

Clinical and Translational Science, Certificate

Requirements

The undergraduate Certificate in Clinical and Translational Science requires 16 s.h. of credit. Students must maintain a grade-point average of at least 3.00 in the certificate's core courses. Work for the certificate includes core courses and electives. Students must complete all coursework for the certificate within three years of entering the program.

The Certificate in Clinical and Translational Science requires the following coursework.

Core Courses

Course #	Title	Hours
All of these (10 s.h.):		
EPID:4400	Epidemiology I: Principles	3
STAT:3510/ IGPI:3510	Biostatistics (or an equivalent course)	3
URES:3001	Introduction to Translational Research (must take EPID:4400 before or at the same time as this course)	2
URES:3002	Practicum in Clinical and Translational Science (capstone course; must take URES:3001 before this course)	2

Electives

Students must earn a total of 6 s.h. in courses chosen from the following lists.

Creative Writing

Course #	Title	Hours
CNW:3664/ ENGL:3764	Writing About Science	3

Life Sciences

Course #	Title	Hours
BIOL:2254	Endocrinology	3
BIOL:2723	Cell Biology	3
BIOL:2753	Introduction to Neurobiology	3
BIOL:3233	Introduction to Developmental Biology	3
BIOL:3253	Neurobiology I	4
BIOL:3713	Molecular Genetics	4
BIOL:4213/ GENE:4213/ IGPI:4213	Bioinformatics	2,4
BIOL:4333	Genes and Development	3
BMB:3110	Biochemistry	3
BMB:3120	Biochemistry and Molecular Biology I	3

BMB:3130	Biochemistry and Molecular Biology II	3
MICR:2157	General Microbiology	3
MICR:3147	Immunology and Human Disease	3

Global Health

Course #	Title	Hours
GHS:3010/ IGPI:3011	Social Science Approaches to Global Health (when topic is research design in global health)	3
GHS:3111/ SEES:3110	Geography of Health	3
GHS:3720	Contemporary Issues in Global Health	3

Health and Human Physiology

Course #	Title	Hours
ACB:3110	Principles of Human Anatomy	3
HHP:2100	Human Anatomy	3
HHP:2130	Human Development Through the Life Span	3
HHP:2200	Physical Activity and Health	3
HHP:2310	Nutrition and Health	3
HHP:2400	Fundamentals of Human Physiology	3
HHP:3500	Human Physiology	3
HHP:3850/ GHS:3850	Promoting Health Globally	3
NURS:1030	Human Development and Behavior	3

Psychological and Brain Sciences

Course #	Title	Hours
PSY:2301	Introduction to Clinical Psychology	3
PSY:2401	Introduction to Developmental Science	3
PSY:2501	Introduction to Social Psychology	3
PSY:2601	Introduction to Cognitive Psychology	3
PSY:2701	Introduction to Behavioral Neuroscience	4

Public Health

Course #	Title	Hours
CBH:4105	Introduction to Health Promotion and Disease Prevention	3
CPH:1400	Fundamentals of Public Health	3
CPH:3400/ SEES:3250	Health, Work, and the Environment	3
CPH:3500/ GHS:3500	Global Public Health	3
HMP:4000	Introduction to the U.S. Health Care System	3
OEH:4240	Global Environmental Health	3