MINOR IN BIOINFORMATICS

Requirements
Effective Fall 2023

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

A minimum grade of a C (2.000) is required in all courses required for the minor.

Code	Title	Credits
BZ 360	Bioinformatics and Genomics	4
CS 220	Discrete Structures and their Applications	4
CS 345	Machine Learning Foundations and Practice	3
CS 425	Introduction to Bioinformatics Algorithms	4
Select one course from the following:		4
MATH 155	Calculus for Biological Scientists I (GT-MA1)	
MATH 156	Mathematics for Computational Science I (GT-MA1)	
MATH 160	Calculus for Physical Scientists I (GT-MA1)	
Select one course from the following:		2-3
CS 150B	Culture and Coding: Python (GT-AH3)	
CS 152	Python for STEM	
Select one course from the following:		3-4
BZ 110	Principles of Animal Biology (GT-SC2)	
BZ 120	Principles of Plant Biology (GT-SC1)	
LIFE 102	Attributes of Living Systems (GT-SC1)	
Select one course from the following:		2-4
CS 163	CS1---No Prior Programming Experience	
CS 164	CS1--Computational Thinking with Java	
DSCI 235	Data Wrangling	
Select one course from the following:		3
STAT 301	Introduction to Applied Statistical Methods	
STAT 303/ ECE 303	Introduction to Communications Principles	
STAT 307	Introduction to Biostatistics	
STAT 315	Intro to Theory and Practice of Statistics	
Program Total Credits:		**29-33**