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

Course	Title	Credits
Core Requirements		
BIOI601	Probability and Statistics	3
BIOI602	Principles of Data Science	3
BIOI603	Principles of Machine Learning	3
BIOI604	(Principles of Molecular Biology, Genetics, and Genomics)	3
BIOI605	(Data Sources and Data Management in Bioinformatics)	3
BIOI606	(Sequence and Alignment)	3
BIOI607	(Data Structures and Algorithms for Bioinformatics)	3
BIOI610	(Genome Annotation)	3
BIOI611	(Analysis of Gene Expression Data)	3
Elective Requirement (choose one of the following):		**3**
BIOI621	(Genome Assembly and Annotation)	
BIOI622	(Metagenomics Data Analysis)	
BIOI699	(Capstone Research)	
Total Credits		**30**