

## Guideline for Majors at Nearby 4 Year Institutions

<b>Major: <i>BIOLOGY</i></b>
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Riverside Community College  
Counseling Department  
2009-2010

Date: 11/09

**NOTE: This Articulation Agreement is subject to periodic revision. Please consult the ASSIST website, [www.assist.org](http://www.assist.org), for up-to-date information.**

College or University	Transfer Requirements	Units	RCC Equivalents	Units	Remarks
<b>CSU SAN BERNARDINO</b> 2009-2010	<u>B.S. Degree:</u>				
	PHYS		PHY 2AB or 4ABC	8-12	*Additional upper-division options avail.
	MATH 192 or 211	4	MAT 5 or 1A	4	
	CHEM 215,216	6,6	CHE 1A or 1AH 1B or 1BH	5,5	
	*CHEM 221-223	12	*CHE 12A,12B	5,5	
BIOL 200,201,202	5,5,5	BIO 2AB,5,11 OR 11,12	19 5,5		
<b>SAN DIEGO STATE UNIV.</b> 2008-2009	<u>B.S. Degree:</u>				
	CHEM 200	5	CHE 1A or 1AH	5	<i>Impacted major:</i> -min. 2.7 gpa req'd courses req'd major -min. cum. 2.6 gpa in all courses
	CHEM 201	5	CHE 1B or 1BH	5	
	CHEM231	5	CHE 12A	5	
	BIO 201A,201B	4,4	BIO 11,12	5,5	
	PHYS 180/182	4,4	PHY 2AB	4,4	
MATH 150	5	MAT 1A	4		
<b>CSU FULLERTON</b> 2009-2011	CHEM 120A,120B	5,5	CHE 1A,1B	5,5	-No credit will be allowed for Biology courses with grades of less than 'C'.
	MATH 130 or 150A	4	MAT 1A or 5	4	
	PHYS 211,212	4,4	PHY 2A,2B	4,4	
	BIOL 171,172	5,5	BIO 11,12	5,5	
	CHEM 301A,301B	4,4	CHE 12A,1B	5,5	
<b>CSU LONG BEACH</b> 2009-2010	<u>B.S. Degree:</u>				
	CHEM 111A,111B	5,5	CHE 1A,1B	5,5	Bio Ed: add GEO 1/1L Ecol. Add: GEG 1/1L Zoo: add MIC 1 or GEO 1/1L
	PHYS 100A,B	4,4	PHY 2A,2B or 4A,4B	4,4	
	MATH 122,123	4,4	MAT 1A,1B	4,4	
	BIOL 211A,211B	5,5	BIO 11,12	5,5	

College or University	Transfer Requirements	Units	RCC Equivalents	Units	Remarks
UCR 2009-2010	<u>B.S. Degree:</u>				
	BIOL 5ABC	4,4,4	BIO 11,12	5,5	
	CHEM 1ABC	4,4,4	CHE 1A or 1AH, 1B or 1BH	5,5	
	PHYSICS	15	PHY 4ABC or 2AB	8-12	
	MATH 9A,9B	4,4	MAT 1A,1B	4,4	
	CHEM (organic)	4,4,4	CHE 12A,12B	5,5	-IGETC not accepted. -Prioritize major reqt's. over gen. ed. reqts.
<b>NOTE:</b> An overall gpa of 2.70 in all transferable courses is required. In addition, Chem 1AB and two additional sequences (from either Biology or Math or Physics) must be completed prior to transfer.					
CAL POLY POMONA 2009-2010	ENGL 105	4	ENG 1B	4	
	MIC 201/L	5	MIC 1	4	
	ZOO 201/L	5	BIO 2A,2B	5,5	
	BIO 121-123	15	BIO 11,12	5,5	
	CHM 121,122,123	4,4,4	CHE 1A,1B	5,5	
	PHY 121,122,123	4,4,4	PHY 2A,2B	4,4	
	STA 120	4	MAT 12	3	
	CHM 201/250L	4	CHE 12A	5	
	MATH 120	4	MAT 5	4	
	Choose one from:	4	HES 1; PHP 35; PSY 1,2	3	

### **THE MAJOR:**

Biology, the study of life's basis and processes, is a dynamic and rapidly expanding field. In one direction, the study of molecular origins is the basis for understanding how cells are constructed, and how they function (including metabolism,, growth, development and reproduction.) In another direction, organisms are studied in order to understand how populations or organisms interact among themselves and their environment. The wider range of sub-divisions in this field does not lessen the fact that, in all of them, some aspect of living material is the prime focus. Since life activity is dependent upon the chemical release of energy within the organism, Chemistry continually enters biological experiments/interpretations. The principles of Mathematics and Physics also underlie most biology.

### **CAREER FIELDS:**

Biochemist	Environmentalist	Med. Technologist	Physical Therapist
Biologist	Forester	Oceanographer	Physician
Biomed. Engineer	Laboratory Assistant	Optometrist	Physical Therapist
Biophysicist	Lawyer	Osteopath	Psychologist
Editor, Science	Medical Illustrator	Pharmacist	Veterinarian

*For further information on career options, please visit the Career Center.*