

ADVANCED TRAINING IN CLINICAL RESEARCH (CERTIFICATE)

Visit program website. (<https://epibiostat.ucsf.edu/advanced-training-clinical-research/>)

Degree Offered: Certificate

Program Leadership:

Elaine Ku, MS, MAS, Director

Admissions Inquiries:

Clair Dunne, Program Administrator

Program Description

Advanced Training in Clinical Research (ATCR) Certificate Program (<https://epibiostat.ucsf.edu/advanced-training-clinical-research/>) is a four academic quarter (Summer, Fall, Winter, and Spring – ten calendar months) program consisting of fifteen required courses and a variety of electives that provide detailed instruction in the methods of clinical research and ongoing methodologic guidance as scholars begin to implement their research projects.

Admission Requirements

Possession of an undergraduate degree from an accredited institution with a minimum grade point average (GPA) of 3.0 (equal to a letter grade of "B"). Preference will be given to scholars who have demonstrated knowledge or experience in some aspect of a health-related field (e.g., clinical practice, public health, health promotion) by virtue of either possession of a graduate or professional doctoral degree (MD, DDS, PharmD, PhD or international equivalent), being currently enrolled in such a program, or relevant work experience. Although not required, this prior knowledge or experience is preferred because program scholars will be required to perform original research in an area of their choosing to fulfill graduation requirements. Prior substantive knowledge or experience in a health-related field can be very helpful in identifying a research area of interest and in maintaining motivation for the work.

Established relationship with a research mentor at UCSF, defined as a faculty member in either of the Schools of Medicine, Nursing, Pharmacy, or Dentistry. Scholars already at UCSF should have this established by the time of application. Those who are applying from outside UCSF should have this established by the beginning of the program. Applicants applying from outside UCSF are encouraged to identify and contact UCSF research mentors on their own or, after acceptance into the program, may request assistance from the TCR Program to help them identify a research mentor.

For scholars who are primarily based in other training programs at UCSF, supervisor's assurance that at least 70% of time will be available August through May to divide between the classroom activities of this program and the conduct of the trainee's clinical research projects.

Affirmation of the Professional Conduct Statement (<https://ucsf.app.box.com/file/1137421301764/?s=0iljb3ynyI9clnboi4t5tiopflu6hrqz>) (signed during orientation).

Application information can be found on our website (<https://epibiostat.ucsf.edu/advanced-training-clinical-research/>).

Learning Outcomes

To complete the program, scholars must accomplish program objectives, which are to:

1. Learn the methods required to perform both observational and experimental clinical research;
2. Plan and implement one or more clinical research projects; and
3. Analyze, interpret, and present clinical research data.

Degree Requirements

A total of 16 required courses (<https://epibiostat.ucsf.edu/advanced-training-clinical-research-certificate/>) (28.5 quarter credit units) must be successfully completed. In addition to the required courses, scholars are encouraged to take one or more elective courses (<https://epibiostat.ucsf.edu/individual-courses/>) according to their interests.

Core Courses

A total of 16 required courses (<https://epibiostat.ucsf.edu/advanced-training-clinical-research-certificate/>) (28.5 quarter credit units) must be successfully completed. In addition to the required courses, scholars are encouraged to take one or more elective courses (<https://epibiostat.ucsf.edu/individual-courses/>) according to their interests.

Course	Title	Units
Summer		
EPIDEMIOLOG 201	Responsible Conduct of Research	0.5
EPIDEMIOLOG 202	Designing Clinical Research (Two Month)	2
EPIDEMIOLOG 218	Data Collection and Management for Clinical Research	1
BIOSTAT 212	Introduction to Statistical Computing in Clinical Research	1
Units		4.5
Fall		
BIOSTAT 200	Biostatistical Methods in Clinical Research I	3
EPIDEMIOLOG 203	Epidemiologic Methods	4
EPIDEMIOLOG 204	Clinical Epidemiology *	3
EPIDEMIOLOG 220 or EPIDEMIOLOG 230	Master's Seminar I or ATCR Seminar	1
Units		11
Winter		
EPIDEMIOLOG 205	Clinical Trials	2
EPIDEMIOLOG 222	Social Determinants of Health and Health Disparities	1-2
EPIDEMIOLOG 220 or EPIDEMIOLOG 230	Master's Seminar I or ATCR Seminar	1
BIOSTAT 208	Biostatistical Methods II	3
Units		7-8
Spring		
EPIDEMIOLOG 212	Publishing and Presenting Clinical Research	1-1.5
BIOSTAT 209	Biostatistical Methods III	3
EPIDEMIOLOG 220 or EPIDEMIOLOG 230	Master's Seminar I or ATCR Seminar	1
Units		5-5.5
Total Units		27.5-29

* ATCR Certificate students may opt out of EPI 204. Students who opt out of EPI 204 must take the equivalent of 3 units in another elective(s) (<https://epibiostat.ucsf.edu/individual-courses/>).

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Find additional details on program of study for the Advanced Training in Clinical Research (ATCR) Certificate Program (<https://epibiostat.ucsf.edu/advanced-training-clinical-research/>).