

## Community Health Sciences Graduate Education Program (MDCH) Requirements by Specialization

<b>HEALTH ECONOMICS (HE) – MSc THESIS-BASED</b>	
<b>Description</b>	Health Economics focuses on the economic evaluation of interventions and treatments that impact health, both within and outside of health care, as well as evaluation of policy options at the systems level. The goal of health economic evaluation is to provide a framework and a set of techniques to measure and value the resource implications and the outcomes associated with alternative treatments, interventions or policy options, and assist decision makers to allocate scarce health resources to their most beneficial use.
<b>Additional Admission Requirements</b>	In addition to the Faculty of Graduate Studies' requirements, all applicants must meet the minimum admission requirements of the home program.
<b>MDCH Core Required Courses</b>	<ol style="list-style-type: none"> <li>1) MDCH 600: Introduction to CHS</li> <li>2) MDCH 610: Essentials of Biostatistics</li> <li>3) MDCH 640: Fundamentals of Epidemiology</li> <li>4) MDCH 681: Health Research Methods</li> </ol>
<b>Health Economics Required Courses</b>	TWO of the following three courses: <ol style="list-style-type: none"> <li>1) MDCH 661: Health Economics</li> <li>2) MDCH 662: Economic Evaluation</li> <li>3) MDCH 663: Decision Analysis in Health Economic Evaluation</li> </ol>
<b>Recommended Electives</b>	At least one graduate level half course equivalent as recommended by the student's supervisor/committee appropriate to the advancement of the thesis research topic. Other courses offered at the University of Calgary or through the Western dean's Agreement ( <a href="https://grad.ucalgary.ca/current/managing-my-program/studying-at-another-university/western-deans">https://grad.ucalgary.ca/current/managing-my-program/studying-at-another-university/western-deans</a> ) may be used to fulfil elective requirements, with the approval of the student's supervisor(s) and home department GPD.
<b>Seminars</b>	Students in MDCH 600 must attend all CHS-OIPH Weekly Seminars in the Fall and Winter terms, as well as monthly Health Economics and Health Technology Assessment Seminars. Additional seminars as recommended by student's supervisor/committee.
<b>Thesis Research</b>	All coursework must be completed prior to the Final Thesis Examination. Refer to requirements of home program regarding Thesis Monograph or Manuscript-based.
<b>Practicum</b>	None required, but usually arranged in conjunction with the student's supervisor(s).
<b>Health Economics Competencies</b>	

<b>HEALTH ECONOMICS (HE) – PHD THESIS-BASED</b>		
<b>Description</b>	Health Economics focuses on the economic evaluation of interventions and treatments that impact health, both within and outside of health care, as well as evaluation of policy options at the systems level. The goal of health economic evaluation is to provide a framework and a set of techniques to measure and value the resource implications and the outcomes associated with alternative treatments, interventions or policy options, and assist decision makers to allocate scarce health resources to their most beneficial use.	
<b>Additional Admission Requirements</b>	In addition to the Faculty of Graduate Studies' requirements, all applicants must meet the minimum admission requirements of the home program.	
<b>MDCH Core Required Courses</b>	<ol style="list-style-type: none"> <li>1) MDCH 600: Introduction to CHS</li> <li>2) MDCH 610: Essentials of Biostatistics</li> <li>3) MDCH 640: Fundamentals of Epidemiology</li> <li>4) MDCH 681: Health Research Methods</li> </ol>	All incoming PhD students are expected to have completed the required MDCH courses for Health Economics at the Master's level and/or other pre-requisite courses from elective courses. If not, there are two options: (i) complete the courses, or (ii) request an exemption <b>PRIOR</b> to start of program based on having completed equivalent courses at the Master's level at the same or another university.
<b>Health Economics Required Courses</b>	<ol style="list-style-type: none"> <li>1) Courses will be selected with the supervisor(s) and receive GPD approval depending on the student's Master's training and as appropriate to the advancement of the thesis research topic. If exemptions are not requested, incoming students are expected to complete two of the</li> <li>2) TWO of the following three courses: <ol style="list-style-type: none"> <li>(i) MDCH 661: Health Economics</li> <li>(ii) MDCH 662: Economic Evaluation</li> <li>(iii) MDCH 663: Decision Analysis in Health Economic Evaluation</li> </ol> </li> </ol>	
<b>Recommended Electives</b>	At least FOUR graduate level half course equivalents, including advanced methods courses, as recommended by the student's supervisor/committee appropriate to the advancement of the thesis research topic. Other courses offered at the University of Calgary or through the Western dean's Agreement ( <a href="https://grad.ucalgary.ca/current/managing-my-program/studying-at-another-university/western-deans">https://grad.ucalgary.ca/current/managing-my-program/studying-at-another-university/western-deans</a> ) may be used to fulfil elective requirements, with the approval of the student's supervisor(s) and home department GPD.	
<b>Seminars</b>	Students in MDCH 600 must attend all CHS-OIPH Weekly Seminars in the Fall and Winter terms, as well as monthly Health Economics and Health Technology Assessment Seminars. Additional seminars as recommended by student's supervisor/committee.	
<b>Candidacy Examination</b>	All coursework must be completed and the dissertation proposal approved and submitted to Ethics prior to the Candidacy Exam. The Candidacy Examination will consist of three written questions devised by the supervisory committee and an oral examination.	
<b>Thesis Research</b>	All coursework must be completed prior to the Final Thesis Examination. Refer to requirements of home program regarding Thesis Monograph or Manuscript-based.	
<b>Practicum</b>	None required, but typically, arranged in conjunction with the student's supervisor(s).	
<b>Health Economics Competencies</b>		