

Medical Genomics & Counseling Certificate

Department of Biological and Allied Health Sciences
Effective Fall 2020

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.303 Health Sciences Seminar
BIOLOGY.474 Human Physiology
BIOLOGY.479 Integrated Physiology Lab
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.436 Medical Genomics*
BIOLOGY.342 Medical Microbiology	BIOLOGY.442 Virology
BIOLOGY.343 Immunology	BIOLOGY.445 Pharmacology for Health Sci
BIOLOGY.361 Comp. Vert. Anatomy	BIOLOGY.470 Medical Parasitology
BIOLOGY.364 Vertebrate Histology	BIOLOGY.472 Animal Cell Physiology
BIOLOGY.390 Research Biology 1* or BIOLOGY.490 Internship in Bio. (Health)	BIOLOGY.473 Cancer Biology
BIOLOGY.411 Radiation Biology	BIOLOGY.476 Neurophysiology
BIOLOGY.431 Developmental Biology	BIOLOGY.480 Comp. Animal Phys.