

BIOINFORMATICS MINOR REQUIREMENTS

Code	Title	Units
Minor Requirements - 23 Units		
BIOLOGY 448	BIOINFORMATICS	3
COMPSCI 170	INTRODUCTION TO PYTHON PROGRAMMING	3
COMPSCI 181	INTRODUCTION TO DATABASE AND THE WEB	3
Select 8-9 units from the following groups:		8-9
2A. BIOLOGICAL FOCUS: ²		
BIOLOGY 142	INTRODUCTORY BIOLOGY II	
Select one of the following:		
BIOLOGY 225	SCIENCE OF FORENSIC ANALYSIS ¹	
BIOLOGY 251	INTRODUCTION TO GENETICS	
BIOLOGY 446	ORGANIC EVOLUTION ¹	
2B. COMPUTATIONAL FOCUS: ²		
COMPSCI 172	INTRODUCTION TO JAVA ¹	
or COMPSCI 174 INTRODUCTION TO C++		
COMPSCI 220	INTERMEDIATE JAVA ¹	
or COMPSCI 222 INTERMEDIATE C++		
COMPSCI 215	DISCRETE STRUCTURES	
Select 6 units from the following:		6
BIOLOGY 301	INTRODUCTION TO BEHAVIORAL NEUROSCIENCE	
or PSYCH 301 INTRODUCTION TO BEHAVIORAL NEUROSCIENCE		
BIOLOGY 416	ADVANCED AND MULTIVARIATE DATA ANALYSIS FOR THE LIFE SCIENCES	
or PSYCH 416 ADVANCED AND MULTIVARIATE DATA ANALYSIS FOR THE LIFE SCIENCES		
BIOLOGY 363	MOLECULAR BIOLOGY	
BIOLOGY 421		
BIOLOGY 446	ORGANIC EVOLUTION	
BIOLOGY 456	BIOCHEMISTRY OF METABOLISM AND SIGNALING	
BIOLOGY 498R	INDEPENDENT STUDY - UNDERGRADUATE RESEARCH	
CHEM 454	BIOCHEMISTRY OF MACROMOLECULES	
CHEM 458	ADVANCED BIOCHEMISTRY LABORATORY	
CHEM 498R	INDEPENDENT STUDY - UNDERGRADUATE RESEARCH	
COMPSCI 223	DATA STRUCTURES	
COMPSCI 332	INTRODUCTION TO ARTIFICIAL INTELLIGENCE	
COMPSCI 347		
COMPSCI 366	DATABASE MANAGEMENT SYSTEMS	
COMPSCI 433	THEORY OF ALGORITHMS	
COMPSCI 498	INDEPENDENT STUDY IN COMPUTER SCIENCE	
PSYCH 498	INDEPENDENT STUDY	

STAT 342 APPLIED STATISTICS

Total Units 23

Footnotes

- ¹ Require Personalization
- ² Computer Science and related majors should complete the Biological Focus (2A). Natural Science and related majors should complete the Computational Focus (2B).