Academic Majors – Beginning with Letter “B”
DEGREES AND CERTIFICATES

BIOLOGY
SCIENCE DIVISION

BIOLOGY (AS-T)
MAJOR CODE: 0401.00

The Associate in Science in Biology for Transfer (AS-T) is designed to provide a solid lower-division preparation for students who intend to transfer to a California State University (CSU) for a bachelor’s degree in Biology or similar major. This degree is designed to provide a clear pathway to a CSU and guarantee admissions to a CSU. Although, students are guaranteed admissions, it is not to any particular campus or program in the CSU system. Students will be required to meet with a counselor for specific university major preparation at the college of their choice in order to facilitate a seamless transition. This coursework will satisfy the lower division Biology requirements at some of the CSU campuses. Information on which campuses accept this degree can be found at http://www.sb1440.org/.

This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440). To earn an Associate Degree for Transfer, students must meet the following requirements:
1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both the following:
   A. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.
   B. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtaining a minimum grade point average of 2.0
3. A grade of “C” or better in all courses required for the major or area of emphasis.

Program Learning Outcomes: Upon successful completion of this program, students will be able to...
- Explain how scientists investigate causes of natural biological phenomena.
- Explain how living things are organized, reproduce, acquire matter & energy, and inherit & express genetic instructions.
- Utilize biological information to make informed decisions about environmental issues.
- Utilize biological information to make informed decisions about personal issues.
- Perform basic biological lab procedures.

Required Courses: 10
- Biology 6 General Biology I 5
- Biology 7 General Biology II 5

LIST A: 25
- Chemistry 101 General Chemistry I 5

Chemistry 102 General Chemistry II 5
- Math 261 Calculus I 5
- Physics 37 Physics for Engineers & Scientists I 5
- Physics 38 Physics for Engineers & Scientists II 5

TOTAL MAJOR UNITS 35

BIOLOGY (AS)
MAJOR CODE: 0401.00

The Associate of Arts degree in Biology includes coursework that aligns with specific lower-division major requirements for the Biology, Biological Science, and related majors at various universities within the University of California (UC) and California State University (CSU) systems.

Students interested in transferring to a four-year college or university with a major in Biology or related fields of study may also consider the Associate in Science in Biology for Transfer degree. Students are encouraged to visit the Transfer Center for complete information regarding transfer requirements for the institution of their choice. Students interested in transfer are also encouraged to consult the Counseling Office for individualized educational planning.

The Associate of Science degree in Biology will provide the student with a strong basic foundation in this science. The curriculum is generally required of lower-division life science majors, as well as pre-dental, pre-medical, pre-optometry, pre-pharmacy, and pre-veterinary students.

Program Learning Outcomes: Upon successful completion of this program, students will be able to...
- Explain how scientists investigate causes of natural biological phenomena.
- Explain how living things are organized, reproduce, acquire matter & energy, and inherit & express genetic instructions.
- Utilize biological information to make informed decisions about environmental issues.
- Utilize biological information to make informed decisions about personal issues.
- Perform basic biological lab procedures.

Required courses 30
- BIOLOGY 006 General Biology I 5
- BIOLOGY 007 General Biology II 5
- CHEM 211 Organic Chemistry for Science Majors I 5
- CHEM 212 Organic Chemistry for Science Majors II 5
- MATH 260 Pre-Calculus 5
- MATH 261 Calculus I 5

Elective courses (chosen from the following) 8-10
Consult a counselor to develop an educational plan.
Visit the Transfer Center for additional information about transferring.

DEGREES AND CERTIFICATES

BUSINESS (AA)
MAJOR CODE: 0501.00

Required courses
- ACCTG 001* Introductory Accounting I 5
- ACCTG 002* Introductory Accounting II 5
- CO SCI 001* Intro to Computers and Their Use 3
- BUS 001* Introduction to Business 3
- BUS 005 Business Law I 3
- MGMT 001 Principles of Management 3
- MGMT 013 Small Business Entrepreneurship 3
- MKTG 001 Principles of Selling 3
- MKTG 021 Principles of Marketing 3

Elective units (chosen from the following) 3
- BUS 031 Business English 3
- BUS 032 Business Communications 3
- BUS 038 Business Computations 3
- MGMT 2 Organization and Management Theory 3
- FINANCE 2 Investments 3

* Recommended for students also pursuing Business Administration Associate Degree for Transfer AS-T

Additional LACCD GE plan units 18
(21 units, minus 3 major units that may be double-counted as GE)

Degree-applicable elective units 3-4

TOTAL 60

BUSINESS (CA)
MAJOR CODE: 0501.00

This program is designed to prepare the student for entry into the business community in such entry-level positions as bookkeeper, accounting clerk, or assistant auditor. Skills required for maintaining records, controlling finances, and preparing financial reports are taught.

Required courses
- ACCTG 001 Introductory Accounting I 5
- OR
- ACCTG 021 Bookkeeping and Accounting I 3
- AND
- ACCTG 022 Bookkeeping and Accounting II 3
- CO SCI 001 Intro to Computers and Their Use 3
- BUS 001 Introduction to Business 3
- BUS 031 Business English 3
- BUS 032 Business Communications 3
- BUS 038 Business Computations 3
- BUS 005 Business Law I 3
- MGMT 001 Principles of Management 3
- MKTG 001 Principles of Selling 3
- MKTG 021 Principles of Marketing 3

Elective units (chosen from the following) 3
- BUS 031 Business English 3
- BUS 032 Business Communications 3
- BUS 038 Business Computations 3
- MGMT 2 Organization and Management Theory 3
- FINANCE 2 Investments 3

* Recommended for students also pursuing Business Administration Associate Degree for Transfer AS-T

Additional LACCD GE plan units 18
(21 units, minus 3 major units that may be double-counted as GE)

Degree-applicable elective units 3-4

TOTAL 60
### BUSINESS ADMINISTRATION (AS-T)

**MAJOR CODE: 1001.00**

The Associate in Science in Business Administration for Transfer (AS-T) is a degree that provides a solid lower-division preparation for students who intend to transfer to a California State University (CSU) for a bachelor’s degree in Business Administration. This degree is designed to provide a clear pathway to a CSU and guarantee admissions to a CSU. Although, students are guaranteed admissions, it is not to any particular campus or program in the CSU system. Students will be required to meet with a counselor for specific university major preparation at the college of their choice in order to facilitate a seamless transition.

This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440). Information on which campuses accept this degree can be found at [http://www.sb1440.org/](http://www.sb1440.org/).

Students who complete an ADT and transfer to a similar major at a CSU are guaranteed a pathway to finish their baccalaureate degrees in 60 semester or 90 quarter units. These degrees require students to meet both of the following requirements:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
   a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education-Breadth Requirements.
   b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district and meeting the requirements of an approved transfer model curriculum.
2. Obtainment of a minimum grade point average of 2.0.

**Required courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td>ACCTG 001</td>
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<tr>
<td>ACCTG 002</td>
<td>5</td>
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<td>ECON 001</td>
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<tr>
<td>ECON 002</td>
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<tr>
<td>BUS 005</td>
<td>3</td>
</tr>
<tr>
<td>BUS 006</td>
<td>3</td>
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<td>MATH 236</td>
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<td>MATH 227</td>
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<td>Elective units, list A (chosen from the following)</td>
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<tr>
<td>MATH 236</td>
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<tr>
<td>MATH 227</td>
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**Elective units, list B (chosen from the following)**

<table>
<thead>
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<th>Course</th>
<th>Units</th>
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<tr>
<td>COS 901</td>
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<tr>
<td>BUS 001</td>
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<td>Elective units, list A (chosen from the following)</td>
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</table>

**Additional CSU GE or IGETC units**

(37-39 units, minus 9 major units that may be double-counted as GE)

**CSU-transferable elective units**

0-4

**TOTAL**

60

### BUSINESS ADMINISTRATION (AA)

**MAJOR CODE: 0505.00**

The Associate of Arts degree in Business Administration includes coursework that aligns with specific lower-division major requirements for Business Administration and related majors at various universities within the University of California (UC) and California State University (CSU) systems.

Students are encouraged to visit the Transfer Center for complete information regarding transfer requirements for the institution of their choice. Students interested in transfer are also encouraged to consult the Counseling Office for individualized educational planning.

Career opportunities in Business Administration are available for multiple professions including accounting managers, stockbrokers, financial consultants, insurance brokers, marketing managers and computer specialists. In addition, a prospective professor of business may get a start in the associate and baccalaureate programs in business administration.

**Required courses**

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>ACCTG 1</td>
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<tr>
<td>ACCTG 2</td>
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<td>BUS 005</td>
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<tr>
<td>ECON 002</td>
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<tr>
<td>MATH 227</td>
<td>4</td>
</tr>
<tr>
<td>MATH 236</td>
<td>5</td>
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</tbody>
</table>

**Additional LACCD GE plan units**

(21 units, minus 3 major units that may be double-counted as GE)

**Degree-applicable elective units**

5-6

**TOTAL**

60