Tentative** Biology Related Area Coursework

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

	Fall	Winter	Spring	Summer
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 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 135 Plant Cell Biology (4)		✓		
BPSC 146 Plant Ecology (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)			✓	
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 and 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 150A Inorganic Chemistry (4)		✓		✓
CHEM 150B Inorganic Chemistry (4)			✓	
CHEM 166 Advanced Organic Chemistry: Synthesis and Methods (2 or 4)	✓		✓	
CS 10* Introduction to Computer Science for Science, Mathematics, and Engineering I (4)	✓	✓	✓	✓
CS 12* Introduction to Computer Science for Science, Mathematics, and Engineering II (4)	✓	✓	✓	✓
CS 14* Introduction to Data Structures and Algorithms (4)	✓	✓	✓	✓
CS 61* Machine Organization and Assembly Language Programming (4)	✓	✓	✓	✓
ENTM 109 Field Entomology (4)			✓	
ENTM 114 Aquatic Insects (4)			✓	
ENTM 126 Medical and Veterinary Entomology (4)		✓		
ENTM 133 Urban Entomology (4)			✓	
ENSC 100 Introduction to Soil Science (4)	✓			
ENSC/NEM 120 Soil Ecology (3)			✓	
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)	✓	✓	✓	✓

*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.

Tentative** Biology Related Area Coursework

	Fall	Winter	Spring	Summer
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)			✓	
NEM 120 Soil Ecology (3)			✓	
PHYS 111 Astrophysics and Stellar Astronomy (4)	✓			
PHYS 130A Classical Mechanics (4)	✓			
PHYS 130B Classical Mechanics (4)		✓		
PHYS 132 Thermodynamics (5)			✓	
PHYS 133 Statistical Physics (4)			✓	
PHYS 134 Thermal Physics (4)			✓	
PHYS 135A Electromagnetism (4)	✓			
PHYS 135B Electromagnetism (4)		✓		
PHYS 136 Electromagnetic Waves (4)			✓	
PHYS 139L Electronics for Scientists (5)	✓			
PHYS 142L Advanced Physics Laboratory (5)	✓	✓	✓	
PHYS 145A Biophysics (4)			✓	
PHYS 145B Biophysics (4)	✓			
PHYS 145C *Biophysics (4)*				
PHYS 150A Introduction to Condensed Matter Physics (4)	✓			
PHYS 150B Introduction to Condensed Matter Physics (4)		✓		
PHYS 151 Topics in Modern Condensed Matter Research (4)	✓			
PHYS 152A Exploring Many-Body Quantum Physics with Mathematica (2)		✓		
PHYS 152B Exploring Many-Body Quantum Physics with Mathematica (2)			✓	
PHYS 156A Quantum Mechanics (4)	✓			
PHYS 156B Quantum Mechanics (4)		✓		
PHYS 156C Quantum Mechanics (4)			✓	
PHYS 163 Atomic Physics and Spectroscopy (4)			✓	
PHYS 164 Introduction to Nuclear Physics (4)		✓		
PHYS 165 Introduction to Particle Physics (4)		✓		
PHYS 166 Cosmology (4)	✓			
PHYS 168 *Environmental Physics (4)*				
PHYS 177 Computational Methods for Physical Sciences (4)			✓	
STAT 100B Introduction to Statistics (*if not being used to fulfill the Upper Division Statistics Requirement*) (5)	✓	✓	✓	✓
STAT 110 Bio-statistical Methods in Life Sciences (5)	✓			
STAT 147 Introduction to Statistical Computing (4)	✓			
STAT 155 Probability and Statistics for Science and Engineering (4)	✓	✓		✓
STAT 157 Statistical Computer Packages (4)		✓		

*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.