**Clinical and Community Outcomes Research, Graduate/Professional Certificate**

**Overview**

Students who are interested in solving problems in community health, health services, or health policy, may want to supplement their training with the Certificate in Clinical and Community Outcomes Research.

Current research investments reflect an emphasis on research that looks for ways to translate what has been learned in controlled settings into positive outcomes in clinical practice and community health. This research requires the ability to:

- consider multiple factors that interact to influence a community or organization;
- form and manage research partnerships with communities and organizations;
- evaluate whether a health intervention or prevention method works or will be used; and
- articulate policy implications of health issues and interventions.

The Certificate in Clinical and Community Outcomes Research focuses on the development of these skills.

The certificate addresses a well-documented gap in what should be a continuum between basic health and medical research discoveries and the application of those discoveries in clinical and public health practice. To bridge this gap new discoveries must move beyond efficacy studies to research that tests effectiveness in real-world settings, exploring factors that facilitate or impede positive health outcomes. This research requires engagement among community members, organizations, clinicians and researchers as partners in the research process and draws on a distinct set of skills. This certificate focuses on the development of skills to engage successfully in clinical and community health outcomes research.

**Admissions**

**Application Guidelines**

The Institute for Clinical and Translational Research (ICTR) is the administrative home of the Certificate in Clinical and Community Outcomes Research. Detailed information about the curriculum, admission requirements, application procedures, and student services coordinators is posted on the ICTR website (http://www.ictr.wisc.edu).

Whether a student enrolls in the graduate/professional certificate or capstone certificate program will depend on their educational goals. (Course requirements are the same for all.)

**Graduate/Professional Certificate Prerequisites and Application and Enrollment Procedures**

Graduate and professional students from any discipline are eligible to apply for enrollment in the graduate/professional certificate program. To be considered for admission, complete the following application procedures.

1. Print and complete the certificate application form (available on the program website (https://ictr.wisc.edu/T2TRCertificate)).
2. Send the completed application to Deidre Vincevineus, 2112 T HSLC, University of Wisconsin, Madison, WI 53705; vincevineus@wisc.edu.
3. Applications are reviewed on a rolling basis by the certificate advisory committee.
4. Notification of admission to the certificate program: If the student has completed the application procedures described above, notification of the admission decision will be received within three weeks. Students with questions about the status of their application should contact Deidre Vincevineus at vincevineus@wisc.edu.
5. After the student is admitted, the certificate advisory committee will review the stated research interests and recommend an advisor. An objective is to match students with an advisor from a discipline other than their own, to expose students to a variety of perspectives. Students will be notified with the name and contact information of their advisor. They should schedule a meeting with the certificate advisor within the first month after being admitted to identify learning and career objectives, and to discuss the program in relation to student goals.
6. Note to Ph.D. students: Ph.D. students may want to start the graduate/professional certificate program early enough to be finished before starting the dissertation because university policy states: “If a dissertator wants to pursue a graduate degree or certificate in another area, the dissertator fee status will be discontinued and regular graduate fees will be assessed, with possible consequences listed above.” See the Graduate School’s policy on Dissertator Status (https://grad.wisc.edu/acadpolicy/#dissertationstatus).

**Funding**

**Tuition**

The fee structure for the certificate is the same as that of the UW-Madison Master of Public Health (MPH) program, which is posted here (http://registrar.wisc.edu/tuition_&_fees.htm). To view the applicable tuition information, select the term/semester you intend to enroll and, under “Student Career,” select Master of Public Health (MPH) in the drop-down box. The certificate program is 13 to 15 total credit hours. Most of our students enroll in an average of one 3-hour course per semester. Approved, previously completed course work can be retroactively applied to fulfill certificate requirements.

**Requirements**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>POP HLTH 709</td>
<td>Translational and Outcomes Research in Health and Health Care</td>
<td>3</td>
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### Electives

Select one course from each of the following areas:\(^1\)

**Working with Communities**
- HDFS 872: Bridging the Gap Between Research and Action
- HDFS/ED PSYCH/NURSING/SOC WORK 880: Prevention Science
- I SY E 417: Health Systems Engineering
- I SY E/POP HLTH 703: Quality of Health Care: Evaluation and Assurance
- NURSING 702: Health Promotion and Disease Prevention in Diverse Communities
- NURSING 761: Health Program Planning, Evaluation, and Quality Improvement
- OTM 753: Healthcare Operations Management
- OTM 758: Managing Technological and Organizational Change
- OTM 770: Sustainable Approaches to System Improvement
- S&A PHM 652: Pharmacist Communication: Educational and Behavioral Interventions
- POP HLTH/I SY E 703: Quality of Health Care: Evaluation and Assurance
- POP HLTH 780: Public Health: Principles and Practice
- SOC/C&E SOC 573: Community Organization and Change
- SOC/C&E SOC/URB R PL 617: Community Development

**Quantitative Methods Relevant to Clinical and Community Outcomes Research**
- ED PSYCH 762: Introduction to the Design of Educational Experiments
- NURSING 803: Advanced Quantitative Design and Methods
- S&A PHM 711: Research Methods for Pharmaceutical Outcomes and Policy Research
- POP HLTH 796: Introduction to Health Services Research
- POP HLTH 803: Monitoring Population Health
- PUB AFFR 818: Introduction to Statistical Methods for Public Policy Analysis
- PUB AFFR 819: Advanced Statistical Methods for Public Policy Analysis
- PUB AFFR/POLI SCI 871: Public Program Evaluation
- SOC WORK 650: Methods of Social Work Research
- SOC WORK/URB R PL 721: Methods of Planning Analysis
- SOC 751: Survey Methods for Social Research
- SOC 752: Measurement and Questionnaires for Survey Research

**Qualitative Methods Relevant to Clinical and Community Outcomes Research**
- ANTHRO 909: Research Methods and Research Design in Cultural Anthropology
- COUN PSY/CURRIC/ED POL/ED PSYCH/ELPA/RP & SE 788: Qualitative Research Methods in Education: Field Methods I
- CURRIC/COUN PSY/ED POL/ED PSYCH/ELPA/RP & SE 719: Introduction to Qualitative Research
- ELPA 824: Field Research Designs & Methodologies in Educational Administratn
- MED HIST 728: Biomedical Ethics and Society
- NURSING 804: Advanced Qualitative Design and Methods
- SOC/ED POL 955: Seminar-Qualitative Methodology
- CURRIC 714: Research and Evaluation Paradigms in Curriculum and Instruction
- ELPA 725: Research Methods and Procedures in Educational Administration
- MED PHYS/I SY E 559: Patient Safety and Error Reduction in Healthcare
- POP HLTH/I SY E 875: Cost Effectiveness Analysis in Health and Healthcare
- SOC/C&E SOC 750: Research Methods in Sociology
- GEN&SWS 900: Approaches to Research in Women's Studies/Gender Studies

**Project**
- Complete 2 credits\(^2\): 2

**Seminar**
- Select one of the following: 1
  - POP HLTH 990: Research
  - I SY E 990: Research and Thesis (section 30)

**Total Credits**: 13-15

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\(^1\) The certificate advisor can help students choose courses that qualify as fulfilling the three elective areas: (1) Working with Communities, (2) Quantitative, and (3) Qualitative Research Methods Relevant to Translational and Outcomes Research. At least one of the courses must be from outside the student’s major. Students may propose to their certificate advisor an alternative course (i.e., not on the list of approved electives) for consideration as elective credit, including a course that also fulfills a requirement for their degree program. For criteria and procedures, see CCOR Handbook on the program website (https://ictr.wisc.edu/certificate-research-programs).
Integrated courses. Some courses suggested for elective credit cover a combination of quantitative and qualitative research methods. To fulfill course requirements in the areas of both “Quantitative” and “Qualitative Research Methods Relevant to Translational and Outcomes Research,” students must complete one of each type of course or one integrated Quantitative/Qualitative course and an additional course from either the “Quantitative” or “Qualitative Research Methods Relevant to Translational and Outcomes Research” areas.

See “Project” under “Course Requirements” on the program website (https://ictr.wisc.edu/T2TRCertificate).

POP HLTH 990 Research. Choose section 990–092. This is the AQORN seminar (Access, Quality, and Outcomes Research Network), offered through the Health Innovations Program (HIP). AQORN is an informal lunchtime seminar that is open to University of Wisconsin faculty, staff, and students interested in health services research. AQORN meets for 90 minutes, sometimes as frequently as twice a month. At each meeting, someone who has a research project in progress presents information about their project. Then the group discusses and exchanges information and ideas relevant to the project. See the program website (https://ictr.wisc.edu/T2TRCertificate) for course-credit requirements and enrollment procedures.

I SY E 990 (section 030) - Systems Engineering Initiative for Patient Safety (SEIPS) - is a one-credit independent study course offered through the Department of Industrial and Systems Engineering. The instructor is Professor Pascale Carayon. To enroll, contact Professor Carayon (carayon@ie.engr.wisc.edu (Carayon@ie.engr.wisc.edu)). The student will be required to watch several online video lectures and write one-page summaries of two of the video lectures. The written summaries are due on the last day of class. The SEIPS seminars are available on the Video Library website (https://videos.med.wisc.edu/learningthemes) (After you open this page, scroll to the bottom.)

HIP Xchange (https://www.hipxchange.org)
Tools, videos, and data downloads to identify socioeconomic disadvantaged locations, improve patient engagement in research, identify patients with chronic conditions, and more.

Training-grant opportunities (https://sites.google.com/a/wisc.edu/training-resources)

LEARNING OUTCOMES

1. Develop a research question about a health concern of an actual community.
2. Select an evidence-based approach to addressing the health concern.
3. Involve investigators from two or more disciplines and/or stakeholders from two or more sectors as partners in your project.
4. Demonstrate an understanding of collaboration skills for sustainable partnerships, e.g., benefits to the community partner(s) are built into the project; evidence of partner input to project design.
5. Employ data gathering and analysis methods that respect community partners’ organizational culture, values, staffing, and work flow.

PEOPLE

FACULTY ADVISORS
- Barbara Bowers, Ph.D., R.N., School of Nursing, Certificate Program Director
- Pascale Carayon, Ph.D., College of Engineering, Department of Industrial and Systems Engineering
- Betty Chewning, Ph.D., School of Pharmacy
- Jan Greenberg, Ph.D., School of Social Work
- Barbara King, Ph.D., School of Nursing
- Maureen Smith, M.D., MPH, Ph.D., School of Medicine and Public Health

For online profiles, visit Handbook (https://sites.google.com/a/wisc.edu/t2tcertificate/handbook), Advisement.

POLICIES

The Graduate Program Handbook (https://sites.google.com/a/wisc.edu/t2tcertificate) is the repository for all of the certificate program’s policies and requirements.

PROFESSIONAL DEVELOPMENT

ADDITIONAL RESOURCES AND OPPORTUNITIES

UW Institute for Clinical and Translational Research (https://ictr.wisc.edu)
Resources to support clinical, translational and outcomes research

Mentoring
- Research Mentoring: https://mentoringresources.ictr.wisc.edu/
- The Individual Development Plan for mapping your mentee’s (graduate student and postdoc) academic and professional development: http://grad.wisc.edu/pd/idp

Qualitative and Mixed Methods Research Resources (https://sites.google.com/a/wisc.edu/qualitative-and-mixed-methods-resources)