degree in health economics at CU Denver after earning a B.A. degree in economics retain their B.A. degree along with all other undergraduate credentials on their transcripts.

Program Delivery

- This is an on-campus program.

Declaring This Major

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/records-registration/registration/declare-change-major-minor/>) to go to information about declaring a major.

Admission Requirements

1. Meet all general admission requirements of the Graduate School
2. Be a current CU Denver Economics major with a GPA of 3.5 or better
3. The following courses must have been completed at CU Denver with a grade of B+ or better: MATH 2411 Calculus II, MATH 2421 Calculus III, ECON 4071 Intermediate Microeconomic Theory, and ECON 4811 Introduction to Econometrics
4. Students should apply in the semester when requirement 3 is satisfied (typically in the end of the fall semester of their junior year - as in the sample curriculum below)
5. Students who do not meet requirements 2 and 3 may apply, but must submit GRE scores and two letters of recommendation; otherwise both are waived
6. To apply, students should submit a regular application to the MS Health Economics program here: <https://application.admissions.ucdenver.edu/apply/>. Students who meet the admission requirements are not required to pay the application fee, submit GRE scores, letters of recommendation, or a personal statement. Students must contact the graduate advisor after their application is submitted to have this material waived (brian.duncan@ucdenver.edu)

General Requirements

To earn a degree, students must satisfy all requirements in each of the areas below, in addition to their individual major requirements.

- CU Denver General Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation/general-graduation-requirements/>)
- CU Denver Core Curriculum (<http://catalog.ucdenver.edu/cu-denver/undergraduate/graduation-undergraduate-core-requirements/>)
- College of Liberal Arts & Sciences Graduation Requirements Graduation Requirements (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/>)
- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) for information about Academic Policies

Program Requirements

1. Students must complete a minimum of 48 credit hours with a minimum of 33 ECON and 12 MATH credit hours.
2. Students must complete a minimum of 18 upper division (3000-level and above) credit hours in ECON electives, with a maximum of 12 graduate level (5000-level and above) ECON credit hours. A maximum of 6 credit hours at the 3000 level in ECON will count toward degree requirements.
3. Students must earn a minimum grade of C- (1.7) in all major courses taken at CU Denver and Students must earn a minimum grade of B- (2.7) in all graduate courses taken at CU Denver. Students must achieve a minimum cumulative major GPA of 2.0 and master's GPA of 3.0. All graded attempts in required and elective courses are calculated in the major GPA. Courses taken on a pass/fail basis will not count toward the degree.
4. Students must complete a minimum of 33 ECON credit hours applied to the BA, including ECON 4811 Introduction to Econometrics, and all graduate level courses applied to the MS with CU Denver faculty.

Program Restrictions, Allowances and Recommendations

While students are completing a BA degree in economics (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/economics/economics-ba/>), they may also complete some of the requirements for an MS in health economics (<http://catalog.ucdenver.edu/cu-denver/graduate/schools-colleges-departments/college-liberal-arts-sciences/economics/health-economics-ms/>) by participating in the BA/MS program using the following guidelines:

1. The student must apply and be accepted for participation in the BA/MS program prior to completion of the BA degree in consultation with both the undergraduate and graduate advisors. Students must complete a 4+1 intent form to formally declare this program, as they work very closely with undergraduate and graduate advisors to ensure they are on track and completing requirements as necessary.
2. Students need to take only three electives at the undergraduate level; the three electives taken at the graduate level are double counted in fulfilling both BA and MS graduation requirements. ECON 5803 (Graduate Mathematical Economics) is waived or can be counted as one graduate-level elective. The total dual credits are 12 hours.
3. A minimum of 12 of the 18 upper division credit hours required must be completed with 4000 level and above courses.
4. Only courses taken at CU Denver will apply in the GPA calculation.
5. Students will earn the BA degree in their fourth year upon completing all the requirements for the BA degree. Students are expected to be

admitted to the Graduate School in their final two semesters prior to earning the MS degree.

6. All courses other than ECON 2012 Principles of Economics: Macroeconomics and ECON 2022 Principles of Economics: Microeconomics require written department approval to be transferred in as satisfying major requirements.
7. Any courses taken in Economics may satisfy the elective requirement, other than internships and independent studies which require the approval of the department chair. Students must take at least six of the courses for the major from CU Denver faculty, including ECON 4811 Introduction to Econometrics. Once a student has enrolled at CU Denver, no more courses in the major can be taken outside the CU Denver Economics Department. This includes courses offered at Metropolitan State University. The department reserves the right to require a demonstration of competence for any core courses not taken from CU Denver faculty.
8. MATH 2411 Calculus II or MATH 2421 Calculus III with a grade of B or higher will satisfy the ECON 3801 Introduction to Mathematical Economics requirement. If a student completes ECON 3801 Introduction to Mathematical Economics, and then subsequently or concurrently completes before completing MATH 2411 Calculus II, with a grade of B or higher, ECON 3801 Introduction to Mathematical Economics will be counted as an Economics 3000-level elective but will not be used as an elective for evaluation of Honors. However, if a student has already completed MATH 2411 Calculus II with a B or better, then ECON 3801 Introduction to Mathematical Economics taken subsequently cannot be counted as an elective.

ECON 3770	Issues in Economic Development	3
ECON 3801	Introduction to Mathematical Economics	3
ECON 3811	Statistics with Computer Applications	4
ECON 4001	Topics in Economics	3
ECON 4030	Data Analysis with SAS	3
ECON 4050	Special Economic Problems	3
ECON 4071	Intermediate Microeconomic Theory	3
ECON 4081	Intermediate Macroeconomic Theory	3
ECON 4090	History of Economic Thought	3
ECON 4110	Money and Banking	3
ECON 4150	Economic Forecasting	3
ECON 4210	Public Finance	3
ECON 4240	Economic Policy Analysis	3
ECON 4310	Managerial Economics	3
ECON 4318	Urban Economics	3
ECON 4320	Financial Economics	3
ECON 4410	International Trade	3
ECON 4420	International Finance	3
ECON 4430	Economic Growth	3
ECON 4461	Economic Incentives	3
ECON 4530	Economics of Natural Resources	3
ECON 4540	Environmental Economics	3
ECON 4550	Game Theory and Economic Applications	3
ECON 4610	Labor Economics	3
ECON 4640	Sports Economics	3
ECON 4660	Health Economics.	3
ECON 4670	Economics of Population and Growth	3
ECON 4740	Industrial Organization	3
ECON 4770	Development Economics	3
ECON 4811	Introduction to Econometrics	3
ECON 4812	Advanced Econometric Methods	3
ECON 5073	Microeconomic Theory	3
ECON 5083	Macroeconomic Theory ¹	3
ECON 5813	Econometrics I	3
ECON 5823	Econometrics II	3
ECON 7073	Advanced Microeconomic Theory II	3
ECON 7661	Health Economics I	3
ECON 7662	Health Economics II	3

Undergraduate Required Courses

Code	Title	Hours
<i>Take all of the following</i>		<i>30</i>
ECON 2012	Principles of Economics: Macroeconomics	3
ECON 2022	Principles of Economics: Microeconomics	3
ECON 4071	Intermediate Microeconomic Theory	3
ECON 4081	Intermediate Macroeconomic Theory	3
ECON 4811	Introduction to Econometrics	3
MATH 1401	Calculus I	4
MATH 2411	Calculus II	4
MATH 2421	Calculus III	4
MATH 3382	Statistical Theory	3-4
or ECON 3811	Statistics with Computer Applications	

Undergraduate Electives

Code	Title	Hours
<i>Take six 3 credit hour courses in economics at the 3000-level or higher; a minimum of six credits must be at the 4000-level and a maximum of 12 credits may be at the graduate level.</i>		<i>18</i>
Internships and independent studies require approval of the department chair in order to be given credit as an economics course.		
ECON 3050	Decision Making	3
ECON 3100	Economics of Race and Gender	3
ECON 3300	Economics of Crime and Punishment	3
ECON 3366	Managerial Economics	3
ECON 3400	Economics of Sex and Drugs	3
ECON 3415	Issues in International Trade and Finance	3

¹ ECON 5803 (Graduate Mathematical Economics) can be waived with the graduate advisor's approval. Students who have ECON 5803 waived will be required to complete 12 graduate elective credit hours to complete the MS.

To learn more about the undergraduate Student Learning Outcomes for this program, please visit our website (<https://clas.ucdenver.edu/economics/programs/bachelor-arts/>).

To learn more about the graduate Student Learning Outcomes for this program, please visit our website (<https://clas.ucdenver.edu/economics/programs/master-science-health-economics/>).

To review the Degree Map for this program, please visit our website (<https://www.ucdenver.edu/student/advising/undergraduate/degree-maps/clas/>).