

BIOINFORMATICS AND COMPUTATIONAL BIOLOGY, MASTER OF SCIENCE (M.S.)

Course	Title	Credits
Core Requirements		
BIOL601	Probability and Statistics	3
BIOL602	Principles of Data Science	3
BIOL603	Principles of Machine Learning	3
BIOL604	(Principles of Molecular Biology, Genetics, and Genomics)	3
BIOL605	(Data Sources and Data Management in Bioinformatics)	3
BIOL606	(Sequence and Alignment)	3
BIOL607	(Data Structures and Algorithms for Bioinformatics)	3
BIOL610	(Genome Annotation)	3
BIOL611	(Analysis of Gene Expression Data)	3
Elective Requirement (choose one of the following):		3
BIOL621	(Genome Assembly and Annotation)	
BIOL622	(Metagenomics Data Analysis)	
BIOL699	(Capstone Research)	
Total Credits		30