Guideline for Majors at Nearby 4 Year Institutions

Major: *BOTANY*

Riverside Community College
Counseling Department
2009-2010

Date: 1/10

NOTE: This Articulation Agreement is subject to periodic revision. Please consult the www.assist.org website for up-to-date information.

College or University	Transfer Requirements	Units	RCC Equivalents	Units	Remarks
CAL POLY POMONA 2009-2010	BIO 121-123	15	BIO 11,12	5,5	
	ENGL 105	4	ENG 1B	4	
	MATH 120	4	MAT 5	4	
	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	
UCR 2009-2010	BIOL 5A,5B,5C	4,4,4	BIO 11,12	5,5	
	CHEM 1A,1B,1C	4,4,4	CHE 1A or 1AH	5	
			CHE 1B or 1BH	5	
	MATH 9A,9B	4,4	MAT 1A,1B	4,4	
	PHYSICS	15	PHY 4ABC or 2AB	8-12	*-IGETC not accepted.* Follow Coll. of Nat. & Ag. Sci. gen. ed. reqt's
	CHEM (organic)	4,4,4	CHE 12A,12B	5,5	
	NOTE: An overall gpa of 2.70 in all transferable courses is required. CHEM 1A,1B in addition to two other year-long sequences must be completed prior to transfer.				*-Prioritize major reqt's. above gen. educ.*
CSU LONG BEACH 2009-2010	PHYS 100A,100B	4,4	PHY 2A,2B or 4A,4B	4,4	
	CHEM 111AB	5,5	CHE 1A,1B	5,5	
	MATH 122,123	4,4	MAT 1A,1B	4,4	
	BIOL 211A,211B	5,5	BIO 11,12	5,5	

THE MAJOR:

The major in botany is designed to acquaint undergraduates with the fundamental aspects of plant sciences with the opportunity to pursue detailed study of areas of special interest. At the lower division level, undergraduates are expected to acquire a broad foundation in the physical and biological sciences both as a basis for advanced study at the upper division level and as a reasonable introduction to the breadth and diversity of scientific inquiry. Upper division courses introduce a variety of approaches to the study of plants utilizing concepts from the molecular through the organismal to the community level of organization. Knowledge of each of these areas is sufficiently important for the development of a broad perspective of botany.

Agricultural and ecological problems in the world will be solved, in part, by those with in-depth knowledge of botany. Development of plant hybrids that are disease-resistant and produce a high plant yield will be a fundamental part of world prosperity and cultural mobility. Botany offers professional training in a wide variety of careers including governmental service, research institutions, and industry.

CAREER FIELDS:

Agricultural & Food Industry	Nematologist
Botanist	Plant Pathologist
Ecologist	Plant Physiologist
Geneticist	Science librarian
Horticulturist	State and National Park Services
Microbiologist	Technical writer

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