Complete a total of 8 credits:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLSC 6530</td>
<td>Dissemination and Implementation Research in Health</td>
<td>3</td>
</tr>
<tr>
<td>CLSC 6770</td>
<td>Designs and Mixed Methods in Implementation Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Complete 4 Elective credits from the courses below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLSC 7663</td>
<td>Context &amp; Adaptation in D&amp;I Research</td>
<td>2</td>
</tr>
<tr>
<td>CLSC 6770</td>
<td>Implementation Science Grant and Article Funding</td>
<td>2</td>
</tr>
<tr>
<td>CLSC 6850</td>
<td>Adv Topics: Dissemination and Implementation Science</td>
<td>1</td>
</tr>
</tbody>
</table>

Electives approved by Certificate Director (variable in length)

### Learning Objectives

- Perform human research adhering to legal, ethical and regulatory principles and guidelines
- Critically appraise existing literature and sources of information
- Apply evidence based practice principals
- Accurately select, use and interpret commonly used statistics
- Apply and use appropriate study designs and methods to address research questions/hypotheses
- Identify and measure clinically relevant and meaningful outcomes
- Design and conduct research studies
- Publish research-based manuscripts to peer-reviewed journals
- Prepare and submit grant proposals
- Provide constructive reviews and feedback to colleagues
- Demonstrate effective communication and leadership skills
- Participate in interdisciplinary collaboration

### Courses

Please visit the D&I Certificate website for course information: [https://medschool.cuanschutz.edu/accords/cores-and-programs/dissemination-implementation-science-program/d-i-certificate-program](https://medschool.cuanschutz.edu/accords/cores-and-programs/dissemination-implementation-science-program/d-i-certificate-program)

CLSC 7653 - Dissemination and Implementation Research in Health (3 Credits)

Introduces dissemination and implementation (D&I) research and practice in the context of health (i.e. translational research in health). This is a graduate level course and students should have a working understanding of study designs and statistics.  

Grading Basis: Letter Grade  
Typically Offered: Fall, Spring.

CLSC 6560 - Designs and Mixed Methods in Implementation Research (3 Credits)

This course provides an in-depth examination of study designs, comparative effectiveness research, and qualitative, quantitative and mixed methods approaches to dissemination and implementation research. The focus is application to health care and public health settings. Prerequisite: CLSC 7653.  

Grading Basis: Letter Grade  
Typically Offered: Fall, Spring.

### Certificate Requirements

Complete a total of 12 credit hours over a 3-year period:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLSC 6750</td>
<td>Designing for Dissemination, Sustainability, and Equity</td>
<td>2</td>
</tr>
</tbody>
</table>

There is one application cycle per year with a start date in the Fall (August) semester. Please see website for additional requirements.
CLSC 6750 - Designing for Dissemination, Sustainability, and Equity (2 Credits)
This course provides an introduction to designing for the dissemination and sustainability of health innovations in clinical and translational research and practice, using a co-creation engagement approach, and with a focus on equity.
Grading Basis: Letter Grade
Typically Offered: Fall.

CLSC 7663 - Context & Adaptation in D&I Research (2 Credits)
This course covers concepts, frameworks, and methods for understanding and assessing context and guiding adaptations as relevant to dissemination and implementation (D&I) health research and practice. Prerequisite - CLSC 7653.
Grading Basis: Letter Grade
Typically Offered: Spring.

CLSC 6770 - Implementation Science Grant and Article Funding (2 Credits)
This course provides an in-depth examination of issues in submitting successful grant proposals in Dissemination & Implementation research. The course will build upon good general practices in grant and manuscript preparation and submission. Prerequisite: CLSC 7653
Grading Basis: Letter Grade
Typically Offered: Summer.

CLSC 6850 - Adv Topics: Dissemination and Implementation Sci (1 Credit)
Provides an overview of intermediate and advanced dissemination and implementation (D&I) science research methods in a small group discussion format. This interactive seminar series structure allows for interdisciplinary scientific dialogue among students at various stages.
Prerequisite: CLSC 7653.
Grading Basis: Letter Grade
Repeatable. Max Credits: 2.
Typically Offered: Fall, Spring.

Please refer to the Graduate School Policies page (http://catalog.ucdenver.edu/cu-anschutz/schools-colleges-programs/graduate-school/#policiestext).

Contact Us
Please visit the D&I Certificate website for contact information: https://medschool.cuanschutz.edu/accords/cores-and-programs/dissemination-implementation-science-program/d-i-certificate-program

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