DISSEMINATION & IMPLEMENTATION SCIENCE (CERTIFICATE)

Overview

Dissemination and Implementation (D&I) science is the study of methods and strategies to facilitate the spread, adoption, implementation, and sustainment of evidence-based practices, interventions and policies in real-world and diverse health settings. As a transdisciplinary scientific field, D&I science can address multiple cross-cutting research topics (e.g., reducing disparities in access to and quality of care; use of innovative technologies and data science to improve routine care) and health conditions (e.g., mental health, cancer and cardiovascular disease morbidity and mortality, geriatric care) of high priority. D&I Science also has the potential to make precision health more actionable and relevant and can make the translation of discoveries in this and other high priority areas more rapid.

The D&I Science Graduate Certificate Program is designed to provide pragmatic training to researchers who want to develop competencies in D&I science and practice which can be applied across multiple topic areas and settings in health services, clinical and community health, and public health research. The program is intended to provide researchers with solid foundational skills in D&I science, as well as intermediate and advanced skills in select D&I competency areas.

The D&I Science Graduate Certificate Program has three sponsoring units. The Adult and Child Consortium for Health Outcomes Research and Delivery Science (ACCORDS) acts as the primary sponsor, and the Clinical Science Graduate Programat the University of Colorado Anschutz Medical Campus acts as the secondary sponsor. The Colorado Implementation Science Center for Cancer Control and Prevention (1 P50 CA244688-01) serves as an additional sponsor. It is coordinated through the ACCORDS Dissemination and Implementation Science Program.

Admission Requirements

Please visit the D&I Certificate website for admission 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/)

- Degree: BA/BS
- GPA: minimum of 3.00 recommended

There is one application cycle per year with a start date in the **Fall** (August) semester. Please see website for additional requirements.

Certificate Requirements

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

Code	Title	Hours
Complete the following 8 credits:		
CLSC 6750	Designing for Dissemination, Sustainability, and Equity	2
CLSC 7653	Dissemination and Implementation Research in Health	3
CLSC 6560	Designs and Mixed Methods in Implementation Research	3
Complete 4 Elective credits from the courses below:		
CLSC 7663	Context & Adaptation in D&I Research	2
CLSC 6770	Implementation Science Grant and Article Funding	2
CLSC 6850	Adv Topics: Dissemination and Implementation Sci	1
Electives approved by Certificate Director (variable in length)		

Learning Objectives

- Perform human research adhering to legal, ethical and regulatory principles and 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.

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 (https://medschool.cuanschutz.edu/accords/cores-and-programs/dissemination-implementation-science-program/d-i-certificate-program/)

Galit Mankin, MSW
Program Administrator
303-724-1214
Galit.Mankin@cuanschutz.edu

Amanda Whiting
Program Assistant
Amanda.G.Whiting@cuanschutz.edu