

HEALTH ECONOMICS, PHD

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Introduction

Program Director: Brian Duncan, Ph.D., Department of Economics

Program Co-Director: Richard Lindrooth, Ph.D., Health Systems, Management & Policy

Graduate Advisor: Daniel Rees, Ph.D., Department of Economics

The Ph.D. in Health Economics is designed to train scientists to engage in modern economic research related to questions pertinent to the health care sector and to personal and public health. Students take courses both from the Economics Department, which is housed in the College of Liberal Arts and Sciences, and from the Health Systems, Management & Policy (HSMP) Department, which is housed in the Colorado School of Public Health. The ECON coursework grounds students in rigorous economic theory and modern statistical methods, whereas the HSMP coursework connects students to institutional details of the health care sector, administrative data methods, grant writing, and the development of interdisciplinary health care research.

Program Requirements

1. Students must complete a minimum of 76 credit hours, including 36 hours of core requirements, and a minimum of 30 dissertation credit hours. Each student's plan will be worked out in conjunction with the graduate advisor. Students are expected to meet all course prerequisites.
2. Students must complete a minimum of 30 graduate (5000 and above) level credit hours.
3. Students must earn a minimum grade of B- (2.7) in all major courses taken at CU Denver and must achieve a minimum cumulative major GPA of 3.0. All graded attempts in required and elective courses are calculated in the major GPA. Students cannot complete major or ancillary course requirements as pass/fail. No course may be taken more than twice and only one attempt will retain the credit.
4. Students must complete all credits for the degree with CU Denver/ CU Anschutz faculty.

Required Courses

Code	Title	Hours
Take the following		36
ECON 5073	Microeconomic Theory	3
ECON 5803	Mathematical Economics	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
HSMP 6602	Health Equity	3
HSMP 6605	Health Policy	3

HSMP 6609	Cost Benefit and Effectiveness in Health	2
HSMP 7010	Foundations in Health Services Research (2 credits)	1
HSMP 7601	Research Design and Proposal Preparation	3
HSMP 7609	Methods in Health Services Research II	3

Electives

Code	Title	Hours
<i>Take 9 credit hours of elective credits</i>		<i>9</i>
Any course numbered 6000 or higher with an ECON or HSMP subject code. Courses numbered 6611 or higher with a BIOS subject code may be taken with the graduate advisor's approval.		
ECON 6010	Advanced Microeconomic Theory	3
ECON 6020	Advanced Macroeconomic Theory	3
ECON 6053	Seminar In Applied Economics	1.5
ECON 6054	Seminar In Applied Economics II	1.5
ECON 6060	Special Topics	1-3
ECON 6073	Research Seminar	3
ECON 6210	Public Finance	3
ECON 6410	International Trade	3
ECON 6420	International Finance	3
ECON 6610	Labor Economics	3
ECON 6666	The Economics of Health Behaviors	3
ECON 6770	Economic Growth and Development	3
ECON 6801	Advanced Mathematical Economics	3
ECON 6810	Econometrics and Forecasting	3
HSMP 6601	Introduction to HSMP	3
HSMP 6604	Health Care Economics	3
HSMP 6606	Public Health Administration	2
HSMP 6608	Ethical and Legal Issues in Public Health	2
HSMP 6610	Health Care Financial Management	3
HSMP 6613	Addressing Health Equity in Colorado's Safety Net	1
HSMP 6614	MCH Program Management & Policy Analysis	3
HSMP 6615	Current Global Health Policy Issues	2
HSMP 6616	Intro. to Health Policy Analysis and Communication	1
HSMP 6617	Interpreting Health Policy and Management Research	2
HSMP 6618	Comparative Health Systems	2
HSMP 6621	Interprofessional Education and Development I	1
HSMP 6622	Interprofessional Education and Development II	1
HSMP 6630	Grant Writing for Public Health Professionals	2
HSMP 6633	Management of Non-Profit Organizations in Public Health	2
HSMP 6634	Management, Budgeting and Public Health Administration	3
HSMP 6640	Leadership for Public Health Practice Part 2	3
HSMP 6670	Special Topics: Health Systems, Management and Policy	1-3
HSMP 7605	Managing a Learning Healthcare System: Theory to Prac	3
HSMP 7607	Methods in Health Services Research I	3

Preliminary Exam, Dissertation Proposal, and Dissertation

Students must successfully pass a preliminary examination covering topics in microeconomic theory, econometrics, and health economics by the start of their fourth semester coursework to ensure that they are qualified for doctoral study.

Ph.D. students must defend their dissertation proposal after completing or registering for all non-dissertation coursework and concurrent with applying for admission to candidacy. Students are advanced to candidacy for the Ph.D. once they have completed all required coursework and examinations, and have successfully presented their dissertation proposal to their dissertation committee.

After students are advanced to candidacy, they must complete a total of 30 hours of dissertation credits to complete the PhD. Each fall and spring semester, students are expected to register for a minimum of 5 semester hours of dissertation research; if unable to register for at least 5 semester hours, students must request a leave of absence from the PhD program until able to complete the minimum dissertation requirement. Students may take up to two semesters' leave of absence before they are unenrolled from the program. Students then would need to reapply to the program.

Each student must write and defend a dissertation containing original contributions and evidence of significant scholarship that the student's primary advisor and dissertation committee deem satisfactory.

Code	Title	Hours
<i>Complete a minimum of 30 dissertation credits.</i>		
ECON 8990	Doctoral Dissertation	1-10

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