

Medical Genomics & Counseling Certificate

Department of Biological and Allied Health Sciences
Effective Spring 2017

Health Science Core Requirements (26 credits):

BIOLOGY.114 Concepts in Biology I
BIOLOGY.173 Anatomy and Physiology I
BIOLOGY.174 Anatomy and Physiology II
BIOLOGY.208 Medical Terminology
BIOLOGY.242 Microbiology
BIOLOGY.271 Cell Biology
BIOLOGY.233 Human Genetics

Related Core Requirements (11 credits):

CHEM.115 Chemistry for the Sciences I
CHEM.116 Chemistry for the Sciences II
MATH.141 Introduction to Statistics

Recommended for MG&C

CHEM.230 Fund Organic Chemistry
CHEM.341 Biochemistry
PSYCH.101 General Psychology
PSYCH.235 Intro to Abnormal Psych
SOC.211 Principles of Sociology
PHIL.290 Medical Ethics

Other Requirements (11 credits):

BIOLOGY.205 Intro Nutrition
BIOLOGY.474 Human Physiology
BIOLOGY.479 Integrated Physiology Lab
BIOLOGY.481 Senior Bio Seminar
MATH.123 Essentials of Calculus (MATH.113, MATH.116 or MATH.125 can be substituted)

Health Science Electives (15 credits):

For the Medical Genomics & Counseling Certificate select courses indicated with *

BIOLOGY.332 Genetics*	BIOLOGY.435 Bioinformatics*
BIOLOGY.333 Molecular Biology*	BIOLOGY.442 Virology
BIOLOGY.342 Medical Microbiology	BIOLOGY.445 Pharmacology for Health Sci
BIOLOGY.343 Immunology	BIOLOGY.470 Medical Parasitology
BIOLOGY.361 Comp. Vert. Anatomy	BIOLOGY.472 Animal Cell Physiology
BIOLOGY.364 Vertebrate Histology	BIOLOGY.473 Cancer Biology
BIOLOGY.390 Research Biology 1* or BIOLOGY.490 Internship in Bio. (Health)	BIOLOGY.476 Neurophysiology
BIOLOGY.411 Radiation Biology	BIOLOGY.480 Comp. Animal Phys.
BIOLOGY.431 Developmental Biology	BIOLOGY.489 Topics-Medical Genetics*