

Department Requirements (Total Department Units: 29.5)

2011-12 Course No.	Previous Course No.	Title <small>applies to SBCC GE areas</small>	Units	Institution & Course No.	Grade	Units (s/q)	Term
• BIOL 101	(10A)	Plant Biology ^A	5.0				
• BIOL 102	(10B)	Animal Biology ^A	5.0				
• BIOL 103	(11)	Cell Biology ^{A,D2}	5.5				
• BIOL 104*	(12)	Molecular Biology	4.0				
• CHEM 155	(5)	General Chemistry I ^A	5.0				
• CHEM 156	(6)	General Chemistry II	5.0				

(BIOL 105, Molecular Biology Lab, strongly recommended)

*BIOL 104 satisfies SBCC GE area A if taken with BIOL 105.

Recommended Courses for Transfer:

• BIOL 105	(12L)	Molecular Biology Lab ^A	2.0				
• CHEM 211/221	(11/13L)	Organic Chemistry I and Lab	5.3				
• CHEM 212/222	(12/14L)	Organic Chemistry II and Lab	5.5				
• MATH 117	(17)	Elementary Statistics ^{D2, E1} OR	4.0				
MATH 117H	(117HR)	Elementary Statistics, Honors ^{D2, E1}	4.0				
• MATH 130-131	(18-19)	Calc for Biol. Sci/Soc Sci./Bus I and II ^{D2, E1} OR	8.0				
MATH 150-160	(25-26)	Calculus with Analytic Geometry I and II ^{D2, E1}	10.0				
• PHYS 105-106	(5-6)	General Physics ^A OR	8.0				
PHYS 110-111	(none)	Introductory Physics ^A OR	10.0				
PHYS 121+-122-123	(21-22-23)	Calculus-Based Physics	15.0				

+Satisfies SBCC GE area A.

Associate Degree Graduation Requirements: (1) Complete all department requirements with a “C” or better in each course. Candidates for an Associate Degree are also required to complete at least 20% of the department requirements through SBCC. Pass/No Pass grading is not permitted in those courses needed to fulfill department requirements; (2) Complete at least 18 units of General Education Requirements ([Areas A-D](#) of the SBCC General Education pattern); (3) Complete the SBCC Institutional Requirements ([Area E](#)); (4) Complete the Information Competency Requirement ([Area F](#)); (5) Complete a total of 60 degree-applicable units (SBCC courses numbered 100 and higher); (6) Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC; (7) Maintain a cumulative GPA of 2.0 or better in all college units attempted; and (8) Candidates for an Associate Degree are required to complete 15 units through SBCC.

Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Blakely Barron, Department Chair, Ext. 2444. Check your degree progress with DARS U-Achieve at www.sbcc.edu/DARS.

SBCC AA/AS Degree Graduation Requirements (Must complete I, II, III and IV below)



Santa Barbara City College

Biological Sciences

2011-12

Associate in Arts Degree in Biological Sciences

To be a biologist in the 21st Century will be an exciting and meaningful profession. Advances in biological knowledge are providing solutions to the most challenging problems in medicine, environmental resources, agriculture and human ecology. The Biological Sciences Department offers courses in biology, botany, anatomy, physiology, microbiology, natural history, marine biology, physical anthropology and courses for pre-professional areas such as medicine, physical therapy, dentistry, chiropractic and veterinary science.

Careers in Biological Sciences

Career opportunities with a BA/BS are: public health, microbiologist, clinical lab technologist, laboratory technician, research assistant, museum curator, science librarian, genetic engineering technician, plant physiologist, technical writer, naturalist, botanist, fish and game warden, aquaculture technician, timber appraiser, park naturalist, entomologist and natural resources planner. Graduate studies in biology lead to higher levels of employment in each of the above areas. They also provide the preparation necessary for becoming college and university professors, research biologists and medical and health professionals.

I. General Education, Institutional & Information Competency (Institution & Course Number)	Grade	Units (s/q)	Term
A-D. General Education Requirements**			
A. Natural Sciences with Lab			
B. Social and Behavioral Science			
C. Humanities			
D. Language and Rationality			
D-1. English Composition			
D-2. Communication and Analytical Thinking			
E. SBCC Institutional Requirements**			
E-1. Mathematics			
<i>Plus complete three out of the four areas listed below (E-2 through E-5)</i>			
E-2. American Institutions			
E-3. Physical Education/Health Education			
E-4. Oral Communication			
E-5. Multicultural/Gender Studies			
F. Information Competency Requirement**			

**For specific course, unit, grade and other graduation requirements see the General Education, Institutional and Information Competency Requirements handout available in the Counseling department or visit <http://www.sbccc.edu/apply/files/gereq.pdf>

II. Unit and Grade Point Average Requirements: Refer to Graduation Requirements on the other side of this document.

	<i>Total Semester Units Attempted</i>	<i>Total Semester Units Completed</i>	<i>Grade Points</i>	<i>GPA</i>
SBCC				
Transfer				
Total				

III. Residency Requirements: 1) 15 units completed through SBCC? Yes No
 2) 20% of Department Requirements completed through SBCC? Yes No

IV. Department Requirements: Refer to the other side of this document for a list of required courses. Were all department requirements completed with a "C" or higher in each course? Yes No

Waivers/Substitutions: _____

Counselor Comments: _____

Student's Name: _____ Student ID: K _____

Counselor's Name: _____ Code: _____ Date: _____

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