

MOLECULAR GENETICS B.S.

All students must meet the Degree and University Requirements.

All students must meet the Catamount Core Curriculum Requirements.

All students must meet the College Requirements.

MAJOR REQUIREMENTS

MMG 1010	First Year Colloquium	1
MMG 1020	Unseen Wrlds:Microbes & You	3
BCOR 1400 & BCOR 1450	Exploring Biology 1 and Exploring Biology 2	4-8
or BCOR 1425	Accelerated Biology	
CS 1210	Computer Programming I	3
MATH 1212	Fundamentals of Calculus I	3-4
or MATH 1234	Calculus I	
CHEM 1400	General Chemistry 1	4
CHEM 1450	General Chemistry 2	4
CHEM 2580	Organic Chemistry 1	4
CHEM 2585	Organic Chemistry 2	4
MMG 2010	Microbiol & Infectious Disease	4
MMG 2040	Intro Molecular Genetics	4
MMG 2060	Intr Biomedical Research Meth	3
BCOR 2300	Genetics	3
MMG 2990	Special Topics (Molecular Cell Biology w/o Lab)	3-4
or BCOR 2500	Molecular & Cell Biology w/lab	
BIOC 3075	Adv Biochem of Human Disease	3
or MMG 3050	Biochemistry I	
or BIOC 3001	Fundamentals of Biochemistry	
or MMG 3060	Biochemistry II	
STAT 1410	Basic Statistical Methods 1	3
or STAT 3000	Med Biostat&Epidemiology	
MMG 4899	Senior Seminar	1
Choose 6 credits from the following MMG courses:		6
MMG 3010	Applied Cell & Mol Bio Lab	
MMG 3330	Genetics and Genomics	
MMG 3990	Special Topics	

Choose 9 credits from the following MMG courses:		9
MMG 3070	Biochemistry Lab	
MMG 3110	Bacterial Genetics	
MMG 3200	Environmental Microbiology	
MMG 3220	Adv Medical Microbiology w/lab	
MMG 3230	Immunology	
MMG 3250	Eukaryotic Virology	
MMG 3300	Adv St Emerg Infec Dis	
MMG 3310	Survey Bioinformatic Databases	
MMG 3320	Advanced Bioinformatics	
Choose 6 additional credits from above and/or below courses:		6
MMG 2995	Undergraduate Research	
MMG 3995	Undergraduate Research	
MMG 3990 & MMG 5990	Special Topics and Special Topics	
MMG 4990 & MMG 2990	Special Topics and Special Topics	
ASCI 3180	Endocrinology	
BIOL 3560	Developmental Biology	
BIOL 3505	Neurobiology	
MLS 3300	Clinical Microbiology II	
BHSC 3420	Immunology	
BHSC 3440	Immunology Lab	
NFS 3990	Special Topics (Food Microbiology)	
PHRM 3010	Pharmacology and Therapeutics	
PHRM 5400	Molecules & Medicine	
PHRM 3720	Toxicology	
PHRM 3900	Topics Molecular&Cell Pharm	