

BIOLOGICAL SCIENCES

LONG BEACH CITY COLLEGE Curriculum Guide for Academic Year 2009-2010 Associate in Arts or Science

ALL THE INFORMATION CONTAINED HEREIN IS SUBJECT TO CHANGE WITHOUT NOTICE.

For possible updates to this guide please refer to the following website: <http://osca.lbcc.edu>

CAREER OPPORTUNITIES

This field of concentration provides the student with an introductory education to this field, not necessarily career related, ending with the associate degree or a partial lower division preparation for transfer to a baccalaureate degree in the biological sciences

No certificates are offered in the Life Science Department.

This Associate Degree will provide the student with an introductory education to this field of study, not necessarily career related, but ending with the Associate Degree or a partial lower division preparation for transfer to a Baccalaureate Degree in the biological sciences.

DEPARTMENTAL ADMISSION REQUIREMENTS

None. For more departmental information call (562) 938-4957.

REQUIRED COURSES

UNITS

Select courses from the following to total 18 units

Complete 9 - 12 units in courses from any of the following biological science programs:

	Course No.	In Progress	Completed Grade
Anatomy (F, SP, S)			
Biology (excluding Biology 47, 48, or 49) (F, SP, S)			
Physiology (prerequisite ANAT 1, 41, or BIO 60) (F, SP)			
Subtotal Units	9-12		

Complete 6 - 9 units in courses from any of the following physical science or mathematics programs:

Astronomy			
Chemistry			
Environmental Science 1			
Physical Geography 1 (excluding all other Geography courses)			
Geology			
Mathematics (excluding Mathematics 110, 805 and 815)			
Physical Science			
Physics			
Subtotal Units	6-9		

TOTAL UNITS	18		
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LEGEND

(SP = Spring) (S = Summer) (F = Fall) (INF = Infrequently) = Represents general frequency of course offering

GRADUATION REQUIREMENTS

For **ASSOCIATE IN ART or SCIENCE DEGREE:**

Complete the required units listed above with a minimum grade of "C" in each course. In addition, complete the A.A. or A.S. degree requirements specified in the Catalog. The requirements for general education/proficiency and the field of concentration need to be from the same catalog year. This catalog year may be any year between the year of initial enrollment to the present, provided continuous enrollment is maintained throughout (see the catalog for definition of "continuous enrollment"). Fifty per cent (50%) or more of the unit requirements for this field of concentration must be completed in residence (credit earned by exam, where applicable, may be included).

NOTE: To receive a degree you must submit completed application forms in the Admissions and Records Office during your final semester of course work.

In general, "double-counting" is not allowed. That is, one course may not be used to fulfill both a field of concentration requirement and to fulfill a general education requirement.

This Associate Degree will provide the student with an introductory education to this field of study, not necessarily career related, but ending with the Associate Degree or a partial lower division preparation for transfer to a Baccalaureate Degree in the biological sciences.

Students interested in transferring to a university to continue their study in this field of concentration or other majors are strongly advised to consult an LBCC academic counselor and refer to the ASSIST website (www.assist.org) for major preparation information. Counselors can clarify the different major and admissions requirements at a university. Students may visit the Student Success/Transfer Services Center to access further educational resources. If you need to set up an appointment to see a counselor or schedule the SOAR Test, call LAC (562)938-4561 or PCC (562)938-3920.