ADVANCED TRAINING IN CLINICAL RESEARCH (CERTIFICATE)

Visit program website. (https://epibiostatlearning.ucsf.edu/certificate-advanced-training-clinical-research-atcr)

Degree Offered: Certificate
Program Leadership:
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Program Description

Advanced Training in Clinical Research (ATCR) Certificate Program (https://epibiostatlearning.ucsf.edu/certificate-advanced-training-clinical-research-atcr) is a four academic quarter (Summer, Fall, Winter, and Spring — ten calendar months) program. Students are required to complete a minimum of 28 units, including 13 required courses. Students can take 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

The following qualifications are required:

- An undergraduate degree from an accredited institution with a minimum grade point average of 3.0 (equal to a letter grade of B).
- Preference will be given to applicants who have demonstrated knowledge or experience in some aspect of a health-related field (e.g., clinical practice, public health, health promotion) though such knowledge is not required.
- Ability to devote 50% time to formal coursework and attend a longitudinal seminar series in person.
- International scholars must demonstrate proficiency in the English language. Please visit the Graduate Education and Postdoctoral Affairs (https://graduate.ucsf.edu/) website for specific guidelines on how this requirement can be met: International Admission Requirements (https://graduate.ucsf.edu/admission/intl-admission-requirements)
- UCSF does not use race, gender, sex, or other protected categories or proxies for protected categories in the admissions process.

Application information can be found on our website (https://epibiostatlearning.ucsf.edu/certificate-advanced-training-clinical-research-atcr).

Learning Outcomes

Through required coursework, students learn the methods to:

- perform both observational and experimental clinical research;
- apply clinical research methods to one or more projects; and
- analyze, interpret and present their clinical research data.

Upon completion of the program, graduates receive a certificate of completion from UCSF in Advanced Training in Clinical Research. Graduates are poised to work in a variety of research settings, including universities, public health departments, foundations and private industry. (Note: The program does not provide instruction in laboratory investigation and is not intended for scholars who envision themselves working primarily in a wet laboratory.)

The ATCR Certificate program can be taken either as a stand-alone educational program or as a steppingstone to a more advanced degree program, such as the UCSF Masters in Advanced Studies Clinical and Epidemiological Research (https://epibiostatlearning.ucsf.edu/master-science-clinical-epidemiological-research) or the UCSF PhD in Epidemiology and Translational Science (https://epibiostatlearning.ucsf.edu/phd-epidemiology-and-translational-science).

Degree Requirements

Students are required to successfully complete a total of 28 quarter credit units of required and elective courses.

Core Courses

A minimum of 28 units is required to meet the Certificate's graduation requirements. There are 13* required courses (https://epibiostatlearning.ucsf.edu/certificate-advanced-training-clinical-research-atcr) (22.5 quarter credit units). In addition to the required courses, scholars can take elective courses (https://epibiostatlearning.ucsf.edu/individual-courses) to address the unit difference between the core/required course units and the required units required by the Certificate.

*EPI 204 is not included in this calculation.

Course	Title	Units
Summer		
BIOSTAT 212	Introduction to Statistical Computing in Clinical Research	1
EPIDEMIOL 202	Designing Clinical Research (Two Month)	2
EPIDEMIOL 218	Data Collection and Management for Clinical Research	1
	Units	**4**
Fall		
BIOSTAT 200	Biostatistical Methods in Clinical Research I	3
EPIDEMIOL 201	Responsible Conduct of Research [1]	0.5
EPIDEMIOL 203	Epidemiologic Methods	4
EPIDEMIOL 204	Clinical Epidemiology [2]	3
EPIDEMIOL 230	ATCR Seminar	1
	Units	**11.5**
Winter		
BIOSTAT 208	Biostatistical Methods II	3
EPIDEMIOL 222	Social Determinants of Health and Health Disparities [3]	1
EPIDEMIOL 230	ATCR Seminar	1
	Units	**5**
Spring		
BIOSTAT 209	Biostatistical Methods III	3
EPIDEMIOL 227	Building a Clinical Research Career	1
EPIDEMIOL 230	ATCR Seminar	1
	Units	**5**
	Total Units	**25.5**

1. EPIDEMIOL 201 is offered in Fall and Spring and may be taken in either quarter.
2. ATCR Certificate students may opt out of EPIDEMIOL 204. Students who opt out of EPIDEMIOL 204 must take the equivalent of 3 units in another elective(s) (https://epibiostat.ucsf.edu/individual-courses).

[3] This is a 1-2 unit course. Students are only required to complete the 1-unit section of this course but are welcome to take this as a 2-unit course.
[4] Electives may be taken at any point during the year.
[5] Highly recommended electives:
Clinical Trials (EPIDEMIOL 205)
Biostatistical Methods IV (BIOSTAT 210)
[6] Learners will be required to take electives to meet the minimum unit requirement of 28.5.

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