

Associate Degree Graduation Requirements

- (1) Complete all department requirements with a “C” or better or “P” in each course (at least 20% of the department requirements must be completed through SBCC); (2) Complete one of the following three General Education options: **OPTION 1:** SBCC General Education Requirements ([Areas A-D](#)) and Institutional Requirements ([Area E](#)) and Information Competency Requirement ([Area F](#)) OR **OPTION 2:** [IGETC Pattern](#) OR **OPTION 3:** [CSU GE Breadth Pattern](#); (3) Complete a total of 60 degree-applicable units (SBCC courses numbered 100 and higher); (4) Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC; (5) Maintain a cumulative GPA of 2.0 or better in all college units attempted; and (6) Complete 15 units through SBCC.

Department Requirements (Total Department Units: 28.5)

<i>Current Course No.</i>	<i>Previous Course No.</i>	<i>Title</i> <small>applies to SBCC GE areas</small>	<i>Units</i>	<i>Institution & Course No.</i>	<i>Grade</i>	<i>Units (s/q)</i>	<i>Term</i>
• BIOL 101	.....(10A).....	Plant Biology ^A	4.0	_____	_____	_____	_____
• 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	8.0	_____	_____	_____	_____
• PHYS 121+-122-123	.....(21-22-23).....	Calculus-Based Physics	15.0	_____	_____	_____	_____

+Satisfies SBCC GE area A.

Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Adam Green, Department Chair, 965-0581, Ext. 2394.

SBCC AA/AS Degree Graduation Requirements Worksheet (Must complete IA or IB or IC, and II, and III and IV below)



Santa Barbara City College

Biological Sciences

2017-18

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.

IA. IGETC (http://articulation.sbcc.edu/IGETC/IGETC.pdf)		Course #	Grade	Units (s/q)	Term
1A.	English Composition				
1B.	Critical Thinking-English Composition				
1C.	Oral Communication (CSU only)				
2A.	Mathematics				
3A.	Arts				
3B.	Humanities				
4.	Social Sciences				
5A/5C.	Physical Sciences				
5B/5C.	Biological Sciences				
6A.	Language Other Than English (UC only)				
IB. CSU GE Breadth Pattern (http://articulation.sbcc.edu/CSU/CSUGE.pdf)		Course #	Grade	Units (s/q)	Term
A1.	Oral Communication				
A2.	Written Communication				
A3.	Critical Thinking				
B1/B3.	Physical Science				
B2/B3.	Life Science				
B4.	Mathematics				
C1.	Arts				
C2.	Humanities				
D.	Social Sciences				
E.	Lifelong Learning and Self-Development				
IC. SBCC GE, Institutional & Info Competency (http://www.sbcc.edu/apply/files/pereg.pdf)		Course #	Grade	Units (s/q)	Term
A.	Natural Sciences with Lab				
B.	Social and Behavioral Science				
C.	Humanities				
D-1.	English Composition				
D-2.	Communication and Analytical Thinking				
E-1.	Mathematics - <i>Plus complete 3 out of the 4 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				

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

	Total Semester Units Attempted	Total Semester Units Completed	Grade Points	GPA
SBCC				
Transfer				
Total				

III. Residency Requirements: 15 units completed through SBCC & 20% of Department Requirements completed through SBCC?

Yes No

IV. Department Requirements: Refer to the other side of this document for a list of department required courses.

Yes No

SBCC: Your Open Door to Educational Excellence