

HEALTH AND DEVELOPMENT ECONOMICS UNDERGRADUATE CERTIFICATE

Introduction

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

There is an increasing need for individuals who understand health related issues and policies, particularly those affecting developing countries, and have the quantitative skills that enable them to analyze and present real-world data to support effective decision-making. The purpose of the Certificate in Health & Development Economics is to provide students with a strong foundation in economic concepts, data analysis, and policy issues pertaining to healthcare and economic development. Students will learn how to use data to develop and evaluate programs and policies using modern statistical methods. The certificate gives students the applied skills and institutional knowledge increasing in demand in the health research sector, enhancing the student's career and professional development. The certificate can also provide a springboard towards pursuing a graduate degree in Health Economics.

Program Delivery

- This is an on-campus and online program.

Declaring This Certificate

Admission Requirements

- Be a current CU Denver undergraduate or graduate student in any discipline, or a CU Denver non-degree seeking student with a Bachelor's degree.
- Have a GPA of 2.0 or higher
- Have completed intermediate microeconomics and introduction to econometrics, or equivalent coursework or professional experience.

Students interested in completing this certificate should complete this form: CLAS Undergraduate Certificate Intent to Declare Form, which requests that the certificate be added to your student record. Once added, you will be able to run a certificate degree audit. The certificate degree audit should be used in collaboration with the Certificate Advisor to ensure successful completion of the requirements.

Students should then work with Debbie Evercloud (debbie.evercloud@ucdenver.edu) or W. James Smith (jim.smith@ucdenver.edu)—the certificate advisor, to ensure completion of all certificate requirements.

Completing this Certificate

Students must also complete the CLAS Undergraduate Certificate Completion Verification Form, before graduation, in order to confirm completion of their certificate. The certificate advisor will confirm that your certificate has been successfully completed, and will work with campus partners to apply the certificate to your transcript.

Students must fill out the Certificate Completion Form before the deadlines below, to ensure the certificate is applied to your transcript correctly. If you are a non-degree seeking student, please fill out this form in the term in which you intend to complete your certificate.

Spring semester – **April 1**

Summer semester – **July 1**

Fall semester – **November 1**

These program requirements are subject to periodic revision by the academic department, and the College of Liberal Arts and Sciences reserves the right to make exceptions and substitutions as judged necessary in individual cases. Therefore, the College strongly urges students to consult regularly with their Health & Development Economics advisor to confirm the best plans of study before finalizing them.

General Requirements

Students must satisfy all requirements as outlines below and by the department offering the certificate.

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) for information about Academic Policies

Certificate Requirements

1. Students must complete a minimum of 12 ECON credit hours.
2. Students must complete a minimum of 12 upper division (3000-level and above) ECON credit hours.
3. Students must earn a minimum grade of C- (1.7) in all courses that apply to the certificate and must achieve a minimum cumulative certificate GPA of 2.0. Courses taken using P+/P/F or S/U grading cannot apply to certificate requirements.
4. Students must complete all certificate credit hours with CU Denver faculty.

Certificate Restrictions, Allowances and Recommendations

1. Students are expected to meet all course prerequisites or have the program director's approval.
2. CU Denver undergraduate students may complete the certificate concurrently with their major and/or minor degree program, counting the credits towards both the certificate and their B.A. or B.S. major/minor degrees. However, courses that have already been counted towards any degree already awarded may not be counted towards the certificate retroactively.
3. Undergraduate students are encouraged to use the certificate program as a bridge to a graduate degree. Qualified students in their senior year may substitute the graduate level ECON 5030 Data Analysis with SAS for ECON 4030 Data Analysis with SAS, ECON 7661 Health Economics I for ECON 4660 Health Economics., and/or ECON 7662 Health Economics II for ECON 4770 Development Economics. Undergraduate students, non-degree seeking students, and graduate students outside the economics department must meet the prerequisite requirements or **have the graduate advisor's approval** prior to taking any graduate level econ course.
4. No course may be taken more than twice.

Code	Title	Hours
Complete the following courses:		12
ECON 4030	Data Analysis with SAS	
ECON 4660	Health Economics.	
ECON 4770	Development Economics	
ECON 4812	Advanced Econometric Methods	
Total Hours		12

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