*Tentative** Biology Related Area Coursework*

(If 36 Upper Division Units have been completed, additional Upper Division Units completed will count towards Related Area Unit requirement)

	Fall	Winter	Spring	Summer
******ANTH 146*** Primate Social Behavior (4)				
ANTH 152 Evolution of the First Hominids (4)	✓			
ANTH 153 Evolution of the Genus Homo (4)			✓	
ANTH 155 Human Osteology (6)	✓			
BCH 015 Introductory Biochemistry Laboratory (3)	✓	✓		
BCH 110A (If not applied to Upper Division) General Biochemistry (4)	✓	✓		
BCH 110C General Biochemistry (4)			✓	
BCH 120 Topics in Human Biochemistry (4)			✓	
BCH 162 Advanced Biochemistry Laboratory (5)		✓	✓	
BCH 183 Plant Biochemistry and Pharmacology of Plant Metabolites (4)	✓			
BCH 184 Topics in Physical Biochemistry (4)		✓		
BIOL 194, 197, 199 (9 units max) Biology Research	✓	✓	✓	✓
BPSC 109 Epigenetics (4)		✓		
BPSC 135 Plant Cell Biology (4)		✓		
BPSC 146 Plant Ecology (4)	✓		✓	
BPSC 149 Nanobiotechnology (2)		✓		
BPSC 150 Genes, Selection and Populations (4)			✓	
******BPSC 185*** Molecular Evolution (4)				
CBNS 116 Human Neuroanatomy: Structure-Function Relationships (4)			✓	✓
CBNS/PSYC 120 Cellular Neuroscience: Membrane & Synaptic Phenomena (4)		✓		✓
CBNS/PSYC 120L Neuroscience Laboratory (2)		✓	✓	✓
CBNS/PSYC 121 Developmental Neuroscience (4)	✓			✓
CBNS/PSYC 124 Systems Neuroscience (4)	✓		✓	✓
CBNS/PSYC 125 Neuropharmacology (4)			✓	✓
CBNS/PSYC 126 Neuroscience of Learning and Memory (4)	✓			✓
CBNS/PSYC 127 Behavioral Control Systems (4)			✓	
******CBNS 133*** Scientific Writing for Cell, Molecular & Developmental Biologists (4)				
CHEM 5* Quantitative Analysis (5)		✓		✓
CHEM 109 Survey of Physical Chemistry (4)	✓			✓
CHEM 110A Physical Chemistry: Chemical Thermodynamics (4)	✓			
CHEM 110B Physical Chemistry: Introduction to Statistical Mechanics & Kinetics (4)		✓		
CHEM 111 Physical Chemistry Laboratory (4)		✓		
CHEM 113 Physical Chemistry: Introduction to Quantum Chemistry (4)			✓	
CHEM 125 Instrumental Methods (3 or 5)	✓			
CHEM 143 Chemical Biology (3)		✓		
CS 10A**+ Introduction to Computer Science for Science, Mathematics, and Engineering I (4)	✓	✓	✓	✓
CS 10B**+ Introduction to Computer Science for Science, Mathematics, & Engineering II (4)	✓	✓	✓	✓
CS 10C**+ Introduction to Data Structures and Algorithms (4)	✓	✓	✓	✓
CS 61* Machine Organization and Assembly Language Programming (4)	✓	✓	✓	✓
ENTM 106 Insect Evolution (3)			✓	
ENTM 107 Insect Biodiversity (4)		✓		
******ENTM 108*** Biology of Insects				
ENTM 109 Field Entomology (4)			✓	

Updated 11/2021

ENTM 114 Aquatic Insects (4)			✓	
ENTM 126 Medical and Veterinary Entomology (4)		✓		
ENTM 130 Invasion Ecology (4)		✓		
ENTM 133 Urban Entomology (4)			✓	
ENTM/MCBL 139 The Evolution of Conflict and Cooperation: Cheaters and Altruists ***(4)***	✓			
ENVE 121 Biological Unit Processes (4)			✓	
ENSC 100 Introduction to Soil Science (4)	✓			
ENSC/NEM 120 Soil Ecology (3)			✓	
ENSC/MCBL 133 Environmental Microbiology (4)		✓		
******ENSC/BPSC 134*** Soil Conditions and Plant Growth (4)				
ENTX 101 Fundamental Toxicology (4)		✓		
ENTX 154 Risk Assessment (4)			✓	
GEO 151 Principles of Paleontology (4)	✓			
GEO 167 Conservation Biogeography (4)	✓			
GEO 169 California Vegetation (4)		✓		
MATH 9C* First-Year Calculus (4)	✓	✓	✓	✓
MATH 10A* Calculus of Several Variables (4)	✓	✓	✓	✓
MATH 10B* Calculus of Several Variables (4)	✓	✓	✓	✓
MATH 46* Introduction to Ordinary Differential Equations (4)	✓	✓	✓	✓
MATH 149A Probability and Mathematical Statistics (4)	✓			
MATH 149B Probability and Mathematical Statistics (4)		✓		
MATH 149C Probability and Mathematical Statistics (4)			✓	
MCBL 125 Experimental Microbiology (4)			✓	
MCBL 126 Microbiomes (3)			✓	
MCBL 128 Field Mycology: Ecology, Evolution and Diversity of Fungi (4)		✓		
MCBL 129 Host Responses to Viral Pathogens (4)			✓	
MCBL/ENSC 133 Environmental Microbiology (4)		✓		
MCBL/ENTM 139 The Evolution of Conflict and Cooperation: Cheaters and Altruists ***(4)***	✓			
NEM/ENSC 120 Soil Ecology (3)			✓	
PHYS 117 Advanced Mathematical Methods of Physics (4)	✓			
PHYS 130A Classical Mechanics (4)	✓			
PHYS 130B Classical Mechanics (4)		✓		
PHYS 132 Thermodynamics (5)			✓	
PHYS 139L Electronics for Scientists (5)	✓		✓	
PHYS 145A Biophysics (4)	✓		✓	
PHYS 145B Biophysics (4)	✓			
******PHYS 145C*** Biophysics (4)				
PHYS 163 Atomic Physics and Spectroscopy (4)			✓	
******PHYS 168*** Environmental Physics (4)				
PHYS 177 Computational Methods for Physical Sciences (4)			✓	
PSYC 112 Neural Mechanisms of Animal Behavior (4)	✓	✓		
STAT 011[++] Introduction to Statistics (*if not being used to fulfill the Upper Division Statistics Requirement)* (5)	✓	✓	✓	✓
STAT 107[++] Introduction to Statistical Computing (4)	✓			✓
STAT 110 Bio-statistical Methods in Life Sciences (5)	✓			
STAT 155 Probability and Statistics for Science and Engineering (4)	✓	✓		✓

STAT 157 Statistical Computer Packages (4)		✓		✓
STAT 160A Elements of Probability and Statistical Theory (4)	✓			
STAT 160B Elements of Probability and Statistical Theory (4)		✓		
STAT 160C Elements of Probability and Statistical Theory (4)			✓	
STAT 161 Introduction to Probability Models (4)			✓	
STAT 167 Introduction to Data Science (4)			✓	
STAT 169++ Design of Experiments (4)		✓		
STAT 170++ Regression Analysis (4)	✓			
STAT 171 General Statistical Models (4)			✓	

+Courses were formerly CS10, CS12 and CS14 respectively

++Courses were formerly STAT100B, STAT147, STAT170B, and STAT170A respectively

****A lower division transfer course with a minimum grade of "C" will satisfy the same number of units in the related area as the equivalent UCR course.***
*****Schedule subject to change.***

****** Please check UCR Schedule of Classes for course availability***