

BIOINFORMATICS MINOR**REQUIREMENTS**

MMG 2040	Intro Molecular Genetics	4
MMG 3310	Survey Bioinformatic Databases	3
MMG 3320	Advanced Bioinformatics	3
9 credits from the following courses:		
MMG 2995	Undergraduate Research (Advisor Approval for 2995 or 3995 Required)	
or MMG 3995 Undergraduate Research		
MMG 3110	Bacterial Genetics	
MMG 3330	Genetics and Genomics	
CS 2100	Intermediate Programming	
CS 2240	Data Struc & Algorithms	
CS 3540	Machine Learning	
BME 3990	Special Topics (when the topic is Computational Systems Biology)	
STAT 1870	Intro to Data Science	
STAT 2870	Basics of Data Science	
STAT 3000	Med Biostat&Epidemiology	
STAT 3010	Stat Computing&Data Anlysis	
19 credits of bioinformatics course work		19

PRE/CO-REQUISITES

BIOL 1400	Principles of Biology 1	4
or BIOL 1450 Principles of Biology 2		
or BCOR 1400 Exploring Biology 1		
or BCOR 1450 Exploring Biology 2		
CS 1210	Computer Programming I	3
STAT 1110	Elements of Statistics	3
or STAT 1410 Basic Statistical Methods 1		
or STAT 2430 Statistics for Engineering		