



**ACCOUNTING FOR ENTREPRENEURS**  
**PROFICIENCY AWARD**  
**(AWARDED BY THE DEPARTMENT)**

Students completing the Accounting for Entrepreneurs proficiency award will learn accounting applications and software that runs small businesses. Students will learn how to set up a company, create invoices, write checks, prepare payroll and taxes, and create reports to handle financial responsibilities of a small business owner. *For more information, contact: Robert Cabral, [rcabral@vcccd.edu](mailto:rcabral@vcccd.edu) (805) 678-5051.*

<b>REQUIRED CORE COURSES:</b>		<b>UNITS</b>
BUS R100	Introduction to Entrepreneurship	1.0
BUS R105	Accounting for Entrepreneurs	1.5
ACCT R110	QuickBooks 1 <i>*Advisories: BUS R001</i>	1.5
ACCT R111	QuickBooks 2 <i>*Advisories: ACCT R110</i>	1.5
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>5.5</b>



## ADDICTIVE DISORDERS STUDIES

Associate in Science Degree  
Certificate of Achievement

This CAADE (California Association of Alcohol/Drug Educators) approved program prepares students to enter the field of alcohol/drug counseling with responsibilities for doing intakes, screening, and assessments, motivational interviewing, supportive and group counseling, crisis intervention, information and referral, and case write-ups, and treatment planning. Students completing this program will have the necessary education and skills to apply for certification through CAADE which offers a Certified Addictions Treatment Counselor (C.A.T.C.) credential: application forms and information can be obtained by contacting: CAADE, Central Office at 5230 Clark Avenue, Suite 3, Lakewood, CA 90712; Phone: 707-7-CAADE-1 (707-722-2331); Fax 562-275-3494; E-mail: office@CAADE.org.

<b><u>REQUIRED COURSES:</u></b>	<b><u>UNITS</u></b>
ADS R101 Overview of Addiction	3.0
ADS R102 Case Management	3.0
<i>*Prerequisites: ADS R101</i>	
ADS R103 Physiology and Pharmacology of Alcohol and Other Drugs	3.0
ADS R104 Addiction Counseling Theories and Techniques	3.0
ADS R105A Group Leadership I	3.0
<i>*Prerequisites: ADS R101</i>	
<i>*Advisories: ADS R104</i>	
ADS R105B Group Leadership II	3.0
<i>*Prerequisites: ADS R105A</i>	
ADS R106 Adult Children of Alcoholics	3.0
ADS R108 Alcohol/Drugs and Human Development	3.0
ADS R109 Counseling Addicted Families	3.0
ADS R110A Alcohol and Drug Studies Field Experience I	3.0
<i>*Prerequisites: ADS R101, ADS R102, ADS R103, ADS R104 and ADS R105A</i>	
ADS R110B Alcohol and Drug Studies Field Experience II	3.0
<i>*Prerequisites: ADS R110A</i>	
ADS R113A Co-occurring Disorders I	3.0
ADS R124 Ethics and Confidentiality for Alcohol/Drug Studies	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b><u>39</u></b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
<u>Degree-Applicable Electives (needed to reach the 60 units)</u>	<u>0</u>
<b>Total Units required for the A.S. Degree</b>	<b><u>68</u></b>



## ADMINISTERING MICROSOFT WINDOWS

### Proficiency Award

(Awarded by the Department)

The Administering Microsoft Windows Program is an award recognizing proficiency in administering the Microsoft Windows desktop and server operating systems.

#### REQUIRED COURSES:

		<b>UNITS</b>
CNIT R130	Administer Microsoft Windows Operating System <i>* Advisory: CNIT R101</i>	3.0
CNIT R131	Administer Microsoft Windows Server <i>* Advisory: CNIT R130</i>	3.0
<b>TOTAL REQUIRED UNITS</b>		<hr/> <b>6</b>



## ADMINISTRATIVE ASSISTANT

Associate in Science Degree  
Certificate of Achievement

This program is designed for students who wish to prepare for positions as administrative assistants or secretaries and work closely with management in a business, professional, educational, or industrial office. Students having successfully completed the Administrative Assistant course work will have gained marketable skills required of the Business Information Worker—a California Community Colleges Pathway to Success initiative that leads to job readiness for an in-demand occupation. For information visit: <http://ict-dm.net/biw-landing/category/south-central>. For more information, contact: Dr. Diane Eberhardy, [deberhardy@vcccd.edu](mailto:deberhardy@vcccd.edu) (805) 678-5055.

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
BUS R104 Business English	3.0
CAOT R001 Keyboarding (Alpha and Numeric)	1.5
CAOT R002 Keyboarding Speed & Accuracy	1.5
<i>*Advisory: CAOT R001</i>	
CAOT R004 Microsoft Outlook	1.5
CAOT R009 Office Procedures	3.0
<i>*Advisory: CAOT R001 or CAOT R002 and CAOT R130</i>	
CAOT R123 Microsoft Excel	3.0
<i>*Advisories: CIS R020A</i>	
CAOT R130 Microsoft Word	3.0
<i>*Advisories: CIS R020A</i>	
<b>TOTAL CORE UNITS</b>	<b>16.5</b>
<b>REQUIRED ADDITIONAL COURSES:</b>	<b>UNITS</b>
Complete a minimum of one course from the following:	
BUS R001 Preparation for Accounting	3.0
BUS R120 Introduction to Business	3.0
CAOT R124 Microsoft Access	3.0
<i>*Advisories: CIS R020A</i>	
CAOT R129 Microsoft PowerPoint	3.0
<i>*Advisories: CIS R020A</i>	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>19.5</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	10.5
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## ADDICTIVE DISORDERS STUDIES FOR ALCOHOL/DRUG COUNSELORS

Associate in Science Degree  
Certificate of Achievement

*\*For those who have already completed the Addictive Disorders Studies Program, this is an advanced certificate program tailored to meet the demands of new developments in the field. Emphasis will be given to develop special knowledge and skills for treatment in the increasingly complex areas of substance abuse. Students with this certificate will be trained to work as clinical supervisors, domestic violence facilitators, addiction and trauma counselors, program managers and prevention specialists.*

<b><u>REQUIRED COURSES:</u></b>	<b><u>UNITS</u></b>
ADS R105B Group Leadership II <i>*Prerequisites: ADS R105A</i>	3.0
ADS R111 Management and Supervision in Alcohol Programs <i>*Prerequisites: ADS R101</i>	3.0
ADS R112 Prevention Overview	3.0
ADS R115 Alcohol, Drugs, Eating Disorders, and Nutrition	3.0
ADS R121 Alcohol/Drugs and Domestic Violence	3.0
ADS R122 Reducing Binge & Underage Drinking: A Collective Responsibility	3.0
ADS R123 Alcohol, Drug Addiction and Trauma	<u>3.0</u>
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b><u>21</u></b>

Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	<u>0</u>
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## ADDICTIVE DISORDERS STUDIES IN THE CRIMINAL JUSTICE SYSTEM

**Associate in Science Degree  
Certificate of Achievement**

This program is designed to prepare students to enter the field of treatment providers of services to incarcerated clients in county, state, and federal correctional programs and those recently released from such institutions. Emphasis will be given to the special knowledge, skills, and attitudes required for those who choose to work in the criminal justice system or other related human services. Students with this certificate will also be trained to work in the adolescent and adult drug court systems, pre-release and after-care programs, and intensive probation models. Graduates completing this program will be qualified to apply for a number of certifications: C.A.T.C. (Certified Addictions Treatment Counselor) available from CAADE; F.A.C.T. (Forensics Addictions Corrections Treatment Specialists) available from: C.C.A.R.T.A., (the Center for Criminology; Addictions Research, Training, & Application) UCSD, 565 Pearl St., Suite 306, La Jolla, CA 92307.

<b><u>REQUIRED COURSES:</u></b>	<b><u>UNITS</u></b>
ADS R101 Overview of Addiction	3.0
ADS R104 Addiction Counseling Theories and Techniques	3.0
ADS R106 Adult Children of Alcoholics	3.0
ADS R107 Alcohol/Drug Treatment of Adolescents	3.0
ADS R110A Alcohol and Drug Studies Field Experience I	3.0
<i>*Prerequisites: ADS R101, R102, R103, R104, and R105A</i>	
ADS R110B Alcohol and Drug Studies Field Experience II	3.0
<i>*Prerequisites: ADS R110A</i>	
ADS R113A Co-Occurring Disorders I	3.0
ADS R116 Alcohol, Drugs and the Driving Laws	3.0
ADS R117 Treatment Modalities in the Criminal Justice System	3.0
ADS R118 Culture, Race, & Gender Considerations in CJS Treatment	3.0
ADS R119 Community as Treatment in the Criminal Justice System	3.0
ADS R120 Introduction to Alcohol and Drugs in the Criminal Justice System	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>36</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	0
<b>Total Units required for the A.S. Degree</b>	<b>65</b>



## AIR CONDITIONING AND REFRIGERATION

**Associate in Science Degree  
Certificate of Achievement**

The Air Conditioning and Refrigeration (HVAC/R) Program provides occupational training to prepare students for jobs in the HVAC/R industry, including the green economy sector (energy auditing). The program also provides valuable skill enhancement training to existing HVAC/R technicians who desire to expand and update their knowledge and skills to advance in the industry. Students in the program learn the theoretical, technical, and problem-solving skills essential for employment and advancement in the HVAC/R industry. Students completing the program can seek employment as HVAC/R technicians, sales and consulting specialists, equipment and system installers, operations and maintenance technicians, building engineers, controls technicians, and energy auditing specialists. As a CTE program with an industry advisory council that meets annually and communicates regularly, we have developed an educational partnership with the area HVAC/R industry and we are meeting a defined need to provide qualified HVAC/R technicians and energy auditors to HVAC/R businesses that service corporations and homes in Ventura County and beyond.

**For more information, contact: Alan Ainsworth (805) 678-5042 [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu)**

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
AC R010 Introduction to Air Conditioning & Refrigeration	3.0
AC R010L Introduction to Air Conditioning & Refrigeration I Lab	2.0
AC R011L Air Conditioning and Refrigeration II Lab	2.0
<i>*Prerequisites: AC R010</i>	
AC R020 Electrical Systems I	3.0
AC R020L Electrical Systems I Lab	2.0
AC R021L Electrical Systems II Lab	2.0
<i>*Prerequisites: AC R020L</i>	
AC R030 Airside Systems	3.0
AC R030L Airside Systems Lab	2.0
AC R040 Heating Control Systems	3.0
AC R040L Heating Control Systems Lab	2.0
AC R050 Energy Auditing	3.0
<i>*AC R010 and AC R010L; or students should possess strong understanding of air conditioning/refrigeration system operations</i>	
AC R050L Energy Auditing Lab	2.0
<i>*AC R010 and AC R010L; or students should possess strong understanding of air conditioning/refrigeration system operations</i>	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>29</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	2
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## AIRSIDE SYSTEMS

### Proficiency Award

(Awarded by the Department)

*The Airside Systems Program is an award to recognize proficiency in airside systems concepts and practices. The program prepares students to become environmental control technology/HVACR technicians to maintain and repair heating, cooling, and refrigeration equipment in residential, commercial, and industrial buildings. Technicians can specialize in either installation or maintenance and repair. For more information, contact: Alan Ainsworth, [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu) (805) 678-5042.*

#### **REQUIRED COURSES:**

AC R030     Airside Systems

AC R030L   Airside Systems Lab

#### **TOTAL REQUIRED UNITS**

#### **UNITS**

3.0

2.0

**5.0**



## ANTHROPOLOGY

### Associate in Arts Degree

Anthropology is one of the most interesting and flexible undergraduate majors. Similar to a GE or Liberal Studies degree in scope, Anthropology has the added benefit of introducing students to science, scientific method, and qualitative and quantitative research methods. Anthropology studies all human cultures in all places and times. It is the core discipline from which ethnology and ethnic studies spring. It is also the study of human biology, diversity, variation and evolution. Anthropology majors go on to many different professions. UCSB, CSUCI and CSUN all have bachelor's programs in Anthropology. *For more information contact: Linda LeValley Kama'ila, [lkamaila@vcccd.edu](mailto:lkamaila@vcccd.edu), (805) 678-5045 or Arion Melidonis, [amelidonis@vcccd.edu](mailto:amelidonis@vcccd.edu), (805) 678-5044.*

#### REQUIRED COURSES (3 UNITS):

	UNITS
ANTH R101 Introduction to Biological Anthropology	3.0
ANTH R102 Introduction to Cultural Anthropology	3.0

#### Select ONE of the two following courses (3 Units):

ANTH R103 Introduction to Archaeology	3.0
ANTH R115 Introduction to Language and Culture	3.0

#### REQUIRED ADDITIONAL COURSES (9-10 UNITS): UNITS

Complete a minimum of 9 units from the following:

ANTH R103 Introduction to Archaeology	3.0
ANTH R105 Sex, Gender and Culture	3.0
ANTH R106 Psychological Anthropology	3.0
ANTH R107 The Anthropology of Native Americans	3.0
ANTH R110 People of the World: The Cultures of Globalization and Change	3.0
ANTH R111 Magic, Witchcraft and Religion: Anthropology of Belief	3.0
ANTH R113 Ancient Civilizations of the Americas	3.0
ANTH R115 Introduction to Language and Culture	3.0
MATH R105 Introductory Statistics	4.0
<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	
PHIL R108 World Mythology	3.0
PSY R103 Beginning Statistics for Behavioral Science	3.0
<i>*Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	

#### TOTAL REQUIRED MAJOR UNITS

**18-19**

Additional units/requirements to complete the A.A. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	6-12
Degree-Applicable Electives (needed to reach the 60 units)	19-25
<b>Total Units required for the A.A. Degree</b>	<b>60</b>



## ANTHROPOLOGY

### Associate in Arts for Transfer

*Anthropology is one of the most interesting and flexible undergraduate majors. Similar to a GE or Liberal Studies degree in scope, Anthropology has the added benefit of introducing students to science, scientific method, and qualitative and quantitative research methods. Anthropology studies all human cultures in all places and times. It is the core discipline from which ethnology and ethnic studies spring. It is also the study of human biology, diversity, variation and evolution. Anthropology majors go on to many different professions. UCSB, CSUCI and CSUN all have bachelor's programs in Anthropology. The AA-T degree (Associate in Arts for Transfer) in Anthropology will position you for many kinds of jobs, even if you do not end up majoring in Anthropology. Training in anthropology will benefit students interested in a range of different majors and careers including business, marketing, human resources and the non-profit sector. The AA-T in Anthropology is designed to satisfy the introductory level program requirements for students pursuing a B.A. in Anthropology and is excellent preparation for other professional and graduate programs in related disciplines. Linda LeValley Kama'ila, [lkamaila@vcccd.edu](mailto:lkamaila@vcccd.edu), (805) 678-5045 or Arion Melidonis, [amelidonis@vcccd.edu](mailto:amelidonis@vcccd.edu), (805) 678-5044.*

#### REQUIRED CORE COURSES (9 UNITS):

		UNITS
ANTH R101/H	Introduction to Biological Anthropology/Honors	3.0
ANTH R102/H	Introduction to Cultural Anthropology/Honors	3.0
ANTH R103	Introduction to Archaeology	3.0

#### LIST A - SELECT A MINIMUM OF 3 UNITS FROM THE FOLLOWING: THESE COURSES ARE COMMONLY REQUIRED AS ADDITIONAL COURSES FOR A B.A. IN ANTHROPOLOGY. CSU CHANNEL ISLANDS, CHICO AND LONG BEACH SPECIFICALLY REQUIRE ANTH R115. (3-4 UNITS)

ANTH R101L	Introduction to Biological Anthropology Laboratory * <b>Prerequisites:</b> ANTH R101 or concurrent enrollment	1.0
ANTH R115	Introduction to Language and Culture	3.0
MATH R105/H	Introductory Statistics/Honors * <b>Prerequisites:</b> MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process	4.0
PSY R103	Beginning Statistics for Behavioral Science * <b>Prerequisites:</b> PSY R101 and MATH R014 or MATH R014B or MATH R032	3.0
SOC R125	Statistics for the Behavioral and Social Sciences * <b>Prerequisites:</b> MATH R014 or MATH R014B or MATH R032	3.0

#### LIST B - SCIENCE AND METHODS BLOCK: SELECT 1-2 COURSES FROM THE FOLLOWING. STUDENTS MAY TAKE ANY COURSE IN LIST A NOT ALREADY SELECTED ABOVE; AND/OR ANY COMBINATION OF COURSEWORK FROM LIST B (3-4 UNITS):

ANAT R101	General Human Anatomy * <b>Prerequisites:</b> MATH R014 or MATH R033 and ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L	4.0
ANTH R116	Science, Technology, and Human Values	3.0
SOC R111	Introduction to Social Research * <b>Prerequisites:</b> SOC R101	3.0



	GEOG R106	Introduction to Geographic Information Systems and Techniques	3.0
	GEOL R101	Physical Geology	3.0
	<b>AND</b>		
	GEOL R101L	Physical Geology Lab	1.0
	GEOL R121	Earth Science with Lab	4.0

**LIST C - CULTURAL BLOCK: SELECT ONE COURSE FROM THE FOLLOWING. STUDENTS MAY TAKE ANY COURSE NOT SELECTED FROM LIST A OR LIST B OR ONE OF THE FOLLOWING (3 UNITS MINIMUM):**

ANTH R105	Sex, Gender and Culture	3.0
ANTH R106	Psychological Anthropology	3.0
ANTH R107	The Anthropology of Native Americans	3.0
ANTH R110	People of the World: The Cultures of Globalization and Change	3.0
ANTH R111/H	Magic, Witchcraft and Religion: Anthropology of Belief/Honors	3.0
ANTH R113	Ancient Civilizations of the Americas	3.0
ANTH R114	African American Culture and Experience	3.0
ANTH R118	Introduction to Forensic Science	3.0
ANTH R119/ BRS R101	Introduction to Border Studies	3.0
CHST R101	Introduction to Chicana/o Studies	3.0
CHST R107	History of Mexicans in the United States	3.0
COMM R113	Intercultural Communication	3.0
GEOG R105	Introduction to Human Geography	3.0
GLST R101	Introduction to Global Studies	3.0
HIST R109	History of Mexico	3.0
PHIL R115/H	Comparative World Religions/Honors	3.0
SOC R101/H	Introduction to Sociology/Honors	3.0
SOC R103	Race and Ethnic Relations	3.0
URBS R101	Introduction to Urban Studies	3.0

<b>Total Required Major Units</b>	<b>18-20</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	(9-18)
Electives (CSU transferable units needed to reach 60)	12-23

**DEGREE TOTAL 60**



## STUDIO ARTS

### Associate in Arts for Transfer

The Art and Art History program encourages all students to discover and explore the visual arts. Studio Art courses provide training in art practice, including drawing, life drawing, painting, color and design, three-dimensional art, digital photography, and digital arts. Art History courses introduce students to the study of art and explore the history of visual art traditions throughout the world, from antiquity to the present. The program is supported by the McNish Gallery of Art, which brings contemporary art to campus and provides students an opportunity to gain hands-on experience in gallery work. Many courses in the Art and Art History program are transferable and satisfy general education requirements. Degree programs include an AA degree in Art - Two-Dimensional Studio and AA-T degrees (Associate in Arts for Transfer) in Studio Arts and in Art History. The Art and Art History program emphasizes creative and critical thinking, skills that are useful in all walks of life! For more information on Studio Arts, contact: Christine Morla, [cmorla@vcccd.edu](mailto:cmorla@vcccd.edu) (805) 678-5046.

<b>REQUIRED CORE COURSES (12 UNITS):</b>		<b>UNITS</b>
ART R103	Western Art II: Renaissance to Contemporary	3.0
ART R104A	Color and Design: 2-D Foundations	3.0
ART R106A	Drawing and Composition I	3.0
ART R180	3-D Foundations	3.0

### **LIST A - ART HISTORY RESTRICTED ELECTIVES: SELECT ONE COURSE FROM THE FOLLOWING (3 UNITS):**

ART R102	Western Art I: Prehistory through the Middle Ages	3.0
ART R171	Survey of Modern Art	3.0
ART R172	Art of the Ancient Americas	3.0

### **LIST B - STUDIO ARTS RESTRICTED ELECTIVES (9 UNITS): SELECT NO MORE THAN ONE COURSE FROM DRAWING (0-3 UNITS):**

ART R126A	Life Drawing I <i>*Prerequisites: ART R106A</i>	3.0
<b>OR</b>		
ART R106B	Drawing and Composition II <i>*Prerequisites: ART R106A</i>	3.0

### **SELECT NO MORE THAN ONE COURSE FROM PAINTING (0-3 UNITS):**

ART R110A	Beginning Acrylic Painting	3.0
<b>OR</b>		
ART R108A	Beginning Oil Painting	3.0
ART R175	Introduction to Digital Art	3.0
ART R160	Introduction to Digital Photography	3.0
ART R104B	Color Theory <i>*Prerequisites: ART R104A</i>	3.0
ART R155	Beginning Sculpture	3.0

Total Required Major Units	24
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	(6-9)
Electives (CSU transferable units needed to reach 60)	3-8
<b>DEGREE TOTAL</b>	<b>60</b>



## ART – TWO-DIMENSIONAL STUDIO

### Associate in Arts Degree

The Art and Art History program encourages all students to discover and explore the visual arts. Studio Art courses provide training in art practice, including drawing, life drawing, painting, color and design, three-dimensional art, digital photography, and digital arts. Art History courses introduce students to the study of art and explore the history of visual art traditions throughout the world, from antiquity to the present. The program is supported by the McNish Gallery of Art, which brings contemporary art to campus and provides students an opportunity to gain hands-on experience in gallery work. Many courses in the Art and Art History program are transferable and satisfy general education requirements. Degree programs include an AA degree in Art - Two-Dimensional Studio and AA-T degrees (Associate in Arts for Transfer) in Studio Arts and in Art History. The Art and Art History program emphasizes creative and critical thinking, skills that are useful in all walks of life! For more information on Studio Arts, contact: Christine Morla, [cmorla@vcccd.edu](mailto:cmorla@vcccd.edu) (805) 678-5046.

#### REQUIRED COURSES:

		<b>UNITS</b>
ART R102	Western Art I: Prehistory Through Middle Ages	3.0
ART R103	Survey of Western Art from Renaissance to Contemporary	3.0
ART R104A	Color and Design: 2-D Foundations	3.0
ART R104B	Color Theory	3.0
	<i>*Prerequisites: ART R104A</i>	
ART R106A	Drawing and Composition I	3.0
ART R106B	Drawing and Composition II	3.0
	<i>*Prerequisites: ART R106A</i>	
ART R115A	Abstract Concepts I	3.0
	<i>*Prerequisites: ART R110A</i>	
ART R126A	Life Drawing I	3.0
	<i>*Prerequisites: ART R106A</i>	
ART R126B	Life Drawing II	3.0
	<i>*Prerequisites: ART R126A</i>	
ART R165	Portfolio/Gallery Presentation	3.0
	<i>*Prerequisites: ART R106A</i>	

#### CHOOSE A SERIES OF 2 PAINTING COURSES (MINIMUM OF 6 UNITS):

ART R108A	Beginning Oil Painting	3.0
ART R108B	Intermediate Oil Painting	3.0
	<i>*Prerequisites: ART R108A</i>	
<b>OR</b>		
ART R110A	Beginning Acrylic Painting	3.0
ART R110B	Intermediate Acrylic Painting	3.0
	<i>*Prerequisites: ART R110A</i>	

#### TOTAL REQUIRED MAJOR UNITS

		<b>36</b>
Additional units/requirements to complete the A.A. Degree:		
CSU GE-Breadth or IGETC Pattern		37-39
Double-Counted Units		6-9
Degree-Applicable Electives (needed to reach the 60 units)		0
<b>Total Units required for the A.A. Degree</b>		<b>66-69</b>



# ART HISTORY

## Associate in Arts for Transfer

Because art is among the most complex and dynamic forms of human creative expression, it is also a uniquely rich artifact for the understanding of human history. In Art History, we explore art with the tools of an historian, combining close visual study of artworks with historical investigation and analysis. Art History students gain an understanding of the development of art in cultures around the world and throughout time, as well as an appreciation for the deep relationship between art and broader social and cultural concerns. Through the study of Art History, students build skills in visual analysis and interpretation, critical thinking, research and writing. Students majoring in Art History may explore art and visual culture from around the world, learn fundamental art techniques, and gain experience in museum and gallery work. Core courses in the major cover the history of Western art and provide instruction in the fundamentals of drawing. Electives offer students the opportunity to explore non-Western art, go deeper in their study of a selected period of art, or develop their hands-on understanding of the materials and techniques of art-making. The Associate in Arts in Art History for Transfer (Art History AA-T) is intended for students who plan to complete a bachelor's degree in a "similar" major at a CSU campus. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to [adgreewithaguarantee.com](http://adgreewithaguarantee.com) and seek guidance from a Oxnard College counselor. For more information on Art History, contact: Rainer Mack, [rmack@vcccd.edu](mailto:rmack@vcccd.edu) (805) 678-5181.

### REQUIRED CORE COURSES (9 UNITS):

		UNITS
ART R102	Western Art I: Prehistory through the Middle Ages <i>*Advisories: ENGL R101 or ENGL R101H</i>	3.0
ART R103	Western Art II: Renaissance to Contemporary <i>*Advisories: ENGL R101 or ENGL R101H</i>	3.0
ART R106A	Drawing and Composition I	3.0

### LIST A - SELECT ONE (3 UNITS):

ART R172	Art of the Ancient Americas <i>*Advisories: ENGL R101 or ENGL R101H</i>	3.0
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### LIST B - SELECT ONE (3 UNITS):

ART R104A	Color and Design: 2-D Foundations	3.0
ART R108A	Beginning Oil Painting	3.0
ART R110A	Beginning Acrylic Painting	3.0
ART R126A	Life Drawing I <i>*Prerequisites: ART R106A</i>	3.0
ART R155	Beginning Sculpture	3.0
ART R160	Introduction to Digital Photography	3.0
ART R175	Introduction to Digital Art	3.0
ART R180	3-D Foundations	3.0

### LIST C - SELECT ONE (3 UNITS):

	Any course from List B not already selected above	3.0
	<b>OR</b>	
ANTH R102/H	Introduction to Cultural Anthropology/Honors	3.0
ANTH R103	Introduction to Archaeology	3.0
ANTH R105	Sex, Gender and Culture	3.0
ANTH R107	The Anthropology of Native Americans	3.0
ANTH R110	People of the World: The Cultures of Globalization and Change	3.0
ANTH R113	Ancient Civilizations of the Americas	3.0
ANTH R114	African American Culture and Experience	3.0
ANTH R115	Introduction to Language and Culture	3.0
ART R170	Introduction to Women in Art: Woman as Artist; Woman as Image	3.0
ART R171	Survey of Modern Art	3.0
CHST R101	Introduction to Chicana/o Studies	3.0
CHST R107	History of Mexicans in the United States	3.0
ENGL R104	English Literature I <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
ENGL R105	English Literature II <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
ENGL R107	American Literature I	3.0





	<i>*Prerequisites: ENGL R101 or ENGL R101H</i>	
ENGL R108	American Literature II	3.0
	<i>*Prerequisites: ENGL R101 or ENGL R101H</i>	
ENGL R111	Shakespeare	3.0
	<i>*Prerequisites: ENGL R101 or ENGL R101H</i>	
ENGL R112	Literature by Women	3.0
	<i>*Prerequisites: ENGL R101 or ENGL R101H</i>	
ENGL R124	Introduction to LGBTIQ Literature	3.0
	<i>*Prerequisites: ENGL R101 or ENGL R101H</i>	
FTVE R107	History of Film	3.0
GLST R101	Introduction to Global Studies	3.0
HIST R104	History of California	3.0
HIST R107	History of Mexicans in the United States	3.0
HIST R108	African-American History	3.0
HIST R109	History of Mexico	3.0
HIST R110	History of the Middle East	3.0
HIST R117	History of American Women	3.0
HIST R122	History of Asia	3.0
HIST R126	History of Latin America	3.0
HIST R130/H	History of the United States I/Honors	3.0
HIST R140/H	History of the United States II/Honors	3.0
HIST R150/H	World History I/Honors	3.0
HIST R160/H	World History II/Honors	3.0
MUS R116	History of Rock Music	3.0
PHIL R101/H	Introduction to Philosophy/Honors	3.0
PHIL R103	Survey of World Religions: East	3.0
PHIL R104	Survey of World Religions: West	3.0
PHIL R105	History of Ancient and Medieval Philosophy	3.0
PHIL R106	History of Modern Philosophy	3.0
PHIL R108	World Mythology	3.0
PHIL R115/H	Comparative World Religions/Honors	3.0
SPAN R101	Elementary Spanish 1	5.0
SPAN R102	Elementary Spanish 2	5.0
	<i>*Prerequisites: SPAN R101 or two years of high school Spanish with grades of C or better or placement as determined by the college's multiple measures assessment process</i>	
SPAN R103	Intermediate Spanish 1	5.0
	<i>*Prerequisites: SPAN R102</i>	
SPAN R104	Intermediate Spanish 2	5.0
	<i>*Prerequisites: SPAN R103</i>	
SPAN R140	Spanish for Heritage Speakers 1	5.0
	<i>*Advisories: SPAN R102</i>	
SPAN R141	Spanish for Heritage Speakers 2	5.0
	<i>*Prerequisites: SPAN R140</i>	
URBS R101	Introduction to Urban Studies	3.0

Total Required Major Units

18-20

CSU General Education or IGETC Pattern 37-39

Double-Counted Units (9-12)

Electives (CSU transferable units needed to reach 60) 10-17

**DEGREE TOTAL**

**60**



## **AUTO BODY/COLLISION REPAIR**

### **Proficiency Award**

(Awarded by the Department)

*The Auto Body/Collision Repair Program is a proficiency award that demonstrates students are prepared to apply technical knowledge and skills to repair, reconstruct and finish automobile bodies, fenders, and external features. For more information, contact: Jose Ortega, [jortega@vcccd.edu](mailto:jortega@vcccd.edu) (805) 678-5047.*

#### **REQUIRED COURSES:**

		<b>UNITS</b>
AB R001	Introduction to Automotive – Body and Fender Repair	4.0
AB R002	Intermediate Auto Body and Fender Repair	4.0
	<i>*Prerequisites: AB R001</i>	

**TOTAL REQUIRED UNITS**

---

**8.0**



## AUTO BODY PAINTING AND REFINISHING

### Proficiency Award

(Awarded by the Department)

The Auto Body Painting and Refinishing Program is a proficiency award that prepares students for positions in the auto body and repair industry in the area of painting and refinishing. *For more information, contact: Jose Ortega, [jortega@vcccd.edu](mailto:jortega@vcccd.edu) (805) 678-5047.*

#### REQUIRED COURSES:

AB R005A Auto Body Painting and Refinishing I  
AB R005B Auto Body Painting and Refinishing II

\*Prerequisites: AB R005A

#### UNITS

2.0

4.0

**TOTAL REQUIRED UNITS**

---

**6**



## AUTOMATION AND CONTROL SYSTEMS

Associate in Science Degree  
Certificate of Achievement

The Automation and Control Systems program provides training in foundation level skills necessary for employment in the expanding field of automation and control systems. Training includes electrical power and controls, instrumentation, programmable logic controllers (PLCs), building automation, and networking. Graduates can seek employment and excellent wage opportunities as building automation technicians and control systems technicians with manufacturers, vendors, service companies, as well as large facilities such as government and education facilities, hospitals, and office buildings. *For more information, contact: Alan Ainsworth, [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu) (805) 678-5042.*

### REQUIRED COURSES:

### UNITS

AC R020	Electrical Systems I	3.0
AC R020L	Electrical Systems I Lab	2.0
AC R021L	Electrical Systems II Lab	2.0
	<i>*Prerequisites: AC R020L</i>	
ACS R100	Automation and Control Systems	4.0
	<i>*Prerequisites: AC R020, AC R020L, and AC R021L</i>	
ACS R110	Programmable Logic Controllers (PLCs)	4.0
	<i>*Prerequisites: AC R020, AC R020L, and AC R021L</i>	
CNIT R120	Cisco CCNA Computer Networking I	4.0
<b>OR</b>		
CNIT R144	CompTIA Security+ Fundamentals and Certification Prep	4.0

### TOTAL REQUIRED MAJOR UNITS

19

Additional units/requirements to complete the A.S. Degree:

Oxnard College General Education Pattern 29

Double-Counted Units 0

Degree-Applicable Electives (needed to reach the 60 units) 12

**Total Units required for the A.S. Degree** **60**



## AUTOMOTIVE BODY AND FENDER REPAIR

Associate in Science Degree  
Certificate of Achievement

The Automotive Body, Painting, and Fender Repair program at Oxnard College prepares students to enter the industry as entry-level technicians and provides continuous skills improvement training for employed technicians in the field. Students can complete a Certificate of Achievement and an Associate of Science Degree if the necessary general education requirements are completed. The program emphasizes hands-on training in body, fender, collision repair, painting, and automotive graphics so that students have the skills necessary to gain employment in the industry. *For more information, contact: Jose Ortega, [jortega@vcccd.edu](mailto:jortega@vcccd.edu) (805) 678-5047.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
AB R001 Introduction to Automotive - Body and Fender Repair	4.0
AB R002 Intermediate Auto Body and Fender Repair <i>*Prerequisites: AB R001</i>	4.0
AB R003 Introduction to Estimating Auto Body Damage <i>*Prerequisites: AB R002</i>	4.0
AB R004 Advanced Auto Body Collision and Damage Repair <i>*Prerequisites: AB R003</i>	4.0
AB R005A Auto Body Painting and Refinishing I	2.0
AB R005B Auto Body Painting and Refinishing II <i>*Prerequisites: AB R005A</i>	4.0
	<b>22</b>
 <b>REQUIRED ADDITIONAL COURSES:</b>	
<b>Complete a minimum of one course from the following:</b>	
AB R007A Automotive Graphics	2.0
AB R007B Advanced Automotive Graphics <i>*Prerequisites: AB R007A</i>	2.0
AT R010 Fundamentals of Auto Technology <i>*Advisories: Concurrent enrollment in AT R011</i>	3.0
AT R015 Automotive Electrical Systems <i>*Corequisites: AT R015L</i> <i>*Advisories: AT R010</i>	4.0
	2-4
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>24-26</b>
 Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	5-7
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## **AUTOMOTIVE GRAPHICS**

### **Proficiency Award**

(Awarded by the Department)

*The Automotive Graphics Program is a proficiency award that prepares students for positions in the auto body and repair industry as well as other fields that require graphic design skill sets such as paint mixing, customized murals, advanced commercial lettering, advanced outlines and shadowing, and advanced pin-striping. For more information, contact: Jose Ortega, [jortega@vccd.edu](mailto:jortega@vccd.edu) (805) 678-5047.*

#### **REQUIRED COURSES:**

AB R007A Automotive Graphics  
AB R007B Advanced Automotive Graphics

\**Prerequisites:* AB R007A

#### **UNITS**

2.0  
2.0

**TOTAL REQUIRED UNITS**

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**4**



## AUTOMOTIVE TECHNOLOGY

### Associate in Science Degree Certificate of Achievement

The Automotive Technology program at Oxnard College is designed to prepare students as entry-level technicians for the automotive field. The program also provides improvement training for working automotive technicians dealing with rapidly changing technologies and updated certification exams. Students can complete a Proficiency Award (Entry Level Alignment Specialist, Entry Level Brake and Electrical Specialist), an Associate of Science Degree or Certificate of Achievement. Courses include a full range of curriculum for this career: fundamentals and foundations of automotive, automotive electrical, engine performance, brake systems, steering and suspension, heating and air conditioning systems, transmissions, and automotive business management. In addition, students can enter a pathway to becoming a State of California, Bureau of Automotive Repair licensed vehicle Emissions Inspector. The courses are designed to give a student knowledge and hands-on training needed to achieve ASE (Automotive Service Excellence) certification. All courses are taught by ASE certified instructors and the program is certified by NATEF (National Automotive Technicians Educational Foundation). *For more information, contact: Richard Williams, [rwilliams@vcccd.edu](mailto:rwilliams@vcccd.edu) (805) 678-5890.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
AT R010 Fundamentals of Auto Technology <i>*Advisories: Concurrent enrollment in AT R011</i>	3.0
AT R011 Foundations of Automotive Technology <i>*Advisories: Concurrent enrollment in AT R010</i>	3.0
AT R013 Automotive Engine Performance <i>*Corequisites: AT R013L</i> <i>*Advisories: AT R010</i>	4.0
AT R013L Automotive Engine Performance Lab <i>*Corequisites: AT R013</i> <i>*Advisories: AT R010</i>	2.0
AT R015 Automotive Electrical Systems <i>*Corequisites: AT R015L</i> <i>*Advisories: AT R010</i>	4.0
AT R015L Automotive Electrical Systems Lab <i>*Corequisites: AT R015</i> <i>*Advisories: AT R010</i>	2.0
AT R016 Auto Electronics <i>*Prerequisites: AT R015 and AT R015L</i> <i>*Advisories: AT R010</i>	3.0
AT R018 Automotive Brake Systems <i>*Corequisites: AT R018L</i> <i>*Advisories: AT R010</i>	4.0
AT R018L Automotive Brake Systems Lab <i>*Corequisites: AT R018</i>	2.0
AT R033 Automotive Emission and Fuel Control Systems <i>*Advisories: AT R010</i>	4.0
AT R050 Automotive Steering and Suspension <i>*Advisories: AT R011</i>	6.0
<b>TOTAL CORE REQUIREMENTS</b>	<b>37</b>



**REQUIRED ADDITIONAL COURSES (MINIMUM 5 UNITS):**      **UNITS**  
**Complete a minimum of five units from the following:**

AT R012	Automotive Air Conditioning <i>*Advisories: AT R010</i>	2.0
AT R014	Advanced Engine Performance <i>*Prerequisites: AT R013</i> <i>*Corequisites: AT R014L</i>	4.0
AT R014L	Advanced Engine Performance Lab <i>*Prerequisites: AT R013</i> <i>*Corequisites: AT R014</i>	2.0
AT R026	Automotive Engine Overhaul <i>*Corequisites: AT R026L</i> <i>*Advisories: AT R010</i>	4.0
AT R026L	Automotive Engine Overhaul Lab <i>*Corequisites: AT R026</i> <i>*Advisories: AT R010</i>	2.0
AT R030	Automotive Transmissions and Drive Line <i>*Corequisites: AT R030L</i> <i>*Advisories: AT R010</i>	3.0
AT R030L	Automotive Transmissions and Drive Line Lab <i>*Corequisites: AT R030</i> <i>*Advisories: AT R010</i>	2.0
AT R048	Smog Check Procedures <i>*Advisories: AT R013 or AT R013L or AT R033</i>	3.0
AT R060	Automotive Business Management	6.0
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>42-43</b>
Additional units/requirements to complete the A.S. Degree:		
Oxnard College General Education Pattern		29
Double-Counted Units		0
Degree-Applicable Electives (needed to reach the 60 units)		0
<b>Total Units required for the A.S. Degree</b>		<b>71-72</b>



## **BAKING AND PATISSERIE PROFICIENCY AWARD**

(Awarded By The Department)

This award introduces the fundamental concepts, skills and techniques of basic baking. Special emphasis placed on the study of ingredient functions, product identification, and weights and measures as applied to baking. Students will have the opportunity to apply basic baking techniques in the preparation of cookies, cakes, muffins, tarts and basic custards and petit fours. Traditional meringues, butter creams and Génoise Sponge will be included. This program prepares students for entry level employment in bakeries, grocery store bakeries, institutional bakeries, or restaurants where baked goods are prepared and sold. *For more information, contact: Career & Technical Education Division Office, (805) 678-5824.*

### **REQUIRED COURSES:**

		<b>UNITS</b>
CRM R103A	Baking Techniques	6.0
	<i>*Prerequisites: CRM R102A</i>	
CRM R103B	Advanced Pastry	3.5
CRM R104	Sanitation & Environmental Control	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>12.5</b>



## BIOLOGY

### Associate in Arts for Transfer

Biology is the study of living organisms from those composed of one cell to those made of trillions of cells and everything in between, including bacteria, mushrooms, humans, other animals, and plants. Biology majors also receive a strong foundation in other science fields, as these are relevant to living organisms. For example, all living things are made of molecules. So to understand how these molecules will interact in living organisms, biology majors will receive a foundation in chemistry. Students in the biology program at Oxnard College will learn about the diversity of living organisms and will become skilled in laboratory techniques. Various career options in biology will also be explored. Biology majors have the choice between two degree options. The Associate in Arts in Biology (A.A.) is recommended for those looking to transfer to a University of California school or planning on a career in the medical or dental field. The Associate in Science in Biology for Transfer (AS-T) is recommended for those students planning to transfer to a California State University school as it provides certain guarantees upon transfer. See a counselor for more information. For students interested in the wonder of the living world, the Oxnard College Biology program is the place to be. **UC Limitation on Transfer of Biology Courses:** The UC will give credit for only one Biology series: R101 and R101L, or R120 and R120L. No credit will be given for R101 and R101L if taken after R120 and R120L. For more information, contact: Anatomy/Physiology – Michael Abram, [mabram@vcccd.edu](mailto:mabram@vcccd.edu), (805) 678-5049 General Biology and Marine Biology – Shannon Newby, [snewby@vcccd.edu](mailto:snewby@vcccd.edu), (805) 678-5050 Microbiology – James Harber, [jharber@vcccd.edu](mailto:jharber@vcccd.edu), (805) 678-5048.

#### REQUIRED CORE COURSES (10 UNITS):

		UNITS
BIOL R120	Principles of Biology I <i>*Prerequisites:</i> CHEM R120; and MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process <i>Advisories:</i> ENGL R097, or ENGL R100, or ENGL R101/H	4.0
BIOL R120L	Principles of Biology I Lab <i>*Prerequisites:</i> BIOL R120 or concurrent enrollment	1.0
BIOL R122	Principles of Biology II <i>*Prerequisites:</i> BIOL R120 and BIOL R120L; MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process <i>Advisories:</i> ENGL R101/H	4.0
BIOL R122L	Principles of Biology II Lab <i>*Prerequisites:</i> BIOL R120 and BIOL R120L; BIOL R122 or concurrent enrollment	1.0

#### LIST A (25 UNITS):

CHEM R120	General Chemistry I <i>*Prerequisites:</i> CHEM R110; and MATH R014 or MATH R033	5.0
CHEM R122	General Chemistry II <i>*Prerequisites:</i> CHEM R120	5.0
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites:</i> MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process	5.0



Select **one** Physics Sequence (10 UNITS):

**Sequence 1:**

PHYS R101	College Physics 1	4.0
	<i>*Prerequisites: MATH R116</i>	
PHYS R101L	College Physics 1 Laboratory	1.0
	<i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	
PHYS R102	College Physics 2	4.0
	<i>*Prerequisites: PHYS R101</i>	
PHYS R102L	College Physics 2 Laboratory	1.0
	<i>*Prerequisites: PHYS R102 or concurrent enrollment</i>	

**OR**

**Sequence 2:**

PHYS R131	Physics for Scientists and Engineers 1	5.0
	<i>*Prerequisites: MATH R120</i>	
PHYS R132	Physics for Scientists and Engineers 2	5.0
	<i>*Prerequisites: PHYS R131 and MATH R121</i>	

<b>Total Required Major Units</b>	<b>35</b>
CSU General Education or IGETC for STEM Pattern*	31-33
Double-Counted Units	(10)
Electives (CSU transferable units needed to reach 60)	2-4
<b>DEGREE TOTAL</b>	<b>60</b>



## BIOLOGY

### Associate in Arts

Biology is the study of living organisms from those composed of one cell to those made of trillions of cells and everything in between, including bacteria, mushrooms, humans, other animals, and plants. Biology majors also receive a strong foundation in other science fields, as these are relevant to living organisms. For example, all living things are made of molecules. So to understand how these molecules will interact in living organisms, biology majors will receive a foundation in chemistry. Students in the biology program at Oxnard College will learn about the diversity of living organisms and will become skilled in laboratory techniques. Various career options in biology will also be explored. Biology majors have the choice between two degree options. The Associate in Arts in Biology (A.A.) is recommended for those looking to transfer to a University of California school or planning on a career in the medical or dental field. The Associate in Science in Biology for Transfer (AS-T) is recommended for those students planning to transfer to a California State University school as it provides certain guarantees upon transfer. See a counselor for more information. For students interested in the wonder of the living world, the Oxnard College Biology program is the place to be. **UC Limitation on Transfer of Biology Courses:** The UC will give credit for only one Biology series: R101 and R101L, or R120 and R120L. No credit will be given for R101 and R101L if taken after R120 and R120L. For more information, contact: Anatomy/Physiology – Michael Abram, [mabram@vcccd.edu](mailto:mabram@vcccd.edu), (805) 678-5049 General Biology and Marine Biology – Shannon Newby, [snewby@vcccd.edu](mailto:snewby@vcccd.edu), (805) 678-5050 Microbiology – James Harber, [jharber@vcccd.edu](mailto:jharber@vcccd.edu), (805) 678-5048.

<b>REQUIRED CORE COURSES (10 UNITS):</b>	<b>UNITS</b>
BIOL R120 Principles of Biology I <i>*Prerequisites:</i> CHEM R120; and MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process <i>Advisories:</i> ENGL R097, or ENGL R100, or ENGL R101/H	4.0
BIOL R120L Principles of Biology I Lab <i>*Prerequisites:</i> BIOL R120 or concurrent enrollment	1.0
BIOL R122 Principles of Biology II <i>*Prerequisites:</i> BIOL R120 and BIOL R120L; MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process <i>Advisories:</i> ENGL R101/H	4.0
BIOL R122L Principles of Biology II Lab <i>*Prerequisites:</i> BIOL R120 and BIOL R120L; BIOL R122 or concurrent enrollment	1.0
CHEM R120 General Chemistry I <i>*Prerequisites:</i> CHEM R110; and MATH R014 or MATH R033	5.0
CHEM R122 General Chemistry II <i>*Prerequisites:</i> CHEM R120	5.0
MATH R105 Introductory Statistics <i>*Prerequisites:</i> MATH R014, MATH R032, MATH R033 or placement as determined by the college's multiple measures assessment process	4.0
<b>TOTAL REQUIRED CORE UNITS</b>	<b>24</b>

<b>REQUIRED ADDITIONAL COURSES</b>	<b>UNITS</b>
Complete a minimum of 4 units from the following: BIOL/MST R100 Marine Biology <i>*Advisories:</i> ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101 or ENGL R101H; MATH R001	3.0



BIOL/MST R100L Marine Biology Laboratory	1.0
* <i>Prerequisites:</i> BIOL R100 or concurrent enrollment	
* <i>Advisories:</i> ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101 or R101H; MATH R001 and MATH R002	
BIOL R170 Biological Marine Resource Management	1.0
* <i>Corequisites:</i> GEOL R178 or MST R178	
BIOL R199 Directed Studies in Biology	1-3
* <i>Prerequisites:</i> BIOL R100 and BIOL R100L; or concurrent enrollment in BIOL R120 and BIOL R120L; or concurrent enrollment in MICR R100 and MICR R100L	
CHEM R130 Organic Chemistry I	5.0
* <i>Prerequisites:</i> CHEM R122	
ESRM R100 Introduction to Environmental Science	3.0
* <i>Advisories:</i> ENGL R101 or ENGL R101H	
MATH R120 Calculus with Analytic Geometry I	5.0
* <i>Prerequisites:</i> MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process	
MATH R121 Calculus with Analytic Geometry II	5.0
* <i>Prerequisites:</i> MATH R120	
MICR R100 Principles of Microbiology	3.0
* <i>Prerequisites:</i> MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process; and one of the following CHEM courses: CHEM R104, CHEM R110, CHEM R112 or CHEM R120; and one of the following pairs of courses: ANAT R101 and PHSO R101; or BIOL R120 and BIOL R120L	
* <i>Advisories:</i> ENGL R101 or ENGL R101H	
MICR R100L Principles of Microbiology Lab	2.0
* <i>Prerequisites:</i> MICR R100 or concurrent enrollment	
MST R160 Introduction to Research in Natural Resource Management	4.0
* <i>Prerequisites:</i> ESRM R100	
* <i>Advisories:</i> BIOL R100 and BIOL R100L, or BIOL R101/H and IOL R101L, or CHEM R104, or GEOG R101 and GEOG R101L, or GEOL R101 and GEOL R101L, or GEOL R103 and GEOL R103L, or MST R100 and MST R100L, or MST R103 and MST R103L, or PHYS R101 and PHYS R101L, or PHYS R121	
PHSO R101 Human Physiology	5.0
* <i>Prerequisites:</i> ANAT R101, and CHEM R104 or CHEM R110, and MATH R014 or MATH R033, and ENGL R097	
PHYS R101 College Physics 1	4.0
* <i>Prerequisites:</i> MATH R116	
PHYS R101L College Physics 1 Laboratory	1.0
* <i>Prerequisites:</i> PHYS R101 or concurrent enrollment	
PHYS R121 Physics with Calculus I	5.0
* <i>Prerequisites:</i> MATH R120	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>28</b>
Additional units/requirements to complete the A.A. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	9
Degree-Applicable Electives (needed to reach the 60 units)	12
<b>TOTAL REQUIRED UNITS FOR THE A.A. DEGREE</b>	<b>60</b>



## BUSINESS

### Associate in Arts Degree

This program is designed for students interested in transferring to a four-year college or university to complete a bachelor's degree in Business, Business Administration, Management, Economics, Accounting, Marketing, and other Business-related majors. The courses in the Associate Degree listed below are the most commonly required lower-division courses in these majors at both CSU and UC campuses as well as independent colleges and universities. Business related majors are popular at all university campuses and impacted at many, making admission into these programs competitive. At some universities, admission preference may be given to students who have completed all lower-division major requirements prior to transfer. Requirements vary by campus and are subject to change. Students are advised to refer to the official articulation agreements on [assist.org](http://assist.org) for the most current requirements of their intended transfer institution and should work with a counselor to create a transfer plan. *For more information, contact: Robert Cabral, [rcabral@vcccd.edu](mailto:rcabral@vcccd.edu) (805) 678-5051.*

#### REQUIRED COURSES:

	<b>UNITS</b>
ACCT R101 Financial Accounting <i>* Advisories: BUS R001</i>	3.0
ACCT R102 Managerial Accounting <i>* Prerequisites: ACCT R101 or ACCT R101H</i>	3.0
ECON R101 Introduction to the Principles of Macroeconomics <i>* Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>* Advisories: MATH R014 or MATH R014B</i>	3.0
ECON R102 Introduction to the Principles of Microeconomics <i>* Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>* Advisories: MATH R014 or MATH R014B</i>	3.0

#### CHOOSE ONE INFORMATION TECHNOLOGY COURSE:

CAOT R122 Microsoft Office <i>* Advisories: CIS R020A</i>	3.0
<b><u>OR</u></b>	
CIS R100 Introduction to Computer Information Systems <i>* Advisory: CIS R020A</i>	3.0

#### CHOOSE ONE MATHEMATICS COURSE:

MATH R106 Business Calculus <i>* Prerequisites: MATH R115 or placement as determined by the college's multiple measures assessment process</i>	4.0
<b><u>OR</u></b>	
MATH R120 Calculus with Analytic Geometry I <i>* Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>	5.0

#### CHOOSE ONE ADDITIONAL MAJOR PREPARATION COURSE:

BUS R111 Business Law	3.0
BUS R140 Business Communications <i>* Prerequisites: ENGL R101 or ENGL R101H</i> <i>* Advisories: Word-processing skills</i>	3.0
MATH R105 Introductory Statistics <i>* Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0

**TOTAL REQUIRED MAJOR UNITS**

**22-24**



## BUSINESS ADMINISTRATION

### Associate in Arts for Transfer

The Business program offers a variety of courses in business leading to the degrees of Associate in Arts and Science and Certificates in Business and Business Management. In addition to the major coursework, which emphasizes business and accounting practices, the business program combines studies in computer information systems and meets the needs of students targeting careers that meld knowledge of business and information systems. *For more information, contact: Robert Cabral, [rcabral@vcccd.edu](mailto:rcabral@vcccd.edu) (805) 678-5051.*

**REQUIRED CORE COURSES (15 UNITS):** **UNITS**

ACCT R101	Financial Accounting <i>*Advisories: BUS R001</i>	3.0
ACCT R102	Managerial Accounting <i>*Prerequisites: ACCT R101 or ACCT R101H</i>	3.0
BUS R111	Business Law	3.0
ECON R101	Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0

**LIST A - SELECT ONE OF THE FOLLOWING COURSES (4 UNITS):**

MATH R105	Introductory Statistics <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
MATH R106	Business Calculus <i>*Prerequisites: MATH R115 or placement as determined by the college's multiple measures assessment process</i>	4.0

**LIST B - SELECT TWO COURSES WITH NO MORE THAN ONE COURSE FROM EACH CATEGORY (6-7 UNITS):**

	<b>1)</b>	<b><u>Mathematics</u></b> <i>*Any course from List A not already chosen</i>	4.0
	<b>2)</b>	<b><u>Business</u></b> BUS R120 Introduction to Business 3.0 BUS R140 Business Communication 3.0 <i>*Prerequisites: ENGL R101 or ENGL R101H</i> <i>*Advisories: Word-processing skills</i>	
	<b>3)</b>	<b><u>Business Information Systems</u></b> CAOT R122 Microsoft Office 3.0 <i>*Advisories: CIS R020A</i> CIS R100 Introduction to Computer Information Systems 3.0 <i>*Advisory: CIS R020A</i>	

**TOTAL REQUIRED MAJOR UNITS**

CSU General Education or IGETC Pattern	25-26
Double-Counted Units	38-41
Electives (CSU transferable units needed to reach 60)	(9)
	2-6

**DEGREE TOTAL 60**



## BUSINESS MANAGEMENT

Associate in Science Degree  
Certificate of Achievement

This program will prepare students for management positions within an organization. These positions would include responsibilities for formulating and implementing policies, long-range planning, and overseeing the work of other levels within the organization. *For more information, contact: Robert Cabral, [rcabral@vcccd.edu](mailto:rcabral@vcccd.edu) (805) 678-5051.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
ACCT R101 Financial Accounting <i>*Advisories: BUS R001</i>	3.0
ACCT R102 Managerial Accounting <i>*Prerequisites: ACCT R101 or ACCT R101H</i>	3.0
BUS R100 Introduction to Entrepreneurship	1.0
BUS R111 Business Law	3.0
BUS R120 Introduction to Business	3.0
BUS R121 Introduction to Management	3.0
BUS R122 Human Resource Management	3.0
BUS R130 Sales Management	3.0
BUS R132 Marketing	3.0
BUS R140 Business Communications <i>*Prerequisites: ENGL R101 or ENGL R101H</i> <i>*Advisories: Word-processing skills</i>	3.0
PSY R102A Interpersonal Relations	3.0
<b>COMPLETE ONE OF THE FOLLOWING COURSES:</b>	<b>UNITS</b>
BUS R103 Business Mathematics	3.0
BUS R125 Personal Finance	3.0
CIS R100 Introduction to Computer Information Systems <i>*Advisory: CIS R020A</i>	3.0
COMM R101 Introduction to Oral Communication <i>*Advisories: ENGL R101 or ENGL R101H</i>	3.0
ECON R101 Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0
ECON R102 Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>34</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	3-6
Degree-Applicable Electives (needed to reach the 60 units)	0-3
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## CHEMISTRY

### Associate in Arts Degree

Chemistry is the science that deals with the composition, structure, and properties of matter and with the changes matter undergoes. There are many different employment opportunities open to chemists. A chemist can work in a laboratory or research environment asking questions and testing hypotheses with experiments. Another possibility for a chemist is to work on a computer developing theories or models or to predict reactions. Some chemists do field work, others contribute advice on chemistry for projects. Some chemists write. Some chemists teach, while others use chemistry to enter the medical field. **UC Limitation on Transfer of Chemistry Courses:** The UC will not give credit for CHEM R104 or CHEM R110 if taken after CHEM R120. No credit will be given for CHEM R112 if taken after CHEM R130. For more information, contact: Yong Ma, yma@vcccd.edu, (805) 678-5053 or Anna Toy-Palmer, atoypalmer@vcccd.edu, (805) 678-5205.

#### REQUIRED CORE COURSES

		UNITS
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>	5.0

#### TOTAL REQUIRED CORE UNITS

**15**

#### Required Additional Courses Units

Complete a minimum of 5 units from the following:

	CHEM R130 Organic Chemistry I <i>*Prerequisites: CHEM R122</i>	5.0
<b>OR</b>		
	CHEM R112 Elementary Organic and Biological Chemistry <i>*Prerequisites: CHEM R110 or CHEM R120</i>	5.0

#### ADDITIONAL REQUIRED UNITS

**5.0**

Complete a minimum of 10 units from the following sequences:

	PHYS R121 Physics with Calculus 1 <i>*Prerequisites: MATH R120</i>	5.0
	PHYS R122 Physics with Calculus 2 <i>*Prerequisites: PHYS R121 and MATH R121</i>	5.0
<b>OR</b>		
	PHYS R101 College Physics 1 <i>*Prerequisites: MATH R116</i>	4.0
	PHYS R101L College Physics 1 Laboratory <i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	1.0
	PHYS R102 College Physics 2 <i>*Prerequisites: PHYS R101</i>	4.0
	PHYS R102L College Physics 2 Laboratory <i>*Prerequisites: PHYS R102 or concurrent enrollment</i>	1.0

#### TOTAL SEQUENCE UNITS

**10**

#### TOTAL REQUIRED MAJOR UNITS

**30**

Additional units/requirements to complete the A.A. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	6
Degree-Applicable Electives (needed to reach the 60 units)	7

#### Total Units required for the A.A. Degree

**60**



Proposed plan of study for A.A. degree in Chemistry:

**YEAR 1: FALL SEMESTER**

CHEM R120  
MATH R120

**YEAR 2: FALL SEMESTER**

PHYS R101  
PHYS R101L

**SPRING SEMESTER**

CHEM R122  
CHEM R112

**SPRING SEMESTER**

PHYS R102  
PHYS R102L

Alternate proposed plan of study for A.A. degree in Chemistry:

**YEAR 1: FALL SEMESTER**

CHEM R120  
MATH R120

**YEAR 2: FALL SEMESTER**

PHYS R101  
PHYS R101L  
CHEM R130

**SPRING SEMESTER**

CHEM R122

**SPRING SEMESTER**

PHYS R102  
PHYS R102L

In either of the two plans of study above, PHYS R121 can be substituted for PHYS R101 and PHYS R101L. PHYS R122 can be substituted for PHYS R102 and PHYS R102L.

**Please note:** If students plan to transfer to CSUCI to major in chemistry, it is advised that they complete CHEM R130 and CHEM R132 prior to transfer. These are required courses for the B.A. or the B.S. in chemistry at CSUCI as well as most B.A. or B.S. degree programs in chemistry or biochemistry at other four-year universities. For a B.S. in biochemistry at CSUCI, students may follow the A.A. in chemistry track at Oxnard College but should also complete the following before transfer:

		<b>Units</b>
BIOL R120	Principles of Biology I	4.0
BIOL R120L	Principles of Biology I Laboratory	1.0
BIOL R122	Principles of Biology II	4.0
BIOL R122L	Principles of Biology II Laboratory	1.0
CHEM R130	Organic Chemistry I	5.0
CHEM R132	Organic Chemistry II	5.0

Proposed plan of study for A.A. in chemistry and preparation for B.S. in biochemistry at CSUCI:

**YEAR 1: FALL SEMESTER**

CHEM R120  
MATH R120

**YEAR 2: FALL SEMESTER**

CHEM R130  
BIOL R120  
BIOL R120L  
PHYS R121  
PHYS R121L

**SPRING SEMESTER**

CHEM R122  
MATH R121

**SPRING SEMESTER**

CHEM R132  
BIOL R122  
BIOL R122L  
PHYS R122  
PHYS R122L



## CHEMISTRY

### Associate in Science Degree in Chemistry

Chemistry is the science that deals with the composition, structure, and properties of matter and with the changes matter undergoes. There are many different employment opportunities open to chemists. A chemist can work in a laboratory or research environment asking questions and testing hypotheses with experiments. Another possibility for a chemist is to work on a computer developing theories or models or to predict reactions. Some chemists do field work, others contribute advice on chemistry for projects. Some chemists write. Some chemists teach, while others use chemistry to enter the medical field. **UC Limitation on Transfer of Chemistry Courses:** The UC will not give credit for CHEM R104 or CHEM R110 if taken after CHEM R120. No credit will be given for CHEM R112 if taken after CHEM R130. For more information, contact: Yong Ma, yma@vcccd.edu, (805) 678-5053 or Anna Toy-Palmer, atoypalmer@vcccd.edu, (805) 678-5205.

REQUIRED CORE COURSES		UNITS
CHEM R120	General Chemistry I *Prerequisites: CHEM R110; and MATH R014 or MATH R033	5.0
CHEM R122	General Chemistry II *Prerequisites: CHEM R120	5.0
CHEM R130	Organic Chemistry I *Prerequisites: CHEM R122	5.0
CHEM R132	Organic Chemistry II *Prerequisites: CHEM R130	5.0
MATH R120	Calculus with Analytic Geometry I *Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process	5.0
MATH R121	Calculus with Analytic Geometry II *Prerequisites: MATH R120	5.0
PHYS R131	Physics for Scientists and Engineers I *Prerequisites: MATH R120	5.0
PHYS R132	Physics for Scientists and Engineers 2 *Prerequisites: PHYS R131 and MATH R121	5.0
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>40</b>

Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	6
Degree-Applicable Electives (needed to reach the 60 units)	0
<b>Total Units required for the A.S. Degree</b>	<b>60</b>

Proposed plan of study for A.S. degree in Chemistry:

#### YEAR 1: FALL SEMESTER

CHEM R120  
MATH R120

#### YEAR 2: FALL SEMESTER

CHEM R130  
PHYS R131

#### SPRING SEMESTER

CHEM R122  
MATH R121

#### SPRING SEMESTER

CHEM R132  
PHYS R132



## CHILD AND ADOLESCENT DEVELOPMENT

### Associate in Arts for Transfer

The Associate in Arts in Child and Adolescent Development is a 60-unit degree program that provides a solid lower-division preparation for students planning to transfer to a CSU for a Bachelor's degree in Child and Adolescent Development, Child Development, Child, Adolescent & Family Studies, Human Development or other related majors. In this major, students will explore theories and concepts about bio-physical, socio-emotional, and cognitive developmental milestones from conception through adolescence; individual and cultural differences; and common variations in development. In this broad, interdisciplinary curriculum, students will develop critical thinking, writing, and oral presentation skills in preparation to be professionals working with children and families. Students completing this degree will possess a working knowledge of human development from childhood through adolescence and will understand the importance of the family and cultural connection to the developing child. Students completing a four-year Bachelor's degree in Child and Adolescent Development or Child Development will have a foundation for a wide range of careers in developmentally related public organizations, teaching institutions, service agencies, and mental and physical health facilities, child advocacy, and youth programs, and will be prepared for advanced degrees and professional programs in the fields of clinical social work, clinical psychology, school psychology, school counseling, K-12 teaching, college teaching, public policy, and developmental research.

#### REQUIRED CORE COURSES (9-10 UNITS):

		UNITS
ECE R102	Child Growth and Development	3.0
PSY R101	General Psychology	3.0

#### Select one statistics course:

MATH R105	Introductory Statistics <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
SOC R125	Statistics for Behavioral and Social Sciences <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032</i>	3.0
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	3.0

#### LIST A - SELECT THREE COURSES FROM THE FOLLOWING GROUPS (9 UNITS):

##### Group 1 - Select one course (3 units):

ANTH R102	Introduction to Cultural Anthropology	3.0
SOC R101	Introduction to Sociology	3.0
ECE R106	Child, Family and Community	3.0
SOC R106	Contemporary Family in American Society	3.0



**Group 2 - Select up to two courses (0-6 units):**

PSY R108	Developmental Psychology	3.0
BIOL R101	General Biology	3.0

*\*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101/H; concurrent enrollment in BIOL R101L*

**Group 3 - Select up to two courses (0-6 units):**

ECE R103	Programs for Young Children	3.0
ECE R107	Teaching in a Diverse Society	3.0
ECE R111	Observation and Assessment	3.0

*\*Prerequisites: ECE R100 and ECE R102*  
*\*Limitations: Proof of two measles, mumps, and rubella vaccines, or a blood test for measles immunity; if not immune must receive 1 MMR vaccine. Proof of one Tdap in the last 10 years. Proof of one flu vaccine for the current year. Proof of Tuberculosis clearance within the last year (PPD, Quantiferon, or chest xray)*  
*\*Advisories: Finger print clearance.*

ECE R112	Practicum in Early Childhood Education	3.0
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*\*Prerequisites: ECE R102, ECE R106, and ECE R111*  
*\*Limitations: A negative TB test or X-ray is required.*  
*\*Advisories: Finger print clearance.*

ECE R113	Programs for Infants and Toddlers	3.0
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*\*Prerequisites: ECE R102*

ECE R129	Child Nutrition, Health and Safety	3.0
MATH R102	Mathematics for Elementary School Teachers	4.0

*\*Prerequisites: MATH R014 or MATH R014B or MATH R032 or placement as determined by the college's multiple measures assessment process*

POLS R101	Government of the United States I: Institutions and Politics	3.0
GEOG R101	Elements of Physical Geography	3.0
GEOG R102	World Regional Geography	3.0
GEOG R105	Introduction to Human Geography	3.0
COMM R101	Introduction to Oral Communication	3.0

*\*Advisories: ENGL R101/H*

COMM R110	Small Group Communication	3.0
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**Total Required Major Units**

**18-19**

CSU General Education or IGETC Pattern	37-39
Double-Counted Units	(12-18)
Electives (CSU transferable units needed to reach 60)	15-23

**DEGREE TOTAL**

**60**



## CHILD DEVELOPMENT/EARLY CHILDHOOD EDUCATION SITE SUPERVISOR

**Proficiency Award**  
(Awarded by the Department)

This proficiency award is designed for students who have completed the AS-T transfer degree in Early Childhood Education and who desire to apply for a Site Supervisor permit. The Site Supervisor permit authorizes the holder to supervise a child care and development program operating at a single site, provide service in the care, development, and instruction of children in a child care and development program, and serve as a coordinator of curriculum and staff development. **The earned AS-T in Early Childhood Education will serve as a prerequisite for this proficiency award.** For more information, contact: Patricia Mendez, [pmendez@vcccd.edu](mailto:pmendez@vcccd.edu) (805) 678-5054.

### REQUIRED COURSES:

		UNITS
ECE R115	Management for Child Development Programs: Administration and Supervision <i>*Prerequisites: ECE R103</i>	3.0
ECE R116	Management and Administration of Programs for Young Children <i>*Prerequisites: ECE R115</i>	3.0
ECE R117	Adult Supervision/Mentor Teacher <i>*Prerequisites: ECE R112</i>	2.0
<b>TOTAL REQUIRED UNITS</b>		<b>8.0</b>



## CISCO NETWORKING

### Proficiency Award

(Awarded by the Department)

The Cisco Networking Program is an award to recognize completers of the Cisco Networking Academy courses at Oxnard College including Cisco IT Essentials and Cisco CCNA.

#### REQUIRED COURSES:

		UNITS
CNIT R101	IT Essentials	3.0
CNIT R120	Cisco CCNA Computer Networking I	4.0
CNIT R121	Cisco CCNA Computer Networking II	4.0

\*Prerequisites: CNIT R120.

**TOTAL REQUIRED UNITS**

**11**



## COASTAL ENVIRONMENTAL STUDIES

### Associate in Arts

The Environmental Studies Program offers two degrees: The Associate in Arts (A.A.) and the Associate in Science (A.S.) in Coastal Environmental Studies. The courses in this major will prepare students for university transfer in a variety of multidisciplinary fields that will contribute to the sustainable use of our coastal habitats. The A.A. degree is awarded upon satisfactory completion of a minimum of 60 semester units of which 31 semester units are required for the major. The A.S. degree is awarded upon satisfactory completion of a minimum of 60 semester units of which 33 semester units are required for the major. *For more information, contact: Shannon Newby, [snewby@vcccd.edu](mailto:snewby@vcccd.edu), (805) 678-5050 or Thomas O'Neil, [toneil@vcccd.edu](mailto:toneil@vcccd.edu), (805) 678-1916.*

#### RESOURCE MANAGEMENT CORE COURSE (3 UNITS REQUIRED)

**UNITS**

ESRM R100 Introduction to Environmental Science and Resource Management 3.0  
*\*Advisories: ENGL R101 or ENGL R101H*

#### FIELD STUDIES/APPLIED RESOURCE MANAGEMENT (3-4 UNITS REQUIRED)

**UNITS**

MST R100 Marine Biology 3.0  
*\*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101 or ENGL R101H; MATH R001*

MST R100L Marine Biology Laboratory 1.0  
*\*Prerequisites: MST R100 or BIOL R100 or concurrent enrollment*  
*\*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101; MATH R001 and MATH R002*

MST R122 Aquaculture 4.0

MST R160 Introduction to Research in Natural Resource Management 4.0  
*\*Prerequisites: ESRM R100*  
*\*Advisories: BIOL R100 and BIOL R100L, or BIOL R101/H and BIOL R101L, or CHEM R104, or GEOG R101 and GEOG R101L, or GEOL R101 and GEOL R101L, or GEOL R103 and GEOL R103L, or MST R100 and MST R100L, or MST R103 and MST R103L, or PHYS R101 and PHYS R101L, or PHYS R121*

MST R170 Biological Marine Resource Management 1.0  
*\*Corequisites: MST R178 or GEOL R178*

MST R178 Geological Marine Resource Management 1.0  
*\*Corequisites: MST R170 or BIOL R170*

MST R190 Communicating Ocean Science to Informal Audiences 1.0  
*\*Advisories: One introductory STEM course, so student has been exposed to STEM subjects*

MST R195 Communicating Ocean Science 3.0  
*\*Advisories: One introductory STEM course, so student has been exposed to STEM subjects.*

MST R199 Directed Studies in Marine-Related Topics 1.0 – 3.0  
*\*Prerequisites: BIOL R100 and BIOL R100L, or BIOL R101/H and BIOL R101L, or BIOL R120 and BIOL R120L, or MICR R100 and MICR R100L, or MST R100 and MST R100L, or PHSO R101*



<b>EARTH SCIENCE (4 UNITS REQUIRED)</b>		<b>UNITS</b>
	GEOL R101 Physical Geology	3.0
	GEOL R101L Physical Geology Laboratory	1.0
	<i>*Prerequisites: GEOL R101 or concurrent enrollment</i>	
	<b>OR</b>	
GEOL R103 Introduction to Oceanography	3.0	
GEOL R103L Introduction to Oceanography Laboratory	1.0	
<i>*Prerequisites: GEOL R103 or MST R103 or concurrent enrollment</i>		
<b>LIFE SCIENCE (4 UNITS REQUIRED)</b>		<b>UNITS</b>
BIOL R101 General Biology	3.0	
<i>*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101/H; concurrent enrollment in BIOL R101L</i>		
BIOL R101L General Biology Laboratory	1.0	
<i>*Prerequisites: BIOL R101 or concurrent enrollment</i>		
<i>*Advisories: MATH R002</i>		
<b>MATHEMATICS (4 UNITS REQUIRED)</b>		<b>UNITS</b>
MATH R105 Introductory Statistics	4.0	
<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>		
<b>PHYSICAL SCIENCE (10 UNITS REQUIRED)</b>		<b>UNITS</b>
CHEM R120 General Chemistry I	5.0	
<i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i>		
CHEM R122 General Chemistry II	5.0	
<i>*Prerequisites: CHEM R120</i>		
<b>SOCIAL SCIENCE (3 UNITS REQUIRED)</b>		<b>UNITS</b>
ANTH R102/H Introduction to Cultural Anthropology/Honors	3.0	
GEOG R102 World Regional Geography	3.0	
<hr/>		<hr/>
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>31-32</b>
Additional units/requirements to complete the A.A. Degree:		
Oxnard College General Education Pattern	29	
Double-Counted Units	12	
Degree-Applicable Electives (needed to reach the 60 units)	11-12	
<b>Total Units required for the A.A. Degree</b>		<hr/> <b>60</b>



## COASTAL ENVIRONMENTAL STUDIES

### Associate in Science

The Environmental Studies Program offers two degrees: The Associate in Arts (A.A.) and the Associate in Science (A.S.) in Coastal Environmental Studies. The courses in this major will prepare students for university transfer in a variety of multidisciplinary fields that will contribute to the sustainable use of our coastal habitats. The A.A. degree is awarded upon satisfactory completion of a minimum of 60 semester units of which 31 semester units are required for the major. The A.S. degree is awarded upon satisfactory completion of a minimum of 60 semester units of which 33 semester units are required for the major. *For more information, contact: Shannon Newby, [snewby@vcccd.edu](mailto:snewby@vcccd.edu), (805) 678-5050 or Thomas O'Neil, [toneil@vcccd.edu](mailto:toneil@vcccd.edu), (805) 678-1916.*

#### RESOURCE MANAGEMENT CORE COURSE (3 UNITS REQUIRED)

**UNITS**

ESRM R100 Introduction to Environmental Science and Resource Management 3.0  
*\*Advisories: ENGL R101 or ENGL R101H*

#### FIELD STUDIES/APPLIED RESOURCE MANAGEMENT (3-4 UNITS REQUIRED)

**UNITS**

MST R100 Marine Biology 3.0  
*\*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101 or ENGL R101H; MATH R001*

MST R100L Marine Biology Laboratory 1.0  
*\*Prerequisites: MST R100 or BIOL R100 or concurrent enrollment*  
*\*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101; MATH R001 and MATH R002*

MST R122 Aquaculture 4.0

MST R160 Introduction to Research in Natural Resource Management 4.0  
*\*Prerequisites: ESRM R100*  
*\*Advisories: BIOL R100 and BIOL R100L, or BIOL R101/H and BIOL R101L, or CHEM R104, or GEOG R101 and GEOG R101L, or GEOL R101 and GEOL R101L, or GEOL R103 and GEOL R103L, or MST R100 and MST R100L, or MST R103 and MST R103L, or PHYS R101 and PHYS R101L, or PHYS R121*

MST R170 Biological Marine Resource Management 1.0  
*\*Corequisites: MST R178 or GEOL R178*

MST R178 Geological Marine Resource Management 1.0  
*\*Corequisites: MST R170 or BIOL R170*

MST R190 Communicating Ocean Science to Informal Audiences 1.0  
*\*Advisories: One introductory STEM course, so student has been exposed to STEM subjects*

MST R195 Communicating Ocean Science 3.0  
*\*Advisories: One introductory STEM course, so student has been exposed to STEM subjects.*

MST R199 Directed Studies in Marine-Related Topics 1.0 – 3.0  
*\*Prerequisites: BIOL R100 and BIOL R100L, or BIOL R101/H and BIOL R101L, or BIOL R120 and BIOL R120L, or MICR R100 and MICR R100L, or MST R100 and MST R100L, or PHSO R101*



<b>EARTH SCIENCE (4 UNITS REQUIRED)</b>		<b>UNITS</b>
	GEOL R101 Physical Geology	3.0
	GEOL R101L Physical Geology Laboratory <i>*Prerequisites: GEOL R101 or concurrent enrollment</i>	1.0
	<b>OR</b>	
	GEOL R103 Introduction to Oceanography	3.0
	GEOL R103L Introduction to Oceanography Laboratory <i>*Prerequisites: GEOL R103 or MST R103 or concurrent enrollment</i>	1.0
<b>LIFE SCIENCE (4 UNITS REQUIRED)</b>		<b>UNITS</b>
BIOL R122 Principles of Biology II <i>*Prerequisites: BIOL R120 and BIOL R120L; MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process</i> <i>*Advisories: ENGL R101 or ENGL R101H</i>		4.0
BIOL R122L Principles of Biology II Lab <i>*Prerequisites: BIOL R120 and BIOL R120L; BIOL R122 or concurrent enrollment</i>		1.0
<b>MATHEMATICS (4 UNITS REQUIRED)</b>		<b>UNITS</b>
MATH R106 Business Calculus <i>*Prerequisites: MATH R115 or placement as determined by the college's multiple measures assessment process</i>		4.0
MATH R120 Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>		5.0
<b>PHYSICAL SCIENCE (10 UNITS REQUIRED)</b>		<b>UNITS</b>
CHEM R120 General Chemistry I <i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i>		5.0
CHEM R122 General Chemistry II <i>*Prerequisites: CHEM R120</i>		5.0
<b>SOCIAL SCIENCE (3 UNITS REQUIRED)</b>		<b>UNITS</b>
ECON R101 Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>		3.0
ECON R102 Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>		3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>31-32</b>
Additional units/requirements to complete the A.A. Degree:		
Oxnard College General Education Pattern		29
Double-Counted Units		12
Degree-Applicable Electives (needed to reach the 60 units)		11-12
<b>Total Units required for the A.A. Degree</b>		<b>60</b>



## COMMUNICATION STUDIES

### Associate in Arts for Transfer

The AA-T in Communication Studies at Oxnard College offers students curriculum that embraces the many facets of human communication including public speaking, argumentation, interpersonal, intercultural, and group communication. Students will ultimately enhance their communication competency by studying theories and concepts; students will also engage in practical communicative demonstrations. *For more information, contact: Dr. Amy Edwards [aedwards@vcccd.edu](mailto:aedwards@vcccd.edu) (805) 678-5102.*

**REQUIRED CORE COURSES (3 UNITS):** **UNITS**

COMM R101 Introduction to Oral Communication 3.0  
*\*Advisories: ENGL R101/H*

**LIST A - SELECT TWO OF THE FOLLOWING COURSES (6 UNITS):**

COMM R107 Argumentation and Debate 3.0  
 COMM R111 Interpersonal Communication 3.0  
 COMM R110 Small Group Communication 3.0

**LIST B - SELECT TWO OF THE FOLLOWING COURSES (6 UNITS):**

Any course from List A not selected above 3.0  
 COMM R113 Intercultural Communication 3.0  
 COMM R102 Introduction to Communication Studies 3.0  
 COMM R105 Oral Interpretation of Literature 3.0  
 FTVE R100 Introduction to Electronic Media 3.0

**LIST C - SELECT ONE OF THE FOLLOWING COURSES (3-4 UNITS):**

Any course from List B not selected above 3.0  
 ANTH R102/H Introduction to Cultural Anthropology/Honors 3.0  
 ENGL R102 Critical Thinking Through Composition and Literature 4.0

*\*Prerequisites: ENGL R101/H*

**Total Required Major Units** **18-19**

CSU General Education or IGETC Pattern 37-39  
 Double-Counted Units 18  
 Electives (CSU transferable units needed to reach 60) 10-22

**DEGREE TOTAL** **60**



## COMMUNITY MENTAL HEALTH SERVICE

### Proficiency Award

(Awarded by the Department)

*This Proficiency Award provides students with entry-level skills in the field of Mental Health. Students who successfully complete the requirements for this nine-unit Proficiency Award will acquire a basic understanding and appreciation of mental health services, policy, roles in counseling and interviewing, basic case management and case evaluation. This award will also serve the needs of incumbent workers seeking to advance in their existent position within the field of mental health. In addition, the required courses connected to this proficiency award will serve as a career pathway for high school students who possess an early interest in an occupation within the mental health field. For more information, contact: Linda Chaparro, [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu) (805) 678-5096.*

#### REQUIRED COURSES:

		<b>UNITS</b>
PSY R116	Supportive Counseling and Interviewing	3.0
PSY R117	Introduction to Case Management for Mental Health and Human Services <i>* Prerequisites: PSY R116</i>	3.0
PSY R118	Psychiatric Rehabilitation and Mental Health Recovery	3.0
<b>TOTAL UNITS</b>		<hr/> <b>9</b>



# COMPUTER NETWORKING/ INFORMATION TECHNOLOGY

## Associate in Science Degree Certificate of Achievement

The Computer Networking/IT program prepares students for excellent career opportunities that are in demand such as a PC technician, IT support technician, IT help desk, computer network engineer, network administrator, cybersecurity, wireless network administrator, virtualization specialist, cloud-based solution advisor and implementer, and sales. The program offers an Associate in Science Degree or Certificate of Achievement in Computer Networking/IT as well as preparation in for Cisco®, CompTIA®, and Microsoft® certification exams. Our academic partnerships with Cisco, CompTIA, and Microsoft provides students with significant discounts on certification exams. We have also partnered with Google Cloud, Microsoft Azure, and Amazon AWS so that students can be trained on these popular cloud computing platforms. The field of Computer Networking/IT evolves at a fast pace and the program frequently updates course content to keep up with the changes in the industry. The program is a Cisco Networking Academy, CompTIA Authorized Partner Program, and a member of the Microsoft Imagine Academy. Our relationships with these leaders in the industry keeps our curriculum and training current. *For more information, contact: Alex Lynch, [alynch@vcccd.edu](mailto:alynch@vcccd.edu) (805) 678-5061.*

### REQUIRED CORE COURSES:

	<b>UNITS</b>
CNIT R101 IT Essentials	3.0
CNIT R120 Cisco CCNA Computer Networking I	4.0
CNIT R121 Cisco CCNA Computer Networking II <i>*Prerequisites: CNIT R120</i>	4.0
CNIT R130 Administer Microsoft Windows Operating System <i>*Advisory: CNIT R101</i>	3.0
CNIT R142 CompTIA A+ Technician and Certification Prep	4.0
CNIT R145 CompTIA Security+ IT Security & Certification Preparation	3.0
<b>TOTAL CORE UNITS</b>	<b>21</b>

### REQUIRED ADDITIONAL COURSES:

	<b>UNITS</b>
<i>Complete a minimum of 9 units from the following courses:</i>	
CNIT R127 Wireless Networking Fundamentals	3.0
CNIT R131 Administer Microsoft Windows Server <i>*Advisory: CNIT R130</i>	3.0
CNIT R143 CompTIA Linux+ Fundamentals and Certification Preparation	3.0
CNIT R145 CompTIA Security+ IT Security & Certification Preparation	4.0
CNIT R150 Virtualization <i>*Prerequisites: CNIT R120 or CNIT R144</i> <i>*Advisories: CNIT R101</i>	4.0
CNIT R151 Cloud Computing and Services <i>*Prerequisites: CNIT R101</i>	4.0

*Students may take a maximum of 4 units from the following courses:*

COT R190V Occupational Cooperative Unpaid Work Experience <i>*Prerequisites: Completion of or concurrent enrollment in one other course</i>	1-4
<b>OR</b>	
COT R191V Occupational Cooperative Paid Work Experience <i>*Prerequisites: Completion of or concurrent enrollment in one other course</i>	1-4

Electives Units	9-12
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>30-33</b>

Additional units/requirements to complete the A.S. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	0-1
<b>Total Units required for the A.S. Degree</b>	<b>60-62</b>



**CULINARY ARTS**  
**Associate in Science Degree**  
**Certificate of Achievement**

This program prepares students for entry-level positions as a culinarian, baker, or food service manager trainee. In these positions, employees are required to prepare menus, requisition supplies, supervise equipment use, maintain varied records, and coordinate data with accountants and others in the organization. *For more information, contact: Career & Technical Education Division Office, (805) 678-5824.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
CRM R100 Introduction to the Hospitality Industry	3.0
CRM R102A Quantity Food Preparation * <i>Prerequisites:</i> CRM R104 or concurrent enrollment * <i>Limitations:</i> A negative TB test is required.	7.0
CRM R102B Food Preparation Management * <i>Prerequisites:</i> CRM R102A * <i>Limitations:</i> A negative TB test is required. Possession of ServSafe Certification or equivalent is required.	4.0
CRM R102C Catering Techniques * <i>Prerequisites:</i> CRM R102A * <i>Limitations:</i> A negative TB test is required; possession of ServSafe Certification or equivalent is required.	4.0
CRM R103A Baking Techniques * <i>Prerequisites:</i> CRM R102A * <i>Limitations:</i> A negative TB test is required. Possession of ServSafe Certification or equivalent is required.	6.0
CRM R104 Sanitation & Environmental Control	3.0
CRM R105 Gourmet Cooking & Garde Manger * <i>Prerequisites:</i> CRM R102B * <i>Limitations:</i> A negative TB test is required. Possession of ServSafe Certification or equivalent is required.	4.0
CRM R106 Nutrition in Food Service	3.0
CRM R107 Dining Room Service * <i>Prerequisites:</i> CRM R100 and CRM R104 or concurrent * <i>Limitations:</i> A negative TB test is required.	3.5
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>37.5</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	0
<b>Total Units required for the A.S. Degree</b>	<b>66.5</b>



## DENTAL ASSISTING

### Associate in Science Degree Certificate of Achievement

The Dental Assisting Program introduces students to the high demand field of professional dental assisting. Dental assistants are a significant and valuable member of the dental health care team. Students are trained to perform a wide variety of duties including working chairside as patients are examined and treated, sterilizing instruments, and applying anti-cavity agents to teeth. Dental assisting students are also taught to perform laboratory duties such as taking and pouring impressions and making temporary crowns. Additionally, the Dental Assisting Program offers curriculum on executing office duties such as scheduling and confirming patients, filing patient treatment records, billing, and ordering dental supplies. The Dental Assisting Program at Oxnard College includes patient care practice in a fully-equipped, on-site facility. For more information, contact: Dental Assisting Program, (805) 678-5823.

#### REQUIRED COURSES:

#### UNITS

DA R010	Introduction to Dental Assisting <i>*Corequisites:</i> DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	3.0
DA R011	Beginning Radiology for Dental Assisting <i>*Corequisites:</i> DA R010, DA R012, DA R013, DA R014, and DA R015 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	3.0
DA R012	Dental Materials for Dental Assisting <i>*Corequisites:</i> DA R011, DA R011, DA R013, DA R014, and DA R015 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	3.0
DA R013	Occupational Health for Dental Assisting <i>*Corequisites:</i> DA R010, DA R011, DA R012, DA R014, and DA R015 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	1.0
DA R014	Introduction to Chairside Dental Assisting <i>*Corequisites:</i> DA R010, DA R011, DA R012, DA R013, and DA R015 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	2.0
DA R015	Dental Specialties for Dental Assisting <i>*Corequisites:</i> DA R011, DA R011, DA R012, DA R013, and DA R014 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	2.0
DA R020	Advanced Dental Assisting <i>*Prerequisites:</i> DA R010, DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Corequisites:</i> DA R021, DA R022, DA R023, DA R024, and DA R025 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	2.0
DA R021	Practice Management for Dental Assisting <i>*Prerequisites:</i> DA R010, DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Corequisites:</i> DA R020, DA R022, DA R023, DA R024, and DA R025 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	3.0
DA R022	Clinical Dental Assisting Experiences <i>*Prerequisites:</i> DA R010, DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Corequisites:</i> DA R020, DA R021, DA R023, DA R024, and DA R025 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	3.0
DA R023	Ethics and Jurisprudence for Dental Assisting <i>*Prerequisites:</i> DA R010, DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Corequisites:</i> DA R020, DA R021, DA R022, DA R024, and DA R025 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	1.0
DA R024	Dental Assisting Seminar <i>*Prerequisites:</i> DA R010, DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Corequisites:</i> DA R020, DA R021, DA R022, DA R023, and DA R025 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	2.0
DA R025	Dental Assisting Health Education <i>*Prerequisites:</i> DA R010, DA R011, DA R012, DA R013, DA R014, and DA R015 <i>*Corequisites:</i> DA R020, DA R021, DA R022, DA R023, and DA R024 <i>*Advisories:</i> High school diploma or GED, and ENGL R101/H	2.0

#### TOTAL REQUIRED UNITS

**27**

Additional units/requirements to complete the A.S. Degree:

Oxnard College General Education Pattern

29

Double-Counted Units

0

Degree-Applicable Electives (needed to reach the 60 units)

4

#### Total Units required for the A.S. Degree

**60**



## DENTAL HYGIENE

### Associate in Science Degree

The Dental Hygiene Program prepares students for the practice of dental hygiene. A Registered Dental Hygienist (RDH) is a licensed professional who is part of the dental care team, performing such services as oral examination, oral prophylaxis (scaling, root planing, soft tissue curettage and polishing the teeth), exposing and processing dental x-rays, administering local anesthesia and nitrous oxide sedation for pain control, applying preventive substances such as topical fluorides and dental sealants, along with instructing patients in oral disease control and nutrition. This Dental Hygiene, Associate of Science Degree Program offers academic and clinical skills curriculum within an on-campus clinic. The student is prepared for the National Board written examination and the State practical examination for licensure as a Registered Dental Hygienist. **Upon completion of the prerequisites, students must apply for admission to the Dental Hygiene Program. All science prerequisites must have been completed no more than 5 years prior to application to the Dental Hygiene Program and must have been completed with a 3.0 GPA. Contact the program coordinator at 678-5823 for details on the selection process.**

#### PROGRAM RECOMMENDATIONS UNITS

CIS R020A Introduction to Microcomputers\* 3.0  
*\*or equivalent*

#### PROGRAM PREREQUISITE COURSES

ANAT R101 General Human Anatomy 4.0

*\* Prerequisites: MATH R014 and ENGL R097 and BIOL R101 and BIOL R101L*

BIOL R101/H General Biology/Honors\* 3.0

*\* Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101/H; concurrent enrollment in BIOL R101L*

BIOL R101L General Biology Laboratory\* 1.0

*\* Prerequisites: BIOL R101 or concurrent enrollment  
 \*Advisories: MATH R002  
 \*or equivalent*

CHEM R110 Elementary Chemistry 5.0

*\* Prerequisites: MATH R002 or MATH R011 or 1year high school algebra or equivalent*

CHEM R112 Elementary Organic and Biological Chemistry 5.0

*\* Prerequisites: CHEM R110 or CHEM R120*

COMM R101 Introduction to Oral Communication 3.0

*\* Advisories: ENGL R101*

DH R001 Pre-Dental Hygiene 1.0

ENGL R101/H College Composition/Honors 4.0

*\* Prerequisites: ENGL R097 or ENGL R100 or placement as determined by the college's multiple measures assessment process*

MATH R014 Intermediate Algebra 5.0

*\* Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures assessment process*

**OR**

MATH R033 Pathway to STEM 2.0

*\* Prerequisites: MATH R032 or placement as determined by the college's multiple measures assessment process*

MICR R100 Principles of Microbiology 3.0

*\* Prerequisites: MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process; and one of the following CHEM courses: CHEM R104, CHEM R110, CHEM R112 or CHEM R120; and one of the following pairs of courses: ANAT R101 and PHSO R101; or BIOL R120 and BIOL R120L*

*\*Advisories: ENGL R101*

MICR R100L Principles of Microbiology Lab 2.0

*\* Prerequisites: MICR R100 or concurrent enrollment*

PHSO R101 Human Physiology 5.0

*\* Prerequisites: ANAT R101, and CHEM R104 or CHEM R110, and MATH R014, and ENGL R097*

PSY R101 General Psychology 3.0

SOC R101 Introduction to Sociology 3.0



**AND**

**Select one of the following to satisfy the cultural diversity requirement:**

ANTH R102/H Introduction to Cultural Anthropology/Honors	3.0
ANTH R114 African American Culture and Experience	3.0
CHST R101 Introduction to Chicana/o Studies	3.0
ECE R107 Teaching in a Diverse Society	3.0
SJS R110 Introduction to Social Justice Studies	3.0
SOC R103 Race and Ethnic Relations	3.0
SOC R108 Sociology of the Chicano Community	3.0
<b>TOTAL PREREQUISITE UNITS</b>	<b>41</b>

**REQUIRED DENTAL HYGIENE COURSES UNITS**

DH R010	Oral Biology for Dental Hygiene <i>* Prerequisites: See Above</i> <i>* Corequisites: DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Advisories: CIS R020A</i>	3.0
DH R011	Oral Radiology for Dental Hygiene <i>* Prerequisites: See Above</i> <i>* Corequisites: DH R010, DH R012, DH R013, DH R014, and DH R015</i> <i>* Advisories: CIS R020A</i>	3.0
DH R012	Head and Neck Anatomy for Dental Hygiene <i>* Prerequisites: See Above</i> <i>* Corequisites: DH R010, DH R011, DH R013, DH R014, and DH R015</i> <i>* Advisories: CIS R020A</i>	2½
DH R013	Dental Health Education Seminar for Dental Hygiene <i>* Prerequisites: See Above</i> <i>* Corequisites: DH R010, DH R011, DH R012, DH R014, and DH R015</i> <i>* Advisories: CIS R020A</i>	1.0
DH R014	Introduction to Dental Hygiene Practice <i>* Prerequisites: See Above</i> <i>* Corequisites: DH R010, DH R011, DH R012, DH R013, and DH R015</i> <i>* Advisories: CIS R020A</i>	3.0
DH R015	Introduction to PreClinic/Clinic for Dental Hygiene <i>* Prerequisites: See Above</i> <i>* Corequisites: DH R010, DH R011, DH R012, DH R013, and DH R014</i> <i>* Advisories: CIS R020A</i>	2.0
DH R020	Local Anesthesia and Nitrous Oxide for Dental Hygiene <i>* Prerequisites: DH R010, DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Corequisites: DH R021, DH R022, DH R023, DH R024, and DH R025</i>	2.0
DH R021	General and Oral Pathology for Dental Hygiene <i>* Prerequisites: DH R010, DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Corequisites: DH R020, DH R022, DH R023, DH R024, and DH R025</i>	4.0
DH R022	Pharmacology for Dental Hygiene <i>* Prerequisites: DH R010, DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Corequisites: DH R020, DH R021, DH R023, DH R024, and DH R025</i>	2.0
DH R023	Dental Hygiene Clinical Practice I <i>* Prerequisites: DH R010, DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Corequisites: DH R020, DH R021, DH R022, DH R024, and DH R025</i>	3.0
DH R024	Dental Hygiene Clinic Seminar I <i>* Prerequisites: DH R010, DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Corequisites: DH R020, DH R021, DH R022, DH R023, and DH R025</i>	3.0
DH R025	Periodontics for Dental Hygiene I <i>* Prerequisites: DH R010, DH R011, DH R012, DH R013, DH R014, and DH R015</i> <i>* Corequisites: DH R020, DH R021, DH R022, DH R023, and DH R024</i>	2.0



DH R030	Special Patients/Geriatrics for Dental Hygiene <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036	1.0
DH R031	Nutrition in Dentistry for Dental Hygiene <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R030, DH R032, DH R033, DH R034, DH R035, and DH R036	1.0
DH R032	Dental Materials for Dental Hygiene <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R030, DH R031, DH R033, DH R034, DH R035, and DH R036	2.0
DH R033	Dental Hygiene Clinic Seminar II <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R030, DH R031, DH R032, DH R034, DH R035, and DH R036	2.0
DH R034	Dental Hygiene Clinical Practice II <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R035, and DH R036	4.0
DH R035	Periodontics for Dental Hygiene II <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, and DH R036	2.0
DH R036	Community Oral Health for Dental Hygiene I <i>*Prerequisites:</i> DH R020, DH R021, DH R022, DH R023, DH R024, and DH R025 <i>*Corequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, and DH R035	2.0
DH R040	Advanced Clinical Topics in Dental Hygiene <i>*Prerequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036 <i>*Corequisites:</i> DH R041, DH R042, DH R043, DH R044, and DH R045	2.0
DH R041	Practice Management for Dental Hygiene <i>*Prerequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036 <i>*Corequisites:</i> DH R040, DH R042, DH R043, DH R044, and DH R045	1.0
DH R042	Dental Hygiene Clinic Seminar III <i>*Prerequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036 <i>*Corequisites:</i> DH R040, DH R041, DH R043, DH R044, and DH R045	2.0
DH R043	Dental Hygiene Clinical Practice III <i>*Prerequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036 <i>*Corequisites:</i> DH R040, DH R041, DH R042, DH R044, and DH R045	4.0
DH R044	Community Oral Health for Dental Hygiene II <i>*Prerequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036 <i>*Corequisites:</i> DH R040, DH R041, DH R042, DH R043, and DH R045	1.0
DH R045	Ethics and Jurisprudence for Dental Hygiene <i>*Prerequisites:</i> DH R030, DH R031, DH R032, DH R033, DH R034, DH R035, and DH R036 <i>*Corequisites:</i> DH R040, DH R041, DH R042, DH R043, and DH R044	1.0
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>55.5</b>

Additional units/requirements to complete the A.S. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	16
Degree-Applicable Electives (needed to reach the 60 units)	0
<b>Total Units required for the A.S. Degree</b>	<b>68.5</b>

*The program requires full-time enrollment.*



## EARLY CHILDHOOD EDUCATION ASSOCIATE TEACHER

### Proficiency Award

(Awarded by the Department)

Completion of requirements for the Child Development Associate Teacher Proficiency Award will enable students to apply for the Associate Teacher Child Development Permit from the California Department of Education, Early Childhood Education Division. This permit authorizes the holder to provide service in the care, development, and instruction of children in a child care and development program and supervise an Assistant and an aide. For more information, contact: Patricia Mendez, [pmendez@vcccd.edu](mailto:pmendez@vcccd.edu) (805) 678-5054.

#### REQUIRED COURSES:

		UNITS
ECE R100	Introduction to Curriculum for the Young Child	3.0
ECE R102	Child Growth and Development	3.0
ECE R106	Child, Family, and Community	3.0
ECE R111	Observation and Assessment	3.0

\***Prerequisites:** ECE R100 and ECE R102

\***Limitations:** Proof of two measles, mumps, and rubella vaccines, or a blood test for measles immunity; if not immune must receive 1 MMR vaccine. Proof of one Tdap in the last 10 years. Proof of one flu vaccine for the current year. Proof of Tuberculosis clearance within the last year (PPD, Quantiferon, or chest xray)

\***Advisories:** Finger print clearance.

**TOTAL REQUIRED UNITS**

**12**



## EARLY CHILDHOOD EDUCATION

### Associate in Science for Transfer

The Early Childhood Education program offers classes that combine lecture and lab activities. These courses prepare students who are interested in working with young children including those seeking certification to work in a day care facility. Students learn to plan nurturing educational environments and activities that enhance children’s emotional, cognitive and physical development. A four stage matrix guides career preparation in accordance with California State licensing standards. At Oxnard College, students may complete a certificate program that prepares them for employment as an Assistant Teacher in a public day care facility and complete additional courses in child development and general education to qualify as a Teacher. An Associate of Science degree with a major in Early Childhood Education is available that prepares them for other career options. Areas of specialization include Diversity, Infant/ Toddlers and Special Needs. Stipends for study may be available through grants and programs such as the First Five Initiative. *For more information, contact: Patricia Mendez, [pmendez@vcccd.edu](mailto:pmendez@vcccd.edu) (805) 678-5054.*

<b>REQUIRED CORE COURSES:</b>	<b>UNITS</b>
ECE R100 Introduction to Curriculum for the Young Child	3.0
ECE R102 Child Growth and Development	3.0
ECE R103 Programs for Young Children	3.0
ECE R106 Child, Family, and Community	3.0
ECE R107 Teaching in a Diverse Society	3.0
ECE R111 Observation and Assessment	3.0
<i>*Prerequisites: ECE R100 and ECE R102</i> <i>*Limitations: Proof of two measles, mumps, and rubella vaccines, or a blood test for measles immunity; if not immune must receive 1 MMR vaccine. Proof of one Tdap in the last 10 years. Proof of one flu vaccine for the current year. Proof of Tuberculosis clearance within the last year (PPD, Quantiferon, or chest xray)</i> <i>*Advisories: Finger print clearance.</i>	
ECE R112 Practicum in Early Childhood Education	3.0
<i>*Prerequisites: ECE R102, ECE R106, and ECE R111</i> <i>*Limitations: A negative TB test or X-ray is required.</i> <i>*Advisories: Finger print clearance.</i>	
ECE R129 Child Nutrition, Health, and Safety	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>24</b>
CSU General Education or IGETC Pattern	38-41
Double-Counted Units	(9)
Electives (CSU transferable units needed to reach 60)	4-7
<b>DEGREE TOTAL</b>	<b>60</b>



## ECONOMICS

### Associate in Arts Degree

Economics is one of the most useful and relevant areas of study. Economics will teach you analytical reasoning, critical thinking and good communication skills at the micro and macro level, such as you will need to succeed in an increasingly globally competitive environment. The global application of economic decision-making and interests that is currently shaping the rise, fall and survival of nations is also making it imperative for those hoping to succeed in this emerging global environment to develop sound understanding of economic processes and interactions. CSUCI, CSUN, CSULB, CSULA, UCSB and UCLA, and almost every CSU and UC have Economics majors to which you will be able to transfer. With training in Economics you will have a wide range of career and educational options. You will acquire specific job-related skills and also have access to many other areas of further university education besides Economics. As an Economics major you will not only be prepared for a wide variety of career opportunities and well-paying jobs in finance, investment, banking, government, business, international agencies and non-profit corporations, you will also acquire the decision-making skills that you will need to become a successful entrepreneur and your own boss. At the same time, you will continue to have the option to join the general pool of labor such as you could with a General Liberal Studies major, or any other social science or humanities degree. A point to note is that according to the Bureau of Labor Statistics (BLS), Economics majors have some of the lowest unemployment rates, a fact that held true through the harsh job conditions of the Great Recession of 2007-2009. For more information, contact: Ishita Edwards, [iedwards@vcccd.edu](mailto:iedwards@vcccd.edu) (805) 678-5060.

<b>REQUIRED COURSES (9 UNITS):</b>	<b>UNITS</b>
ECON R100 Introduction to Economics and Contemporary Economic Issues <i>* Advisories: ENGL R095 and ENGL R097 or equivalent</i>	3.0
ECON R101 Introduction to the Principles of Macroeconomics <i>* Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>* Advisories: MATH R014 or MATH R014B</i>	3.0
ECON R102 Introduction to the Principles of Microeconomics <i>* Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>* Advisories: MATH R014 or MATH R014B</i>	3.0
<b>TOTAL CORE UNITS</b>	<b>9</b>

<b>ELECTIVE COURSES (9 UNITS MINIMUM):</b>	<b>UNITS</b>
Student must select at least three courses from the following:	
ACCT R101 Financial Accounting <i>* Advisories: BUS R001</i>	3.0
ACCT R102 Managerial Accounting <i>* Prerequisites: ACCT R101/H</i>	3.0
ECON R199 Directed Studies in Economics (Research Project) <i>* Prerequisites: ECON R101 and/or ECON R102</i>	1.0-3.0
HIST R140/H History of the United States II/Honors	3.0
HIST R160/H World History II/Honors	3.0
MATH R105/H Introductory Statistics/Honors <i>* Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0



MATH R106	Business Calculus	4.0
	<i>* Prerequisites: MATH R115 or placement as determined by the college's multiple measures assessment process</i>	
MATH R120	Calculus with Analytical Geometry I	5.0
	<i>* Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>	
PHIL R107	Introduction to Logic	3.0
PHIL R111	Critical Thinking and Analytic Writing	3.0
	<i>* Prerequisites: ENGL R101/H</i>	
POLS R100	Introduction to Politics	3.0
POLS R101	Government of the United States I: Institutions and Politics	3.0
POLS R104	Introduction to International Relations	3.0
POLS R108	Comparative Politics	3.0
PSY R101	General Psychology	3.0
SOC R101	Introduction to Sociology	3.0
	<b>ELECTIVE UNITS</b>	<u>9</u>
	<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>18-22</b>
Additional units/requirements to complete the A.A. Degree:		
	CSU GE-Breadth or IGETC Pattern	37-39
	Double-Counted Units	6-15
	Degree-Applicable Electives (needed to reach the 60 units)	<u>11-14</u>
	<b>Total Units required for the A.A. Degree</b>	<b>60</b>



## ECONOMICS

### Associate in Arts for Transfer

Economics is one of the most useful and relevant areas of study. Economics will teach you analytical reasoning, critical thinking and good communication skills at the micro and macro level, such as you will need to succeed in an increasingly globally competitive environment. The global application of economic decision-making and interests that is currently shaping the rise, fall and survival of nations is also making it imperative for those hoping to succeed in this emerging global environment to develop sound understanding of economic processes and interactions. CSUCI, CSUN, CSULB, CSULA, UCSB and UCLA, and almost every CSU and UC have Economics majors to which you will be able to transfer. With training in Economics you will have a wide range of career and educational options. You will acquire specific job-related skills and also have access to many other areas of further university education besides Economics. As an Economics major you will not only be prepared for a wide variety of career opportunities and well-paying jobs in finance, investment, banking, government, business, international agencies and non-profit corporations, you will also acquire the decision-making skills that you will need to become a successful entrepreneur and your own boss. At the same time, you will continue to have the option to join the general pool of labor such as you could with a General Liberal Studies major, or any other social science or humanities degree. A point to note is that, according to the Bureau of Labor Statistics (BLS), Economics majors have some of the lowest unemployment rates, a fact that held true through the harsh job conditions of the Great Recession of 2007-2009. For more information, contact: *Ishita Edwards*, [iedwards@vcccd.edu](mailto:iedwards@vcccd.edu) (805) 678-5060.

#### REQUIRED CORE COURSES (14-15 UNITS):

	<b>UNITS</b>
ECON R101 Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0
ECON R102 Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0
MATH R105 Introductory Statistics <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
<b>AND</b>	
MATH R106 Business Calculus <i>*Prerequisites: MATH R115 or placement as determined by the college's multiple measures assessment process</i>	4.0
<b>OR</b>	
MATH R120 Calculus with Analytical Geometry I <i>*Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>	5.0

#### LIST A - SELECT ONE OF THE FOLLOWING COURSES (3-5 UNITS):

COMM R107 Argumentation and Debate	3.0
SPAN R101 Elementary Spanish 1	5.0
SPAN R102 Elementary Spanish 2 <i>*Prerequisites: SPAN R101 or two years of high school Spanish with grades of C or better or placement as determined by the college's multiple measures assessment process</i>	5.0
SPAN R140 Spanish for Heritage Speakers 1	5.0



SPAN R141	<i>*Advisories: SPAN R102</i> Spanish for Heritage Speakers 2	5.0
MATH R121	<i>*Prerequisites: SPAN R140</i> Calculus with Analytical Geometry II	5.0
ACCT R101	<i>*Prerequisites: MATH R120</i> Financial Accounting	3.0
ACCT R102	<i>*Advisories: BUS R001</i> Managerial Accounting	3.0
CIS R100	<i>*Prerequisites: ACCT R101/H</i> Introduction to Computer Information Systems	3.0
BUS R140	<i>*Advisory: CIS R020A</i> Business Communications	3.0
	<i>*Prerequisites: ENGL R101</i>	
	<i>*Advisories: Word-processing skills</i>	

**LIST B - SELECT ONE OF THE FOLLOWING COURSES (3-5 UNITS):**

Any course from List A not selected above 3-5

ECON R100	Introduction to Economics and Contemporary Economic Issues	3.0
	<i>*Advisories: ENGL R095 and ENGL R097 or equivalent</i>	
MATH R122	Calculus with Analytic Geometry III	5.0
	<i>*Prerequisites: MATH R121</i>	
MATH R134	Linear Algebra	3.0
	<i>*Prerequisites: MATH R121</i>	

**Total Required Major Units**

**20-25**

CSU General Education or IGETC Pattern

37-39

Double-Counted Units

(9-15)

Electives (CSU transferable units needed to reach 60)

5-18

**DEGREE TOTAL**

**60**



## **ELECTRICAL SYSTEMS FOR HVAC/R**

### **Proficiency Award**

(Awarded by the Department)

*The Electrical Systems for HVAC/R Program is an award to recognize proficiency in electrical systems for HVAC/R, concepts and practices. The program prepares students to become environmental control technology/ HVAC/R technicians to maintain and repair heating, cooling, and refrigeration equipment in residential, commercial, and industrial buildings. Technicians can specialize in either installation or maintenance and repair. For more information, contact: Alan Ainsworth, [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu) (805) 678-5042.*

### **REQUIRED COURSES:**

AC R020	Electrical Systems I
AC R020L	Electrical Systems I Lab
AC R021L	Electrical Systems II Lab

*\*Prerequisites: AC R020L*

### **UNITS**

3.0
2.0
2.0

**TOTAL REQUIRED UNITS**

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**7.0**



## ELEMENTARY TEACHER EDUCATION

### Associate in Arts for Transfer

This program is designed for students who wish to earn a multiple subject teaching credential authorizing them to teach in a self-contained classroom, typically in elementary schools in grades K-5. Students will study a broad range of subjects to prepare them for teaching including English, mathematics, science, social science, visual and performing arts, and human development. The AA-T provides a strong academic foundation in the field and preparation for upper division baccalaureate study. Upon successful completion of the program, students will be prepared to transfer to a California State University (CSU) and major in Liberal Studies. Then, after completion of the bachelor's degree, students will apply to a teacher credentialing program and complete their multiple subject teaching credential. In this AA-T, competencies will be assessed through projects, examinations, laboratory experiments, and presentations. The coursework in the AA-T will satisfy most of the lower-division requirements at many institutions within the California State University system. The Associate in Arts in Elementary Teacher Education for Transfer (Elementary Teacher Education AA-T) is intended for students who plan to complete a bachelor's degree in a "similar" major at a CSU campus. For a current list of what majors (and what options or areas of emphasis within that major) have been designated as "similar" to this degree at each CSU campus, please refer to [adegreewithaguarantee.com](http://adegreewithaguarantee.com) and seek guidance from an Oxnard College counselor. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. See page 65 for more information. **For more information, contact: Liberal Studies Division Office, (805) 678-5804.**

<b>REQUIRED CORE COURSES (45 UNITS):</b>	<b>UNITS</b>
EDU R122 Child Growth and Development	3.0
BIOL R101 General Biology <i>*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101/H; concurrent enrollment in BIOL R101L</i>	3.0
BIOL R101L General Biology Laboratory <i>*Prerequisites: BIOL R101 or concurrent enrollment</i> <i>*Advisories: MATH R002</i>	1.0
PHSC R170 Concepts in Physical Science <i>*Prerequisites: MATH R014 or MATH R032 or placement as determined by the college's multiple measures assessment process.</i>	4.0
GEOL R121 Earth Science with Lab	4.0
MATH R102 Mathematics for Elementary School Teachers <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	4.0
COMM R101 Introduction to Oral Communication	3.0
ENGL R101 College Composition <i>*Prerequisites: ENGL R097 or ENGL R100 or placement as determined by the college's multiple measures assessment process</i>	4.0
ENGL R102 Critical Thinking Through Composition and Literature <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	4.0
GEOG R102 World Regional Geography	3.0
HIST R150/H World History I/Honors	3.0
HIST R130/H History of the United States I/Honors	3.0
POLS R101 Government of the United States I: Institutions and Politics	3.0
 <b>LIST A - SELECT THE FOLLOWING COURSE (3 UNITS):</b>	
PHIL R111 Critical Thinking and Analytic Writing <i>*Prerequisites: ENGL R101</i>	3.0
 <b>LIST B - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):</b>	
ART R101 Art Appreciation	3.0
MUS R103A Music Appreciation I: Listening and Understanding	3.0
THTR R111 Introduction to Theatre	3.0
<b>Total Required Major Units</b>	<b>51</b>
 CSU General Education or IGETC Pattern	 37-39
Double-Counted Units	(28-36)
Electives (CSU transferable units needed to reach 60)	3-6
<b>DEGREE TOTAL</b>	<b>60</b>



## EMERGENCY MEDICAL RESPONDER

### Proficiency Award

(Awarded by the Department)

This proficiency award is designed for students who have completed EMT R079 - Emergency Medical Responder and who desire to apply for the National Registry Exam for Emergency Medical Responder. *For more information, contact: Robert Morris, [rmorris@vcccd.edu](mailto:rmorris@vcccd.edu) (805) 678-5072.*

#### REQUIRED COURSES:

EMT R079 Emergency Medical Responder

#### UNITS

3.0

**TOTAL REQUIRED UNITS**

**3**



## EMERGENCY MEDICAL TECHNICIAN - REFRESHER

### Proficiency Award

(Awarded by the Department)

This proficiency award is to meet the criteria established by the Ventura County Emergency Medical Services Agency in accordance with the California Code of Regulations, title 22 that requires verification of hours completed. Upon award of the verification of hours, students may apply for the National Registry Exam for Emergency Medical Technician. *For more information, contact: Robert Morris, [rmorris@vcccd.edu](mailto:rmorris@vcccd.edu) (805) 678-5072.*

#### REQUIRED COURSES:

EMT R069 Emergency Medical Technician -Refresher

*\*Limitations: EMT Certification within the past two years or valid EMT License; and American Heart Association (AHA) Healthcare Provider or American Red Cross (ARC) Professional Rescuer*

#### UNITS

1.5

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**TOTAL REQUIRED UNITS**

**1.5**



## EMERGENCY MEDICAL TECHNOLOGY

### Proficiency Award

(Awarded by the Department)

This proficiency award is to meet the criteria established by the Ventura County Emergency Medical Services Agency in accordance with the California Code of Regulations, Title 22 that requires verification of hours completed. Upon award of the verification of hours and passing the course with a grade of B or better, students may apply for the National Registry Exam for Emergency Medical Technician. This is not an EMT license. *For more information, contact: Robert Morris, [rmorris@vcccd.edu](mailto:rmorris@vcccd.edu) (805) 678-5072.*

#### REQUIRED COURSES:

EMT R169 Emergency Medical Technician

*\*Advisories: ENGL R085 and R087*

*\*Limitations: American Heart Association (AHA) Healthcare Provider or American Red Cross (ARC) Professional Rescuer*

#### UNITS

8.0

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**TOTAL REQUIRED UNITS**

**8**



## ENERGY AUDITING

### Proficiency Award

(Awarded by the Department)

*The Energy Auditing Program is an award to recognize proficiency in energy auditing concepts and practices. The program prepares students to become environmental control technology/HVACR technicians to maintain and repair heating, cooling, and refrigeration equipment in residential, commercial, and industrial buildings. Technicians can specialize in either installation or maintenance and repair. For more information, contact: Alan Ainsworth, [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu) (805) 678-5042.*

<b><u>REQUIRED COURSES:</u></b>		<b><u>UNITS</u></b>
AC R050	Energy Auditing <i>* <b>Advisories:</b> AC R010 and AC R010L; or students should possess strong understanding of air conditioning/refrigeration system operations</i>	3.0
AC R050L	Energy Auditing Lab <i>* <b>Advisories:</b> AC R010 and AC R010L; or students should possess strong understanding of air conditioning/refrigeration system operations</i>	2.0
<b>TOTAL REQUIRED UNITS</b>		<hr/> <b>5.0</b>



## ENGLISH

### Associate in Arts for Transfer

The English program offers a wide variety of courses in reading, writing, and literature, leading to the degree of Associate in Arts for Transfer. Students can take the full range of literature survey courses required to transfer as an English major at our local public universities: CSUCI, UCSB, CSUN, UCLA. Students who want to study great literature, but who aren't English majors, have the option of parallel non-majors sections of the English and American literature survey courses as well as other literature courses. There are regularly scheduled courses in creative writing. The English program offers multiple sections of transfer-level writing courses to give students the writing skills to succeed in college, to write in the workplace, and to meet university transfer requirements. Classes are offered in traditional classroom formats as well as partially online or fully online formats. A degree in English prepares students for a variety of career opportunities in which the ability to read insightfully, think critically, and write clearly are necessary skills. **UC Limitation on Transfer of English Courses:** *The UC limits credit for some English courses. See the UC Transfer Course Agreement pg. 77 or assist.org for current limitations. For more information, contact: Elissa Caruth, [ecaruth@vcccd.edu](mailto:ecaruth@vcccd.edu) (805) 678-5105.*

<b>REQUIRED CORE COURSES (4 UNITS):</b>	<b>UNITS</b>
ENGL R102 Critical Thinking through Composition and Literature <i>*Prerequisites: ENGL R101/H</i>	4.0
 <b>LIST A - REQUIRED ADDITIONAL COURSES (6 UNITS):</b>	
ENGL R104 English Literature I <i>*Prerequisites: ENGL R101/H</i>	3.0
ENGL R105 English Literature II <i>*Prerequisites: ENGL R101/H</i>	3.0
 <b>LIST B - TWO COURSES (6 UNITS):</b>	
ENGL R107 American Literature I <i>*Prerequisites: ENGL R101/H</i>	3.0
ENGL R108 American Literature II <i>*Prerequisites: ENGL R101/H</i>	3.0
 <b>LIST C - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):</b>	
ENGL R103 Creative Writing <i>*Prerequisites: ENGL R101</i>	3.0
ENGL R111 Shakespeare <i>*Prerequisites: ENGL R101</i>	3.0
ENGL R112 Literature by Women <i>*Prerequisites: ENGL R101/H</i>	3.0
ENGL R124 Introduction to LGBTIQ Literature <i>*Prerequisites: ENGL R101</i>	3.0
<b>Total Required Major Units</b>	<b>19</b>
 CSU General Education or IGETC Pattern	 37-39
Double-Counted Units	(9)
Electives (CSU transferable units needed to reach 60)	11-13
<b>DEGREE TOTAL</b>	<b>60</b>



**ENTREPRENEURSHIP**  
**PROFICIENCY AWARD**  
**(AWARDED BY THE DEPARTMENT)**

Entrepreneurship provides students with the academic background and experiential opportunities needed to view business opportunities from an entrepreneurial perspective. The proficiency award helps students recognize market and business opportunities and learn when to seize them or take action, all while operating within the context of limited resources and creating value for the customer. *For more information, contact: Robert Cabral, [rcabral@vcccd.edu](mailto:rcabral@vcccd.edu) (805) 678-5051.*

<b>REQUIRED CORE COURSES:</b>	<b>UNITS</b>
BUS R100 Introduction to Entrepreneurship	1.0
BUS R105 Accounting for Entrepreneurs	1.5
BUS R134 Marketing for Small Business	2.0
BUS R135 Social Media Marketing	1.5
ACCT R110 QuickBooks 1	1.5
* <i>Advisories:</i> BUS R001	
ACCT R111 QuickBooks 2	1.5
* <i>Advisories:</i> ACCT R110	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>9.0</b>



## ENTRY LEVEL ALIGNMENT SPECIALIST

### Proficiency Award

(Awarded by the Department)

The Entry Level Alignment Specialist Program is a proficiency award that designed to acknowledge the student's readiness to enter the industry field for Automotive and Light Truck Steering, Suspension, and Alignment diagnosis and repair. For more information, contact: Richard Williams, [rwilliams@vcccd.edu](mailto:rwilliams@vcccd.edu) (805) 678-5890.

<b>REQUIRED COURSES:</b>		<b>UNITS</b>
AT R010	Fundamentals of Auto Technology <i>*Advisories: Concurrent enrollment in AT R011</i>	3.0
AT R015	Automotive Electrical Systems <i>*Corequisites: AT R015L</i> <i>*Advisories: AT R010</i>	4.0
AT R015L	Automotive Electrical Systems Lab <i>*Corequisites: AT R015</i> <i>*Advisories: AT R010</i>	2.0
AT R050	Automotive Steering and Suspension <i>*Advisories: AT R011</i>	6.0
<b>TOTAL REQUIRED UNITS</b>		<hr/> <b>15</b>



## ENTRY LEVEL BRAKE AND ELECTRICAL SPECIALIST

### Proficiency Award

(Awarded by the Department)

The Entry Level Alignment Specialist Program is a proficiency award that designed to acknowledge the student's readiness to enter the industry field for Automotive and Light Truck Steering, Suspension, and Alignment diagnosis and repair. For more information, contact: Richard Williams, [rwilliams@vcccd.edu](mailto:rwilliams@vcccd.edu) (805) 678-5890.

#### REQUIRED COURSES:

		UNITS
AT R010	Fundamentals of Auto Technology <i>*Advisories: Concurrent enrollment in AT R011</i>	3.0
AT R015	Automotive Electrical Systems <i>*Corequisites: AT R015L</i> <i>*Advisories: AT R010</i>	4.0
AT R015L	Automotive Electrical Systems Lab <i>*Corequisites: AT R015</i> <i>*Advisories: AT R010</i>	2.0
AT R018	Automotive Brake Systems <i>*Corequisites: AT R018L</i> <i>*Advisories: AT R010</i>	4.0
AT R018L	Automotive Brake Systems Lab <i>*Corequisites: AT R018</i>	2.0

**TOTAL REQUIRED UNITS**

**15**



## ESTIMATING AUTO BODY DAMAGE & ADVANCED REPAIR

**Proficiency Award**  
(Awarded by the Department)

*The Estimating Auto Body Damage & Advanced Repair Program is a proficiency award that prepares students for positions in the auto body and repair industry in the areas of auto damage analysis and estimating and reconstructing auto bodies, fenders, and external features. For more information, contact: Jose Ortega, [jortega@vcccd.edu](mailto:jortega@vcccd.edu) (805) 678-5047.*

### REQUIRED COURSES:

AB R003 Introduction to Estimating Auto Body Damage

*\*Prerequisites: AB R002*

AB R004 Advanced Auto Body Collision and Damage Repair

*\*Prerequisites: AB R003*

### UNITS

4.0

4.0

**TOTAL REQUIRED UNITS**

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**8.0**



## FILM, TELEVISION, AND ELECTRONIC MEDIA

### Associate in Science Degree

The Film, Television, and Electronic Media program offers comprehensive hands-on training in video and television studio production. Students may earn a two-year Associate in Science for Transfer Degree, an Associate in Science Degree, or a Certificate of Achievement. Located in modern facilities, the courses have professional audio and camera equipment packages for student use, as well as a three-camera television studio, and a MAC computer lab. Private editing suites are also available for audio and video post-production editing. The courses include experiences in directing, sound, writing, digital production, digital editing, and digital audio post-production. In the first semester students often take a basic studio production course, an audio course, and a history of film course. In the following semesters, students can take studio production, motion picture production, and screenwriting. All students are required to produce various digital video short films throughout their study. *For more information, contact: Liberal Studies Division Office, (805) 678-5804.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
FTVE R106 Beginning Digital Editing	3.0
FTVE R110/ Introduction to Media Writing	3.0
ENGL R130	
<i>* Advisories: ENGL R097</i>	
FTVE R120 Beginning Audio Production	3.0
FTVE R130 Beginning Single Camera Production	3.0
FTVE R135 Beginning TV Studio Production	3.0
FTVE R160/ Introduction to Digital Photography	3.0
ART R160	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>18</b>

Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	3
Degree-Applicable Electives (needed to reach the 60 units)	16
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## FILM, TELEVISION, AND ELECTRONIC MEDIA

### Associate in Science for Transfer

The Film, Television, and Electronic Media program offers comprehensive hands-on training in video and television studio production. Students may earn a two-year Associate in Science for Transfer Degree, an Associate in Science Degree, or a Certificate of Achievement. Located in modern facilities, the courses have professional audio and camera equipment packages for student use, as well as a three-camera television studio, and a MAC computer lab. Private editing suites are also available for audio and video post-production editing. The courses include experiences in directing, sound, writing, digital production, digital editing, and digital audio post-production. In the first semester students often take a basic studio production course, an audio course, and a history of film course. In the following semesters, students can take studio production, motion picture production, and screenwriting. All students are required to produce various digital video short films throughout their study. *For more information, contact: Liberal Studies Division Office, (805) 678-5804.*

#### REQUIRED CORE COURSES (6 UNITS):

FTVE R100	Introduction to Electronic Media	3.0
FTVE R110	Introduction to Media Writing	3.0

*\*Advisories: ENGL R096*

#### LIST A - SELECT ONE AUDIO AND ONE VIDEO PRODUCTION COURSE (6 UNITS):

FTVE R120	Beginning Audio Production	3.0
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#### **AND (Your choice of one of the following three courses)**

FTVE R130	Beginning Single Camera Production	3.0
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**OR**

FTVE R135	Beginning TV Studio Production	3.0
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**OR**

#### LIST B - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

	Any course from List A not already selected above	3.0
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FTVE R150	Beginning Motion Picture Production	3.0
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**OR**

FTVE R107	History of Film	3.0
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#### LIST C - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

	Any course from List A or List B not already selected above	3.0
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**OR**

FTVE R106	Beginning Digital Editing	3.0
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FTVE R108A	Acting for TV and Film I	3.0
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FTVE R155	Advanced Studio Production	3.0
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*\*Advisories: FTVE R135*

FTVE R160	Introduction to Digital Photography	3.0
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FTVE R175	Introduction to Digital Art	3.0
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**Total Required Major Units** 18

CSU General Education or IGETC Pattern	37-39
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Double-Counted Units	(0-6)
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Electives (CSU transferable units needed to reach 60)	5-9
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**DEGREE TOTAL** 60





## FIRE TECHNOLOGY

### Associate in Science Degree Certificate of Achievement

The Oxnard College Fire Technology Program educates career, volunteer, and industrial fire protection and emergency services students throughout our communities to deal effectively with the social, economic, and technical aspects of fire and emergency response. The Program will enhance their professionalism and capabilities to protect California from the devastation of fire, environmental, natural, and man-made emergencies by providing state of the art education, training, resources, certification and leadership. Students will be prepared to enter the field of fire technology as a firefighter. Firefighters are required to carry out emergency duties such as fire suppression, rescue, medical services, hazardous materials mitigation, and other duties as assigned. Non-emergency duties include fire prevention, public education, training, station and equipment maintenance, and other related tasks. The Fire Technology Department will provide students with foundational course requirements for certificate programs, two-year degrees and transfers to four-year schools. The Department also maintains a Fire Academy Program, allowing students to earn eligibility for a California State Fire Marshal Firefighter I Certificate, a condition of employment for many fire agencies. *For more information, contact: Gail Warner, [gwarner@vcccd.edu](mailto:gwarner@vcccd.edu) 805-678-5026.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
FT R151 Fire Protection Organizations	3.0
FT R152 Fire Prevention Technology	3.0
<i>*Prerequisites: FT R151 or concurrent enrollment</i>	
FT R154 Fire Behavior and Principles of Combustion	3.0
<i>*Prerequisites: FT R151 or concurrent enrollment</i>	
FT R155 Fire Protection Equipment and Systems	3.0
<i>*Prerequisites: FT R151 or concurrent enrollment</i>	
FT R158 Principles of Fire and Emergency Services: Safety and Survival	3.0
<i>*Prerequisites: FT R151 or concurrent enrollment</i>	
FT R160 Fire Tactics and Strategies	3.0
<i>*Prerequisites: FT R151</i>	
FT R161 Building Construction for Fire Protection	3.0
<i>*Prerequisites: FT R151 or concurrent enrollment</i>	
FT R167 Fire Apparatus and Equipment	3.0
<i>*Prerequisites: FT R151 or concurrent enrollment</i>	
EMT R169 Emergency Medical Technician	8.0
<i>*Advisories: ENGL R101</i>	
<i>*Limitations: American Heart Association (AHA) Healthcare Provider or American Red Cross (ARC) Professional Rescuer</i>	
<b>Complete a minimum of one course from the following:</b>	
FT R157 Wildland Fire Control	3.0
<i>*Prerequisites: FT R151</i>	
FT R170 Firefighter I Academy	18
<i>*Prerequisites: EMT R169 and FT R151</i>	
<i>*Advisories: FT R154, FT R161, and FT R167</i>	
<i>*Limitations: Admission to the fire academy, medical clearance, and lung function (spirometry) test.</i>	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>35-50</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	3
Degree-Applicable Electives (needed to reach the 60 units)	0
<b>Total Units required for the A.S. Degree</b>	<b>61-76</b>



## FIREFIGHTER I ACADEMY

### Certificate of Achievement

This program includes the Oxnard College Regional Fire Academy (OCRFA) – FT R170, and its two prerequisite courses, EMT R169 – Emergency Medical Technician and FT R151 – Fire Protection Organizations. The OCRFA provides the skills and knowledge needed for the entry level firefighter, career or volunteer, to perform duties safely, effectively, and competently. The seven overarching themes of the California State Fire Fighter I curriculum are: general knowledge germane to the profession, fire department communications, fireground operations, rescue operations, preparedness and maintenance, wildland suppression activities, and hazardous materials/WMD. All exams require an 80% passing grade for all academic and manipulative tests per State Fire Marshal requirements. Students are expected to obtain all required uniforms and safety equipment. State certification costs are the responsibility of the student. Field trips are required. Admission to the OCRFA is open to all eligible students and very competitive. A point rating system is used during the cadet selection process. Explanations regarding this process can be accessed from the “Apply to the Academy” link found on the Oxnard College Fire Academy home page. Prerequisites to apply consist of a valid NREMT or California EMT Certification, successful completion of FT R151 – Introduction to Fire Protection Organizations, a Medical Clearance, and a Lung Function (Spirometry) Test. Academy applications are comprehensive and will only be accepted if complete. *For more information, contact: Gail Warner, [gwarner@vcccd.edu](mailto:gwarner@vcccd.edu) 805-678-5026.*

#### REQUIRED COURSES:

EMT R169 Emergency Medical Technician

**UNITS**

8.0

*\*Advisories: ENGL R085 and ENGL R087*

*\*Limitations: American Heart Association (AHA) Healthcare Provider or American Red Cross (ARC) Professional Rescuer*

FT R151 Fire Protection Organizations

3.0

FT R170 Firefighter I Academy

18.0

*\*Prerequisites: EMT R169 and FT R151*

*\*Advisories: FT R154, FT R161, and FT R167*

*\*Limitations: Admission to the fire academy, medical clearance, and lung function (spirometry) test.*

**TOTAL REQUIRED UNITS**

**29**



## GEOGRAPHY

### Associate in Arts for Transfer

Geography is an integrative discipline that brings together the physical and human dimensions of the world in the study of people, places and environment. As a spatial study, its subject matter is Earth's surface and the processes that shape it, the relationships between people and environments, and the connections between people and places. That knowledge, in turn, provides a basis for humans to cooperate in the best interests of our planet. Geography provides students with skills for the workplace and skills for civic decision-making. Events around the world affect jobs and business at home. By learning geography, thoroughly, students come to understand the connections and relationships among themselves and people, places, and environments across the world. Geography is concerned with understanding the spatial dimension of human experience (space and place). *For more information, contact: Jim Danza, [jdanza@vcccd.edu](mailto:jdanza@vcccd.edu) 805-678-5209.*

<b>REQUIRED CORE COURSES (7 UNITS):</b>	<b>UNITS</b>
GEOG R101 Elements of Physical Geography	3.0
GEOG R101L Physical Geography Lab	1.0
<i>*Prerequisites: GEOG R101 or concurrent enrollment</i>	
GEOG R105 Introduction to Human Geography	3.0
 <b>LIST A - SELECT 6 UNITS FROM THE FOLLOWING:</b>	
GEOG R102 World Regional Geography	3.0
GEOG R103 Introduction to Weather and Climate	3.0
GEOG R104 Geography of California	3.0
 <b>LIST B - SELECT 6 UNITS FROM THE FOLLOWING:</b>	
ANTH R102/H Introduction to Cultural Anthropology/Honors	3.0
BIOL R101 General Biology	3.0
<i>*Advisories: ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101/H; concurrent enrollment in BIOL R101L</i>	
GEOL R101 Physical Geology	3.0
Any course not selected above from List A	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>19</b>
 CSU General Education or IGETC Pattern	 37-39
Double-Counted Units	(10-16)
Electives (CSU transferable units needed to reach 60)	12-20
<b>DEGREE TOTAL</b>	<b>60</b>



## GEOLOGY

### Associate in Arts for Transfer

Geology is an exciting and challenging major for students with broad scientific interests and a love for natural systems, our environment, and our planet's history. Geology is a multi-disciplinary science that applies chemistry, biology, physics, oceanography, mathematics, and engineering to the natural world around us. The rich variety of its fields of study includes oceanography, paleontology, geophysics, hydrogeology, geochemistry, engineering geology, environmental geology and more. Geology majors apply their skills and knowledge to solve complex problems related to human interaction with natural systems, hazards and resources, and to communicate these solutions and options to the public. *For more information, contact: Thomas O'Neil, [toneil@vcccd.edu](mailto:toneil@vcccd.edu) 805-678-5076.*

<b>REQUIRED CORE COURSES (7 UNITS):</b>	<b>UNITS</b>
<div style="display: flex; align-items: center;"> <div style="font-size: 2em; margin-right: 10px;">↪</div> <div> <p>GEOL R101    Physical Geology <span style="float: right;">3.0</span></p> <p><b>AND</b></p> <p>GEOL R101L    Physical Geology Lab <span style="float: right;">1.0</span></p> <p><i>*Prerequisites: GEOL R101 or concurrent enrollment</i></p> <p>GEOL R114    Historical Geology <span style="float: right;">3.0</span></p> <p><i>*Advisories: GEOL R101</i></p> <p><b>AND</b></p> <p>GEOL R114L    Historical Geology Lab <span style="float: right;">1.0</span></p> <p><i>*Prerequisites: GEOL R114 or concurrent enrollment</i></p> <p>CHEM R120    General Chemistry I <span style="float: right;">5.0</span></p> <p><i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i></p> <p>CHEM R122    General Chemistry II <span style="float: right;">5.0</span></p> <p><i>*Prerequisites: CHEM R120</i></p> <p>MATH R120    Calculus with Analytic Geometry <span style="float: right;">5.0</span></p> <p><i>*Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i></p> <p>MATH R121    Calculus with Analytic Geometry II <span style="float: right;">5.0</span></p> <p><i>*Prerequisites: MATH R120</i></p> </div> </div>	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>28</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	7
Electives (CSU transferable units needed to reach 60)	-1
<b>DEGREE TOTAL</b>	<b>60</b>



## GLOBAL STUDIES

### Associate in Arts for Transfer

The Global Village has arrived! Global Studies is an exciting and dynamic interdisciplinary program that allows students to identify and understand the global and transnational forces that affect the everyday lives of people across the world. The Global Studies program combines courses from the Arts and Sciences, Anthropology, Economics, Geography, History, Philosophy, Political Science and Sociology to examine contemporary issues in an increasingly globalized world. Through the development of critical thinking skills and the analysis of local and global processes, students are given the tools to both understand the global village and to shape it as they become the next generation of leaders in business, government, non-governmental and international organizations. Areas of inquiry include the tension between local and global cultures, conflict and security, philosophy, technology and new media, political and nongovernmental movements, economics, development and the environment. *For more information, contact: Gloria Guevara, [gguevara@vcccd.edu](mailto:gguevara@vcccd.edu) 805-678-5095 or Arion Melidonis, [amelidonis@vcccd.edu](mailto:amelidonis@vcccd.edu) 805-678-5044.*

#### REQUIRED CORE COURSES (6 UNITS):

		UNITS
GLST R101	Introduction to Global Studies	3.0
GLST R102	Global Issues and Problems	3.0

#### LIST A. CULTURE AND SOCIETY AREA - SELECT ONE COURSE FROM THE FOLLOWING (3 UNITS):

ANTH R102/H	Introduction to Cultural Anthropology/Honors	3.0
HIST R160/H	World History II/Honors	3.0

#### LIST B. GEOGRAPHY AREA - SELECT ONE COURSE FROM THE FOLLOWING (3 UNITS):

GEOG R101	Elements of Physical Geography	3.0
GEOG R102	World Regional Geography	3.0
GEOG R105	Introduction to Human Geography	3.0

#### LIST C. ECONOMICS AREA - SELECT ONE COURSE FROM THE FOLLOWING (3 UNITS):

ECON R101	Introduction to the Principles of Macroeconomics	3.0
	<i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i>	
	<i>*Advisories: MATH R014 or MATH R014B</i>	
ECON R102	Introduction to the Principles of Microeconomics	3.0
	<i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i>	
	<i>*Advisories: MATH R014 or MATH R014B</i>	

#### LIST D. POLITICS AREA - SELECT ONE COURSE FROM THE FOLLOWING (3 UNITS):

POLS R104	Introduction to International Relations	3.0
POLS R108	Comparative Politics	3.0

#### LIST E - SELECT ONE COURSE FROM THE FOLLOWING (3 UNITS):

HIST R150/H	World History I/Honors	3.0
PHIL R103	Survey of World Religions: East	3.0
PHIL R104	Survey of World Religions: West	3.0
PHIL R115/H	Comparative World Religions/Honors	3.0

#### TOTAL REQUIRED MAJOR UNITS

		<b>21</b>
CSU General Education or IGETC Pattern		37-39
Double-Counted Units		(9-15)
Electives (CSU transferable units needed to reach 60)		9-17
	<b>DEGREE TOTAL</b>	<b>60</b>



## HEATING AND HYDRONICS

### Proficiency Award

(Awarded by the Department)

*The Heating and Hydronics Program is an award to recognize proficiency in heating and hydronic systems concepts and practices. The program prepares students to become environmental control technology/HVAC/R technicians to maintain and repair heating, cooling, and refrigeration equipment in residential, commercial, and industrial buildings. Technicians can specialize in either installation or maintenance and repair. For more information, contact: Alan Ainsworth, [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu) (805) 678-5042.*

#### **REQUIRED COURSES:**

AC R040 Heating Control Systems  
AC R040L Heating Control Systems Lab

**TOTAL REQUIRED UNITS**

#### **UNITS**

3.0

2.0

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**5.0**



## HISTORY

### Associate in Arts for Transfer

History is one of the most popular, useful, and flexible subjects to study and major in. The popularity of History comes from the fact that human beings love stories about dynamic people and exciting events from the past. By studying the brilliance and blunders of past generations, students gain useful knowledge about how the world works and the critical thinking skills universities and employers value. History is also a very flexible major; the AA-T in History is a pathway to a state university for students interested in majoring in History and those unsure of what they want to major in (e.g. law, business, government, etc.). It is also a fun "second major" for students interested in becoming more well-rounded, knowledgeable, and wise. *For more information, contact: Kevin Hughes, [khughes@vcccd.edu](mailto:khughes@vcccd.edu), 805-678-5079 or Joshua Lieser, [jlieser@vcccd.edu](mailto:jlieser@vcccd.edu), 805-678-5078 or Jennifer Wilson-Gonzalez [jwilsongonzalez@vcccd.edu](mailto:jwilsongonzalez@vcccd.edu) (805) 678-5269.*

#### REQUIRED CORE COURSES (6 UNITS):

	<b>UNITS</b>
HIST R130/H History of the United States I/Honors	3.0
HIST R140/H History of the United States II/Honors	3.0

#### List A - Required Additional Courses (6 units):

HIST R150/H World History I/Honors	3.0
HIST R160/H World History II/Honors	3.0

#### List B1 - Select one of the following courses (3 units):

HIST R109 History of Mexico	3.0
HIST R110 History of the Middle East	3.0
HIST R117 History of American Women	3.0
HIST R122 History of Asia	3.0
HIST R126 History of Latin America	3.0

#### List B2 - Select one of the following courses (3 units):

HIST R104 History of California	3.0
HIST R107 History of Mexicans in the United States	3.0
HIST R108 African-American History	3.0
HIST R117 History of American Women	3.0
HIST R124 Sports in American	3.0
HIST R125/H U.S. Foreign Policy & Covert Action/H	3.0

#### **TOTAL REQUIRED MAJOR UNITS**

**18**

CSU General Education or IGETC Pattern	37-39
Double-Counted Units	(9-15)
Electives (CSU transferable units needed to reach 60)	12-20

#### **DEGREE TOTAL**

**60**



## HOSPITALITY MANAGEMENT

**Associate in Science Degree  
Certificate of Achievement**

The Hospitality Management program at Oxnard College prepare students for management positions in the lodging field. The Hospitality Management program recognizes the critical importance of an interdisciplinary education with a global perspective for tomorrow's leaders and managers. The curriculum provides students a thorough understanding of management principles and the operation of various departments on the hotel property. Students completing this degree program will be prepared for career opportunities leading up to supervisory and middle-level management positions in hotel management, housekeeping management, human resource management, guest services, and food and beverage management. *For more information, contact: Career & Technical Education Division Office, (805) 678-5824.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
HM R100 Introduction to the Hospitality Industry	3.0
HM R112 Food and Beverage Management	3.0
HM R116 Accounting for the Hospitality Industry	3.0
HM R117 Front Office Procedures	3.0
HM R119 Housekeeping Management	3.0
<i>*Advisories: CRM R114</i>	
HM R120 Facilities Management	3.0
HM R122 Hospitality Human Resources Management	3.0
COT R191V Occupational Cooperative Paid Work Experience	1-4
<i>*Prerequisites: Completion of or concurrent enrollment in one other course</i>	
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>22-25</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	6-9
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



## HUMAN SERVICES

### Associate in Science Degree Certificate of Achievement

The Human Services program provides the student with an academic background for entry-level positions in various human services agencies such as providers of health care, vocational training, welfare services, probation supervision, and pre-professional counseling. It also prepares the student for upper-division programs in human services, behavioral sciences, social sciences and education. *For more information, contact: Juan Pitones, [jpitones@vcccd.edu](mailto:jpitones@vcccd.edu) (805) 678-5240.*

#### REQUIRED COURSES:

#### UNITS

SOC R101/H	Introduction to Sociology/Honors	3.0
SOC R102	Social Problems	3.0
SOC R103	Race and Ethnic Relations	3.0
SOC R104/ PSY R107	Sex Roles	3.0
SOC R110	Analyzing Social Welfare Services	3.0
SOC R118	Introduction to Human Services and Social Welfare	3.0
<b>TOTAL REQUIRED UNITS</b>		<b>18</b>



#### Recommended Optional Courses:

Students are encouraged to take at least one of the following courses:

SOC R105	Aging in the United States	3.0
SOC R106	Contemporary Family in American Society	3.0
SOC R108	Sociology of the Chicano Community	3.0
SOC R116	Crime and Society	3.0
ANTH R105	Sex, Gender and Culture	3.0
ECE R106	Child, Family and Community	3.0
POLS R102	Government of the United States: Institutions and Laws	3.0

Additional units/requirements to complete the A.S. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	3
Degree-Applicable Electives (needed to reach the 60 units)	16
<b>Total Units required for the A.S. Degree</b>	<b>60</b>



# KINESIOLOGY

## Associate in Arts for Transfer

Students who wish to earn an A.A. or A.S. degree must successfully complete a minimum of one Health Education course and one Physical Education course. **UC Limitation on Transfer of HED and PE Courses:** The UC limits the amount of credit students may transfer in HED and PE courses. For current limitations, see the UC Transfer Course Agreement for Oxnard College on pg. 77 or [assist.org](http://assist.org). The AA-T in Kinesiology is intended for students who plan to complete a bachelor's degree in Kinesiology, or a similar major at a CSU campus including emphases in Physical Education, Exercise Science, Human Movement, Coaching, Health and Wellness, Rehabilitation and Therapeutic Exercise, among others. For more information, contact: Jonas Crawford, [jcrawford1@vcccd.edu](mailto:jcrawford1@vcccd.edu) 805-678-5870.

### REQUIRED CORE COURSES (15-18 UNITS):

		UNITS
HED R110	Introduction to Kinesiology	3.0
ANAT R101	General Human Anatomy <i>*Prerequisites: MATH R014 or MATH R033 and ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L</i>	4.0
PHSO R101	Human Physiology <i>*Prerequisites: ANAT R101, and CHEM R104 or CHEM R110, and MATH R014 or MATH R033, and ENGL R097</i>	5.0

### MOVEMENT BASED COURSES: SELECT A MAXIMUM OF ONE (1) COURSE FROM THREE (3) OF THE FOLLOWING AREAS FOR A MINIMUM OF THREE UNITS:

- Combatives: PE R130, PE R131A, PE R131B, PE R133A, PE R133B, PE R134A  
Team Sports: PE R155A, PE R155B, PE R156A, PE R156B, PE R159A, PE R159B, PE R160, PE R161  
Individual Sports: PE R130, PE R134A  
Fitness: PE R103A, PE R104A, PE R106, PE R107, PE R108, PE R143, PE R146, PE R148A, PE R150A  
Dance: DANC R102A, DANC R104A, DANC R110A

### LIST A - SELECT TWO OF THE FOLLOWING COURSES (6 UNITS MINIMUM):

MATH R105	Introductory Statistics <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
<b>OR</b>		
SOC R125	Statistics for the Behavioral and Social Sciences <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032</i>	3.0
PSY R103	Beginning Statistics for the Behavioral and Social Sciences <i>*Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	3.0
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i>	5.0
PHYS R101	College Physics I <i>*Prerequisites: MATH R116</i>	4.0
<b>AND</b>		
PHYS R101L	College Physics I Lab <i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	1.0
<b>OR</b>		
PHYS R131	Physics for Scientists and Engineers 1 <i>*Prerequisites: MATH R120</i>	5.0
HED R105	CPR, AED, First Aid, and Personal Safety	3.0

### TOTAL REQUIRED MAJOR UNITS

**21-28**

CSU General Education or IGETC Pattern  
 Double-Counted Units  
 Electives (CSU transferable units needed to reach 60)

38-41  
 (4-13)  
 1-8

### DEGREE TOTAL

**60**



## LEAD COOK

### Proficiency Award

(Awarded by the Department)

The Lead Cook Program is an award that prepares students for lead cook positions in a restaurant or other hospitality property. Passage of the ServSafe Certification exam as well as the National Restaurant Association certification exam is required to earn this award.

#### REQUIRED COURSES:

CRM R102A Quantity Food Preparation

*\*Prerequisites: CRM R104 or concurrent enrollment*

*\*Limitations: A negative TB test is required.*

CRM R104 Sanitation & Environmental Control

#### UNITS

7.0

3.0

#### REQUIRED CERTIFICATIONS:

ServSafe Certification

National Restaurant Association Certification

**TOTAL REQUIRED UNITS**

**10**



## LEARNING SKILLS

The courses below have been designed to meet the special instructional needs of students with various learning styles and to prepare the students for certificate and degree programs in line with the mission of the College. Students are encouraged to seek guidance and support services through the Educational Assistance Center. *For more information, contact: Della Newlow (805) 678-5104 [dnewlow@vcccd.edu](mailto:dnewlow@vcccd.edu)*

### **LS R003 Study Skills for Learning Disabled Students**

**1 Unit**

This course is designed to develop strategies for studying for college level courses. It will include instruction on: scheduling, outlining, decision making skills, goal setting and planning, and self-assessments. *Not applicable for degree credit. Field trips may be required. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R006 Improving Memory Strategies**

**3 Units**

This course provides instruction in specific memory strategies to improve learning, remembering, and studying. This course is intended for students with learning disabilities or other memory difficulties. *Not applicable for degree credit. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R016A Fundamentals of Mathematics I**

**3 Units**

This course is designed to assist students who have difficulty understanding and applying mathematical concepts. The course will cover basic operations with whole numbers, order of operations, fractions, and word problems. This course will also include test taking, mnemonic and memory strategies for learning and recalling mathematical operations. *Not applicable for degree credit. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R016B Fundamentals of Mathematics II**

**3 Units**

*\*Advisories: LS R016A*

This course is designed for students who have difficulty understanding and applying mathematical concepts. The course will cover ratio, proportion, percent, introduction to algebra, and introduction to geometry. *Not applicable for degree credit. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R017A Basic Reading Skills for Learning Disabled I**

**3 Units**

This course is intended for students with learning disabilities or other reading difficulties. This course provides preparation and foundation oral and written language comprehension, reading fluency, dictionary skills, and textbook reading strategies. It is intended to help prepare students for LS R017B Basic Reading Skills for Learning Disabled II. *Not applicable for degree credit. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R017B Basic Reading Skills for Learning Disabled II**

**3 Units**

*\*Advisories: LS R017A*

This course is intended for students with learning disabilities or other reading difficulties. This course provides preparation and foundation oral and written language comprehension, reading fluency, dictionary skills, and textbook reading strategies. It is intended to help prepare students for college level courses. *Not applicable for degree credit. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R018A Improving Written Language Skills I**

**3 Unit**

This course is intended for students with learning disabilities or other written language difficulties. It provides instruction in basic sentence writing skills including subject/verb identification, writing and recognizing simple, compound, complex, and compound-complex sentences, and the punctuation appropriate to each. *Not applicable for degree credit. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R018B Improving Written Language Skills II**

**3 Units**

*\*Advisories: LS R018A or demonstrated ability to write four types of sentences including: simple, compound, complex, and compound-complex sentences*

This course is intended for students with learning disabilities or other written language difficulties. This course provides preparation and foundation in basic grammar, proofreading strategies, and paragraph development, including the use of topic sentence, supporting details, and closing sentences. It is intended to prepare students for Basic English Skills courses. *Not applicable for degree credit. Field trips may be required. Course is offered Pass/No Pass (P/NP) at student's option.*

### **LS R021 Preparing for Speech and Group Work in the College Setting**

**3 Units**

This class is an introductory speech course for students who may have utilized or needed speech and language services in K-12. This course encourages the development of communication skills necessary for adjustment and success in non-Learning Skills courses and on the job. The course provides a safe environment to increase confidence in the spoken language, including communication in the classroom, group, and public speaking activities. In addition to learning techniques for successful behavior in these settings, students will engage in activities to strengthen these skills. *Not applicable for degree credit. Field trips may be required. Course is offered Pass/No Pass (P/NP) at student's option.*



**MARKETING FOR ENTREPRENEURS**  
**PROFICIENCY AWARD**  
**(AWARDED BY THE DEPARTMENT)**

The Marketing for Entrepreneurs proficiency award is designed to provide students with the academic background and tools they will need to succeed in entrepreneurial settings, small businesses or their own venture. The objective of this proficiency is to educate students to function effectively in business environments where they will have to make autonomous decisions and be required to take action on their own initiative. *For more information, contact: Robert Cabral, [rcabral@vcccd.edu](mailto:rcabral@vcccd.edu) (805) 678-5051.*

<b>REQUIRED CORE COURSES:</b>		<b>UNITS</b>
BUS R100	Introduction to Entrepreneurship	1.0
BUS R134	Marketing for Small Business	2.0
BUS R135	Social Media Marketing	<u>1.5</u>
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>4.5</b>





## MECHANICAL SYSTEMS FOR HVAC/R

### Proficiency Award

(Awarded by the Department)

*The Mechanical Systems for HVAC/R Program is an award to recognize proficiency in HVAC/R mechanical systems concepts and practices. The program prepares students to become environmental control technology/ HVAC/R technicians to maintain and repair heating, cooling, and refrigeration equipment in residential, commercial, and industrial buildings. Technicians can specialize in either installation or maintenance and repair. For more information, contact: Alan Ainsworth, [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu) (805) 678-5042.*

### **REQUIRED COURSES:**

AC R010	Introduction to Air Conditioning & Refrigeration
AC R010L	Introduction to Air Conditioning & Refrigeration I Lab
AC R011L	Air Conditioning and Refrigeration II Lab

\*Prerequisites: AC R010L

### **UNITS**

3.0

2.0

2.0

**TOTAL REQUIRED UNITS**

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**7.0**



## NUTRITION & DIETETICS

### Associate in Science for Transfer

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) involves the understanding of nutrient metabolism and the relationship to optimal health including prevention of degenerative diseases. The course of study provides an integrated curriculum of nutrition coursework along with a solid background in the human body, chemical function and metabolism of nutrients, and the sociological implications of food and behavior. Throughout the degree students will acquire and develop knowledge and skills that will provide a solid background in nutrition so that students can make informed decisions on their personal health.

<b>REQUIRED CORE PHYSICS COURSES (15 UNITS):</b>		<b>UNITS</b>
HED R114	Introduction to Nutrition Science	3.0
PSY R101/H	General Psychology/Honors	3.0
CHEM R120	General Chemistry I	5.0
	<i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i>	
MICR R100	Principles of Microbiology	3.0
	<i>*Prerequisites: MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process; and one of the following CHEM courses: CHEM R104, CHEM R110, CHEM R112 or CHEM R120; and one of the following pairs of courses: ANAT R101 and PHSO R101; or BIOL R120 and BIOL R120L</i>	
	<i>*Advisories: ENGL R101 or ENGL R101H</i>	
MICR R100L	Principles of Microbiology Laboratory	1.0
	<i>*Prerequisites: MICR R100 or concurrent enrollment</i>	

**List A:** Select two courses (7-10 units).  
*No more than one statistics course may be selected.*

CHEM R122	General Chemistry II	5.0
	<i>*Prerequisites: CHEM R120</i>	
CHEM R130	Organic Chemistry I	5.0
	<i>*Prerequisites: CHEM R122</i>	
ANAT R101	Human Anatomy	4.0
	<i>*Prerequisites: MATH R014 or MATH R033 and ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L</i>	
PHSO R101	Human Physiology	5.0
	<i>*Prerequisites: ANAT R101, and CHEM R104 or CHEM R110, and MATH R014 or MATH R033, and ENGL R097</i>	
MATH R105/H	Introductory Statistics/Honors	4.0
	<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	
<b>OR</b>		
PSY R103	Beginning Statistics for Behavioral Science	3.0
	<i>*Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	
<b>OR</b>		
SOC R125	Statistics for the Behavioral and Social Sciences	3.0
	<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032</i>	

**List B:** Select one course (3-5 units)  
*If a Physics course is selected, the lab must also be taken.*

CHEM R110	Elementary Chemistry	5.0
	<i>*Prerequisites: MATH R002 or MATH R011 or 1 year high school algebra</i>	



	<i>or equivalent</i>	
CHEM R112	Elementary Organic and Biological Chemistry <i>*Prerequisites: CHEM R110 or CHEM R120</i>	5.0
ACCT R101	Financial Accounting <i>*Advisories: BUS R001</i>	3.0
ANTH R102	Introduction to Cultural Anthropology	3.0
BUS R111	Business Law	3.0
CIS R100	Introduction to Computer Information Systems <i>*Advisory: CIS R020A</i>	3.0
ECON R100	Modern American Economy <i>*Advisories: ENGL R095 and ENGL R097 or equivalent</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i> <i>*Advisories: MATH R014 or MATH R014B</i>	3.0
HED R105	CPR, AED, First Aid and Personal Safety	3.0
HED R110	Introduction to Kinesiology	3.0
MATH R115	College Algebra <i>*Prerequisites: MATH R014 or MATH R014B or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>	5.0
PHYS R101	College Physics I <i>*Prerequisites: MATH R116</i>	4.0
<b>AND</b>		
PHYS R101L	College Physics I Lab <i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	1.0
PHYS R102	College Physics II <i>*Prerequisites: PHYS R101</i>	4.0
<b>AND</b>		
PHYS R102L	College Physics II Lab <i>*Prerequisites: PHYS R102 or concurrent enrollment</i>	1.0
PHYS R121	Physics with Calculus I <i>*Prerequisites: MATH R120</i>	5.0
PHYS R122	Physics with Calculus II <i>*Prerequisites: PHYS R121 and MATH R121</i>	5.0
PSY R108	Developmental Psychology	3.0
SOC R101/H	Introduction to Sociology/Honors	3.0

**TOTAL REQUIRED MAJOR UNITS**

IGETC Pattern	<b>26-31</b>
Double-Counted Units	37-39
Electives (CSU transferable units needed to reach 60)	(10-18)
	7-8

**DEGREE TOTAL**

**60**



## OFFICE SOFTWARE SPECIALIST

### Proficiency Award

(Awarded by the Department)

The Office Software Specialist Program prepares students to advance in an office career ladder in which knowledge of Microsoft Office applications is necessary. It is a certificate that leads to the Administrative Assistant degree.

<b>REQUIRED COURSES:</b>		<b>UNITS</b>
CAOT R123	Microsoft Excel <i>* Advisories: CIS R020A</i>	3.0
CAOT R124	Microsoft Access <i>* Advisories: CIS R020A</i>	3.0
CAOT R129	Microsoft PowerPoint <i>* Advisories: CIS R020A</i>	3.0
CAOT R130	Microsoft Word <i>* Advisories: CIS R020A</i>	3.0
<b>TOTAL REQUIRED UNITS</b>		<b>12</b>



## OFFICE TECHNOLOGIES

### Proficiency Award

(Awarded by the Department)

The Office Occupations Preparation Program is for students with little or no previous office training and who have immediate job goals in mind. This program can be completed in one semester. The Proficiency Award will be granted by the Department to a student receiving a grade of C or better in each course. All of the following required courses can be applied toward the Administrative Assistant program.

REQUIRED COURSES:	UNITS
CAOT R001 Keyboarding (Alpha and Numeric)	1.5
CAOT R002 Keyboarding Speed and Accuracy	1.5
* <i>Advisory:</i> CAOT R001	
CAOT R004 Microsoft Outlook	1.5
CAOT R009 Office Procedures	3.0
* <i>Advisory:</i> CAOT R001 or CAOT R002 and CAOT R130	
CAOT R123 Microsoft Excel	3.0
* <i>Advisories:</i> CIS R020A	
CAOT R130 Microsoft Word	3.0
* <i>Advisories:</i> CIS R020A	
<b>TOTAL REQUIRED UNITS</b>	<b>13.5</b>



## PARALEGAL STUDIES

### Associate in Science Degree Certificate of Achievement

This program prepares students to be a paralegal with responsibility for assisting attorneys in preparation of cases for trial or arbitration, researching existing laws, and performing a moderate degree of investigation. To complete the Associate in Science degree, students must also meet requirements in general education. Please see your counselor to develop an educational plan. *For more information, contact: Career & Technical Education Division Office, (805) 678-5824.*

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
BUS R111      Business Law	3.0
PLS R041      Computer Applications for Paralegals * <i>Advisories:</i> CIS R021A	3.0
PLS R101      Paralegal Fundamentals	3.0
PLS R104      Legal Research and Writing I * <i>Advisories:</i> PLS R101	3.0
PLS R105      Legal Research and Writing II * <i>Prerequisites:</i> PLS R104	3.0
PLS R109      Communications and Case Management	3.0

**SELECT 12 UNITS FROM THE FOLLOWING TWO TRACKS. STUDENTS MAY CHOOSE ALL 12 UNITS WITHIN THE SAME TRACK, OR SELECT COURSES FROM BOTH TRACKS TO TOTAL 12 UNITS.**

#### **LITIGATION TRACK:**

PLS R102      Torts * <i>Advisories:</i> PLS R101	3.0
PLS R106      Civil Litigation * <i>Advisories:</i> PLS R101	3.0
PLS R107      Family Law	3.0
PLS R108      Evidence * <i>Advisories:</i> PLS R101	3.0
PLS R110      Criminal Law and Procedure	3.0
PLS R124      Bankruptcy Law	3.0
PLS R126      Probate Law	3.0

**OR**

#### **TRANSACTIONAL TRACK:**

PLS R103      Contracts * <i>Advisories:</i> PLS R101	3.0
PLS R120      Real Estate Law	3.0
PLS R122      Immigration Law	3.0
PLS R123      Employment Law	3.0
PLS R125      Business Organizations	3.0
PLS R127      Trusts and Estates	3.0

#### **TOTAL REQUIRED MAJOR UNITS**

**30**

Additional units/requirements to complete the A.S. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	1

**Total Units required for the A.S. Degree**

**60**



## PHILOSOPHY

### Associate in Arts Degree

The goal of the philosophy program is to introduce students to a broad range of philosophical issues and perspectives. Methods used to achieve this end include: critical reasoning and analysis; constructive dialogue; and written expression of ideas. Philosophical topics and questions studied concern better understanding ourselves and others; exploring different theories about the nature of being and reality; applying reasoning to matters of value, at both a personal and a societal level; and addressing the issue of meaning and purpose in life. The subject taught primarily contributes to an individual student's general liberal arts education. Transfer-level curriculum is emphasized, as are interdisciplinary studies with other subject areas, and notably the natural and social sciences. Students who take philosophy courses in the program can expect to become better thinkers and learners; more capable employees; wiser consumers; and better citizens in their own communities as well as the global community. *For more information, contact: Chris Horrock, [chorrock@vccd.edu](mailto:chorrock@vccd.edu) (805) 678-5092.*

#### REQUIRED COURSES:

	<b>UNITS</b>
PHIL R101/H Introduction to Philosophy/Honors	3.0
PHIL R107 Introduction to Logic	3.0
	6.0

#### REQUIRED ADDITIONAL COURSES:

	<b>UNITS</b>
Complete a minimum of 12 units from the following:	
ANTH R111 Magic, Witchcraft & Religion: Anthropology of Belief	3.0
ECON R101 Principles of Macroeconomics	3.0
<i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i>	
<i>*Advisories: MATH R014 or MATH R014B</i>	
PHIL R100 Critical Thinking	3.0
PHIL R102/H Introduction to Ethics/Honors	3.0
PHIL R103 Survey of World Religions: East	3.0
PHIL R104 Survey of World Religions: West	3.0
PHIL R105 History of Western Philosophy I: Ancient and Medieval	3.0
PHIL R106 History of Western Philosophy II: Modern and Contemporary	3.0
PHIL R108 World Mythology	3.0
PHIL R109 Modern Religious Movements in America	3.0
PHIL R110 Philosophy of Religion	3.0
PHIL R111 Critical Thinking and Analytic Writing	3.0
<i>*Prerequisites: ENGL R101/H</i>	
PHIL R112 Symbolic Logic	3.0
PHIL/SOC R114 Social Philosophy	3.0
POLS R100 Introduction to Politics	3.0
	12

<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>18</b>
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Additional units/requirements to complete the A.A. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	3-6
Degree-Applicable Electives (needed to reach the 60 units)	16-18

<b>Total Units required for the A.A. Degree</b>	<b>60</b>
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# PHILOSOPHY

## Associate in Arts for Transfer

The goal of the philosophy program is to introduce students to a broad range of philosophical issues and perspectives. Methods used to achieve this end include: critical reasoning and analysis; constructive dialogue; and written expression of ideas. Philosophical topics and questions studied concern better understanding ourselves and others; exploring different theories about the nature of being and reality; applying reasoning to matters of value, at both a personal and a societal level; and addressing the issue of meaning and purpose in life. The subject taught primarily contributes to an individual student's general liberal arts education. Transfer-level curriculum is emphasized, as are interdisciplinary studies with other subject areas, and notably the natural and social sciences. Students who take philosophy courses in the program can expect to become better thinkers and learners; more capable employees; wiser consumers; and better citizens in their own communities as well as the global community. *For more information, contact: Chris Horrock (805) 678-5092 [chorrock@vcccd.edu](mailto:chorrock@vcccd.edu)*

### REQUIRED CORE COURSES (6 UNITS):

**UNITS**

*Choose one course or three units minimum from the following:*

PHIL R107 Introduction to Logic 3.0

**OR**

PHIL R112 Symbolic Logic 3.0

*Choose one course or three units minimum from the following:*

PHIL R101/H Introduction to Philosophy/Honors 3.0

**OR**

PHIL R102/H Introduction to Ethics/Honors 3.0

**List A - Select One of the following courses (3 units):**

★ *Any course from the Core not already selected above* 3.0

**OR**

PHIL R105 History of Ancient and Medieval Philosophy 3.0

PHIL R106 History of Modern Philosophy 3.0

**List B - Select Two of the following courses (6 units):**

★ *Any course from the Core not already selected above* 3.0

**OR**

PHIL R110 Philosophy of Religion 3.0

PHIL R114 Social Philosophy 3.0

**List C - Select one of the following courses (3 units):**

★ *Any course from List A or List B not already selected above* 3.0

**OR**

PHIL R100 Critical Thinking 3.0

PHIL R103 Survey of World Religions: East 3.0

PHIL R104 Survey of World Religions: West 3.0

PHIL R108 World Mythology 3.0

PHIL R109 Modern Religious Movements in America 3.0

PHIL R111 Critical Thinking and Analytic Writing 3.0

*\*Prerequisites: ENGL R101 or ENGL R101H*

### TOTAL REQUIRED MAJOR UNITS

**18**

CSU General Education or IGETC Pattern

38-41

Double-Counted Units

(6-9)

Electives (CSU transferable units needed to reach 60)

7-13

### DEGREE TOTAL

**60**



## PHYSICS

### Associate in Science Degree

Physics is the science of matter and its motion – the science that deals with concepts such as force, energy, mass and charge. As an experimental science, the goal in understanding physics is to understand the natural world. In one form or another, physics is one of the oldest academic disciplines; through its modern subfield of astronomy, it may be the oldest of all. Advances in physics often translate to the technological sector, and sometimes influence the other sciences, as well as mathematics and philosophy. The physics program at Oxnard College offers the Associate in Science (A.S.) degree and the Associate in Science for Transfer (AS-T). The courses in this program may prepare students for technician-level jobs or university transfer to Bachelor of Arts or Bachelor of Science degree programs in physics. **UC Limitation on Transfer of Physics Courses:** The UC will give credit for only one Physics series: R101/L and R102/L or R121 and R122 or R131, R132, and R133. For more information, contact: Justin Miller, [jwmiller@vcccd.edu](mailto:jwmiller@vcccd.edu) (805) 678-5094.

### ★ REQUIRED COURSES FOR THE A.S. IN PHYSICS

### UNITS

★	CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110; and MATH R014 or MATH R033</i>	5.0
	MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process</i>	5.0
	MATH R121	Calculus with Analytic Geometry II <i>*Prerequisites: MATH R120</i>	5.0
	MATH R122	Calculus with Analytic Geometry III <i>*Prerequisites: MATH R121</i>	5.0
	MATH R134	Linear Algebra <i>*Prerequisites: MATH R121</i>	3.0
	MATH R143	Differential Equations <i>*Prerequisites: MATH R121</i>	3.0
	PHYS R131	Physics for Scientists and Engineers 1 <i>*Prerequisites: MATH R120</i>	5.0
	PHYS R132	Physics for Scientists and Engineers 2 <i>*Prerequisites: PHYS R131 and MATH R121</i>	5.0
	PHYS R133	Physics for Scientists and Engineers 3 <i>*Prerequisites: PHYS R132 and MATH R122</i>	5.0

### REQUIRED MAJOR UNITS

**41**

Additional units/requirements to complete the A.S. Degree:

CSU GE-Breadth or IGETC Pattern 37-39

Double-Counted Units 6

Degree-Applicable Electives (needed to reach the 60 units) 0

### Total Units required for the A.S. Degree

**72-74**

★ Note: UC Santa Barbara requires both CHEM R120 and CHEM R122 (General Chemistry II) for either the B.A. in Physics or the B.S. in Physics. CHEM R122 is offered fall and spring semesters at Oxnard College.

Proposed plan of study for A.S. degree in Physics:

#### YEAR 1: FALL SEMESTER

MATH R120

CHEM R120

#### YEAR 2: FALL SEMESTER

MATH R122

PHYS R132

#### SPRING SEMESTER

MATH R121

PHYS R131

#### SPRING SEMESTER

MATH R134 & R143

PHYS R133



## PHYSICS

### Associate in Science for Transfer

Physics is the science of matter and its motion – the science that deals with concepts such as force, energy, mass and charge. As an experimental science, the goal in understanding physics is to understand the natural world. In one form or another, physics is one of the oldest academic disciplines; through its modern subfield of astronomy, it may be the oldest of all. Advances in physics often translate to the technological sector, and sometimes influence the other sciences, as well as mathematics and philosophy. The physics program at Oxnard College offers the Associate in Science (A.S.) degree and the Associate in Science for Transfer (AS-T). The courses in this program may prepare students for technician-level jobs or university transfer to Bachelor of Arts or Bachelor of Science degree programs in physics. **UC Limitation on Transfer of Physics Courses:** *The UC will give credit for only one Physics series: R101/L and R102/L or R121 and R122 or R131, R132, and R133. For more information, contact: Justin Miller, [jwmiller@vcccd.edu](mailto:jwmiller@vcccd.edu) (805) 678-5094.*

<b>REQUIRED CORE PHYSICS COURSES (15 UNITS):</b>	<b>UNITS</b>
PHYS R131    Physics for Scientists and Engineers 1 *Prerequisites: MATH R120	5.0
PHYS R132    Physics for Scientists and Engineers 2 *Prerequisites: PHYS R131 and MATH R121	5.0
PHYS R133    Physics for Scientists and Engineers 3 *Prerequisites: PHYS R132 and MATH R122	5.0
<b>REQUIRED CORE MATHEMATICS COURSES (15 UNITS):</b>	<b>UNITS</b>
MATH R120    Calculus with Analytic Geometry I *Prerequisites: MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process	5.0
MATH R121    Calculus with Analytic Geometry II *Prerequisites: MATH R120	5.0
MATH R122    Calculus with Analytic Geometry III *Prerequisites: MATH R121	5.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>30</b>
IGETC Pattern	37
Double-Counted Units	(7)
Electives (CSU transferable units needed to reach 60)	0
<b>DEGREE TOTAL</b>	<b>60</b>



## POLITICAL SCIENCE

### Associate in Arts Degree

Political Science courses offer research into and analysis of the institutions and politics of government. Topics include the interpretation and use of constitutions, the politics of the legislative process, elections and campaigns, the impact of money and lobbying on public policy decisions, the role of political parties, interactions between national, state and local government, the role of executive leadership including the United States President, the impact of bureaucracies on public and personal life, the judicial process and the criminal justice system, comparative government, international relations and a wide range of issues that affect the lives of citizens. Development of skills in research, critical thinking, persuasive argument in debate, and analytical writing are primary goals of instruction in political science. All courses provide a stimulating foundation for the life of an educated citizen. Four political science courses offer partial fulfillment of the American Institutions requirement. The requirements for a political science major and the great variety of career options served by a major are listed below. *For more information, contact: Gloria Guevara, [gguevara@vcccd.edu](mailto:gguevara@vcccd.edu) (805) 678-5095.*

#### REQUIRED COURSES (15 UNITS):

	UNITS
POLS R100 Introduction to Politics	3.0
POLS R101 Government of the United States I: Institutions and Politics	3.0
POLS R102 Government of the United States: Institutions and Laws	3.0
POLS R104 Introduction to International Relations	3.0
POLS R108 Comparative Politics	3.0

#### REQUIRED ADDITIONAL COURSES (6 UNITS): UNITS

Select six units from the following:

ANTH R102/H Introduction to Cultural Anthropology/Honors	3.0
ECON R100 Modern American Economy	3.0
<i>* Advisories: ENGL R095 and ENGL R097 or equivalent</i>	

**OR**

ECON R101 Introduction to the Principles of Macroeconomics	3.0
<i>** Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process</i>	
<i>* Advisories: MATH R014 or MATH R014B</i>	

GEOG R102 World Regional Geography	3.0
HIST R107 History of Mexicans in the United States	3.0

**OR**

HIST R116 History of the Americas II	3.0
HIST R110 History of the Middle East	3.0
HIST R150/H World History I/Honors	3.0
HIST R160/H World History II/Honors	3.0
IDS R101A History of Ideas and Evolution of Culture I	3.0
IDS R102 Science, Technology, and Human Values	3.0
PHIL R111 Critical Thinking and Analytic Writing	3.0
<i>* Prerequisites: ENGL R101</i>	

PHIL/SOC R114 Social Philosophy	3.0
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Any POLS course not used to satisfy the core requirement	3.0
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PSY R103 Beginning Statistics for Behavioral Science	3.0
<i>* Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	

SOC R103 Race and Ethnic Relations	3.0
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#### TOTAL REQUIRED MAJOR UNITS

**21**

Additional units/requirements to complete the A.A. Degree:

Oxnard College General Education Pattern	29
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Double-Counted Units	6-12
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Degree-Applicable Electives (needed to reach the 60 units)	16-22
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#### Total Units required for the A.A. Degree

**60**



## POLITICAL SCIENCE

### Associate in Arts for Transfer

Political Science courses offer research into and analysis of the institutions and politics of government. Topics include the interpretation and use of constitutions, the politics of the legislative process, elections and campaigns, the impact of money and lobbying on public policy decisions, the role of political parties, interactions between national, state and local government, the role of executive leadership including the United States President, the impact of bureaucracies on public and personal life, the judicial process and the criminal justice system, comparative government, international relations and a wide range of issues that affect the lives of citizens. Development of skills in research, critical thinking, persuasive argument in debate, and analytical writing are primary goals of instruction in political science. All courses provide a stimulating foundation for the life of an educated citizen. Four political science courses offer partial fulfillment of the American Institutions requirement. The requirements for a political science major and the great variety of career options served by a major are listed below. *For more information, contact: Gloria Guevara, [gguevara@vcccd.edu](mailto:gguevara@vcccd.edu) (805) 678-5095.*

**REQUIRED CORE COURSES (3 UNITS):** **UNITS**

POLS R101 Government of the United States I: Institutions and Politics 3.0

**LIST A - SELECT THREE OF THE FOLLOWING COURSES (9 UNITS):**

PHIL R114 Social Philosophy 3.0

POLS R100 Introduction to Politics 3.0

POLS R104 Introduction to International Relations 3.0

POLS R108 Comparative Politics 3.0

**LIST B - SELECT TWO OF THE FOLLOWING COURSES (6 UNITS):**

Any course from List A not already selected above 3.0

ANTH R102/H Introduction to Cultural Anthropology/Honors 3.0

ANTH R105 Sex, Gender and Culture 3.0

ANTH R110 People and Cultures of the World 3.0

ECON R100 Modern American Economy 3.0

*\*Advisories: ENGL R095 and ENGL R097 or equivalent*

ECON R101 Introduction to the Principles of Macroeconomics 3.0

*\*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process*

*\*Advisories: MATH R014 or MATH R014B*

ECON R102 Introduction to the Principles of Microeconomics 3.0

*\*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures process*

*\*Advisories: MATH R014 or MATH R014B*

HIST R109 History of Mexico 3.0

HIST R116 History of the Americas II 3.0

HIST R117 History of American Women 3.0

HIST R130/H History of the United States I/Honors 3.0

HIST R140/H History of the United States II/Honors 3.0

HIST R150/H World History I/Honors 3.0

HIST R160/H World History II/Honors 3.0

POLS R102 Government of the United States: Institutions and Laws 3.0

POLS R105 Current Issues in Domestic and Foreign Politics 3.0

SOC R101 Introduction to Sociology 3.0

SOC R102 Social Problems 3.0

SOC R104 Sex Roles 3.0

SOC R108 Sociology of the Chicano Community 3.0

SOC R125 Statistics for the Behavioral and Social Sciences 3.0

*\*Prerequisites: MATH R014 or MATH R014B or MATH R032*

**TOTAL REQUIRED MAJOR UNITS**

**18**

CSU General Education or IGETC Pattern 38-41

Double-Counted Units (6-15)

Electives (CSU transferable units needed to reach 60) 7-19

**DEGREE TOTAL**

**60**



## PSYCHOLOGY

### Associate in Arts Degree

The Department of Psychology at Oxnard College studies mental processes and human behavior. It offers courses exploring different aspects of people's behavior and thinking. Students interested in the major and general education will find several courses addressing their specific interests, as well as those with Workforce and Continuing Education needs. The major is designed to prepare the student for higher level studies at California State University as well as The University of California. *For more information, contact: Linda Chaparro, [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu) (805) 678-5096.*

#### REQUIRED COURSES:

	UNITS
PSY R101/H General Psychology/Honors	3.0
PSY R102A Interpersonal Relations	3.0

#### Choose one of the following statistics courses:

PSY R103 Beginning Statistics for Behavioral Science <i>* Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	3.0
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**OR**

MATH R105/H Introductory Statistics/Honors <i>* Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
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#### And choose one of the following courses:

PSY R104 Intro to Experimental Psychology <i>* Prerequisites: PSY R101 and PSY R103 or MATH R105</i>	3.0
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**OR**

PSY R105 Intro to Physiological Psychology <i>* Prerequisites: PSY R101</i>	3.0
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12 - 13

#### REQUIRED ADDITIONAL COURSES:

Complete one of the following courses:

PHIL R101/H Introduction to Philosophy/Honors	3.0
PSY R104 Intro to Experimental Psychology <i>* Prerequisites: PSY R101 and PSY R103 or MATH R105</i>	3.0
PSY R105 Intro to Physiological Psychology <i>* Prerequisites: PSY R101</i>	3.0
PSY R108 Developmental Psychology	3.0
SOC R106 Contemporary Family in American Society	3.0

#### PLUS ONE OF THE FOLLOWING:

PSY R107/SOC R104 Sex Roles	3.0
PSY R110 Human Sexuality	3.0
PSY R111/ECE R108 The Exceptional Child	3.0
	<hr style="width: 100%;"/> 6.0

#### TOTAL REQUIRED MAJOR UNITS

**18 - 19**

Additional units/requirements to complete the A.A. Degree:

Oxnard College General Education Pattern	29
Double-Counted Units	6-12
Degree-Applicable Electives (needed to reach the 60 units)	19-24

#### Total Units required for the A.A. Degree

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60



## PSYCHOLOGY

### Associate in Arts for Transfer

The Department of Psychology at Oxnard College studies mental processes and human behavior. It offers courses exploring different aspects of people's behavior and thinking. Students interested in the major and general education will find several courses addressing their specific interests, as well as those with Workforce and Continuing Education needs. The major is designed to prepare the student for higher level studies at California State University as well as The University of California. *For more information, contact: Linda Chaparro, [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu) (805) 678-5096.*

#### REQUIRED CORE COURSES (9-10 UNITS):

	<b>UNITS</b>
PSY R101/H General Psychology/Honors	3.0
PSY R104 Introduction to Experimental Psychology <i>*Prerequisites: PSY R101 and PSY R103 or MATH R105</i>	3.0
PSY R103 Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	3.0

**OR**

MATH R105/H Introductory Statistics/Honors <i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
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#### LIST A - REQUIRED ADDITIONAL COURSE (3 UNITS):

PSY R105 Introduction to Physiological Psychology <i>*Prerequisites: PSY R101</i>	3.0
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#### LIST B - SELECT THE FOLLOWING COURSE (3 UNITS):

PSY R108 Developmental Psychology	3.0
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#### LIST C - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

PSY R102A Interpersonal Relations I	3.0
PSY R107 Sex Roles	3.0
PSY R110 Human Sexuality	3.0
PSY R131 Abnormal Psychology	3.0

#### TOTAL REQUIRED MAJOR UNITS

CSU General Education or IGETC Pattern	37-39
Double-Counted Units	(12-18)
Electives (CSU transferable units needed to reach 60)	17-21

#### DEGREE TOTAL

**60**



## PUBLIC HEALTH SCIENCE

### Associate in Science for Transfer

The AS-T in Public Health Science provides preparation for students interested in careers in public health. Some of the career opportunities for those who study public health include epidemiologists, community health workers, environmental scientists, health educators, public health officers, biostatisticians, clinical research coordinators, nonprofit coordinators, research assistants, healthcare consultants, hospital administrators, clinical trials analysts, infection control officers, project managers, public health nurses, nutritionists, and behavioral scientists.

#### REQUIRED CORE COURSES (30-31 UNITS):

	<b>UNITS</b>
HED R113 Introduction to Public Health Science	3.0
HED R104 Personal Health and Wellness	3.0
ANAT R101 Human Anatomy	4.0
* <i>Prerequisites:</i> MATH R014 or MATH R033 and ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L	
PHSO R101 Human Physiology	5.0
* <i>Prerequisites:</i> ANAT R101, and CHEM R104 or CHEM R110, and MATH R014 or MATH R033, and ENGL R097	
BIOL R101/H General Biology/Honors	3.0
* <i>Advisories:</i> ENGL R095 and ENGL R097, or ENGL R100, or concurrent enrollment in ENGL R101/H; concurrent enrollment in BIOL R101L	
<b>AND</b>	
BIOL R101L General Biology Laboratory	1.0
* <i>Prerequisites:</i> BIOL R101 or concurrent enrollment	
PSY R101/H General Psychology/Honors	3.0

#### CHOOSE ONE COURSE IN CHEMISTRY:

CHEM R110 Elementary Chemistry	5.0
* <i>Prerequisites:</i> MATH R002 or MATH R011 or 1 year high school algebra or equivalent	
CHEM R120 General Chemistry I	5.0
* <i>Prerequisites:</i> CHEM R110; and MATH R014 or MATH R033	

#### CHOOSE ONE COURSE IN STATISTICS:

MATH R105/H Introductory Statistics/Honors	4.0
* <i>Prerequisites:</i> MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process	
PSY R103 Beginning Statistics for Behavioral Science	3.0
* <i>Prerequisites:</i> PSY R101 and MATH R014 or MATH R014B or MATH R032	
SOC R125 Statistics for the Behavioral and Social Sciences	3.0
* <i>Prerequisites:</i> MATH R014 or MATH R014B or MATH R032	

**LIST A:** Select one course (3-5 units. If a Biology course is selected, the corresponding Biology lab must also be taken.) **UNITS**

ECON R101 Introduction to the Principles of Macroeconomics	3.0
* <i>Prerequisites:</i> MATH R002 or MATH R011 or placement as determined by the college's multiple measures process	
* <i>Advisories:</i> MATH R014 or MATH R014B	



ECON R102	Introduction to the Principles of Microeconomics	3.0
	* <b>Prerequisites:</b> MATH R002 or MATH R011 or placement as determined by the college's multiple measures process	
	* <b>Advisories:</b> MATH R014 or MATH R014B	
HED R103	Women's Health	3.0
HED R114	Introduction to Nutrition Science	3.0
PSY R110	Human Sexuality	3.0
SOC R101/H	Introduction to Sociology/Honors	3.0
COMM R101	Introduction to Oral Communication	3.0
BIOL R120	Principles of Biology I	4.0
	* <b>Prerequisites:</b> CHEM R120; and MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process	
	* <b>Advisories:</b> ENGL R097, or ENGL R100, or ENGL R101 or ENGL R101H	
<b>AND</b>		
BIOL R120L	Principles of Biology I Lab: Intro. to Cellular and Molecular Biology	1.0
	* <b>Prerequisites:</b> BIOL R120 or concurrent enrollment	
BIOL R122	Principles of Biology II	4.0
	* <b>Prerequisites:</b> BIOL R120 and BIOL R120L; MATH R014 or MATH R014B or eligibility for college level math as determined by the college's multiple measures process	
	* <b>Advisories:</b> ENGL R101 or ENGL R101H	
<b>AND</b>		
BIOL R122L	Principles of Biology II Lab	1.0
	* <b>Prerequisites:</b> BIOL R120 and BIOL R120L; BIOL R122 or concurrent enrollment	
MATH R106	Business Calculus	4.0
	* <b>Prerequisites:</b> MATH R115 or placement as determined by the college's multiple measures assessment process	
MATH R115	College Algebra	4.0
	* <b>Prerequisites:</b> MATH R014 or MATH R014B or MATH R033 or placement as determined by the college's multiple measures assessment process	
MATH R120	Calculus with Analytic Geometry I	5.0
	* <b>Prerequisites:</b> MATH R115 and MATH R116 or placement as determined by the college's multiple measures assessment process	
PHYS R121	Physics with Calculus 1	5.0
	* <b>Prerequisites:</b> MATH R120	
PHYS R122	Physics with Calculus 2	5.0
	* <b>Prerequisites:</b> PHYS R121 and MATH R121	
PHYS R131	Physics for Scientists and Engineers 1	5.0
	* <b>Prerequisites:</b> MATH R120	
PHYS R132	Physics for Scientists and Engineers 2	5.0
	* <b>Prerequisites:</b> PHYS R131 and MATH R121	
<b>TOTAL REQUIRED MAJOR UNITS</b>		<b>33-36</b>
CSU General Education or IGETC Pattern		37-39
Double-Counted Units		(13-21)
Electives (CSU transferable units needed to reach 60)		0-6
<b>DEGREE TOTAL</b>		<b>60</b>



## RESTAURANT MANAGEMENT

Associate in Science Degree  
Certificate of Achievement

This program prepares students to obtain employment in the restaurant management field as food service unit managers, multi-unit managers, corporate executives, or corporate trainers. Career opportunities for trained personnel are almost limitless.

<b>REQUIRED COURSES:</b>	<b>UNITS</b>
CRM R100 Introduction to the Hospitality Industry	3.0
CRM R104 Sanitation & Environmental Control	3.0
CRM R106 Nutrition in Food Service	3.0
CRM R107 Dining Room Service	3.5
* <i>Prerequisites:</i> CRM R100 and CRM R104 or concurrent	
* <i>Limitations:</i> A negative TB test is required.	
CRM R109 Management by Menu	3.0
CRM R110 Food and Beverage Cost Control	3.0
CRM R111 Food Purchasing and Receiving	3.5
* <i>Advisories:</i> CRM R102A	
CRM R112 Food and Beverage Management	3.0
CRM R113 Bar and Beverage Management	3.0
CRM R114 Supervision in the Hospitality Industry	3.0
CRM R115 Marketing of Hospitality Services	3.0
* <i>Advisories:</i> BUS R132	
CRM R116 Accounting for the Hospitality Industry	3.0
<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>37</b>
Additional units/requirements to complete the A.S. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	0
Degree-Applicable Electives (needed to reach the 60 units)	0
<b>Total Units required for the A.S. Degree</b>	<b>66</b>



**Recommended elective course for the Associate in Science Degree:**

CAOT R122 Microsoft Office	3.0
* <i>Advisories:</i> CIS R020A	



## SOCIAL JUSTICE STUDIES

### Associate in Arts for Transfer

The Social Justice Studies major is an "area of emphasis" (AOE) focused on developing critical and interdisciplinary approaches to the study of race/ethnicity, gender, sexuality and identity. It has specifically been designed to prepare students at the community college level for transfer into a variety of CSU majors including but not limited to: African American Studies; Africana Studies; American Indian Studies; American Studies; Arabic Language, Literature and Culture; Asian American Studies; Chicano/Chicana Studies; Ethnic Studies; Gender Studies; Labor and Employment Studies; Labor Studies; Latin American Studies; Liberal Studies w/Option in Interdisciplinary Studies in Culture & Society; Liberal Studies - Border Studies Option; Mexican-American Studies; Modern Jewish Studies; Negotiation, Conflict Resolution and Peacebuilding; Sociology - Concentration in Critical Race Studies; Sociology - Concentration Race, Class, and Gender; Sociology with Inequalities and Diversity Option; Social Science with Emphasis in Islamic and Arabic Studies; Women, Gender, and Sexuality Studies; Women's Studies. *For more information, contact: Arion Melidonis, [amelidonis@vccd.edu](mailto:amelidonis@vccd.edu) (805) 678-5044.*

#### LIST A - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

SJS R110	Introduction to Social Justice Studies	3.0
SOC R103	Race and Ethnic Relations	3.0

#### LIST B - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

SJS R120	Introduction to Women's Studies	3.0
SJS R130	Introduction to LGBTQ Studies	3.0
PSY R107/	Sex Roles	3.0
SOC R104		

#### LIST C - SELECT ONE OF THE FOLLOWING COURSES (3 UNITS):

**It is strongly recommended that wherever possible Students take a course in list c that directly relates to their intended major at their transfer institution.**

Any course from List A or List B not already selected above		3.0
ANTH R105	Sex, Gender and Culture	3.0
ANTH R107	The Anthropology of Native Americans	3.0
ANTH R114	African American Culture and Experience	3.0
CHST R101	Introduction to Chicana/o Studies	3.0
CHST R107/	History of Mexicans in the United States	3.0
HIST R107		
HIST R108	African-American History	3.0
SOC R108	Sociology of the Chicano Community	3.0



**Students are required to take a total of three courses (9 units) from at least two of the following areas (1-5) Listed below:**

#### LIST D. AREA 1 - HISTORY OR GOVERNMENT.

**Select up to two of the following courses (0-6 units):**

CHST R107/	History of Mexicans in the United States	3.0
HIST R107		
HIST R108	African-American History	3.0
HIST R117	History of American Women	3.0

#### LIST E. AREA 2 - ARTS AND HUMANITIES.

**Select up to two of the following courses (0-6 units):**

ART R170	Introduction to Women in Art: Woman as Artist; Woman as Image	3.0
ENGL R124	Introduction to LGBTIQ Literature	3.0

*\*Prerequisites: ENGL R101/H*



**LIST F. AREA 3 - SOCIAL SCIENCES.**

**Select up to two of the following courses (0-6 units):**

ANTH R105 Sex, Gender and Culture	3.0
ANTH R107 The Anthropology of Native Americans	3.0
ANTH R114 African American Culture and Experience	3.0
CHST R101 Introduction to Chicana/o Studies	3.0
CHST R107/ History of Mexicans in the United States	3.0
HIST R107	
SOC R103 Race and Ethnic Relations	3.0
PSY R107/ Sex Roles	3.0
SOC R104	
SOC R108 Sociology of the Chicano Community	3.0

**LIST G. AREA 4 - QUANTITATIVE REASONING AND RESEARCH METHODS.**

**Select up to two of the following courses (0-6 units):**

MATH R105/H Introductory Statistics/Honors	4.0
<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	
PSY R103 Beginning Statistics for Behavioral Science	3.0
<i>*Prerequisites: PSY R101 and MATH R014 or MATH R014B or MATH R032</i>	
SOC R125 Statistics for the Behavioral and Social Sciences	3.0
<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032</i>	

**LIST H. AREA 5 - MAJOR PREPARATION. SELECT UP TO TWO OF THE FOLLOWING COURSES (0-6 UNITS):**

**Courses can only be utilized to fulfill list h if they have not already been utilized to fulfill list a, b, or c.**

ANTH R105 Sex, Gender and Culture	3.0
ANTH R107 The Anthropology of Native Americans	3.0
ANTH R114 African American Culture and Experience	3.0
CHST R101 Introduction to Chicana/o Studies	3.0
CHST R107/ History of Mexicans in the United States	3.0
HIST R107	
HIST R108 African-American History	3.0
HIST R109 History of Mexico	3.0
PSY R101/H General Psychology/Honors	3.0
PSY R107/ Sex Roles	3.0
SOC R104	
SOC R101/H Introduction to Sociology/Honors	3.0
SOC R103 Race and Ethnic Relations	3.0
SOC R108 Sociology of the Chicano Community	3.0
SPAN R117 Latin American Literature	3.0
<i>*Prerequisites: SPAN R103 or SPAN R140, or concurrent enrollment, or placement as determined by the college's multiple measures assessment process</i>	
<i>*Advisories: SPAN R104 or SPAN R141</i>	

<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>18</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	(18)
Electives (CSU transferable units needed to reach 60)	21-23
<b>DEGREE TOTAL</b>	<b>60</b>



## SOCIOLOGY

### Associate in Arts Degree

Sociology is the study of social relations in groups. Topics include socialization, social stratification, sex roles, race and ethnic relations, social philosophy, the family, population trends and the dynamics of social change. Sociology majors are prepared to transfer to four year colleges and universities so that they may prepare for careers as counselors, teachers, police officers, social workers and human services workers. *For more information, contact: Juan Pitones, [jpitones@vcccd.edu](mailto:jpitones@vcccd.edu) (805) 678-5240.*

<b>REQUIRED COURSES (12 UNITS):</b>	<b>UNITS</b>
SOC R101/H Introduction to Sociology/Honors	3.0
SOC R102 Social Problems	3.0
SOC R111 Introduction to Social Research	3.0
<i>*Prerequisites: SOC R101</i>	

**Plus one of the following:**

SOC R103 Race and Ethnic Group Relations	3.0
SOC R108 Sociology of the Chicano Community	3.0

**REQUIRED ADDITIONAL COURSES: UNITS**

**Complete one of the following courses:**

SOC R104/ Sex Roles	3.0
PSY R107	
SOC R105 Aging in the United States	3.0
SOC R106 Contemporary Family in American Society	3.0
SOC R114 Social Philosophy	3.0
SOC R125 Statistics for the Behavioral and Social Sciences	3.0
<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032</i>	

**Plus one of the following:**

ANTH R110 People of the World: The Cultures of Globalization and Change	3.0
HIST R107 History of Mexicans in the United States	3.0
HIST R108 African-American History	3.0
SOC R116 Crime and Society	3.0
SOC R118 Introduction to Human Services and Social Welfare	3.0
SOC R125 Statistics for the Behavioral and Social Sciences	3.0
<i>*Prerequisites: MATH R014 or MATH R014B or MATH R032</i>	

<b>TOTAL REQUIRED MAJOR UNITS</b>	<b>18</b>
Additional units/requirements to complete the A.A. Degree:	
Oxnard College General Education Pattern	29
Double-Counted Units	3-9
Degree-Applicable Electives (needed to reach the 60 units)	16-22
<b>Total Units required for the A.A. Degree</b>	<b>60</b>



## SOCIOLOGY

### Associate in Arts for Transfer

Sociology is the study of social relations in groups. Topics include socialization, social stratification, sex roles, race and ethnic relations, social philosophy, the family, population trends and the dynamics of social change. Sociology majors are prepared to transfer to four year colleges and universities so that they may prepare for careers as counselors, teachers, police officers, social workers and human services workers. *For more information, contact: Juan Pitones, [jpitones@vccd.edu](mailto:jpitones@vccd.edu) (805) 678-5240.*

<b>REQUIRED CORE COURSES (3 UNITS):</b>	<b>UNITS</b>
SOC R101/H Introduction to Sociology/Honors	3.0

#### **LIST A - REQUIRED ADDITIONAL COURSES (6 UNITS MINIMUM):**

SOC R102 Social Problems	3.0
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SOC R111 Introduction to Social Research	3.0
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*\*Prerequisites: SOC R101*

SOC R125 Statistics for the Behavioral and Social Sciences	3.0
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*\*Prerequisites: MATH R014 or MATH R014B or MATH R032*

**OR**

MATH R105/H Introductory Statistics/Honors	4.0
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*\*Prerequisites: MATH R014 or MATH R014B or MATH R032 or MATH R033  
or placement as determined by the college's multiple measures assessment  
process*

#### **LIST B - SELECT THREE OF THE FOLLOWING COURSES (9 UNITS):**

SOC R103 Race and Ethnic Relations	3.0
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SOC R104 Sex Roles	3.0
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SOC R106 Contemporary Family in American Society	3.0
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SOC R116 Crime and Society	3.0
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Any course from List A not already selected above	3.0
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#### **TOTAL REQUIRED MAJOR UNITS**

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**18**

CSU General Education or IGETC Pattern	38-41
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Double-Counted Units	(9-12)
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Electives (CSU transferable units needed to reach 60)	10-16
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**DEGREE TOTAL**

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**60**



## SPANISH

### Associate in Arts for Transfer

Oxnard College offers a full two-year sequence of courses in Spanish which consists of four semesters of college-level language learning. Students can also take courses in literature and Spanish-language cinema. There are courses for beginners and courses for native and heritage Spanish speakers. Classes are offered in traditional classroom formats as well as in partially or fully online formats. Native speakers and heritage speakers of Spanish are strongly encouraged to take the voluntary Spanish assessment test and see a counselor for guidance on the level to begin their Spanish studies. Students planning to transfer to a CSU or UC campus to complete a Bachelor's degree in Spanish are advised to refer to the official articulation agreements on assist.org for the most current requirements of their intended transfer institution and should work with a counselor to create a transfer plan. *For more information, contact: Milena Hurtado, [mhurtado@vcccd.edu](mailto:mhurtado@vcccd.edu), (805) 678-5221 or Cecilia Milán, [cmilan@vcccd.edu](mailto:cmilan@vcccd.edu), (805) 678-5101.*

#### REQUIRED CORE COURSES (16 UNITS MINIMUM):

		UNITS	
SPAN R101	Elementary Spanish 1	5.0	
SPAN R102	Elementary Spanish 2 <i>*Prerequisites: SPAN R101 or two years of high school Spanish with grades of C or better or placement as determined by the college's multiple measures assessment process</i>	5.0	
OR	SPAN R103	Intermediate Spanish 1 <i>*Prerequisites: SPAN R102</i>	5.0
	SPAN R140	Spanish for Heritage Speakers 1 <i>*Advisories: SPAN R102</i>	5.0
OR	SPAN R104	Intermediate Spanish 2 <i>*Prerequisites: SPAN R103</i>	5.0
	SPAN R141	Spanish for Heritage Speakers 2 <i>*Prerequisites: SPAN R140</i>	5.0

**NOTE:** Credit will not be granted for both SPAN R103 and R140, or for both SPAN R104 and R141. Students beginning the major at SPAN R102, SPAN R103, or SPAN R140 will need to select a course or courses from the substitution list below to total a minimum of 16 units in the core.

#### LIST A (ONE COURSE, 3 UNITS MINIMUM):

		UNITS
SPAN R117	Latin American Literature <i>*Prerequisites: SPAN R103 or SPAN R140, or concurrent enrollment, or placement as determined by the college's multiple measures assessment process</i> <i>*Advisories: SPAN R104 or SPAN R141</i>	3.0
HIST R126	History of Latin America	3.0

#### SUBSTITUTION COURSES FOR STUDENTS WHO DO NOT HAVE A MINIMUM OF 16 UNITS IN CORE COURSES:

SPAN R118	Latin America and Spanish Film <i>*Advisories: SPAN R103 or SPAN R140, or placement as determined by the college's multiple measures assessment</i>	3.0
CHST R101	Introduction to Chicana/o Studies	3.0
HIST R109	History of Mexico	3.0
CHST/HIST R107	History of Mexicans in the United States	3.0
COMM R113	Intercultural Communication	3.0

#### TOTAL REQUIRED CORE UNITS

**19-23**

CSU General Education or IGETC Pattern

37-39

Double-Counted Units

6-18

Electives (CSU transferable units needed to reach 60)

4-22

#### DEGREE TOTAL

**60**



## WIRELESS NETWORKING

### Proficiency Award

(Awarded by the Department)

The Wireless Networking Program is an award recognizing proficiency in wireless networking including design, IEEE 802.11 protocols, wireless security, and performing a site survey.

#### REQUIRED COURSES:

CNIT R127 Wireless Networking Fundamentals

**AND**

CNIT R120 Cisco CCNA Computer Networking I

**OR**

CNIT R144 CompTIA Network+ Fundamentals and Certification Prep

#### UNITS

3

4

4

**TOTAL REQUIRED UNITS**

7