

“B” Majors

Click on the major below to get to the exact page.

BIOLOGY

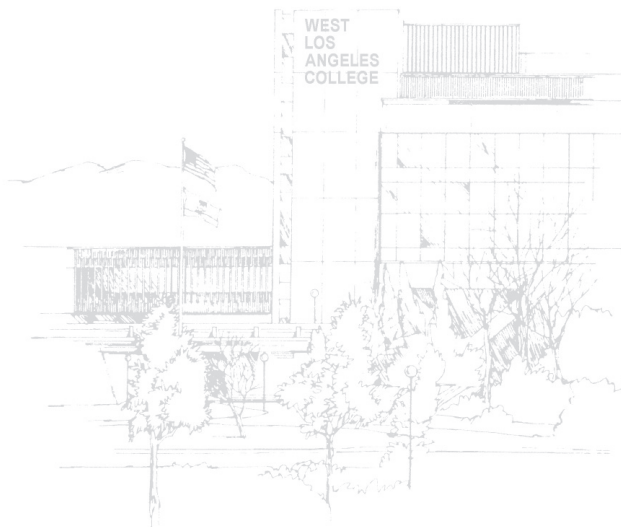
BROADCASTING

BUSINESS

BUSINESS ADMINISTRATION

The following section details the required curriculum for every degree and certificate program offered at the college. Students must complete all course requirements to petition for a skill certificate or state-approved Certificate of Achievement. In order to be eligible for an Associate degree, students must fulfill all major courses, all West general education requirements (Plan A or Plan B), and all other graduation requirements for a total of at least 60 units. Students should refer to “Graduation Requirements” (in the “Academics” section of this catalog) for additional information. Students are also encouraged to seek assistance from counselors and faculty.

Transfer students should consult the Transfer Center or the Counseling Office for major preparation and general education requirements for the particular transfer institution of their choice. Transfer students who want to obtain an Associate degree may select one of the Liberal Arts and Science degrees which require completion of the West, CSU, or IGETC general education core and at least 18 units of coursework in an approved area of emphasis (see Liberal Arts & Science Section for details).



AVIATEK 20	Reciprocating Powerplant Overhaul Lab	2
AVIATEK 21	Powerplant Troubleshooting and Testing	4
AVIATEK 22	Powerplant Troubleshooting and Testing Lab	2
AVIATEK 23	Inspection and Evaluation	4
AVIATEK 24	Inspection and Evaluation Lab	2
TOTAL UNITS		54

NOTE: Students must have a minimum 2.0 GPA in Aviation Maintenance Technology prior to enrollment in AVIATEK 23 and 24.

CERTIFICATE OF ACHIEVEMENT - AIRFRAME MAINTENANCE TECHNICIAN

MAJOR CODE 0950.10

(48 UNITS)

REQUIRED COURSES	UNITS
AVIATEK 1 Maintenance Procedures	4
AVIATEK 2 Maintenance Procedures Lab	2
AVIATEK 3 Basic Aircraft Science	4
AVIATEK 4 Basic Aircraft Science Lab	2
AVIATEK 5 Basic Electricity and Auxiliary Systems	4
AVIATEK 6 Basic Electricity and Auxiliary Systems Lab	2
AVIATEK 7 Electrical and Instrument Systems	4
AVIATEK 8 Electrical and instrument Systems Lab	2
AVIATEK 9 Assembly, Rigging and Inspection	4
AVIATEK 10 Assembly, Rigging and Inspection Lab	2
AVIATEK 11 Aircraft Metal Assembly	4
AVIATEK 12 Aircraft Metal Assembly Lab	2
AVIATEK 13 Hydraulic, Landing Gear, and Fuel Systems	4
AVIATEK 14 Hydraulic, Landing Gear, and Fuel Systems Lab	2
AVIATEK 23 Inspection and Evaluation	4
AVIATEK 24 Inspection and Evaluation Lab	2
TOTAL UNITS	48

NOTE: Students must have a minimum 2.0 GPA in Aviation Maintenance Technology prior to enrollment in AVIATEK 23 and 24.

SKILL CERTIFICATES

Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.

SKILL CERTIFICATE IN AVIONICS

MAJOR CODE 0950.40

REQUIRED COURSE	UNITS
AET 65A Avionic Systems for Aircraft Maintenance Personnel A	6
AET 65B Avionic Systems for Aircraft Maintenance Personnel B	6
TOTAL UNITS	12

SKILL CERTIFICATE IN COMPOSITE STRUCTURES & FABRICATION

MAJOR CODE 0950.50

REQUIRED COURSE	UNITS
A/C PS 102 Fabrication and Repair of Advanced Composites	6
A/C PS 110 Aerospace Production Blueprint Reading I	4
A/C PS 115 Aircraft Structures	6
TOTAL UNITS	16

BIOLOGY

ASSOCIATE DEGREES

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 of Arts degree in Liberal Arts and Sciences (Math, Science, and Computer Science emphasis). 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 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.

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 0401.00

(38 UNITS, PLAN B) + All other West requirements for Associate Degree

REQUIRED COURSES	UNITS
BIOLOGY 6 General Biology I	5
BIOLOGY 7 General Biology II	5

AND THE COURSES IN EACH OF THE FOLLOWING 3 GROUPS: GROUP 1

	UNITS
CHEM 101 General Chemistry I	5
AND	
CHEM 102 General Chemistry II	5
OR	
PHYSICS 6 General Physics I	4
AND	
PHYSICS 7 General Physics I	4

MAJOR REQUIREMENTS

GROUP 2		UNITS
CHEM 211	Organic Chemistry for Science Majors I	5
CHEM 212	Organic Chemistry for Science Majors II	5
GROUP 3		UNITS
MATH 260	Pre-Calculus	5
MATH 261	Calculus I	5
TOTAL UNITS		38-40

BROADCASTING

SKILL CERTIFICATES

Note: Skill certificates are not state-approved and are not included on transcripts. Only students completing state-approved degrees and/or certificates may participate in commencement.

SKILL CERTIFICATE IN RADIO BROADCASTING

MAJOR CODE 0603.10

The Radio Broadcasting curriculum is designed to provide study and training leading to an occupation for students seeking employment in the radio broadcasting industry.

REQUIRED COURSES		UNITS
BRDCST 1	Fundamentals of Radio and TV Broadcasting	3
BRDCST 7	Radio Announcing I	3
BRDCST 12	Broadcast Station Operation	3
BRDCST 14	Broadcast Station Management	3
BRDCST 931	Cooperative Education	3
TOTAL UNITS		15

BUSINESS

ASSOCIATE DEGREES

(ALSO SEE MANAGEMENT - SMALL BUSINESS)

The Associate of Arts degree in Business is primarily designed for vocational education and workforce training/development. The curriculum is not aligned with course requirements for transfer to a specific major at a four-year college or university.

Students interested in transferring to a four-year college or university with a major in Business Administration or other Business-related major may consider the Associate of Arts degree in Business Administration. Students should consult the Transfer Center or the Counseling Office for major preparation and general education requirements of the particular transfer institution of their choice.

The Associate of Arts degree in Business provides a broad background of business knowledge which can be applied in most businesses.

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 0501.00

(38 UNITS, PLAN B) + All other West requirements for Associate Degree

REQUIRED COURSES		UNITS
ACCTG 1	Introductory Accounting I	5
	OR	
ACCTG 21	Bookkeeping & Accounting I	3
	AND	
ACCTG 22	Bookkeeping & Accounting II	3
CO SCI 901	Introduction to Computers and Their Use	3
BUS 1	Introduction to Business	3
BUS 31	Business English	3
BUS 32	Business Communications	3
BUS 38	Business Computations	3
LAW 1	Business Law I	3
MGMT 1	Principles of Management	3
MGMT 13	Small Business Entrepreneurship	3
MKTG 1	Principles of Selling	3
MKTG 21	Principles of Marketing	3
BUS 931	Cooperative Education - Business	3
TOTAL UNITS		38

RECOMMENDED COURSES		UNITS
MGMT 2	Organization and Management Theory	3
REAL ES 18	Real Estate Investments	3
LAW 2	Business Law	3

CERTIFICATES OF ACHIEVEMENT

CERTIFICATE OF ACHIEVEMENT

MAJOR CODE 0501.00

(29 UNITS)

REQUIRED COURSES		UNITS
ACCTG 1	Introductory Accounting	5
	OR	
ACCTG 21	Bookkeeping & Accounting I	3
	AND	
ACCTG 22	Bookkeeping & Accounting II	3
CO SCI 901	Introduction to Computers and Their Use	3
BUS 1	Introduction to Business	3
BUS 32	Business Communications	3
BUS 38	Business Computations	3
LAW 1	Business Law I	3
MGMT 1	Principles of Management	3
	OR	
MKTG 1	Principles of Selling	3
MKTG 21	Principles of Marketing	3
REAL ES 1	Real Estate Principles	3
TOTAL UNITS		29

BUSINESS ADMINISTRATION

ASSOCIATE DEGREES

(ALSO SEE MANAGEMENT - SMALL BUSINESS)

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.

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 0505.00

(26 UNITS, PLAN B) + All other West requirements for Associate Degree

REQUIRED COURSES	UNITS
ACCTG 1 Introductory Accounting I	5
ACCTG 2 Introductory Accounting II	5
CO SCI 901 Introduction to Computers and Their Use	3
ECON 1 Principles of Economics I	3
ECON 2 Principles of Economics II	3
LAW 1 Business Law I	3
MATH 227* Statistics	4
TOTAL UNITS	26

* Higher level Mathematics coursework may be substituted to meet transfer requirements at varying four-year institutions.

CHEMISTRY

ASSOCIATE DEGREES

The Associate of Arts degree in Chemistry includes coursework that aligns with specific lower-division major requirements for the Chemistry major at various universities within the University of California (UC) and California State University (CSU) systems. Additional coursework in Math and Physics is required at some UC and CSU campuses.

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 Degree in Chemistry is designed to provide students with a strong basic foundation for baccalaureate study in Chemistry.

ASSOCIATE OF ARTS DEGREE

MAJOR CODE 1905.00

(45 UNITS, PLAN B) + All other West requirements for Associate Degree

REQUIRED COURSES	UNITS
CHEM 101 General Chemistry I	5
CHEM 102 General Chemistry II	5
CHEM 211 Organic Chemistry for Science Majors I	5
CHEM 212 Organic Chemistry for Science Majors II	5
MATH 261 Calculus I	5
MATH 262 Calculus II	5
MATH 263 Calculus III	5
PHYSICS 37 Physics for Engineers and Scientists I	5
PHYSICS 38 Physics for Engineers and Scientists II	5
TOTAL UNITS	45

CHILD DEVELOPMENT

The Child Development program is designed for students who are interested in working with young children. The program centers on continuing experiences in a wide variety of pre-school settings and will also meet the needs of persons who are currently employed in pre-school centers, but who want to increase their professional skills. Young children are society's most valuable resource, and they must be nurtured with this judgment clearly in view. Students in the Child Development program strive to gain a deep understanding of the total development and potential of young children. The field is expanding, with excellent job opportunities existing throughout the nation.