

Undergraduate Certificate in Genome Medicine

Required Courses:

BIOL 3111	Genomics in Medicine	3 Credits
BIOL 3112	Fundamentals in Evolutionary Genomic Medicine	3 Credits
Electives	(see below)	6-8 Credits
TOTAL Credits		12-14

Biology Electives

BIOL 2296	Genetics	3 Credits
BIOL 3101	Evolution	3 Credits
BIOL 3128	Genomics and Infectious Disease Dynamics	3 Credits
BIOL 3201	Human Genetics	3 Credits
BIOL 3225	Evolutionary Genetics	4 Credits
BIOL 3241	Genomics and Evolutionary Biology of Parasites and Other Dependent Species	3 Credits
BIOL 3368	Biology of Cancer	3 Credits
BIOL 3403	Genomic Biology	3 Credits

Computational Electives

MATH 3043	Numerical Analysis I	3 Credits
CIS 1053	Programming in MATLAB	4 Credits
CIS 1057	Computer Programming in C	4 Credits
CIS 1068	Program Design and Abstraction	4 Credits