



## 2-D STUDIO ARTS

### 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, contact Christine Morla (805) 678-5046 [corla@vccd.edu](mailto:corla@vccd.edu)*

Required Core Courses		Units
ART R102	Western Art I: Prehistory through the Middle Ages <b>**Advisories: ENGL R101</b>	3.0
ART R103	Western Art II: Renaissance to Contemporary	3.0
ART R104A	Color and Design: 2-D Foundations	3.0
ART R104B	Color Theory	3.0
ART R106A	Drawing and Composition I	3.0
ART R106B	Drawing and Composition II <b>* Prerequisites: ART R106A</b>	3.0
ART R115A	Abstract Concepts I	3.0
ART R126A	Life Drawing I <b>* Prerequisites: ART R106A</b>	3.0
ART R126B	Life Drawing II <b>* Prerequisites: ART R126A</b>	3.0
ART R165	Portfolio/Gallery Presentation	3.0
		<b>30.0</b>

#### LIST A:

Choose a series of **2 Painting Courses** (minimum of 6 units)

ART R108A	Beginning Oil Painting	3.0
ART R108B	Intermediate Oil Painting <b>* Prerequisites: ART R108A</b>	3.0
<b>-or-</b>		
ART R110A	Beginning Acrylic Painting	3.0
ART R110B	Intermediate Acrylic Painting <b>* Prerequisites: ART R110A</b>	3.0
		<b>6.0</b>

**Total Required Major Units 36**

Oxnard College General Education Pattern 37-39

Double-Counted Units 6-9

Degree-Applicable Electives (needed to reach 60 units) **+** 19-25

**Total units required for the A.A. Degree 66-69**



## 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: Timothy Fontenette (805) 678-5266 [tfotenette@vcccd.edu](mailto:tfotenette@vcccd.edu)*

Required Core Courses		Units
BUS R100	Introduction to Entrepreneurship	1.0
BUS R105	Accounting for Entrepreneurs	1.5
ACCT R110	QuickBooks 1 <b>**Advisories: BUS R001</b>	1.5
ACCT R111	QuickBooks 2 <b>**Advisories: ACCT R110</b>	<u>1.5</u>
<b>Total Required Units For the Award</b>		<b>5.5</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. *For more information contact: Alex Lynch (805) 678-5061 [alynch@vccd.edu](mailto:alynch@vccd.edu).*

Required Core Courses		Units
CNIT R130	Administer Microsoft Windows Operating System <b>**Advisories: CNIT R101</b>	3.0
CNIT R131	Administer Microsoft Windows Server <b>**Advisories: CNIT R130</b>	<u>3.0</u>
<b>Total Required Units For the Award</b>		<b>6.0</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> or contact Dr. Diane Eberhardy (805) 678-5055 [deberhardy@vcccd.edu](mailto:deberhardy@vcccd.edu).

Required Core Courses		Units
BUS R104	Business English	3.0
CAOT R001	Keyboarding (Alpha and Numeric)	1.5
CAOT R002	Keyboarding Speed and Accuracy <b>**Advisories: CAOT R001</b>	1.5
CAOT R004	Microsoft Outlook	1.5
CAOT R009	Office Procedures <b>**Advisories: CAOT R001 or CAOT R002 and CAOT R130</b>	3.0
CAOT R123	Microsoft Excel <b>**Advisories: CIS R020A</b>	3.0
CAOT R130	Microsoft Word <b>**Advisories: CIS R020A</b>	3.0

Required Additional Classes		
Complete a minimum of <b>one</b> course from the following		
BUS R001	Preparation for Accounting	3.0
BUS R120	Introduction to Business	3.0
CAOT R124	Microsoft Access <b>**Advisories: CIS R020A</b>	3.0
CAOT R129	Microsoft PowerPoint <b>**Advisories: CIS R020A</b>	3.0

<b>Total Required Major Units</b>	<b>19.5</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Degree-Applicable Electives	<b>+ 11.5</b>
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



# ADDICTIVE DISORDERS STUDIES

Associate in Science Degree  
Certificate of Achievement

The Addictive Disorders Studies (ADS) Program at Oxnard College 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. Students completing this program will have the necessary educational and skills requirements to APPLY for certification through the California Association of Alcohol/Drug Educators (CAADE). This California Association of Alcohol/Drug Educators (CAADE) approved program will prepare students for several different careers in the Addiction Counseling field. Students in this program will develop necessary knowledge, skills and attitudes required to be effective in the treatment of alcohol and drug abuse. Students will learn the responsibilities of a Certified Addictions Treatment Counselor (CATC) by doing intakes, screening, and assessments, motivational interviewing, supportive and group counseling, crisis intervention, information and referral, case write-ups, and treatment planning. Students completing this program will have the necessary education and skills required to apply for CATC certification through the Addiction Counselor Certification Board of California (ACCBC). The ACCBC for CAADE is an autonomous authority that confers credentials, standards, and requirements for CAADE. In addition, students who complete CAADE accredited programs may apply for certification through the California Association of DUI Treatment Program (CADTP) at <https://www.cadtp.org> and the California Consortium of Addiction Programs and Professionals (CCAPP) at [www.ccapp.us](http://www.ccapp.us). These additional certifications will assist students in building their career in the Addiction Counseling field. CAADE application forms and information can be found on their website at [www.accbc.org/catc/](http://www.accbc.org/catc/). For more information contact: Dr. Michael Webb (805) 678-5043 [mwebb@vcccd.edu](mailto:mwebb@vcccd.edu)

Required Core Courses		Units
ADS R101	Overview of Addiction	3.0
ADS R102	Case Management <i>*Prerequisites: ADS R101</i>	3.0
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 <i>*Prerequisites: ADS R101</i> <i>**Advisories: ADS R104</i>	3.0
ADS R105B	Group Leadership II <i>*Prerequisites: ADS R105A</i>	3.0
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 <i>*Prerequisites: ADS R101 and ADS R102 and ADS R103 and ADS R104 and ADS R105A</i>	1.0
ADS R110B	Alcohol and Drug Studies Field Experience II <i>*Prerequisites: ADS R110A</i>	1.0
ADS R113A	Co-occurring Disorders I	3.0
ADS R124	Ethics and Confidentiality for Alcohol/Drug Studies	3.0
COT R190V	Occupational Cooperative Unpaid Work Experience	4.0
<b>-OR-</b>		
COT R191V	Occupational Cooperative Paid Work Experience	4.0
<b>Total Required Major Units</b>		<b>39.0</b>
Oxnard College General Education Pattern		29.0
Double-Counted Units		0.0
Free Electives Required		<b>+</b> 0.0
<b>Total units required for the A.S. Degree</b>		<b>68.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## 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..  
For more information contact: Dr. Michael Webb (805) 678-5043 [mwebb@vcccd.edu](mailto:mwebb@vcccd.edu)

Required Core Courses	Units
ADS R105B Group Leadership II <i>*Prerequisites:</i> ADS R105A	3.0
ADS R111 Management and Supervision in Alcohol Programs <i>*Prerequisites:</i> ADS R101	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 and Underage Drinking: A Collective Responsibility	3.0
ADS R123 Alcohol, Drug Addition & Trauma	3.0
<b>Total Required Major Units</b>	<b>21.0</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Free Electives Required	+ 10.0
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## ADDICTIVE DISORDERS STUDIES IN THE CRIMINAL JUSTICE SYSTEM

**Associate in Science Degree  
Certificate of Achievement**

The Addictive Disorders Studies in the Criminal Justice System program prepares students to enter the field of treatment providers 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 degree 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 including Certified Addictions Treatment Counselor (CATC) through the Addiction Counselor Certification Board of California (ACCBC). The ACCBC for CAADE is an autonomous authority that confers credentials, standards, and requirements for CAADE. Application forms and information can be found on their website at [www.accbc.org/catc/](http://www.accbc.org/catc/). For more information contact: Dr. Michael Webb (805) 678-5043 [mwebb@vcccd.edu](mailto:mwebb@vcccd.edu)

Required Core Courses		Units
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 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
↪ COT R190V	Occupational Cooperative Unpaid Work Experience	1.5
<b>-OR-</b>		
↪ COT R191V	Occupational Cooperative Paid Work Experience	1.5
<b>Total Required Major Units</b>		<b>31.5</b>
Oxnard College General Education Pattern		29.0
Double-Counted Units		0.0
Free Electives Required		<b>+</b> 0.0
<b>Total units required for the A.S. Degree</b>		<b>60.5</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



# AIR CONDITIONING & 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)*

Required Core Courses		Units
AC R010	Introduction to Air Conditioning & Refrigeration	3.0
AC R010L	Introduction to Air Conditioning & Refrigeration I Lab	2.0
AC R011L	Introduction to Air Conditioning & Refrigeration II Lab	2.0
	<i>*Prerequisites: AC R010L</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>*Corequisite: AC R050L</i>	
	<i>**Advisories: AC R010 and AC R010L or students should possess a strong understanding of air conditioning/refrigeration system operations.</i>	
AC R050L	Energy Auditing Lab	2.0
	<i>*Corequisite: AC R050</i>	
	<i>**Advisories: AC R010 and AC R010L or students should possess a strong understanding of air conditioning/refrigeration system operations.</i>	
<b>Total Required Major Units</b>		<b>29.0</b>
Oxnard College General Education Pattern		29.0
Double-Counted Units		0.0
Degree-Applicable Electives		+ 2.0
<b>Total units required for the A.S. Degree</b>		<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



**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 (805) 678-5042 [aainsworth@vccd.edu](mailto:aainsworth@vccd.edu)*

Required Core Courses		Units
AC R030	Airside Systems	3.0
AC R030L	Airside Systems Lab	<u>2.0</u>
<b>Total Required Units For the Award</b>		<b>5.0</b>



## AMERICAN SIGN LANGUAGE Certificate of Achievement

The Certificate of Achievement in American Sign Language is designed to meet the needs of students pursuing other degrees or certificates, or members of the community, who are interested in acquiring fluency in ASL for practical purposes. Now the third most studied modern language in the U.S., Oxnard College simultaneously recognizes this growing body of students interested in learning ASL and the high demand for bilingual workers spanning a broad range of industries in California and nationwide. A certificate demonstrating proficiency in ASL can be a highly marketable skill to give job seekers a competitive advantage when applying to enter a variety of occupations. The program equips students with the linguistic proficiency and cultural competency to interact with Deaf people at an intermediate proficiency level in their respective fields and throughout public spaces. Field experiences embedded within the coursework contribute to a greater understanding of and appreciation for the Deaf community, which prepares students to function effectively as allies within the workplace and in society. The certificate is made up of a series of four consecutive courses in the language and one Deaf Studies course.

★ The program can be completed within two years. It should be noted that a certificate alone is not adequate qualification to interpret professionally or to work within an ASL-related field. For students interested in careers working within the Deaf community, an Associate in Arts degree in Deaf Studies should be pursued. *For more information contact: Emily Zwaal (805) 678-5074 [ezwaal@vcccd.edu](mailto:ezwaal@vcccd.edu).*

Required Core Courses		Units
ASL R101	American Sign Language I	4.0
ASL R102	American Sign Language II <i>*Prerequisites: ASL R101</i>	4.0
ASL R103	American Sign Language III <i>*Prerequisites: ASL R102</i>	4.0
ASL R104	American Sign Language IV <i>*Prerequisites: ASL R103</i>	4.0
ASL R110	Introduction to Deaf Studies <i>*Prerequisites: ASL R102</i>	<u>3.0</u>
<b>Total Required Major Units</b>		<b>19.0</b>



## ANTHROPOLOGY

### Associate in Arts Degree

The Anthropology program at Oxnard College offers lower division courses in biological anthropology, cultural anthropology, linguistics, archaeology and other areas of focus in anthropology, such as gender, prehistory, cultural history and cross cultural communication. Anthropology is an excellent transfer major, as it is the general study of our species, Homo sapiens, human beings. These courses are widely accepted at four year institutions for a bachelor's degree in anthropology, as well as for several other 4 year degrees. Anthropology's central questions have to do with where humans came from, how they got where they are today, where they are going, what their nature is and how cultures vary. Anthropology students develop critical thinking skills, communication skills for a global setting, information literacy, ethics and aesthetic awareness, as anthropology is a holistic field. For more information contact: Dr. Linda LeValley Kama'ila (805) 678-5045 [lkamaila@vcccd.edu](mailto:lkamaila@vcccd.edu) OR Dr. Arion Melidonis (805) 678-5044 [amelidonis@vcccd.edu](mailto:amelidonis@vcccd.edu) .

#### Required Core Courses

Units

	ANTH R101/H Introduction to Biological Anthropology/Honors	3.0
	ANTH R102/H Cultural Anthropology/Honors	3.0
	ANTH R103 Introduction to Archaeology	3.0
-or-		
↩	ANTH R115 Introduction to Language and Culture	3.0

#### Required Additional Courses:

Select a minimum of 9 units from the following or from courses not taken from List Above:

ANTH R101L	Introduction to Biological Anthropology Laboratory <i>*Prerequisites: ANTH R101 or concurrent enrollment</i>	1.0
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/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 R116	Science, Technology, and Human Values	3.0
ANTH R118	Introduction to Forensic Science	3.0
ANTH R119	Introduction to Border Studies (BRS R101)	3.0
GLST R101	Introduction to Global Studies	3.0
MATH R105/H	Introductory Statistics/Honors <i>*Prerequisites: MATH R005, MATH R014, MATH R014B, MATH R015, MATH R032, MATH R033 or placement determined by the college's multiple measures assessment process.</i>	4.0
PHIL R108	World Mythology	3.0
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101/H, MATH R005, MATH R014, MATH R014B, MATH R015, MATH R032, MATH R033 or placement determined by the college's multiple measures assessment process.</i>	3.0
URBS R101	Introduction to Urban Studies	3.0

<b>Total Required Major Units</b>	<b>18-19</b>
Oxnard College General Education	29
Double-Counted Units	-(6-12)
Free Electives Required	<b>+ 18-24</b>
<b>Total units required for the AA Degree</b>	<b>60.0</b>



## ANTHROPOLOGY

### Associate in Arts Degree 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. *For more information contact: Dr. Linda LeValley Kama'ila (805) 678-5045 [lkamalla@vcccd.edu](mailto:lkamalla@vcccd.edu) OR Dr. Arion Melidonis (805) 678-5044 [amelidonis@vcccd.edu](mailto:amelidonis@vcccd.edu) .*

Required Core Courses		Units
ANTH R101/H	Introduction to Biological Anthropology/Honors	3.0
ANTH R102/H	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 courses for a B.A. in Anthropology. CSU Channel Islands, Chico and Long Beach specifically require ANTH R115.*

ANTH R101L	Introduction to Biological Anthropology Laboratory <i>*Prerequisites: ANTH R101 or concurrent enrollment</i>	1.0
ANTH R115	Introduction to Language and Culture	3.0
MATH R105/H	Introductory Statistics/Honors <i>*Prerequisites: MATH R005, MATH R014, MATH R014B, MATH R015, MATH R032, MATH R033 or placement determined by the college's multiple measures assessment process.</i>	4.0
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101/H, MATH R005, MATH R014, MATH R014B, MATH R015, MATH R032, MATH R033 or placement determined by the college's multiple measures assessment process.</i>	3.0
SOC R125	Statistics for the Behavioral and Social Sciences <i>*Prerequisites: MATH R005, MATH R014, MATH R014B, MATH R015, MATH R032, MATH R033 or placement determined by the college's multiple measures assessment process.</i>	3.0

#### **LIST B:**

**Sciences 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 <i>*Prerequisites: ENGL R097 and BIOL R101</i> <i>-Or-</i> <i>BIOL R101H and BIOL R101L and MATH R005, MATH R014, MATH R014B, MATH R015, MATH R032, or MATH R033</i>	4.0
ANTH R116	Science, Technology, and Human Values	3.0
SOC R111	Introduction to Social Research <i>*Prerequisites: SOC R111 or SOC R101H</i>	3.0
GEOG R106	Introduction to Geographic Information Systems and Techniques	3.0
GEOL R101/L	Physical Geology AND *Physical Geology Lab <i>*Prerequisites: GEOL R101 or concurrent enrollment</i>	3.0 + 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 Americans	3.0
ANTH R114	African American Culture and Experience	3.0
ANTH R118	Introduction to Forensic Science	3.0
ANTH R119	Introduction to Border Studies (A.K.A. BRS R101)	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
	<b>**Advisories: ENGL R096</b>	
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>18-19</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(9-18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 12-23</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## ART HISTORY

### Associate in Arts Degree 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. *For more information, contact: Dr. Rainer Mack (805) 678-5181 [rmack@vcccd.edu](mailto:rmack@vcccd.edu)*

Required Core Courses		Units
ART R102	Western Art I: Prehistory through the Middle Ages <b>**Advisories: ENGL R101</b>	3.0
ART R103	Western Art II: Renaissance to Contemporary	3.0
ART R106A	Drawing and Composition I	3.0
<b>LIST A:</b>		
Select <b>one</b> course from the following (3 units)		
ART R172	Art of the Ancient Americas	3.0
<b>LIST B:</b>		
Select <b>one</b> course from the following (3 units)		
ART R104A	Color and Design: 2-D Foundations	3.0
ART R108A	Beginning Oil Painting	3.0
ART R1110A	Beginning Acrylic Painting	3.0
ART R126A	Life Drawing I <b>*Prerequisites: ART R106A</b>	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
<b>LIST C:</b>		
Select <b>one</b> (3 units) Any course from List B not already selected above		
ART R110A	Beginning Acrylic Painting	3.0
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 <b>*Prerequisites: ART R104A</b>	3.0
ART R155	Beginning Sculpture	3.0
ART R170	Introduction to Women in Art: Woman as Artist; Woman's Image	3.0
ART R171	Survey of Modern Art	3.0
FTVE R107	History of Film	3.0
MUS R116	History of Rock Music	3.0
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 R113	Ancient Civilizations of the America	3.0
ANTH R114	African American Culture and Experience	3.0
ANTH R115	Introduction to Language and Culture	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	3.0
	*ENGL R105	English Literature II	3.0
	*ENGL R107	American Literature I	3.0
	*ENGL R108	American Literature II	3.0
	*ENGL R111	Shakespeare	3.0
	*ENGL R112	Literature by Women	3.0
	*ENGL R124	Introduction to LGBTIQ Literature <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	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	
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 <i>** Advisories: ENGL R096</i>	3.0	
SPAN R101	Elementary Spanish 1	5.0	
SPAN R102	Elementary Spanish 2 <i>* Prerequisite: SPAN R101 or placement as determined by the college's multiple measures assessment process</i>	5.0	
SPAN R103	Intermediate Spanish 1 <i>* Prerequisite: SPAN R102</i>	5.0	
SPAN R104	Intermediate Spanish 2 <i>* Prerequisite: SPAN R103</i>	5.0	
SPAN R140	Spanish for Heritage Speakers 1 <i>** Advisories: SPAN R102</i>	5.0	
SPAN R141	Spanish for Heritage Speakers 2 <i>* Prerequisite: SPAN R140</i>	5.0	
URBS R101	Introduction to Urban Studies	3.0	
<b>Total Required Major Units</b>			<b>18-20</b>
CSU General Education <i>or</i> IGETC Pattern			37-39
Double-Counted Units			-(9-12)
Electives (CSU Transferable units needed to reach 60) <b>+</b>			10-17
<b>Total units required for the AAT Degree</b>			<b>60.0</b>



## 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 (805) 678-5047*  
[jortega@vcccd.edu](mailto:jortega@vcccd.edu)

Required Core Courses		Units
AB R005A	Auto Body Painting and Refinishing I	2.0
AB R005B	Auto Body Painting and Refinishing II	<u>4.0</u>
<i>*Prerequisites: AB R005A</i>		
<b>Total Required Units For the Award</b>		<b>6.0</b>



## **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 (805) 678-5047 [jortega@vcccd.edu](mailto:jortega@vcccd.edu)*

<b>Required Core Courses</b>		<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>		
<b>Total Required Units For the Award</b>		<b>8.0</b>



# AUTOMATION & 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 (805) 678-5042 [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu)*

Required Core 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>*Prerequisite: AC R020L</i>		
ACS R100    Automation and Control Systems	4.0	
<i>*Prerequisites: AC R020 and AC R020L and AC R021L</i>		
ACS R110    Programmable Logic Controllers (PLCs)	4.0	
<i>*Prerequisites: AC R020 and AC R020L and AC R021L</i>		
	CNIT R120    Cisco CCNA Computer Networking I	4.0
	<i>-or-</i>	
	CNIT R144    CompTIA Security+ Fundamentals and Certification Prep	4.0
<b>Total Required Major Units</b>		<b>19.0</b>
Oxnard College General Education Pattern		29.0
Double-Counted Units		0.0
Degree-Applicable Electives (needed to reach 60 units)		<b>+12.0</b>
<b>Total units required for the A.S. Degree</b>		<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



# 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 (805) 678-5047 [jortega@vcccd.edu](mailto:jortega@vcccd.edu)

Required Core Courses		Units
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

Required additional courses		
Complete a minimum of one course from the following:		
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: AT R01</i>	3.0
AT R015	Automotive Electrical Systems <i>*Corequisites: AT R015L</i> <i>**Advisories: AT R010</i>	4.0

<b>Total Required Major Units</b>	<b>24-26</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Degree-Applicable Electives (needed to reach 60 units)	<b>+</b> 5-7
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## **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-stripping. *For more information contact: Jose Ortega (805) 678-5047*  
[jortega@vcccd.edu](mailto:jortega@vcccd.edu)

<b>Required Core Courses</b>		<b>Units</b>
AB R007A	Automotive Graphics	2.0
AB R007B	Advanced Automotive Graphics	<u>4.0</u>
<i>*Prerequisites: AB R007A</i>		
<b>Total Required Units For the Award</b>		<b>6.0</b>



# 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 (805) 678-5890 [rwilliams@vcccd.edu](mailto:rwilliams@vcccd.edu)*

Required Core Courses		Units
AT R010	Fundamentals of Auto Technology <b>**Advisories: AT R011</b>	3.0
AT R011	Foundations of Automotive Technology <b>**Advisories: AT R010</b>	3.0
AT R013	Automotive Engine Performance <b>*Corequisites: AT R013L</b> <b>**Advisories: AT R010</b>	4.0
AT R013L	Automotive Engine Performance Lab <b>*Corequisites: AT R013</b> <b>**Advisories: AT R010</b>	2.0
AT R015	Automotive Electrical Systems <b>*Corequisites: AT R015L</b> <b>**Advisories: AT R010</b>	4.0
AT R015L	Automotive Electrical Systems Lab <b>*Corequisites: AT R015</b> <b>**Advisories: AT R010</b>	2.0
AT R016	Auto Electronics <b>*Prerequisites: AT R015 and R015L</b> <b>**Advisories: AT R010</b>	3.0
AT R018	Automotive Brake Systems <b>*Corequisites: AT R018L</b> <b>**Advisories: AT R010</b>	4.0
AT R018L	Automotive Brake Systems Lab <b>*Corequisites: AT R018</b>	2.0
AT R033	Automotive Emission and Fuel Control Systems <b>**Advisories: AT R010</b>	4.0
AT R050	Automotive Steering and Suspension	6.0

### Required additional courses (minimum 5 units)

Complete a minimum of **five units** from the following:

AT R012	Automotive Air Conditioning <b>**Advisories: AT R010</b>	2.0
AT R014	Advanced Engine Performance <b>*Prerequisites: AT R013</b> <b>**Corequisites: AT R014L</b>	4.0
AT R014L	Advanced Engine Performance Lab <b>*Prerequisites: AT R013</b> <b>**Corequisites: AT R014</b>	2.0
AT R026	Automotive Engine Overhaul <b>*Corequisites: AT R026L</b>	4.0



	<b>** Advisories: AT R010</b>	
AT R026L	Automotive Engine Overhaul Lab	2.0
	<b>*Corequisites: AT R026</b>	
	<b>** Advisories: AT R010</b>	
AT R030	Automotive Transmissions and Drive Line	3.0
	<b>*Corequisites: AT R030L</b>	
	<b>** Advisories: AT R010</b>	
AT R030L	Automotive Transmissions and Drive Line Lab	2.0
	<b>*Corequisites: AT R030</b>	
	<b>** Advisories: AT R010</b>	
AT R048	Smog Check Procedures	3.0
	<b>** Advisories: AT R013 and AT R013L and AT R033</b>	
AT R060	Automotive Business Management	6.0
		<hr/>
	<b>Total Required Major Units</b>	<b>42-43</b>
	Oxnard College General Education Pattern	29.0
	Double-Counted Units	0.0
	Free Electives Required	<b>+</b> 0.0
	<b>Total units required for the A.S. Degree</b>	<b>71-72</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## BAKING & 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: Adam Hart (805) 678-5267 [ahart@vcccd.edu](mailto:ahart@vcccd.edu)*

Required Core Courses		Units
CRM R103A	Institutional Food Production <i>*Prerequisites: CRM R102A</i>	6.0
CRM R103B	Advanced Pastry <i>*Prerequisites: CRM R103A</i>	3.5
CRM R104	Sanitation & Environmental Control	<u>3.0</u>

**Total Required Units For the Award      12.5**



## BIOLOGY

### Associate in Arts Degree

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. **University of California**

**Limitation on Transfer of Biology Courses** The UC will give credit for only one Biology series: BIOL R101 + R101L or BIOL R120 + R120L. No credit will be given for BIOL R101 + R101L if taken after R120 + R120L. For more information contact: Dr. Michael Nicholson (805) 678-5197 [mnicholson@vcccd.edu](mailto:mnicholson@vcccd.edu)

Required Core Courses		Units
BIOL R120	Principles of Biology I <i>*Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i> <i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	4.0
BIOL R120L	Principles of Biology I Lab <i>*Prerequisites: BIOL R120 or concurrent enrollment</i>	1.0
BIOL R122	Principles of Biology II <i>* Prerequisites: BIOL R120 and BIOL R120L and ENGL R100 or ENGL R101 or ENGL R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or placement as determined by the college's multiple measures assessment process</i>	4.0
BIOL R122L	Principles of Biology II Lab <i>* Prerequisites: BIOL R120 and BIOL R120L and BIOL R122 or concurrent enrollment</i>	1.0
CHEM R120	General Chemistry I <i>* Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>* Prerequisites: CHEM R120</i>	5.0
MATH R105	Introductory Statistics <i>* Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0

#### Required Additional Courses:

Minimum of 4 units from:

BIOL R100	Marine Biology (aka MST R100) <i>**Advisories: ENGL R095 and ENGL R097 or ENGL R101 or placement based on multiple measurements assessments</i>	3.0
BIOL R100L	Marine Biology Laboratory (aka MST R100L) <i>* Prerequisites: BIOL R100</i> <i>**Advisories: ENGL R095 and ENGL R097 or ENGL R101 or placement based on multiple measurements assessments</i>	1.0
BIOL R170	Biological Marine Resource Management <i>* Corequisites: GEOL R178 (same as MST R178)</i>	1.0
BIOL R199	Directed Studies in Biology <i>* Prerequisites: BIOL R101 and BIOL R101L</i>	1-3



CHEM R130	Organic Chemistry I <i>* Prerequisites: CHEM R122</i>	5.0
ESRM R100	Introduction to Environmental Science <i>**Advisories: ENGL R101 or ENGL R101H</i>	3.0
MATH R120	Calculus with Analytic Geometry I <i>* Prerequisites: MATH R115 or MATH R116 or MATH R117 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
MICR R100	Principles of Microbiology <i>*Prerequisites: CHEM R104 or CHEM R110 or CHEM R112 or CHEM R120 or BIOL R120 and BIOL R120L and ANAT R101 and PHSO R101 and MATH R015 or MATH R005 or MATH R014 or MATH R014B or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	3.0
MICR R100L	Principles of Microbiology Lab <i>* Prerequisites: MICR R100 or concurrent enrollment</i>	2.0
MST R160	Introduction to Research in Natural Resource Management <i>* Prerequisites: ESRM R100</i> <i>**Advisories: BIOL R100 and BIOL R100L; or BIOL R101 or BIOL R101H and BIOL R101L or CHEM R104; or GEOG R101 and GEOG R101L or GEOL R101 and GEOL R101L or GEOL R103 or GEOL R103L; or MST R100 and MST R100L or MST R103 and MST R103L or PHYS R101 and PHYS R101L or PHYS R121</i>	4.0
PHSO R101	Human Physiology <i>*Prerequisites: ANAT R101 and CHEM R104 or CHEM R110 and ENGL R097 and MATH R005 or MATH R014 or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
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 R121	Physics with Calculus I <i>* Prerequisites: MATH R120</i>	5.0

<b>Total Required Major Units</b>	<b>28</b>
Oxnard College General Education	29
Double-Counted Units	-(9)
Free Electives Required	<b>+</b> 12
<b>Total units required for the AA Degree</b>	<b>60.0</b>



## BIOLOGY

### Associate in Science Degree 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. **University of California**

**Limitation on Transfer of Biology Courses** The UC will give credit for only one Biology series: BIOL R101 + R101L or BIOL R120 + R120L. No credit will be given for BIOL R101 + R101L if taken after R120 + R120L. For more information contact: Dr. Michael Nicholson (805) 678-5197 [mnicholson@vcccd.edu](mailto:mnicholson@vcccd.edu)

Required Core Courses		Units
BIOL R120	Principles of Biology I <i>*Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i> <i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	4.0
BIOL R120L	Principles of Biology I Lab <i>*Prerequisites: BIOL R120 or concurrent enrollment</i>	1.0
BIOL R122	Principles of Biology II <i>*Prerequisites: BIOL R120 and BIOL R120L and ENGL R100 or ENGL R101 or ENGL R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or placement as determined by the college's multiple measures assessment process</i>	4.0
BIOL R122L	Principles of Biology II Lab <i>*Prerequisites: BIOL R120 and BIOL R120L and BIOL R122 or concurrent enrollment</i>	1.0

#### LIST A: (15 UNITS)

CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</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 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	5.0

#### Select one Physics Sequence (10 units)

##### Sequence 1:

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

-or-



**Sequence 2:**

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: MATH R121 and PHYS R131</i>	<u>5.0</u>

<b>Total Required Major Units</b>	<b>35.0</b>
CSU General Education <i>or</i> IGETC Pattern	31-33
Double-Counted Units	-(10)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 2-4
<b>Total units required for the AST Degree</b>	<b><u>60.0</u></b>



## BUSINESS

### Associate in Arts Degree

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: Timothy Fontenette (805) 678-5266 [tfotenette@vcccd.edu](mailto:tfotenette@vcccd.edu)*

Required Core Courses		Units
ACCT R101	Financial Accounting <i>**Advisories: BUS R001</i>	3.0
ACCT R102	Managerial Accounting <i>*ACCT R101 or ACCT R101H</i>	3.0
ECON R101	Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0

**Required Additional Courses:**  
Choose **one** Information Technology Course

CAOT R122	Microsoft Office <i>**Advisories: CIS R020A</i>	3.0
<i>-or-</i>		
CIS R100	Introduction to Computer Information Systems	3.0

Choose one Mathematics Course

MATH R106	Business Calculus <i>*Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R033 or placement as determined by the college's multiple measures assessment process</i> <i>**Advisories: MATH R115</i>	4.0
<i>-or-</i>		
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 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	3.0
MATH R105	Introductory Statistics <i>*MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0

<b>Total Required Major Units</b>	<b>22-24</b>
Oxnard College General Education	29
Double-Counted Units	-(9)
Free Electives Required	<b>+ 16-18</b>
<b>Total units required for the AA Degree</b>	<b>60.0</b>



## BUSINESS ADMINISTRATION

### Associate in Science Degree 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: Timothy Fontenette (805) 678-5266 [tfotenette@vcccd.edu](mailto:tfotenette@vcccd.edu)*

Required Core Courses		Units
ACCT R101	Financial Accounting <b>**Advisories: BUS R001</b>	3.0
ACCT R102	Managerial Accounting <b>*ACCT R101 or ACCT R101H</b>	3.0
BUS R111	Business Law	3.0
ECON R101	Introduction to the Principles of Macroeconomics <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</b>	3.0
ECON R102	Introduction to the Principles of Microeconomics <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</b>	3.0

#### LIST A:

MATH R105	Introductory Statistics <b>*MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	4.0
MATH R106	Business Calculus <b>*Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</b> <b>**Advisories: MATH R115</b>	4.0

#### LIST B: (6-7 UNITS)

Select **2** courses with no more than one course from each Category (**6-7** units)

##### Category 1 Mathematics

Any course from List A not already chosen	4.0
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##### Category 2 Business

BUS R120	Introduction to Business	3.0
BUS R140	Business Communication	3.0

##### Category 3 Business Information Systems

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



<b>Total Required Major Units</b>	<b>25-26</b>
CSU General Education <i>or</i> IGETC Pattern	38-41
Double-Counted Units	-(9)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 2-6
<b>Total units required for the AST Degree</b>	<b>60.0</b>



## BUSINESS MANAGEMENT

### Associate in Science Degree Certificate of Achievement

This program will prepare students to compete for management positions within an organization. These positions would include responsibilities for formulating and implementing policies, employee relations, long-range planning, and overseeing the work of other levels within the organization. Through coursework with an interdisciplinary focus, students will explore market trends and topics in workplace diversity, leadership, time management and social skills. Program-wide emphasis is placed on the importance of teamwork, strength leadership and global mindsets. Students will partner with prospective peers to complete presentations on subjects such as consumer behavior, globalization, human capital and organizational culture. *For more information contact:*

Timothy Fontenette (805) 678-5266 [tfotenette@vcccd.edu](mailto:tfotenette@vcccd.edu)

#### Required Core Courses Units

ACCT R101	Financial Accounting <b>**Advisories: BUS R001</b>	3.0
BUS R100	Introduction to Entrepreneurship	1.0
BUS R103	Business Mathematics	3.0
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 R132	Marketing	3.0
BUS R140	Business Communications	3.0

#### Complete a minimum of 3 units from the following courses:

BUS R124	Organizational Behavior	3.0
BUS R125	Personal Finance	3.0
BUS R134	Marketing for Small Business	2.0
BUS R135	Social Media Marketing	1.5
CIS R100	Introduction to Computer Information Systems	3.0
COMM R101	Introduction to Oral Communication <b>**Advisories: ENGL R101</b>	3.0
ECON R101	Introduction to the Principles of Macroeconomics <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</b>	3.0
ECON R102	Introduction to the Principles of Microeconomics <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</b>	3.0

<b>Total Required Major Units</b>	<b>28.0</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	-(0-3)
Degree-Applicable Electives	<b>+ 3-6</b>
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## 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. The Chemistry program offers two Associate degrees: Associate in Arts (A.A.) AND Associate in Science (A.S.). The courses in this program can prepare students to transfer to Bachelor of Arts or Bachelor of Science degree programs in Chemistry. To earn an Associate degree with a major in Chemistry, students must complete the core courses listed below, plus general education degree requirements. These major requirements help prepare students for upper-division course work for bachelor degrees and advanced degrees in chemistry offered by four-year institutions. Since the course work in chemistry is sequential, students may spend less time earning an associate degree by giving priority to the requirements for a major in chemistry. Earning an Associate degree in Chemistry suggests an achievement of technical skills that may be helpful in seeking immediate employment. Universities differ slightly in requirements for the Bachelor of Arts degree in Chemistry and the Bachelor of Science degree in Chemistry or Biochemistry. The Counseling Department or a member of the Science Department faculty can help students plan their coursework at Oxnard College so students have a smooth transition to the university of his or her choice. Students are advised to refer to the official articulation agreements on [www.assist.org](http://www.assist.org) for the most current requirements of their intended transfer institution. For more information contact: Yong Ma (805) 678-5053 [yma@vcccd.edu](mailto:yma@vcccd.edu) OR Dr. Anna Toy-Palmer (805) 678-5205 [atoypalmer@vcccd.edu](mailto:atoypalmer@vcccd.edu)

Required Core Courses		Units
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
MATH R120	Calculus with Analytic Geometry <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	5.0

#### Required Additional Courses:

Complete a minimum of **5 units** from:

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



<b>Total Required Major Units</b>	<b>30</b>
Oxnard College General Education	29
Double-Counted Units	-(6)
Free Electives Required	<b>+</b> 7
<b>Total units required for the AA Degree</b>	<b>60.0</b>



## CHEMISTRY

### Associate in Science 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. The Chemistry program offers two Associate degrees: Associate in Arts (A.A.) AND Associate in Science (A.S.). The courses in this program can prepare students to transfer to Bachelor of Arts or Bachelor of Science degree programs in Chemistry. To earn an Associate degree with a major in Chemistry, students must complete the core courses listed below, plus general education degree requirements. These major requirements help prepare students for upper-division course work for bachelor degrees and advanced degrees in chemistry offered by four-year institutions. Since the course work in chemistry is sequential, students may spend less time earning an associate degree by giving priority to the requirements for a major in chemistry. Earning an Associate degree in Chemistry suggests an achievement of technical skills that may be helpful in seeking immediate employment. Universities differ slightly in requirements for the Bachelor of Arts degree in Chemistry and the Bachelor of Science degree in Chemistry or Biochemistry. The Counseling Department or a member of the Science Department faculty can help students plan their coursework at Oxnard College so students have a smooth transition to the university of his or her choice. Students are advised to refer to the official articulation agreements on [www.assist.org](http://www.assist.org) for the most current requirements of their intended transfer institution. For more information contact: Yong Ma (805) 678-5053 [yyma@vcccd.edu](mailto:yyma@vcccd.edu) OR Dr. Anna Toy-Palmer (805) 678-5205 [atoypalmer@vcccd.edu](mailto:atoypalmer@vcccd.edu)

Required Core Courses		Units
CHEM R120	General Chemistry I <i>* Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>* Prerequisites: CHEM R120</i>	5.0
CHEM R130	Organic Chemistry I <i>* Prerequisites: CHEM R122</i>	5.0
CHEM R132	Organic Chemistry II <i>* Prerequisites: CHEM R130</i>	5.0
MATH R120	Calculus with Analytic Geometry I <i>* Prerequisites: MATH R115 or MATH R116 or MATH R117 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
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: MATH R121 and PHYS R131</i>	5.0
<b>Total Required Major Units</b>		<b>40</b>
Oxnard College General Education		29
Double-Counted Units		-(6)
Free Electives Required		+ 0.0
<b>Total units required for the AAT Degree</b>		<b>60.0</b>



## CHICANA/O STUDIES

### Associate in Arts Degree

The Chicana/o Studies Program was developed in response to the educational needs of Mexican American and Latino students attending Oxnard College. The program is designed to provide students with an awareness of the social, historical, psychological, and cultural realities of the Chicana/o in American society. An interdisciplinary program, Chicana/o Studies courses offer a Chicana/o perspective within the traditional disciplines of Sociology, History, Psychology, and Anthropology. The major mission of the Chicana/o Studies Program is to provide a curriculum of study that will help students understand and appreciate Chicana/o culture. *For more information contact: Dr. Linda Chaparro (805) 678-5096 [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu).*

Required Core Courses		Units
CHST R101	Introduction to Chicana/o Studies	3.0
CHST R102	Chicana/o Cultural Identity	3.0
SOC R108	Sociology of the Chicano Community	3.0

#### Restricted Electives - Choose a minimum of 9 units from the following:

CHST R107	History of Mexicans in the United States (HIST R107)	3.0
BRS R101	Introduction to Border Studies (ANTH R119)	3.0
SOC R103	Race and Ethnic Relations	3.0
ART R172	Art of the Ancient Americas	3.0
ART R174	Latin American Art	3.0
	<b>**Advisories ENGL R101</b>	
DANC R110A	Mexican Folklórico Dance I	2.0
DANC R110B	Mexican Folklórico Dance II	2.0
	<b>**Advisories: DANC R110A</b>	
HIST R109	History of Mexico	3.0
HIST R126	History of Latin America	3.0
MUS R109	Music of Latin America	3.0
MUS R126	Mariachi Ensemble	1.0
SPAN R103	Intermediate Spanish 1	5.0
	<b>*Prerequisite: SPAN R102</b>	
SPAN R104	Intermediate Spanish 2	5.0
	<b>*Prerequisite: SPAN R103</b>	
SPAN R117	Latin American Literature	3.0
	<b>*Prerequisite: SPAN R103 or SPAN R140 or placement as determined by the college's multiple measures assessment process</b>	
	<b>**Advisories: SPAN R104 or SPAN R141</b>	
SPAN R118	Latin American and Spanish Film	3.0
	<b>**Advisories: SPAN R103 or SPAN R140 or a score of 429 or above on the Spanish Assessment Test</b>	
SPAN R140	Spanish for Heritage Speakers 1	5.0
	<b>**Advisories: SPAN R102</b>	
SPAN R141	Spanish for Heritage Speakers 2	5.0
	<b>*Prerequisite: SPAN R140</b>	

<b>Total Required Major Units</b>	<b>18-20</b>
Oxnard College General Education	29
Double-Counted Units	-(6-12)
Free Electives Required	<b>+ 19-21</b>
<b>Total units required for the AA Degree</b>	<b>60.0</b>



## CHILD AND ADOLESCENT DEVELOPMENT

### Associate in Arts Degree 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 biophysical, 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		Units
ECE R102	Child Growth and Development	3.0
PSY R101	General Psychology	3.0

#### **Statistics:** Select **one** course

MATH R105	Introductory Statistics	4.0
SOC R125	Statistics for Behavioral and Social Sciences	3.0
PSY R103	Beginning Statistics for Behavioral Science	3.0

#### Select **3 courses** from the following 3 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 **2 courses (0-6 units)**

PSY R108	Developmental Psychology	3.0
BIOL R101	General Biology	3.0

##### **Group 3:** Select up to **2 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

**\*\*Advisories:** Fingerprint clearance

**\*\*\*Limitations:** Proof of two measles, mumps, rubella vaccines, or a blood test for measles immunity. If not immune, must receive one MMR vaccine. Proof of one Tdap in the last 10 years. Flu vaccine for the current year. Tuberculosis clearance within the last year (PPD or Quantiferon or chest x-ray).



ECE R112	Practicum in Early Childhood Education <i>*Prerequisites: ECE R102 and ECE R106 and ECE R111</i> <i>**Advisories: Fingerprint clearance</i> <i>***Limitations: A negative TB test or X-ray is required</i>	3.0
ECE R113	Programs for Infants and Toddlers <i>*Prerequisites: ECE R102</i>	3.0
ECE R129	Child Nutrition, Health and Safety	3.0
MATH R102	Mathematics for Elementary School Teachers <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
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 <i>**Advisories: ESL R048</i>	3.0
COMM R110	Small Group Communication	3.0

<b>Total Required Major Units</b>	<b>18-19</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(12-18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 15-23</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



**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 earned AS-T in Early Childhood Education will serve as a prerequisite for this proficiency award. 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. *For more information contact: Patricia Mendez (805) 678-5054 [pmendez@vcccd.edu](mailto:pmendez@vcccd.edu).*

Required Core Courses		Units
ECE R115	Administration I: Programs in Early Childhood Education <i>*Prerequisites: ECE R103</i>	3.0
ECE R116	Administration II: Personnel and Leadership in Early Childhood Education <i>*Prerequisites: ECE R115</i>	3.0
ECE R117	Adult Supervision/Mentor Teacher <i>*Prerequisites: ECE R112</i>	<u>2.0</u>
<b>Total Required Units For the Award</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. *For more information contact: Alex Lynch (805) 678-5061 [alynch@vcccd.edu](mailto:alynch@vcccd.edu).*

<b>Required Core Courses</b>		<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	4.0
<i>*Prerequisite: CNIT R120</i>		
<b>Total Required Units For the Award</b>		<b>11.0</b>



## COASTAL ENVIRONMENTAL STUDIES

### Associate in Science Degree

This degree focuses on the interaction between humans and the coastal environment including biological, physical, and economic impacts. Students will use the scientific method and an understanding of ecological principles to critically analyze information on the ways human activities affect the environment. The A.S. in Coastal Environmental Studies is primarily intended for students pursuing a Bachelor's of Science in Environmental Studies or Environmental Science at a UC after transfer. The requirements for the A.S. degree in Coastal Environmental Studies are satisfactory completion of 60 semester units of which 50 must be completed from the required major courses. The remaining units should be chosen from the general education degree requirements found in the Oxnard College catalog. Students who plan to transfer to a four-year university should consult closely with a counselor and consult the [www.assist.org](http://www.assist.org) website to determine which courses best fit their intended major and/or emphasis at the transfer institution. For more information contact: Dr. Shannon Newby (805) 678-5050 [snewby@vcccd.edu](mailto:snewby@vcccd.edu) OR Thomas O'Neil (805) 678-5076 [toneil@vcccd.edu](mailto:toneil@vcccd.edu).

Required Core Courses		Units
Life Science Requirements (8 - 10 units)		
Complete both Biology courses. Most transfer institutions also require the laboratory courses as part of the degree.		
BIOL R120	Principles of Biology I <i>*Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i> <i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	4.0
BIOL R120L	Principles of Biology I Lab: Intro to Cellular and Molecular Biology <i>* Prerequisites: BIOL R120 or concurrent enrollment</i>	1.0
BIOL R122	Principles of Biology II <i>*Prerequisites: BIOL R120 and BIOL R120L and ENGL R100 or ENGL R101 or ENGL R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or placement as determined by the college's multiple measures assessment process</i>	4.0
BIOL R122L	Principles of Biology II Lab <i>*Prerequisites: BIOL R120 and BIOL R120L and BIOL R122 or concurrent enrollment</i>	1.0
Chemistry Requirements (10 units)		
Complete both Chemistry courses. Please note that some transfer institutions also require the organic chemistry series.		
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
Earth Science Requirements (3 - 4 units)		
Complete the Physical Geology lecture course. If required by the intended transfer institution, complete the Geology lab.		
GEOL R101	Physical Geology	3.0
GEOL R101L	Physical Geology Lab <i>*Prerequisite: GEOL R101 or concurrent enrollment</i>	1.0
Economics Requirements (3 units)		
Choose the appropriate Economics course. Some transfer institutions require both ECON R101 and ECON R102.		
ECON R101/H	Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
ECON R102/H	Introduction to the Principles of Microeconomics/ Honors <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0



**Math Requirements (10 units)**

Complete both courses in Calculus. Please note that some transfer institutions also require statistics and/or additional math courses.

{	MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	5.0
	<b>-and-</b>		
	MATH R121	Calculus with Analytic Geometry II <i>*Prerequisites: MATH R120</i>	5.0

**Physics Requirements (10 - 15 units)**

Complete one PHYS series:

{	PHYS R121	Physics with Calculus 1 <i>*Prerequisites: MATH R120</i>	5.0
	<b>-and-</b>		
	PHYS R122	Physics with Calculus 2 <i>*Prerequisites: MATH R121 and MATH R121</i>	5.0
	<b>-or-</b>		
	PHYS R131	Physics for Scientists and Engineers 1 <i>*Prerequisites: MATH R120</i>	5.0
	<b>-and-</b>		
	PHYS R132	Physics for Scientists and Engineers 2 <i>*Prerequisites: MATH R121 and PHYS R131</i>	5.0
	<b>-and-</b>		
	PHYS R133	Physics for Scientists and Engineers 3 <i>*Prerequisites: MATH R122 and PHYS R132</i>	5.0

**Social Science Requirements (3 units)**

Select 3 units from the following. Some transfer institutions require POLS R100 or POLS R104 as well as 3 additional Social Science units from the remaining choices.

ANTH R102/H	Introduction to Cultural Anthropology / Honors	3.0
PHIL R102/H	Introduction to Ethics / Honors	3.0
POLS R100	Introduction to Politics	3.0
POLS R104	Introduction to International Relations	3.0
SOC R101/H	Introduction to Sociology / Honors	3.0
SOC R102	Social Problems	3.0

**Coastal Studies Electives (3 units)**

Select a minimum of 3 units of electives from the list below. Some transfer institutions require ESRM R100. Students should refer to ASSIST.org for guidance on course selection.

ESRM R100/H	Introduction to Environmental Science / Honors <i>**Advisories: ENGL R101 or ENGL R101H</i>	3.0
ESRM R100L	Introduction to Environmental Science Laboratory <i>*Prerequisites: ESRM R100 or concurrent enrollment</i>	
ESRM R160	Intro to Research in Natural Resource Mgmt (same as MST R160) <i>*Prerequisites: ESRM R100</i> <i>**Advisories: BIOL R100 and BIOL R100L or BIOL R101 or BIOL R100H and BIOL R100L or CHEM R104 or GEOG R101 and GEOG R101L or GEOL</i>	4.0



	<i>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</i>	
BIOL R100	Marine Biology (MST R100) <b>**Advisories: ENGL R095 and ENGL R097 or ENGL R101 or placement based on multiple measurements assessments</b>	3.0
BIOL R100L	Marine Biology Laboratory (MST R100L) <b>*Prerequisites: BIOL R100</b> <b>**Advisories: ENGL R095 and ENGL R097 or ENGL R101 or placement based on multiple measurements assessments</b>	1.0
BIOL R170	Biological Marine Resource Management (MST R170) <b>*Corequisites: GEOL R178 (MST R178)</b>	1.0
GEOL R103	Introduction to Oceanography (MST R103)	3.0
GEOL R103L	Oceanography Lab (MST R103L) <b>*Prerequisites: GEOL R103 (MST R103) or concurrent enrollment</b>	1.0
GEOL R178	Geological Marine Resource Management (MST R178) <b>*Corequisites: BIOL R170 (MST R170)</b>	
MST R199	Directed Studies in Marine-Related Topics <b>*Prerequisites: BIOL R100 and BIOL R100L or BIOL R101 or BIOL R101H and BIOL R101L or BIOL R120 and BIOL R120L or PHSO R101 or MICR R100 and MICR R100L or MST R100 and MST R100L</b>	1-3
<b>Total Required Major Units</b>		<b>50-58</b>
Oxnard College General Education		29
Double-Counted Units		-(12)
Free Electives Required		<b>+</b> 0
<b>Total units required for the A.S. Degree</b>		<b>67-75</b>



## COMMUNICATION STUDIES

### Associate in Arts Degree for Transfer

The Communication Studies major analyzes processes of communication, commonly defined as the sharing of symbols over distances in space and time. Hence, communication studies encompasses a wide range of topics and contexts ranging from face-to-face conversation to public speeches to mass media outlets such as television broadcasting and film studies. Communication Studies, as a discipline, is also interested in how audiences interpret information from the political, cultural, economic, and social dimensions of speech and language. There are many areas of specialization offered within the Communication Studies majors including Advertising, Public Relations, Journalism, Digital Media, Organizational Communication, Intercultural Communication, Interpersonal Communication, Rhetoric, and Media Studies. Studying communication will also enhance any career, but a few specific careers include business, public relations, human resources, law [after law school], advertising arts, teaching, social services, human services, and entertainment industries are all suited for graduates with a Communication Studies degree. Finally, students who are interested in the field of Communication Studies but do not wish to complete a Baccalaureate degree in the discipline may pursue a terminal two-year course of study. Such study will prepare them to understand diverse communication messages and practice excellent communication skills in a variety of settings. *For more information contact: Dr. Amy Edwards (805) 678-5102 [aedwards@vccd.edu](mailto:aedwards@vccd.edu)*

Required Core Courses		Units
COMM R101	Introduction to Oral Communication <i>*Advisories: ENGL R101</i>	3.0

<b>LIST A:</b>		
Select <b>two</b> of the following courses ( <b>6 units</b> ):		
COMM R107	Argumentation and Debate	3.0
COMM R111	Interpersonal Communication	3.0
COMM R110	Small Group Communication	3.0

<b>LIST B:</b>		
Select <b>two</b> of the following courses ( <b>6 units</b> ): Any course from list A not selected above		
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

<b>LIST C:</b>		
Select <b>one</b> of the following courses ( <b>3-4 units</b> ): Any course from List B not selected above		
ANTH R102/H	Introduction to Cultural Anthropology/ Honors	3.0
ENGL R102/H	Critical Thinking through Composition and Literature/ Honors	4.0
ENGL R128	Advanced Composition and Critical Thinking Through Non-Fiction	3.0
COMM R114	Introduction to Communication Research	3.0
<i>**Advisories: COMM R101</i>		

<b>Total Required Major Units</b>	<b>18-19</b>
CSU General Education <i>or</i> IGETC Pattern	39
Double-Counted Units	-(9-18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 12-21</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## 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: For more information, contact: Dr. Linda Chaparro (805) 678-5096 [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu).*

Required Core Courses		Units
PSY R116	Supportive Counseling and Interviewing	3.0
PSY R117	Introduction to Case Management for Mental Health and Human Services <i>*Prerequisite: PSY R116</i>	3.0
PSY R118	Psychiatric Rehabilitation and Mental Health Recovery	<u>3.0</u>
<b>Total Required Units For the Award</b>		<b>9.0</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, virtualization specialist, cloud based solution advisor and implementer, cybersecurity professional, and sales. The program offers an Associate in Science Degree or Certificate of Achievement in Computer Networking/IT as well as certification preparation in Cisco, CompTIA, and Microsoft. Students enrolled in the program receive significant discounts on CompTIA and Cisco certification exams as well as free software from Microsoft. 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 Microsoft Imagine Academy premium member. For more information contact: Alex Lynch (805) 678-5061 [alynch@vcccd.edu](mailto:alynch@vcccd.edu)

Required Core Courses		Units
CNIT R101	IT Essentials	3.0
CNIT R120	Cisco CCNA Computer Networking I	4.0
CNIT R121	Cisco CCNA Computer Networking II <i>**Prerequisite: CNIT R120</i>	4.0
CNIT R130	Administer Microsoft Windows Operating System <i>**Advisories: CNIT R101</i>	3.0
CNIT R145	CompTIA Security+ IT Security & Certification Preparation	3.0
CNIT R151	Cloud Computing and Virtualization <i>**Advisories: CNIT R101 or CNIT R120 or CNIT R142</i>	4.0

Required Additional Classes		Units
Complete a minimum of <b>9 units</b> from the following courses:		
CNIT R127	Wireless Networking Fundamentals	3.0
CNIT R131	Administer Microsoft Windows Server <i>**Advisories: CNIT R130</i>	3.0
CNIT R142	CompTIA A+ Technician and Certification Prep	4.0
CNIT R143	CompTIA Linux+ Fundamentals and Certification Preparation	3.0
CNIT R144	CompTIA Network+ Fundamentals and Certification Prep	4.0
CNIT R161	Programming Essentials in Python	3.0
CNIT R146	Cybersecurity: CompTIA PenTest+ <i>**Advisories: CNIT R145</i>	3.0

Students may take a maximum of <b>4 units</b> from the following		
COT R190V	Occupational Cooperative Unpaid Work Experience	1-4
<i>-or-</i>		
COT R191V	Occupational Cooperative Paid Work Experience	1-4

<b>Total Required Major Units</b>	<b>30-33</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Degree-Applicable Electives	<b>+</b> 0-1
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## 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: Adam Hart (805) 678-5267  
[ahart@vcccd.edu](mailto:ahart@vcccd.edu)

Required Core Courses		Units	
CRM R100	Principles of the Hospitality Industry	3.0	
CRM R101	Culinary Foundations	1.0	
CRM R102A	Institutional Food Production <i>*Prerequisites: CRM R104</i>	7.0	
CRM R102B	Institutional Food Production Management <i>*Prerequisites: CRM R102A</i>	4.0	
CRM R102C	Catering Techniques <i>*Prerequisites: CRM R102A</i>	3.0	
CRM R103A	Introduction to Baking Techniques <i>*Prerequisites: CRM R102A</i>	6.0	
CRM R104	Sanitation and Environmental Control	3.0	
CRM R105	Gourmet Restaurant Service <i>*Prerequisites: CRM R102B</i>	4.0	
CRM R106	Nutrition in Food Service	3.0	
CRM R107	Dining Room Service <i>*Prerequisites: CRM R100 and CRM R104</i>	2.5	
<div style="font-size: 2em; margin-left: -10px;"> </div>	<p><b>-and-</b> COT R190V</p> <p><b>-or-</b> COT R191V</p>	<p>Occupational Cooperative Unpaid Work Experience</p> <p>Occupational Cooperative Paid Work Experience</p>	<p>1-4</p> <p>1-4</p>
<b>Total Required Major Units</b>		<b>37.5-40.5</b>	
Oxnard College General Education Pattern		29.0	
Double-Counted Units		0.0	
Degree-Applicable Electives		<b>+</b> 0.0	
<b>Total units required for the A.S. Degree</b>		<b>66.5-69.5</b>	

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## **CYBERSECURITY**

**Proficiency Award**  
**(AWARDED BY THE DEPARTMENT)**

This award recognizes proficiency in cybersecurity including vulnerability testing, penetration testing, attack toolkits, cybersecurity defense, cybersecurity offense, and writing reports summarizing vulnerabilities and how to mitigate weaknesses. *For more information contact: Alex Lynch (805) 678-5061 [alynch@vcccd.edu](mailto:alynch@vcccd.edu).*

<b>Required Core Courses</b>		<b>Units</b>
CNIT R145	CompTIA Security+ IT Security & Certification Preparation	3.0
CNIT R146	Cybersecurity: CompTIA PenTest+ <i>**Advisories: CNIT R145</i>	3.0
<b>Total Required Units For the Award</b>		<b>6.0</b>



## DEAF STUDIES

### Associate in Arts Degree

The Associate in Arts in Deaf Studies degree prepares interested students for a multitude of careers working with Deaf and hard of hearing people in fields such as Deaf Studies, ASL/English Interpretation, Deaf Education and social services by providing the foundation needed in American Sign Language to pursue these programs at the university level. A series of four courses in the language and a Deaf Studies course comprise the core requisites of the degree, which can be completed in two years along with fulfillment of general education requirements. Field experiences embedded within the coursework provide a deeper exploration into the culture of the Deaf community, as well as the complex phonocentric and audist systems which marginalize and oppress deaf people in public spaces. This critical exploration will expand recognition of Deaf people as a unique cultural group and prepare students to effectively work with and engage deaf people in ways that support and empower the community.

★ It should be noted that this degree alone is not adequate qualification to interpret or to work within most ASL-related professions. At minimum, a Bachelor's degree is required to interpret, teach or work professionally with deaf children or adults in most fields. The A.A. in Deaf Studies will provide the necessary foundation to pursue these goals. *For more information contact: Emily Zwaal (805) 678-5074 [ezwaal@vcccd.edu](mailto:ezwaal@vcccd.edu).*

Required Core Courses		Units
ASL R101	American Sign Language I	4.0
ASL R102	American Sign Language II <i>*Prerequisites: ASL R101</i>	4.0
ASL R103	American Sign Language III <i>*Prerequisites: ASL R102</i>	4.0
ASL R104	American Sign Language IV <i>*Prerequisites: ASL R103</i>	4.0
ASL R110	Introduction to Deaf Studies <i>*Prerequisites: ASL R102</i>	3.0
<b>Total Required Major Units</b>		<b>19.0</b>
Oxnard College General Education		29.0
Double-Counted Units		-(6.0)
Free Electives Required		+ 18.0
<b>Total units required for the AA Degree</b>		<b>60.0</b>

**\*\*General Education** This A.S/A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## DEAF STUDIES

### Associate in Arts Degree

The Deaf Studies Associate in Arts degree will prepare students who wish to pursue careers working with Deaf people. This program will prepare students in the basics of ASL and Deaf culture, which form the lower division requirements for the Bachelor's degree in Deaf Studies at California State University, Northridge, the primary transfer institution for students pursuing ASL-related fields. Upon receiving a Bachelor's degree, students can work in a variety of fields: sign language interpreting, counseling, teaching deaf students, teaching ASL, teaching aides, government specialists, social service providers, and many others careers. Recent legislation and judicial directives have mandated communication access for Deaf people in the public and private sectors. Proficiency in ASL is a marketable skill and a valuable addition to any resume. *For more information contact Emily Zwaal [ezwaal@vcccd.edu](mailto:ezwaal@vcccd.edu).*

Required Core Courses		Units
ASL R101	American Sign Language 1	4.0
ASL R102	American Sign Language 2 <i>*Prerequisites: ASL R101</i>	4.0
ASL R103	American Sign Language 3 <i>*Prerequisites: ASL R102</i>	4.0
ASL R104	American Sign Language 4 <i>*Prerequisites: ASL R103</i>	4.0
ASL R110	Introduction to Deaf Studies <i>*Prerequisites: ASL R102</i>	3.0
<b>Total Required Major Units</b>		<b>19</b>
Oxnard College General Education		29
Double-Counted Units		6
Free Electives Required		+ 18
<b>Total units required for the A.A. Degree</b>		<b>60.0</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 new fully-equipped, on-site facility. For information contact: Dental Assisting Program (805) 678-5823 Armine Derdiarian, DDS – Coordinator.

Required Core Courses		Units
DA R010	Introduction to Dental Assisting <i>*Corequisites: DA R011 and DA R012 and DA R013 and DA R014 and DA R015</i> <i>**Advisories: High School Diploma or GED and ENGL R101 or ENGL R101H</i>	3.0
DA 011	Beginning Radiology for Dental Assisting <i>*Corequisites: DA R010 and DA R012 and DA R013 and DA R014 and DA R015</i> <i>**Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	3.0
DA R012	Dental Materials for Dental Assisting <i>*Corequisites: DA R010 and DA R011 and DA R013 and DA R014 and DA R015</i> <i>**Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	3.0
DA R013	Occupational Health for Dental Assisting <i>*Corequisites: DA R010 and DA R011 and DA R012 and DA R014 and DA R015</i> <i>**Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	1.0
DA R014	Introduction to Chairside Dental Assisting <i>*Corequisites: DA R010 and DA R011 and DA R012 and DA R013 and DA R015</i> <i>**Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	2.0
DA R015	Dental Specialties for Dental Assisting <i>*Corequisites: DA R010, DA R011, DA R012, DA R013, and DA R014</i> <i>**Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	2.0
DA R020	Advanced Dental Assisting <i>*Prerequisites: DA R010 and DA R011 and DA R012 and DA R013 and DA R014, and DA R015</i> <i>**Corequisites: DA R021 and DA R022 and DA R023 and DA R024 and DA R025</i> <i>***Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	2.0
DA R021	Practice Management for Dental Assisting <i>*Prerequisites: DA R010 and DA R011 and DA R012 and DA R013 and DA R014, and DA R015</i> <i>**Corequisites: DA R020 and DA R022 and DA R023 and DA R024 and DA R025</i> <i>***Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	3.0
DA R022	Clinical Dental Assisting Experiences <i>*Prerequisites: DA R010 and DA R011 and DA R012 and DA R013 and DA R014, and DA R015</i> <i>**Corequisites: DA R020 and DA R021 and DA R023 and DA R024 and DA R025</i> <i>***Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	3.0
DA R023	Ethics and Jurisprudence for Dental Assisting <i>*Prerequisites: DA R010 and DA R011 and DA R012 and DA R013 and DA R014 and DA R015</i> <i>**Corequisites: DA R020 and DA R021 and DA R022 and DA R024 and DA R025</i> <i>***Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	1.0
DA R024	Dental Assisting Seminar <i>*Prerequisites: DA R010 and DA R011 and DA R012 and DA R013 DA R014, and DA R015</i> <i>**Corequisites: DA R020 and DA R021 and DA R022 and DA R023 and DA R025</i> <i>***Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	2.0



DA R025	Dental Assisting Health Education <i>*Prerequisites: DA R010 and DA R011 and DA R012 and DA R013 DA R014, and DA R015</i> <i>**Corequisites: DA R020 and DA R021 and DA R022 and DA R023 and DA R024</i> <i>***Advisories: High school diploma or GED, and ENGL R101 or ENGL R101H</i>	2.0
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<b>Total Required Major Units</b>	<b>27.0</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Degree-Applicable Electives	<b>+ 4.0</b>
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

*\*\*General Education This A.S/A.A. degree requires completion of the Oxnard College General Education Pattern\*\**



## 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.. *For more information contact: Dental Hygiene Program (805) 678-5823 Armine Derdiarian, DDS – Coordinator.*

Dental Hygiene Program Recommendation		Units
CIS R020A	Introduction to Microcomputers (or equivalent)	3.0
Dental Hygiene Program Prerequisite Courses		
ANAT R101	General Human Anatomy <i>*Prerequisites: ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L and MATH R015 or MATH R005 or MATH R014 or MATH R033</i>	4.0
BIOL R101/H	General Biology/ Honors (or equivalent) <i>**Advisories: ENGL R095 and ENGL R097 or ENGL R100 or ENGL R101 or placement based on multiple measurements assessments</i>	3.0
BIOL R101L	General Biology Laboratory/ Honors (or equivalent) <i>*Prerequisites: BIOL R101 or BIOL R101H or concurrent enrollment **Advisories: MATH R002 or MATH R005 or MATH R015</i>	1.0
CHEM R110	Elementary Chemistry <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or 1 year high school algebra or equivalent or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R112	Elementary Organic and Biological Chemistry <i>*Prerequisites: CHEM R110 or CHEM R120</i>	5.0
COMM R101	Introduction to Oral Communication <i>**Advisories: ENGL R101</i>	3.0
DH R001	Pre-Dental Hygiene	1.0
ENGL R101/H	College Composition/ Honors	4.0
MATH R005	Beginning and Intermediate Algebra for Statistics and Liberal Arts	6.0
MATH R015	Beginning and Intermediate Algebra	6.0
<b>-or-</b>		
MATH R014	Intermediate Algebra <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures assessment process</i>	5.0
<b>-or-</b>		
MATH R014B	Intermediate Algebra II	2.5
<b>-or-</b>		
MATH R032	Intermediate Algebra for Non-STEM Majors <i>*Prerequisites: MATH R002 or MATH R011 or placement as determined by the college's multiple measures assessment process</i>	3.0
<b>-or-</b>		
MATH R033	Pathway to STEM <i>*Prerequisites: MATH R032 or placement as determined by the college's multiple measures assessment process</i>	2.0
MICR R100	Principles of Microbiology <i>*Prerequisites: CHEM R104 or CHEM R110 or CHEM R112 or CHEM R120 or BIOL R120 and BIOL R120L and ANAT R101 and PHSO R101 and MATH R015 or MATH R005 or MATH R014 or MATH R014B or MATH R033 or placement as determined by the college's multiple measures assessment process **Advisories: ENGL R101</i>	3.0





MICR R100L	Principles of Microbiology Lab <i>*Prerequisites:</i> MICR R100 or concurrent enrollment	2.0
PHSO R101	Human Physiology <i>*Prerequisites:</i> ANAT R101 <b>and</b> CHEM R104 <b>or</b> CHEM R110 <b>and</b> ENGL R097 <b>and</b> MATH R005 <b>or</b> MATH R014 <b>or</b> MATH R015 <b>or</b> MATH R032 <b>or</b> MATH R033 <b>or</b> placement as determined by the college's multiple measures assessment process	5.0
PSY R101	General Psychology	3.0
SOC R101	Introduction to Sociology	3.0
<b>-and-</b>		



**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

**Total Prerequisite Units: 41-42**

**Required Dental Hygiene Courses**

DH R010	Oral Biology for Dental Hygiene <i>*Prerequisites:</i> DH R001 and ANAT R101 and BIOL R101 or BIOL R101H and BIOL R101L and CHEM R110 and CHEM R112 and COMM R101 and ENGL R101 or ENGL R101H and MICR R100 and MICR R100L and PHSO R101 and PSY R101 and SOC R101 and MATH R014 or MATH R033; and one of the following: ANTH R102 or ANTH R102H or ANTH R114 or CHST R101 or ECE R107 or SJS R110 or SOC R103 or SOC R108 <i>**Corequisites:</i> DH R011 and DH R012 and DH R013 and DH R014 and DH R015 <i>***Advisories:</i> CIS R020A	3.0
DH R011	Oral Radiology for Dental Hygiene <i>*Prerequisites:</i> DH R001 and ANAT R101 and BIOL R101 or BIOL R101H and BIOL R101L and CHEM R110 and CHEM R112 and COMM R101 and ENGL R101 or ENGL R101H and MICR R100 and MICR R100L and PHSO R101 and PSY R101 and SOC R101 and MATH R014 or MATH R033; and one of the following: ANTH R102 or ANTH R102H or ANTH R114 or CHST R101 or ECE R107 or SJS R110 or SOC R103 or SOC R108 <i>**Corequisites:</i> DH R010 and DH R012 and DH R013 and DH R014 and DH R015 <i>***Advisories:</i> CIS R020A	3.0
DH R012	Head and Neck Anatomy for Dental Hygiene <i>*Prerequisites:</i> DH R001 and ANAT R101 and BIOL R101 or BIOL R101H and BIOL R101L and CHEM R110 and CHEM R112 and COMM R101 and ENGL R101 or ENGL R101H and MICR R100 and MICR R100L and PHSO R101 and PSY R101 and SOC R101 and MATH R014 or MATH R033; and one of the following: ANTH R102 or ANTH R102H or ANTH R114 or CHST R101 or ECE R107 or SJS R110 or SOC R103 or SOC R108 <i>**Corequisites:</i> DH R010 and DH R011 and DH R013 and DH R014 and DH R015 <i>***Advisories:</i> CIS R020A	2.5
DH R013	Dental Health Education Seminar for Dental Hygiene <i>*Prerequisites:</i> DH R001 and ANAT R101 and BIOL R101 or BIOL R101H and BIOL R101L and CHEM R110 and CHEM R112 and COMM R101 and ENGL R101 or ENGL R101H and MICR R100 and MICR R100L and PHSO R101 and PSY R101 and SOC R101 and MATH R014 or MATH R033; and one of the following: ANTH R102 or ANTH R102H or ANTH R114 or CHST R101 or ECE R107 or SJS R110 or SOC R103 or SOC R108 <i>**Corequisites:</i> DH R010 and DH R011 and DH R012 and DH R014 and DH R015 <i>***Advisories:</i> CIS R020A	1.0



DH R014	<p>Introduction to Dental Hygiene Practice</p> <p><b>*Prerequisites:</b> DH R001 and ANAT R101 and BIOL R101 or BIOL R101H and BIOL R101L and CHEM R110 and CHEM R112 and COMM R101 and ENGL R101 or ENGL R101H and MICR R100 and MICR R100L and PHSO R101 and PSY R101 and SOC R101 and MATH R014 or MATH R033; and one of the following: ANTH R102 or ANTH R102H or ANTH R114 or CHST R101 or ECE R107 or SJS R110 or SOC R103 or SOC R108</p> <p><b>**Corequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R015</p> <p><b>***Advisories:</b> CIS R020A</p>	3.0
DH R015	<p>Introduction to PreClinic/Clinic for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R001 and ANAT R101 and BIOL R101 or BIOL R101H and BIOL R101L and CHEM R110 and CHEM R112 and COMM R101 and ENGL R101 or ENGL R101H and MICR R100 and MICR R100L and PHSO R101 and PSY R101 and SOC R101 and MATH R014 or MATH R033; and one of the following: ANTH R102 or ANTH R102H or ANTH R114 or CHST R101 or ECE R107 or SJS R110 or SOC R103 or SOC R108</p> <p><b>**Corequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014</p> <p><b>***Advisories:</b> CIS R020A</p>	2.0
DH R020	<p>Local Anesthesia and Nitrous Oxide for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014 and DH R015</p> <p><b>**Corequisites:</b> DH R021 and DH R022 and DH R023 and DH R024 and DH R025</p>	2.0
DH R021	<p>General and Oral Pathology for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014 and DH R015</p> <p><b>**Corequisites:</b> DH R020 and DH R022 and DH R023 and DH R024 and DH R025</p>	4.0
DH R022	<p>Pharmacology for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014 and DH R015</p> <p><b>**Corequisites:</b> DH R020 and DH R021 and DH R023 and DH R024 and DH R025</p>	2.0
DH R023	<p>Dental Hygiene Clinical Practice I</p> <p><b>*Prerequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014 and DH R015</p> <p><b>**Corequisites:</b> DH R020 and DH R021 and DH R022 and DH R024 and DH R025</p>	3.0
DH R024	<p>Dental Hygiene Clinic Seminar I</p> <p><b>*Prerequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014 and DH R015</p> <p><b>**Corequisites:</b> DH R020 and DH R021 and DH R022 and DH R023 and DH R025</p>	3.0
DH R025	<p>Periodontics for Dental Hygiene I</p> <p><b>*Prerequisites:</b> DH R010 and DH R011 and DH R012 and DH R013 and DH R014 and DH R015</p> <p><b>**Corequisites:</b> DH R020 and DH R021 and DH R022 and DH R023 and DH R024</p>	2.0
DH R030	<p>Special Patients/Geriatrics for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R020 and DH R021 and DH R022 and DH R023 and DH R024 and DH R025</p> <p><b>**Corequisites:</b> DH R031 and DH R032 and DH R033 and DH R034 and DH R035 and DH R036</p>	1.0
DH R031	<p>Nutrition in Dentistry for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R020 and DH R021 and DH R022 and DH R023 and DH R024 and DH R025</p> <p><b>**Corequisites:</b> DH R030 and DH R032 and DH R033 and DH R034 and DH R035 and DH R036</p>	1.0
DH R032	<p>Dental Materials for Dental Hygiene</p> <p><b>*Prerequisites:</b> DH R020 and DH R021 and DH R022 and DH R023 and DH R024 and DH R025</p> <p><b>**Corequisites:</b> DH R030 and DH R031 and DH R033 and DH R034 and DH R035 and DH R036</p>	2.0
DH R033	<p>Dental Hygiene Clinic Seminar II</p> <p><b>*Prerequisites:</b> DH R020 and DH R021 and DH R022 and DH R023 and DH R024 and DH R025</p> <p><b>**Corequisites:</b> DH R030 and DH R031 and DH R032 and DH R034 and DH R035 and DH R036</p>	2.0



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

<b>Total Required Major Units</b>	<b>55.5</b>
Oxnard College General Education	29
Double-Counted Units	-(16)
Free Electives Required	<b>+</b> 0
<b>Total units required for the A.S. Degree</b>	<b>68.5</b>



## EARLY CHILDHOOD EDUCATION

### Associate in Science Degree 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 (805) 678-5054 [pmendez@vcccd.edu](mailto:pmendez@vcccd.edu).*

Required Core Courses		Units
ECE R100	Introduction to Curriculum for the Young	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>**Advisories: Fingerprint clearance</i>	
ECE R112	Practicum in Early Childhood Education	3.0
	<i>*Prerequisites: ECE R102 and ECE R106 and ECE R111</i>	
	<i>**Advisories: Fingerprint clearance</i>	
ECE R129	Child Nutrition, Health, and Safety	3.0
<b>Total Required Major Units</b>		<b>24</b>
CSU General Education <i>or</i> IGETC Pattern		38-41
Double-Counted Units		-(9)
Electives (CSU Transferable units needed to reach 60)		<b>+</b> 4-7
<b>Total units required for the AST Degree</b>		<b>60.0</b>



**EARLY CHILDHOOD EDUCATION  
ASSOCIATE TEACHER  
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 earned AS-T in Early Childhood Education will serve as a prerequisite for this proficiency award. 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. *For more information contact: Patricia Mendez (805) 678-5054 [pmendez@vcccd.edu](mailto:pmendez@vcccd.edu).*

Required Core 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
<i>*Prerequisites: ECE R100 and ECE R102</i>		
<i>**Advisories: Fingerprint clearance</i>		
<b>Total Required Units For the Award</b>		<b>12.0</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 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. **University of California Limitation on Transfer of Economics Courses The UC will not give credit for ECON R100 if taken after ECON R101 or ECON R102.** For more information contact: Dr. Ishita Edwards (805) 678-5060 [iedwards@vcccd.edu](mailto:iedwards@vcccd.edu).

Required Core Courses		Units
ECON R100	Introduction to Economics and Contemporary Economic Issues <b>**Advisories: ENGL R095 and ENGL R097 or equivalent</b>	3.0
ECON R101	Introduction to the Principles of Macroeconomics <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</b>	3.0
ECON R102	Introduction to the Principles of Microeconomics <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</b>	3.0
<b>Elective Courses: (9 units minimum)</b>		
Student must select at least <b>3 courses</b> from the following		
ACCT R101	Financial Accounting <b>**Advisories: BUS R001</b>	3.0
ACCT R102	Managerial Accounting <b>*Prerequisites: ACCT R101 or ACCT R101H</b>	3.0
ECON R199	Directed Studies in Economics (Research Project) <b>*Prerequisites: ECON R101 or ECON R101H and/or ECON R102 or ECON R102H</b>	1-3
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 <b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	4.0
MATH R106	Business Calculus <b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	4.0
MATH R120	Calculus with Analytical Geometry I <b>*Prerequisites: MATH R115 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</b>	5.0
PHIL R107	Introduction to Logic	3.0
PHIL R111	Critical Thinking and Analytic Writing	3.0
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/H	General Psychology/ Honors	3.0
SOC R101/H	Introduction to Sociology/ Honors	<u>3.0</u>

<b>Total Required Major Units</b>	<b>18-22</b>
Oxnard College General Education	37-39
Double-Counted Units	-(6-15)
Free Electives Required	<b>+ 9.0</b>
<b>Total units required for the A.A. Degree</b>	<b><u>60.0</u></b>



# ECONOMICS

## Associate in Arts Degree 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 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. **University of California Limitation on Transfer of Economics Courses The UC will not give credit for ECON R100 if taken after ECON R101 or ECON R102.** For more information contact: Dr. Ishita Edwards (805) 678-5060 [iedwards@vcccd.edu](mailto:iedwards@vcccd.edu).

Required Core Courses		Units
ECON R101	Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
MATH R105	Introductory Statistics <i>*Prerequisites: MATH R005 or 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
-and-		
MATH R106	Business Calculus <i>*Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R033 or placement as determined by the college's multiple measures assessment process</i> <i>**Advisories: MATH R115</i>	4.0
-or-		
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 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>*Prerequisite: SPAN R101 or placement as determined by the college's multiple measures assessment process</i>	5.0
SPAN R140	Spanish for Heritage Speakers 1 <i>**Advisories: SPAN R102</i>	5.0
SPAN R141	Spanish for Heritage Speakers 2 <i>*Prerequisite: SPAN R140</i>	5.0
MATH R121	Calculus with Analytical Geometry II <i>*Prerequisites: MATH R120</i>	5.0



ACCT R101	Financial Accounting <b>**Advisories: BUS R001</b>	3.0
CIS R100	Managerial Accounting	3.0
BUS R140	Business Communications	3.0

**LIST B:**

Select one of the following courses (3-5 units): Any course from List A not selected above

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

<b>Total Required Major Units</b>	<b>20-25</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	-(9-15)
Electives (CSU Transferable units needed to reach 60)	<b>+ 5-18</b>
<b>Total units required for the AAT Degree</b>	<b><u>60.0</u></b>



## 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 (805) 678-5042 [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu)*

Required Core 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>		
<b>Total Required Units For the Award</b>		<b>7.0</b>



## ELEMENTARY TEACHER EDUCATION

### Associate in Arts Degree 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. *For more information contact: Liberal Studies Division Office (805) 678-5804.*

Required Core Courses		Units
EDU R122	Introduction to Education	3.0
ECE R102	Child Growth and Development	3.0
BIOL R101	General Biology <b>**Advisories: ENGL R095 and ENGL R097 or ENGL R100 or ENGL R101 or placement based on multiple measurements assessments</b>	3.0
BIOL R101L	General Biology Laboratory <b>**Advisories: ENGL R095 and ENGL R097 or ENGL R100 or ENGL R101 or placement based on multiple measurements assessments</b>	1.0
PHSC R170	Concepts in Physical Science <b>*Prerequisites: MATH R005 or MATH R014 or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	4.0
GEOL R121	Earth Science with Lab	4.0
MATH R102	Mathematics for Elementary School Teachers <b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	4.0
COMM R101	Introduction to Oral Communication <b>**Advisories: ENGL R101</b>	3.0
ENGL R101/H	College Composition/Honors	4.0
ENGL R102/H	Critical Thinking through Composition and Literature/Honors <b>*Prerequisites: ENGL R101 or ENGL R101H</b>	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

#### **LIST A:**

Select **one** (3 Units):

ENGL R128	Advanced Composition and Critical Thinking Through Non-Fiction <b>*Prerequisites: ENGL R101 or ENGL R101H</b>	3.0
PHIL R111	Critical Thinking and Analytic Writing	3.0

#### **LIST B:**

Select **one** (3 Units):

ART R140	Multicultural Children's Art	3.0
ART R101	Introduction to Art and Visual Culture	3.0
MUS R103A	Music Appreciation	3.0
THTR R111	Introduction to Theatre	3.0



**LIST C: (Optional)**

Select required courses as appropriate for the intended transfer institution:

EDU R124	Teaching Literacy in Diverse Classrooms	3.0
ENGL R125	Children's Literature	3.0
	<i>*Prerequisites: ENGL R101 or ENGL R101H</i>	
HIST R104	History of California	3.0
MUS R130	Understanding Music and Dance for Elementary Education	<u>3.0</u>

<b>Total Required Major Units</b>	<b>51.0</b>
CSU General Education or IGETC Pattern	39
Double-Counted Units	-(33-36)
Electives (CSU Transferable units needed to reach 60)	<b>+ 3-6</b>
<b>Total units required for the AAT Degree</b>	<b><u>60.0</u></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 (805) 678-5072 [rmorris@vcccd.edu](mailto:rmorris@vcccd.edu).*

Required Core Courses		Units
EMT R109	Emergency Medical Responder	<u>3.0</u>
<b>Total Required Units For the Award</b>		<b>3.0</b>



## 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 (805) 678-5072 [rmorris@vcccd.edu](mailto:rmorris@vcccd.edu).*

Required Core Courses		Units
EMT R069	Emergency Medical Technician - Refresher	<u>1.5</u>
<b>Total Required Units For the Award</b>		<b>1.5</b>



## 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. Not Degree Applicable. *For more information contact: Robert Morris (805) 678-5072 [rmorris@vcccd.edu](mailto:rmorris@vcccd.edu).*

Required Core Courses		Units
EMT R169	Emergency Medical Technician <i>**Advisories: ENGL R085 and ENGL R087 and EMT R109</i>	<u>8.0</u>
<b>Total Required Units For the Award</b>		<b>8.0</b>



## 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 (805) 678-5042 [aainsworth@vccd.edu](mailto:aainsworth@vccd.edu)

Required Core Courses		Units
AC R050	Energy Auditing <i>*Prerequisites: AC R050L</i> <i>**Advisories: AC R010 and AC R010L or students with a strong understanding of air conditioning/refrigeration system operations.</i>	3.0
AC R050L	Energy Auditing Lab <i>*Prerequisites: AC R050</i> <i>**Advisories: AC R010 and AC R010L or students with a strong understanding of air conditioning/refrigeration system operations.</i>	2.0
<b>Total Required Units For the Award</b>		<b>5.0</b>



## ENGINEERING

### Associate in Science Degree

Engineers are significant and valuable members of our society that are relied upon to generally produce solutions through the utilization, design, and development of a plethora of technologies. With the increasingly high demand for qualified engineers in the workforce, this program allows those in the local community the opportunity to fill a vital role. Upon completion of the Associate in Science in Engineering, students will have obtained the skills and preparation necessary to transfer into an Engineering program at a four-year university, and ultimately seek employment as an engineer. Some graduates may also pursue entry-level positions in the engineering field. Students completing the program will be knowledgeable in aspects of engineering utilized in the many different fields of engineering along with a strong foundation in mathematics and physics; structural analysis, circuitry, CAD, programming, material composition, and general systems and applications of engineering in the modern world. Through group projects and laboratory assignments, students will also develop collaboration skills as well as practical hands on skills widely used in the fields of engineering such as, but not limited to; the use of oscilloscopes, electrical motor design and production, circuit building, structural design, strength testing, and generally analyzing the pertinent physical properties of a given system. *For more information contact: Justin Miller (805) 678-5094 [jwmiller@vcccd.edu](mailto:jwmiller@vcccd.edu).*

Required Core Courses		Units
ENGR R101	Introduction to Engineering	2.0
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 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 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: MATH R121 and PHYS R131</i>	5.0

#### Choose a minimum of one course from the following support courses as appropriate to satisfy requirements for the intended transfer institution (3-5 units minimum):

CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
CHEM R130	Organic Chemistry I <i>*Prerequisites: CHEM R122</i>	5.0
CHEM R132	Organic Chemistry II <i>*Prerequisites: CHEM R130</i>	5.0
MATH R134	Linear Algebra <i>*Prerequisites: MATH R121</i>	3.0
PHYS R133	Physics for Scientists and Engineers 3 <i>*Prerequisites: MATH R122 and PHYS R132</i>	5.0

#### Choose a minimum of four Engineering courses as appropriate to satisfy requirements of the intended transfer institution (8-12 units minimum):

ENGR R130	Engineering Statics <i>*Prerequisites: PHYS R131 and MATH R121</i>	3.0
ENGR R135	Dynamics	3.0



	<i>*Prerequisites: ENGR R130</i>	
ENGR R140	Materials Science and Engineering	3.0
	<i>*Prerequisites: PHYS R131 and CHEM R120</i>	
ENGR R140L	Materials Science and Engineering Lab	1.0
	<i>*Prerequisites: PHYS R131 and CHEM R120 and ENGR R140 or concurrent enrollment</i>	
ENGR R148	Programming and Problem-Solving in MATLAB	3.0
	<i>*Prerequisites: MATH R120</i>	
ENGR R150	Engineering Graphics and Design	3.0
	<i>*Prerequisites: MATH R116</i>	
ENGR R160	Electronic Circuits and Devices	3.0
	<i>*Prerequisites: MATH R143 and PHYS R132</i>	
ENGR R160L	Electronic Circuits and Devices Laboratory	1.0
	<i>*Prerequisites: ENGR R160 or concurrent enrollment</i>	

<b>Total Required Major Units</b>	<b>41-47</b>
Oxnard College General Education	29
Double-Counted Units	-(6)
Free Electives Required	<b>+</b> 0.0
<b>Total units required for the A.S. Degree</b>	<b>64-70</b>



## ENGLISH

### Associate in Arts Degree for Transfer

The English program offers a wide variety of courses 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. The English program offers multiple sections of degree-applicable and 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. UC Limitation on Transfer of English Courses: The UC limits credit for some English courses. See the UC Transfer Course Agreement page 81 or [www.assist.org](http://www.assist.org) for current limitations. UC Limitation on Transfer of English Courses: The UC limits credit for some English courses.. *For more information contact: Elissa Caruth [ecaruth@vcccd.edu](mailto:ecaruth@vcccd.edu).*

Required Core Courses		Units
ENGL R102	Critical Thinking through Composition and Literature <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	4.0

#### LIST A:

Required Additional Courses (**6 units**)

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

#### LIST B:

Two courses (**6 units**)

ENGL R107	American Literature I <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
ENGL R108	American Literature II <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0

#### LIST C:

Select one of the following courses (**3 units**)

ENGL R103	Creative Writing <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
ENGL R111	Shakespeare <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
ENGL R112	Literature by Women <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
ENGL R124	Introduction to LGBTIQ Literature <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0

<b>Total Required Major Units</b>	<b>19</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(9)
Electives (CSU Transferable units needed to reach 60)	<b>+ 11-13</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</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. The courses below are required for successful completion of the Entrepreneurship proficiency award. For more information contact: Timothy Fontenette (805) 678-5266 [tfotenette@vccd.edu](mailto:tfotenette@vccd.edu)

Required Core Courses		Units
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 <b>**Advisories: BUS R001</b>	1.5
ACCT R111	QuickBooks 2 <b>**Advisories: ACCT R110</b>	<u>1.5</u>
<b>Total Required Units For the Award</b>		<b>5.5</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 (805) 678-5890 [rwilliams@vcccd.edu](mailto:rwilliams@vcccd.edu)*

Required Core Courses		Units
AT R010	Fundamentals of Auto Technology <i>*Advisories: 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	<u>6.0</u>
<b>Total Required Units For the Award</b>		<b>15.0</b>



## ENTRY LEVEL BRAKE AND ELECTRICAL SPECIALIST Proficiency Award (AWARDED BY THE DEPARTMENT)

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

Required Core Courses		Units
AT R010	Fundamentals of Auto Technology <b>**Advisories: AT R011</b>	3.0
AT R015	Automotive Electrical Systems <b>*Corequisites: AT R015L</b> <b>**Advisories: AT R010</b>	4.0
AT R015L	Automotive Electrical Systems Lab <b>*Corequisites: AT R015</b> <b>**Advisories: AT R010</b>	2.0
AT R018	Automotive Brake Systems <b>*Corequisites: AT R018L</b> <b>**Advisories: AT R010</b>	4.0
AT R018L	Automotive Brake Systems Lab <b>*Corequisites: AT R018</b>	<u>2.0</u>
<b>Total Required Units For the Award</b>		<b>15.0</b>



## ENVIRONMENTAL SCIENCE

### Associate in Science Degree for Transfer

Environmental Science integrates topics from biological sciences, physical sciences, geosciences, and public policy to understand the working of the earth's ecosystems and the impact of humans within those systems. Environmental Scientists apply scientific knowledge to understand complex environmental problems that impact the quality of life and develop solutions to protect, preserve, and sustain the natural environment. The Associate in Science in Environmental Science for Transfer degree (AS-T in Environmental Science) prepares students to transfer into the CSU system to complete a bachelor's degree in Environmental Science, Environmental Science and Resource Management, Environmental Studies, or a major deemed similar by a CSU campus. Students earning an associate degree for transfer and meeting the CSU minimum transfer admission requirements are guaranteed admission with junior standing to the CSU system but not to a particular campus or major. Each CSU campus determines which of the degrees it offers are "similar" and can be completed with the preparation included in the AS-T in Environmental Science within 60 units once a student transfers, so which majors are "similar" varies from CSU to CSU. 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. The AS-T in Environmental Science may not be the best option for students intending to transfer to a particular CSU campus or to a college or university that is not part of the CSU system. For transfer to the UC system, students may want to consider the AS in Coastal Environmental Studies instead. *For more information contact: Jim Danza (805) 678-5209 [jdanza@vcccd.edu](mailto:jdanza@vcccd.edu).*

Select either Option 1 or Option 2		Units
<b>Option 1 (15 units)</b>		
BIOL R120	Principles of Biology I <i>* Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i> <i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	4.0
BIOL R120L	Principles of Biology I Lab: Intro to Cellular and Molecular Biology <i>* Prerequisites: BIOL R120 or concurrent enrollment</i>	1.0
BIOL R122	Principles of Biology II <i>* Prerequisites: BIOL R120 and BIOL R120L and ENGL R100 or ENGL R101 or ENGL R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or placement as determined by the college's multiple measures assessment process</i>	4.0
BIOL R122L	Principles of Biology II Lab <i>* Prerequisites: BIOL R120 and BIOL R120L and BIOL R122 or concurrent enrollment</i>	1.0
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
<b>Option 2 (15 units)</b>		
BIOL R120	Principles of Biology I <i>* Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i> <i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	4.0
BIOL R120L	Principles of Biology I Lab: Intro to Cellular and Molecular Biology <i>* Prerequisites: BIOL R120 or concurrent enrollment</i>	1.0
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0



**LIST A:**

Select Geology and the appropriate statistics and calculus course for the intended transfer institution (**14-18 units**)

GEOL R101	Physical Geology	3.0
GEOL R101L	Physical Geology Lab <i>*Prerequisite: GEOL R101 or concurrent enrollment</i>	1.0

Choose one Statistics course and one Calculus course from the following (**7-9 units**):

MATH R105/ H	Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0

Choose one Calculus course (**4-5 units**):

MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	5.0
MATH R106	Business Calculus <i>*Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0

**LIST B:**

Select ECON and the appropriate physics series for the intended transfer institution (**13 units**)

ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
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**-and-**

Physics Series 1 (**10 units**)

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: MATH R121 and PHYS R131</i>	5.0

**-or-**

Physics Series 2 (**10 units**)

PHYS R101	College Physics 1 <i>*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

<b>Total Required Major Units</b>	<b>36-41</b>
CSU General Education or IGETC Pattern	31
Double-Counted Units	-(13)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 1-6
<b>Total units required for the AST Degree</b>	<b>60.0</b>



## 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 (805) 678-5047 [jortega@vcccd.edu](mailto:jortega@vcccd.edu)

Required Core Courses		Units
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>	<u>4.0</u>
<b>Total Required Units For the Award</b>		<b>8.0</b>



## 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 information visit: Gail Warner (805) 678-5026 [gwarner@vcccd.edu](mailto:gwarner@vcccd.edu).

Required Core Courses		Units
FT R151	Fire Protection Organizations	3.0
FT R152	Fire Prevention Technology <i>*Prerequisites: FT R151</i>	3.0
FT R154	Fire Behavior and Principles of Combustion <i>*Prerequisites: FT R151</i>	3.0
FT R155	Fire Protection Equipment and Systems <i>*Prerequisites: FT R151</i>	3.0
FT R158	Principles of Fire and Emergency Services: Safety and Survival <i>*Prerequisites: FT R151</i>	3.0
FT R160	Fire Tactics and Strategies <i>*Prerequisites: FT R151</i>	3.0
FT R161	Building Construction for Fire Protection <i>*Prerequisites: FT R151</i>	3.0
FT R167	Fire Apparatus and Equipment <i>*Prerequisites: FT R151</i>	3.0
EMT R169	Emergency Medical Technician <i>**Advisories: ENGL R085 and ENGL R087 and EMT R109</i>	8.0

Complete a minimum of one course from the following:		
FT R157	Wildland Fire Control <i>*Prerequisites: FT R151</i>	3.0
FT R170	Firefighter I Academy <i>*Prerequisites: FT R151 and EMT R169</i> <i>**Advisories: FT R154 and FT R161 and FT R167</i>	19.0
FT R180	Wildland Fire Academy <i>*Prerequisites: FT R151 and EMT R079</i>	7.5

<b>Total Required Major Units</b>	<b>35-51</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Degree-Applicable Electives	+ 0.0
<b>Total units required for the A.S. Degree</b>	<b>64-80</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## 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: Tamara Crudo (805) 678-5073 [tamara\\_crudo@vcccd.edu](mailto:tamara_crudo@vcccd.edu).*

Required Core Courses	Units
FT R170 Firefighter I Academy <i><b>*Prerequisites: FT R151 and EMT R169</b></i> <i><b>**Advisories: FT R154 and FT R161 and FT R167</b></i> <b>Note:</b> FT 170 Firefighter I Academy <i>The Oxnard College Regional Fire Academy, OCRFA, is an Accredited Regional Training Program, ARTP, as identified by California State Fire Training. The Academy was officially re-accredited in January 2015, with the Firefighter 2013 curriculum serving as the primary source of instructional material. The Fire Academy offers 18 units, meeting 512 hours over 64 instructional periods, 0700-1700. FT R170 units are degree applicable. Strenuous physical fitness is a daily activity. Admission to the Fire Academy is open to all eligible students and is 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.</i>	19.0
FT R151 Fire Protection Organizations	3.0
EMT R169 Emergency Medical Technician <i><b>**Advisories: ENGL R085 and ENGL R087 and EMT R109</b></i>	8.0
<b>Total Required Units for the Certificate</b>	<b>30.0</b>



## FILM, TELEVISION, AND ELECTRONIC MEDIA

Associate in Science Degree

The Associate of Science Degree in Film, Television, and Electronic Media offers students hands-on experience in directing, lighting, video/audio production, and electronic media arts. The degree is geared for those who are interested in obtaining employable skills in the Film and Television Industry. *For more information contact: Anitra N. Lawson (805) 678-5268 [alawson@vcccd.edu](mailto:alawson@vcccd.edu)*

Required Core Courses		Units
FTVE R106	Beginning Digital Editing	3.0
FTVE R110	Introduction to Media Writing	3.0
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 (AKA ART R160)	<u>3.0</u>
<b>Total Required Major Units</b>		<b>18</b>
Oxnard College General Education		29
Double-Counted Units		-(3)
Free Electives Required		<b>+</b> 16
<b>Total units required for the A.S. Degree</b>		<b><u>60.0</u></b>



## FILM, TELEVISION, AND ELECTRONIC MEDIA

### Associate in Science Degree 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 production, screenwriting, digital media production, digital video editing, and digital audio post-production. Students initially 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: Anita N. Lawson (805) 678-5268 [alawson@vcccd.edu](mailto:alawson@vcccd.edu).*

Required Core Courses	Units
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FTVE R100      Introduction to Electronic Media	3.0
FTVE R110      Introduction to Media Writing	3.0

<u>LIST A:</u>
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Select one audio and one video production course (**6 units**):

FTVE R120      Beginning Audio Production	3.0
<b>-and-</b>	
FTVE R130      Beginning Single Camera Production	3.0
<b>-or-</b>	
FTVE R135      Beginning TV Studio Production	3.0

<u>LIST B:</u>
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Select one of the following courses (**3 units**): Any course from List A not already selected above

FTVE R150      Beginning Motion Picture Production	3.0
<b>-or-</b>	
FTVE R107      History of Film	3.0

<u>LIST C:</u>
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Select one of the following courses (**3 units**): Any course from List A or List B not already selected above

-or-	
FTVE R106      Beginning Digital Editing	3.0
FTVE R108A    Acting for TV and Film I	3.0
FTVE R155      Advanced Studio Production	3.0
<b>**Advisories: FTVE R135</b>	
FTVE R160      Introduction to Digital Photography	3.0
FTVE R175      Introduction to Digital Art	3.0

<b>Total Required Major Units</b>	<b>18</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(0-6)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 5-9
<b>Total units required for the AST Degree</b>	<b>60.0</b>



## FILM, TELEVISION, AND ELECTRONIC MEDIA PRODUCTION

### Certificate of Achievement

The Certificate of Achievement in Film, Television, and Electronic Media Production offers students hands-on experience in directing, lighting, video/audio production, and electronic media arts. The certificate is geared for those who are interested in obtaining employable skills in a short timeframe. The Certificate of Achievement may be completed in one year and serves as a professional development opportunity. Courses may be applied towards a degree, if students wish to pursue a degree in FTVE. *For information, contact: Anitra N. Lawson (805) 678-5268 [alawson@vccd.edu](mailto:alawson@vccd.edu).*

#### Required Core Courses

		Units
FTVE R106	Beginning Digital Editing	3.0
FTVE R120	Beginning Audio Production	3.0
FTVE R130	Beginning Single Camera Production	3.0
FTVE R135	Beginning TV Studio Production	3.0
FTVE R150	Beginning Motion Picture Production	3.0
FTVE R160	Introduction to Digital Photography	3.0

**Total Required Major Units      18.0**



# GEOGRAPHY

## Associate in Arts Degree 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 (805) 678-5209 [jdanza@vcccd.edu](mailto:jdanza@vcccd.edu).*

Required Core Courses		Units
GEOG R101	Elements of Physical Geography	3.0
GEOG R101L	Physical Geography Lab <i>*Prerequisites: GEOG R101 or concurrent enrollment</i>	1.0
GEOG R105	Introduction to Human Geography	3.0

### LIST A:

Select **6 units** from the following:

GEOG R102	World Regional Geography	3.0
GEOG R103	Introduction to Weather and Climate	3.0
GEOG R104	Geography of California	3.0

### LIST B:

Select **6 units** from the following:

ANTH R102/H	Introduction to Cultural Anthropology/ Honors	3.0
BIOL R101	General Biology <i>**Advisories: ENGL R095 and ENGL R097 or ENGL R100 or ENGL R101 or placement based on multiple measurements assessments</i>	3.0
GEOG R101	Physical Geology	3.0
	Any course not selected above from List A	<u>3.0</u>

<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)	<b>+ 12-20</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## GEOLOGY

### Associate in Science Degree 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 (805) 678-5076 [toneil@vcccd.edu](mailto:toneil@vcccd.edu)*

Required Core Courses		Units
GEOL R101	Physical Geology	3.0
-and-		
GEOL R101L	Physical Geology Lab <i>*Prerequisite: GEOL R101 or concurrent enrollment</i>	1.0
GEOL R114	Historical Geology <i>**Advisories: GEOL R101</i>	3.0
-and-		
GEOL R114L	Historical Geology Lab <i>*Prerequisites: GEOL R114 or concurrent enrollment</i>	1.0
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
MATH R120	Calculus with Analytic Geometry <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 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
<b>Total Required Major Units</b>		<b>28</b>
CSU General Education <i>or</i> IGETC Pattern		37-39
Double-Counted Units		-(7)
Electives (CSU Transferable units needed to reach 60)		<b>+</b> 1
<b>Total units required for the AST Degree</b>		<b>60.0</b>



## GLOBAL STUDIES

### Associate in Arts Degree 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 non-governmental movements, economics, development and the environment. For more information contact: Dr. Linda LeValley Kama'ila (805) 678-5045 [lkamaila@vcccd.edu](mailto:lkamaila@vcccd.edu) OR Dr. Arion Melidonis (805) 678-5044 [amelidonis@vcccd.edu](mailto:amelidonis@vcccd.edu).

Required Core Courses		Units
GLST R101	Introduction to Global Studies	3.0
GLST R102	Global Issues and Problems	3.0
<b>LIST A: Culture and Society</b>		
Select one course from the following (3 units):		
GEOG R101	Elements of Physical Geography	3.0
GOEG R102	World Regional Geography	3.0
GEOG R105	Introduction to Human Geography	3.0
<b>LIST B: Geography</b>		
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
<b>LIST C: Economics</b>		
Select one course from the following (3 units):		
ECON R101	Introduction to the Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
<b>LIST D: Politics</b>		
Select one course from the following (3 units):		
POLS R104	Introduction to International Relations	3.0
POLS R108	Comparative Politics	3.0
<b>LIST E:</b>		
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 <i>**Advisories: ENGL R096</i>	3.0
<b>Total Required Major Units</b>		<b>21.0</b>
CSU General Education or IGETC Pattern		37-39
Double-Counted Units		-(9-15)
Electives (CSU Transferable units needed to reach 60)		<b>+</b> 9-17
<b>Total units required for the AAT Degree</b>		<b>60.0</b>



## HEATING & 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 (805) 678-5042 [aainsworth@vcccd.edu](mailto:aainsworth@vcccd.edu)*

Required Core Courses		Units
AC R040	Heating Control Systems	3.0
AC R040L	Heating Control Systems Lab	<u>2.0</u>
<b>Total Required Units For the Award</b>		<b>5.0</b>



# HISTORY

## Associate in Arts Degree 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 essential knowledge about how the world works, as well as an understanding of the global trends that will transform our world over the next few decades. While the study of history provides you with the wisdom and core knowledge that will help you to adapt and prosper in our rapidly changing world, it will also provide you with the academic experience, critical thinking skills, and civic mindedness that universities and employers value. A degree in History, from Oxnard College, provides a guaranteed pathway to a state university and serves as an easily obtainable "second major" for students interested in becoming more marketable, well-rounded, and wise. Additionally, the degree satisfies the first two years of a four year degree at most universities (ex. many Oxnard College "History majors" have transferred to CSUCI, CSUN, UCSB, UCR, UCLA, or UC Berkeley). Students who transfer, and earn their BA in History, often immediately go to graduate school (earning their MA or Ph.D.) and/or enter a variety of lucrative and rewarding careers: teaching, law, law enforcement, business, finance, consulting, journalism, social services, public relations, government service, "Public History" (specifying: historic preservation, museum curatorship, archival management), etc.. For more information contact: Kevin Hughes (805) 678-5079 [khughes@vcccd.edu](mailto:khughes@vcccd.edu) OR Dr. Joshua Lieser (805) 678-5078 [jlieser@vcccd.edu](mailto:jlieser@vcccd.edu).

Required Core Courses		Units
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/ Honors	3.0

<b>Total Required Major Units</b>	<b>18</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	-(9-15)
Electives (CSU Transferable units needed to reach 60)	<b>+ 12-20</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



# HOSPITALITY MANAGEMENT

## Associate in Science Degree Certificate of Achievement

The Hospitality Management Program at Oxnard College prepares 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 program will be prepared for the career opportunities leading up to supervisory and entry-level management positions in hotel management, housekeeping management, human resource management, guest services, and food and beverage management. *For more information, contact:*  
Adam Hart (805) 678-5267 [ahart@vccd.edu](mailto:ahart@vccd.edu).

Required Core Courses		Units
HM R100	Principles of the Hospitality Industry	3.0
HM R104	Sanitation and Environmental Control (CRM R104)	3.0
HM R123	Hospitality and Cost Control (CRM R110)	3.0
HM R112	Food and Beverage Management (CRM R112)	3.0
HM R101	Introduction to Hotel Management	3.0
BUS R111	Business Law	3.0
<b>Total Required Major Units</b>		<b>18.0</b>
Oxnard College General Education Pattern		29.0
Double-Counted Units		0.0
Degree-Applicable Electives		<b>+ 13.0</b>
<b>Total units required for the A.S. Degree</b>		<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## HOSPITALITY MANAGEMENT

### Associate in Science Degree for Transfer

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: Adam Hart (805) 678-5267 [ahart@vcccd.edu](mailto:ahart@vcccd.edu)*

Required Core Courses	Units
CRM R100 Principles of the Hospitality Industry (HM R100)	3.0

#### LIST A:

Select three courses (9-13 units):

ECON R102	Introduction to the Principles of Microeconomics <i>* Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
CRM R104	Sanitation and Environmental Control (HM R104)	3.0
CRM R112	Food and Beverage Management (HM R112)	3.0
HM R101	Hotel Management	3.0
CRM R102A	Institutional Food Production <i>* Prerequisites: CRM R104</i>	7.0

#### LIST B:

Select two courses (6-8 units):

ACCT R101/H	Financial Accounting/ Honors <i>**Advisories: BUS R001</i>	3.0
BUS R111	Business Law	3.0
MATH R105/H	Introductory Statistics/ Honors <i>* Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
<b>-or-</b>		
PSY R103	Beginning Statistics for Behavioral Science <i>* Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
ACCT R102	Managerial Accounting <i>* Prerequisites: ACCT R101 or ACCT R101H</i>	3.0
BUS R140	Business Communications	3.0
CIS R100	Introduction to Computer Information Systems	3.0
CRM R102B	Institutional Food Production Management <i>* Prerequisites: CRM R102A</i>	4.0
CRM R105	Gourmet Restaurant Service <i>* Prerequisites: CRM R102B</i>	4.0
CRM R110	Hospitality and Cost Control (HM R123)	3.0
ECON R101	Introduction to the Principles of Macroeconomics <i>* Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
MATH R106	Business Calculus <i>* Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0



	<b>Total Required Major Units</b>	<b>18-21</b>
	CSU General Education <i>or</i> IGETC Pattern	39
	Double-Counted Units	-(0-9)
Electives (CSU Transferable units needed to reach 60)	<b>+</b>	<b>0-12</b>
<b>Total units required for the AST Degree</b>		<b>60.0</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 (805) 678-5240 [jpitones@vcccd.edu](mailto:jpitones@vcccd.edu).*

Required Core 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	Sex Roles	3.0
SOC R110	Analyzing Social Welfare Services <i>*Prerequisite: SOC R118</i>	3.0
SOC R118	Introduction to Human Services and Social Welfare	3.0

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

<b>Total Required Major Units</b>	<b>18-20</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	-(3.0)
Degree-Applicable Electives	<b>+ 16.0</b>
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



# KINESIOLOGY

## Associate in Arts Degree 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. The University of California (UC) has a limitation on transfer credits of Health Education (HED) and Physical Education (PE) courses. For current limitations, see the UC Transfer Course Agreement for Oxnard College on page 81 or [www.assist.org](http://www.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. **University of California Limitation on Transfer of Health Courses** The UC will only give credit for one Health course from HED R101, HED R102, HED R103, or HED R104. **The UC will only give a maximum of 8 units for all of these courses combined: HED R102L, HED R105, HED R106A, HED R106B, HED R107 and HED R110.** For more information, contact: Jonas Crawford (805) 678-5870 [jcrawford1@vcccd.edu](mailto:jcrawford1@vcccd.edu).

Required Core Courses		Units
HED R110	Introduction to Kinesiology	3.0
ANAT R101	General Human Anatomy <i>*Prerequisites: ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L and MATH R015 or MATH R005 or MATH R014 or MATH R033</i>	4.0
PHSO R101	Human Physiology <i>*Prerequisites: ANAT R101 and CHEM R104 or CHEM R110 and ENGL R097 and MATH R005 or MATH R014 or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0

Movement Based Courses	
Movement based courses: select a maximum of one course from three of the following areas for a minimum of three units:	
Combative:	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 courses (minimum <b>6 units</b> ) from the following:		
MATH R105/H	Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
SOC R125	Introduction to Statistics in Sociology <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
PSY R103	Beginning Statistics for the Behavioral and Social Sciences <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 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
	-and-		
	PHYS R101L	College Physics 1 Laboratory <i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	1.0
	-or-		
	PHYS R131	Physics for Scientists and Engineers 1 <i>*Prerequisites: MATH R120</i>	5.0
	HED R105	First Aid/Personal Safety	3.0
		<b>Total Required Major Units</b>	<b>21-28</b>
		CSU General Education <i>or</i> IGETC Pattern	38-41
		Double-Counted Units	-(4-13)
		Electives (CSU Transferable units needed to reach 60)	<b>+</b> 1-8
		<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## LAW, PUBLIC POLICY, AND SOCIETY

### Associate in Arts Degree for Transfer

The Associate in Arts in Law, Public Policy, and Society for Transfer (AA-T in Law, Public Policy, and Society) is an interdisciplinary major that focuses on the development of communication skills, introduces students to the legal field, and prepares students for further study in a variety of majors deemed "similar" at the California State University (CSU) including but not limited to American Studies, Communications, Criminal Justice, Criminology, Global Intelligence and National Security, International Relations, Philosophy, Political Science, Social and Behavioral Science. For a current list of what majors (and what options or areas of emphasis within those majors) 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. For students interested in pursuing a Bachelor's degree in pre-law, California State University, Northridge (CSUN) accepts this degree as similar to their Political Science with an option in Law and Society, Sonoma State University accepts it for their degree in Philosophy with Pre-Law/Applied Ethics, and CSU, Chico accepts it for Political Science with a Legal Studies emphasis. For students interested in Public Administration, the following CSU's currently accept this degree as similar to their Public Administration majors: San Diego State University (SDSU), CSU Chico, and CSU Fullerton.

Required Core Courses		Units
POLS R102	Introduction to Law and Society	3.0
Choose one Ethics course (3 units)		
PHIL R102/H	Introduction to Ethics/ Honors	3.0
Choose one Public Speaking course (3 units):		
COMM R101	Introduction to Oral Communication <i>**Advisories: ENGL R101</i>	3.0
COMM R107	Argumentation and Debate	3.0
COMM R110	Small Group Communication	3.0
Choose one Composition course (4 units):		
ENGL R101/H	College Composition	4.0
Choose one course in persuasion (3 units) COMM R107 may only be chosen in this area if not used to complete the public speaking requirement above:		
COMM R107	Argumentation and Debate	3.0
ENGL R128	Advanced Composition and Critical Thinking Through Non-Fiction <i>*Prerequisites: ENGL R101 or ENGL R101H</i>	3.0
PHIL R107	Introduction to Logic	3.0
Choose one statistics course (3-4 units):		
MATH R105/H	Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
SOC R125	Statistics for the Behavioral and Social Sciences <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
Choose one U.S. History course (3 units):		
HIST R130/H	History of the United States I/ Honors	3.0
HIST R140/H	History of the United States II/ Honors	3.0



Complete a Government course (**3 units**):

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

**LIST A:** *Select a total of two courses (6 units) from areas listed below. The two courses must come from two separate areas.*

Area 1: Administrative Justice/Criminal Justice/Criminology

SOC R116 Crime and Society 3.0

Area 2: Business

BUS R111 Business Law 3.0

Area 3: Economics

ECON R101 Introduction to the Principles of Macroeconomics 3.0

*\*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process*

ECON R102 Introduction to the Principles of Microeconomic 3.0

*\*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process*

Area 4: Political Science

POLS R120 Political Theory 3.0

POLS R108 Comparative Politics 3.0

POLS R104 Introduction to International Relations 3.0

POLS R100 Introduction to Politics

Area 5: Public Policy

GLST R101 Introduction to Global Studies 3.0

GLST R102 Global Issues and Problems 3.0

SJS R110 Introduction to Social Justice Studies 3.0

SOC R102 Social Problems 3.0

Area 6: Diversity

ANTH R102/H Introduction to Cultural Anthropology/ Honors 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

COMM R113 Intercultural Communication 3.0

GEOG R105 Introduction to Human Geography 3.0

SJS R120 Introduction to Women's Studies 3.0

SJS R130 Introduction to LGBTQ Studies 3.0

SOC R104 Sex Roles (PSY R107) 3.0

SOC R103 Race and Ethnic Relations 3.0

SOC R108 Sociology of the Chicano Community 3.0

Area 7: College Success

PG R102 College Success 3.0

<b>Total Required Major Units</b>	<b>31-32</b>
CSU General Education <i>or</i> IGETC Pattern	39
Double-Counted Units	-(24-27)
Electives (CSU Transferable units needed to reach 60)	<b>+ 14-17</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## 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. Passing the ServSafe® Certification exam as well as passing the National Restaurant Association certification exam is required to earn this Proficiency Award. *For more information contact: Adam Hart (805) 678-5267 [ahart@vcccd.edu](mailto:ahart@vcccd.edu)*

Required Core Courses		Units
CRM R102A	Institutional Food Production <i>*Prerequisites: CRM R104</i>	7.0
CRM R104	Sanitation & Environmental Control	<u>3.0</u>



### Required Certifications

ServeSafe Certification National Restaurant Association Certification

**Total Required Units For the Award      10.0**



## 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: Timothy Fontenette (805) 678-5266 [tfotenette@vccd.edu](mailto:tfotenette@vccd.edu)*

Required Core Courses		Units
BUS R100	Introduction to Entrepreneurship	1.0
BUS R134	Marketing for Small Business	2.0
BUS R135	Social Media Marketing	1.5
<b>Total Required Units For the Award</b>		<b>4.5</b>



## MATHEMATICS

### Associate in Science Degree for Transfer

The Mathematics Program at Oxnard College offers courses to meet the needs of a variety of students. Whether you wish to refresh your math skills, complete the requirements for your Associate's degree, or transfer to a four-year institution, we have the right course for you. Our standard courses range from Algebra through Calculus, Differential Equations, and Linear Algebra. Furthermore, courses such as Statistics, Business Calculus, and Math for Elementary School Teachers give the student special tools for competing in specific careers or programs. (Δ) Additional Support MATH R105 Introductory Statistics, MATH R106 Business Calculus, and MATH R115 College Algebra have additional support for students who would like extra help. These classes are excellent opportunities for students who want to finish their academics faster. University of California Limitation on Transfer of Statistics Courses The UC will give credit for a maximum of one Statistics course: MATH R105, MATH R105H, PSY R103, or SOC R125. For more information contact: Dr. Steve Hall (805) 678-5090 [shall@vcccd.edu](mailto:shall@vcccd.edu).

Required Core Courses		Units
MATH R120	Calculus with Analytic Geometry I <i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 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

**Select a minimum of two courses from below with at least one course from List A**

<b>LIST A:</b>		
Provides depth of understanding in subject major		
MATH R134	Linear Algebra <i>*Prerequisites: MATH R121</i>	3.0
MATH R143	Differential Equations <i>*Prerequisites: MATH R121</i>	3.0

<b>LIST B:</b>		
Expands application of discipline		
MATH R105	Introductory Statistics <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0
PHYS R131	Physics for Scientists and Engineers 1 <i>*Prerequisites: MATH R120</i>	5.0

<b>Total Required Major Units</b>	<b>21-23</b>
CSU General Education or IGETC Pattern	38-41
Double-Counted Units	-(3-7)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 0-6
<b>Total units required for the AST Degree</b>	<b>60.0</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 (805) 678-5042 [aainsworth@vccd.edu](mailto:aainsworth@vccd.edu)

### Required Core Courses

		Units
AC R010	Introduction to Air Conditioning & Refrigeration	3.0
AC R010L	Introduction to Air Conditioning & Refrigeration I Lab	2.0
AC R011L	Introduction to Air Conditioning & Refrigeration II Lab	2.0

*\*Prerequisites: AC R010L*

**Total Required Units For the Award      7.0**



## NUTRITION AND DIETETICS

### Associate in Science Degree 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. *For more information contact: Dianne Frehlich (805) 678-5188 [dfrehlich@vcccd.edu](mailto:dfrehlich@vcccd.edu).*

Required Core Courses		Units
HED R114	Introduction to Nutrition Science	3.0
PSY R101/H	General Psychology/ Honors	3.0
CHEM R120	General Chemistry I <i>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
MICR R100	Principles of Microbiology <i>*Prerequisites: CHEM R104 or CHEM R110 or CHEM R112 or CHEM R120 or BIOL R120 and BIOL R120L and ANAT R101 and PHSO R101 and MATH R015 or MATH R005 or MATH R014 or MATH R014B or MATH R033 or placement as determined by the college's multiple measures assessment process</i> <i>**Advisories: ENGL R101</i>	3.0
MICR R100L	Principles of Microbiology Laboratory <i>*Prerequisites: MICR R100 or concurrent enrollment</i>	1.0

#### LIST A:

Select two courses (7-10 units). No more than one Statistics course may be selected.

CHEM R122	General Chemistry II <i>*Prerequisites: CHEM R120</i>	5.0
CHEM R130	Organic Chemistry I <i>*Prerequisites: CHEM R122</i>	5.0
ANAT R101	Human Anatomy <i>*Prerequisites: ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L and MATH R015 or MATH R005 or MATH R014 or MATH R033</i>	4.0
PHSO R101	Human Physiology <i>*Prerequisites: ANAT R101 and CHEM R104 or CHEM R110 and ENGL R097 and MATH R005 or MATH R014 or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
MATH R105/H	Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or 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
-or- PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
-or- SOC R125	Statistics for the Behavioral and Social Sciences <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0





**LIST B:**

Select one course (3-5 units). If a Physics course is selected, the Lab must also be taken.

CHEM R110	Elementary Chemistry <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or 1 year high school algebra or equivalent or placement as determined by the college's multiple measures assessment process</i>	5.0
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	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 R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</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 R015 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 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	5.0
PHYS R101	College Physics 1 <i>*Prerequisites: MATH R116</i>	4.0
-and- PHYS R101L	College Physics 1 Lab <i>*Prerequisites: PHYS R101 or concurrent enrollment</i>	1.0
-and- PHYS R102	College Physics 2 <i>*Prerequisites: PHYS R101</i>	4.0
-and- PHYS R102L	College Physics 2 Lab <i>*Prerequisites: PHYS R102 or concurrent enrollment</i>	1.0
PHYS R121	Physics with Calculus 1 <i>*Prerequisites: MATH R120</i>	5.0
PHYS R122	Physics with Calculus 2 <i>*Prerequisites: MATH R121 and MATH R121</i>	5.0
PSY R108	Developmental Psychology	3.0
SOC R101/H	Introduction to Sociology/ Honors	3.0



<b>Total Required Major Units</b>	<b>18-19</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	-(9-18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 12-23</b>
<b>Total units required for the AST Degree</b>	<b>60.0</b>



## OFFICE SOFTWARE SPECIALIST Proficiency Award (AWARDED BY THE DEPARTMENT)

The Office Technologies 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. For more information contact: Dr. Diane Eberhardy (805) 678-5055 [deberhardy@vcccd.edu](mailto:deberhardy@vcccd.edu).

Required Core Courses		Units
CAOT R123	Microsoft Excel <b>**Advisories: CIS R020A</b>	3.0
CAOT R124	Microsoft Access <b>**Advisories: CIS R020A</b>	3.0
CAOT R129	Microsoft PowerPoint <b>**Advisories: CIS R020A</b>	3.0
CAOT R130	Microsoft Word <b>**Advisories: CIS R020A</b>	<u>3.0</u>
<b>Total Required Units For the Award</b>		<b>12.0</b>



## OFFICE TECHNOLOGIES

### Proficiency Award

(AWARDED BY THE DEPARTMENT)

The Office Technologies 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. For more information contact: Dr. Diane Eberhardy (805) 678-5055 [deberhardy@vcccd.edu](mailto:deberhardy@vcccd.edu).

Required Core Courses		Units
CAOT R001	Keyboarding (Alpha and Numeric)	1.5
CAOT R002	Keyboarding Speed and Accuracy <b>**Advisories: CAOT R001</b>	1.5
CAOT R004	Microsoft Outlook	1.5
CAOT R009	Office Procedures <b>**Advisories: CAOT R001 or CAOT R002 and CAOT R130</b>	3.0
CAOT R123	Microsoft Excel <b>**Advisories: CIS R020A</b>	3.0
CAOT R130	Microsoft Word <b>**Advisories: CIS R020A</b>	<u>3.0</u>
<b>Total Required Units For the Award</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 development an educational plan. For more information, contact: Career & Technical Education Division Office Dr. Jerry Lulejian (805) 678-5824 [jlulejian@vcccd.edu](mailto:jlulejian@vcccd.edu).

Required Core Courses		Units
BUS R111	Business Law	3.0
PLS R041	Computer Applications for Paralegals <b>**Advisories: CIS R020A</b>	3.0
PLS R101	Paralegal Fundamentals	3.0
PLS R104	Legal Research and Writing I <b>**Advisories: PLS R101</b>	3.0
PLS R105	Legal Research and Writing II <b>*Prerequisite: PLS R104</b>	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 <b>**Advisories: PLS R101</b>	3.0
PLS R106	Civil Litigation <b>**Advisories: PLS R101</b>	3.0
PLS R107	Family Law	3.0
PLS R108	Evidence <b>**Advisories: PLS R101</b>	3.0
PLS R110	Criminal Law and Procedure	3.0
PLS R124	Bankruptcy Law	3.0
PLS R126	Probate Law	3.0

**-and/or-**

#### Transactional Track

PLS R103	Contracts <b>**Advisories: PLS R101</b>	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

<b>Total Required Major Units</b>	<b>30.0</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	0.0
Degree-Applicable Electives	<b>+ 1.0</b>
<b>Total units required for the A.S. Degree</b>	<b>60.0</b>

**\*\*General Education** This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\*



## 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 (805) 678-5092 [chorrock@vcccd.edu](mailto:chorrock@vcccd.edu).*

Required Core Courses		Units
PHIL R101/H	Introduction to Philosophy/ Honors	3.0
PHIL R107	Introduction to Logic	3.0

Required Additional Courses:		
Complete a minimum of <b>12 units</b> from the following:		
ANTH R111	Magic, Witchcraft & Religion: Anthropology of Belief	3.0
ECON R101	Principles of Macroeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
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
PHIL R112	Symbolic Logic	3.0
PHIL R114	Social Philosophy (SOC R114)	3.0
POLS R100	Introduction to Politics	3.0

<b>Total Required Major Units</b>	<b>18.0</b>
Oxnard College General Education	29.0
Double-Counted Units	-(3-6)
Free Electives Required	<b>+ 16-18</b>
<b>Total units required for the A.A. Degree</b>	<b>60.0</b>



## PHILOSOPHY

### Associate in Arts Degree 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		Units
Choose one course or <b>3.0 units</b> minimum from the following:		
PHIL R107	Introduction to Logic	3.0
PHIL R112	Symbolic Logic	3.0
Choose one course or <b>3.0 units</b> minimum from the following:		
PHIL R101/H	Introduction to Philosophy/ Honors	3.0
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
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
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 the Core not already selected above	3.0
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

<b>Total Required Major Units</b>	<b>18</b>
CSU General Education <i>or</i> IGETC Pattern	38-41
Double-Counted Units	-(6-9)
Electives (CSU Transferable units needed to reach 60)	<b>+ 7-13</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## 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. University of California Limitation on Transfer of Physics Courses. The UC will give credit for only one Physics series: PHYS R101/L & R102/L or PHYS R121 & R122 or PHYS R131, R132, and R133. For more information, contact: Justin Miller (805) 678-5094 [jwmiller@vcccd.edu](mailto:jwmiller@vcccd.edu).

Required Core Courses		Units
CHEM R120	General Chemistry I <i>* Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	5.0
MATH R120	Calculus with Analytic Geometry I <i>* Prerequisites: MATH R115 or MATH R116 or MATH R117 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: MATH R121 and PHYS R131</i>	5.0
PHYS R133	Physics for Scientists and Engineers 3 <i>* Prerequisites: MATH R122 and PHYS R132</i>	5.0
<b>Total Required Major Units</b>		<b>41.0</b>
Oxnard College General Education		37-39
Double-Counted Units		-(6)
Free Electives Required		<b>+</b> 0.0
<b>Total units required for the A.S. Degree</b>		<b>72-74</b>

*\*Note: University of California Santa Barbara requires both CHEM R120 and CHEM R122 (General Chemistry I and 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.*

<b>YEAR 1:</b>	<b>Fall Semester:</b> MATH R120 CHEM R120	<b>Spring Semester:</b> MATH R121 PHYS R131
<b>YEAR 2:</b>	<b>Fall Semester:</b> MATH R122 PHYS R132	<b>Spring Semester:</b> MATH R134 & MATH R143 PHYS R133



# PHYSICS

## Associate in Science Degree 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. University of California Limitation on Transfer of Physics Courses. The UC will give credit for only one Physics series: PHYS R101/L & R102/L or PHYS R121 & R122 or PHYS R131, R132, and R133. For more information, contact: Justin Miller (805) 678-5094 [jwmiller@vcccd.edu](mailto:jwmiller@vcccd.edu).

Required Core Courses		Units
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: MATH R121 and PHYS R131</i>	5.0
PHYS R133	Physics for Scientists and Engineers 3 <i>* Prerequisites: MATH R122 and PHYS R132</i>	5.0

Required Core Mathematics Courses (15 units)		Units
MATH R120	Calculus with Analytic Geometry I <i>* Prerequisites: MATH R115 or MATH R116 or MATH R117 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

<b>Total Required Major Units</b>	<b>30.0</b>
CSU General Education or IGETC Pattern	37.0
Double-Counted Units	-(7)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 0
<b>Total units required for the AST Degree</b>	<b>60.0</b>



## POLITICAL SCIENCE

### Associate in Arts Degree

A Political Science major offers an education in government and political issues, local, national and global. A variety of courses in Political Science develop skills in research and analysis of government institutions, political behavior, the public policy process and global politics. Topics include the interpretation and use of constitutions, the politics of the legislative process, the impact of money and lobbying on elections, campaigns and 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, globalization 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. *For more information, contact: Dr. Gloria Guevara (805) 678-5095 [gguevara@vcccd.edu](mailto:gguevara@vcccd.edu).*

Required Core Courses		Units
POLS R100	Introduction to Politics	3.0
POLS R101	Government of the United States I: Institutions and Politics	3.0
POLS R102	Introduction to Law and Society	3.0
POLS R104	Introduction to International Relations	3.0
POLS R108	Comparative Politics	3.0
Required Additional Courses (6 Units)		
ANTH R102/H	Introduction to Cultural Anthropology/ Honors	3.0
CHST R107	History of Mexicans in the United States (HIST R107)	3.0
ECON R100	Modern American Economy <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 R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
GEOG R102	World Regional Geography	3.0
HIST R110	History of the Middle East	3.0
HIST R126	History of Latin America	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
PHIL R114	Social Philosophy (SOC R114)	3.0
POLS R120	Political Theory	3.0
POLS R125/H	Honors: U.S. Foreign Policy & Covert Action/ Honors (HIST R125/H)	3.0
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
SOC R103	Race and Ethnic Relations	3.0
<b>Total Required Major Units</b>		<b>21.0</b>
Oxnard College General Education		29.0
Double-Counted Units		-(6-12)
Free Electives Required		<b>+ 16-22</b>
<b>Total units required for the AA Degree</b>		<b>60.0</b>



## POLITICAL SCIENCE

### Associate in Arts Degree for Transfer

A Political Science major offers an education in government and political issues, local, national and global. A variety of courses in Political Science develop skills in research and analysis of government institutions, political behavior, the public policy process and global politics. Topics include the interpretation and use of constitutions, the politics of the legislative process, the impact of money and lobbying on elections, campaigns and 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, globalization 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. *For more information, contact: Dr. Gloria Guevara (805) 678-5095 [gguevara@vcccd.edu](mailto:gguevara@vcccd.edu).*

Required Core Courses		Units
POLS R101	Government of the United States I: Institutions and Politics	3.0
<b>LIST A:</b>		
Select three of the following courses ( <b>9 units</b> ):		
POLS R100	Introduction to Politics	3.0
POLS R104	Introduction to International Relations	3.0
POLS R108	Comparative Politics	3.0
<b>LIST B:</b>		
Select two of the following courses ( <b>6 units</b> ):		
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 <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 R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
ECON R102	Introduction to the Principles of Microeconomics <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0
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 R125/H	Honors: U.S. Foreign Policy & Covert Action/ Honors (HIST R125/H)	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 <i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i>	3.0



<b>Total Required Major Units</b>	<b>18</b>
CSU General Education <i>or</i> IGETC Pattern	38-41
Double-Counted Units	-(6-15)
Electives (CSU Transferable units needed to reach 60)	<b>+ 7-19</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## PSYCHOLOGY

### Associate in Arts

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. **University of California Limitation on Transfer of Statistics Courses: The UC will give credit for a maximum of one Statistics course: MATH R105, MATH R105H, PSY R103, or SOC R125.** For more information, contact: Dr. Linda Chaparro (805) 678-5096 [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu).

Required Core Courses		Units
PSY R101/H	General Psychology/ Honors	3.0
PSY R102A	Interpersonal Relations I	3.0

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

PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
MATH R105/H	Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0

And choose **one** of the following courses:

PSY R104	Introduction to Experimental Psychology <i>*Prerequisites: PSY R101 and PSY R103 and MATH R105 or MATH R105H</i>	3.0
<b>-or-</b>		
PSY R105	Introduction to Physiological Psychology <i>*Prerequisites: PSY R101</i>	3.0

**Required Additional Courses:**

Complete **one** of the following courses: (3 units)

PSY R107	Sex Roles (SOC R104)	3.0
PSY R110	Human Sexuality	3.0
PSY R111	The Exceptional Child (ECE R108)	3.0

<b>Total Required Major Units</b>	<b>18-19</b>
Oxnard College General Education Pattern	29.0
Double-Counted Units	-(6-12)
Degree-Applicable Electives (needed to reach 60 units)	<b>+ 19-24</b>
<b>Total units required for the AA Degree</b>	<b>60.0</b>



## PSYCHOLOGY

### Associate in Arts Degree 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. **University of California Limitation on Transfer of Statistics Courses: The UC will give credit for a maximum of one Statistics course: MATH R105, MATH R105H, PSY R103, or SOC R125.** For more information, contact: Dr. Linda Chaparro (805) 678-5096 [lchaparro@vcccd.edu](mailto:lchaparro@vcccd.edu).

Required Core Courses		Units
PSY R101/H	General Psychology/ Honors	3.0
PSY R104	Introduction to Experimental Psychology <i>*Prerequisites: PSY R101 and PSY R103 and MATH R105 or MATH R105H</i>	3.0
<b>-and-</b>		
PSY R103	Beginning Statistics for Behavioral Science <i>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0
<b>-or-</b>		
MATH R105/H	Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	4.0

#### 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

<b>Total Required Major Units</b>	<b>18-19</b>
CSU General Education or IGETC Pattern	37-39
Double-Counted Units	-(12-18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 17-21</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## PUBLIC HEALTH SCIENCE

### Associate in Science Degree for Transfer

The AS-T in Public Health Science provides preparation for students interested in careers in public health. Some of the careers 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. The Associate in Sciences Degree in Public Health Science for Transfer (Public Health Science AS-T) is intended for students who plan to complete a bachelor's degree in Public Health Science or Health Science or a "similar" major at a CSU campus.

Required Core Courses		Units
HED R113	Introduction to Public Health Science	3.0
HED R104	Personal Health and Wellness <b>**Advisories: ENGL R097 or ENGL R100</b>	3.0
ANAT R101	Human Anatomy <b>*Prerequisites: ENGL R097 and BIOL R101 or BIOL R101H and BIOL R101L and MATH R015 or MATH R005 or MATH R014 or MATH R033</b>	4.0
PHSO R101	Human Physiology <b>*Prerequisites: ANAT R101 and CHEM R104 or CHEM R110 and ENGL R097 and MATH R005 or MATH R014 or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	5.0
BIOL R101/H	General Biology/ Honors <b>**Advisories: ENGL R095 and ENGL R097 or ENGL R100 or ENGL R101 or placement based on multiple measurements assessments</b>	3.0
BIOL R101L	General Biology Laboratory <b>*Prerequisites: BIOL R101 or BIOL R101H or concurrent enrollment</b> <b>**Advisories: MATH R002 or MATH R005 or MATH R015</b>	1.0
PSY R101/H	General Psychology/ Honors	3.0
Choose <b>one</b> course in Chemistry		
CHEM R110	Elementary Chemistry <b>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or 1 year high school algebra or equivalent or placement as determined by the college's multiple measures assessment process</b>	5.0
CHEM R120	General Chemistry I <b>*Prerequisites: CHEM R110 and MATH R015 or MATH R005 or MATH R014 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	5.0
Choose <b>one</b> course in Statistics		
MATH R105/H	Introductory Statistics/ Honors <b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	4.0
PSY R103	Beginning Statistics for Behavioral Science <b>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</b>	3.0
SOC R125	Statistics for the Behavioral and Social Sciences <b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</b>	3.0

#### LIST A:

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

ECON R101	Introduction to the Principles of Macroeconomics	3.0
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ECON R102	<p><i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i></p> <p>Introduction to the Principles of Microeconomics</p> <p><i>*Prerequisites: MATH R002 or MATH R005 or MATH R011 or MATH R015 or Placement as determined by the college's multiple measures process</i></p>	3.0
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	3.0
COMM R101	Introduction to Oral Communication	3.0
	<b>**Advisories: ENGL R101*</b>	
BIOL R120	Principles of Biology I	4.0
	<i>*Prerequisites: CHEM R120 and MATH R005 or MATH R015 or placement based on multiple measurements assessments</i>	
	<i>**Advisories: ENGL R097 or ENGL R100 or ENGL R101</i>	
<b>-and-</b>		
BIOL R120L	Principles of Biology I Lab: Intro. to Cellular and Molecular Biology	1.0
	<i>*Prerequisites: BIOL R120 or concurrent enrollment</i>	
BIOL R122	Principles of Biology II	4.0
	<i>*Prerequisites: BIOL R120 and BIOL R120L and ENGL R100 or ENGL R101 or ENGL R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or placement as determined by the college's multiple measures assessment process</i>	
<b>-and-</b>		
BIOL R122L	Principles of Biology II Lab	1.0
	<i>*Prerequisites: BIOL R120 and BIOL R120L and BIOL R122 or concurrent enrollment</i>	
MATH R106	Business Calculus	4.0
	<i>*Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	
	<i>**Advisories: MATH R115</i>	
MATH R115	College Algebra	4.0
	<i>*Prerequisites: MATH R014 or MATH R014B or MATH R015 or MATH R033 or placement as determined by the college's multiple measures assessment process</i>	
MATH R120	Calculus with Analytic Geometry I	5.0
	<i>*Prerequisites: MATH R115 or MATH R116 or MATH R117 or placement as determined by the college's multiple measures assessment process</i>	
PHYS R121	Physics with Calculus 1	5.0
	<i>*Prerequisites: MATH R120</i>	
PHYS R122	Physics with Calculus 2	5.0
	<i>*Prerequisites: MATH R121 and PHYS</i>	
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: MATH R121 and PHYS R131</i>	
<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)		<b>+</b> 0-6
<b>Total units required for the AST Degree</b>		<b>60.0</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. *For more information contact: Adam Hart (805) 678-5267 [ahart@vcccd.edu](mailto:ahart@vcccd.edu)*

Required Core Courses	Units
CRM R100 Principles of the Hospitality Industry <i>*Prerequisites: CRM R102A</i>	3.0
CRM R104 Sanitation and Environmental Control	3.0
CRM R106 Nutrition in Food Service	3.0
CRM R107 Dining Room Service <i>*Prerequisites: CRM R100 and CRM R104</i>	2.5
CRM R109 Management by Menu	3.0
CRM R110 Hospitality and Cost Control	3.0
CRM R111 Food Purchasing and Receiving <i>**Advisories: CRM R102A</i>	3.5
CRM R112 Food and Beverage Management	3.0
CRM R113 Bar and Beverage Management	3.0
CRM R115 Marketing of Hospitality Services <i>**Advisories: BUS R132</i>	3.0
<b>Total Required Major Units</b>	
<b>30.0</b>	
Oxnard College General Education Pattern	
29.0	
Double-Counted Units	
0.0	
Degree-Applicable Electives	
<b>+</b> 1.0	
<b>Total units required for the A.S. Degree</b>	
<b>60.0</b>	

*\*\*General Education This A.S./A.A. degree requires completion of the Oxnard College General Education Pattern\*\**



## SOCIAL JUSTICE STUDIES

### Associate in Arts Degree 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: Dr. Arion Melidonis (805) 678-5044 amelidonis@vcccd.edu .*

#### Required Core Courses

Units

#### 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 (SOC R104)	3.0

#### 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 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 (HIST R107)	3.0
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 or ENGL R101H**

### 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 (HIST R107)	3.0
SOC R103	Race and Ethnic Relations	3.0
PSY R107	Sex Roles (SOC R104)	3.0
SOC R108	Sociology of the Chicano Community	

### 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
	<b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or MATH R033 or placement as determined by the college's multiple measures assessment process</b>	
PSY R103	Beginning Statistics for Behavioral Science	3.0
	<b>*Prerequisites: PSY R101 or PSY R101H and MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</b>	
SOC R125	Statistics for the Behavioral and Social Sciences	3.0
	<b>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</b>	

### 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 (HIST R107)	3.0
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 (SOC R104)	3.0
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

**\*Prerequisite: SPAN R103 or SPAN R140 or placement as determined by the college's multiple measures assessment process**  
**\*\*Advisories: SPAN R104 or SPAN R141**



<b>Total Required Major Units</b>	<b>18.0</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 12-23</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</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. **University of California Limitation on Transfer of Statistics Courses: The UC will give credit for a maximum of one Statistics course: MATH R105, MATH R105H, PSY R103, or SOC R125.** For more information, contact: Juan Pitones (805) 678-5240 [jpitones@vcccd.edu](mailto:jpitones@vcccd.edu).

Required Core Courses		Units
SOC R101/H	Introduction to Sociology/ Honors	3.0
SOC R102	Social Problems	3.0
SOC R111	Introduction to Social Research	3.0
<i>*Prerequisite: SOC R101 or SOC R101H</i>		

Complete one of the following courses:		
SOC R104	Sex Roles	3.0
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 R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>		

Complete one of the following courses:		
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 R108	Introduction to Human Services and Social Welfare	3.0
SOC R125	Statistics for the Behavioral and Social Sciences	3.0
<i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>		

<b>Total Required Major Units</b>	<b>18.0</b>
Oxnard College General Education	29
Double-Counted Units	-(3-9)
Free Electives Required	<b>+ 16-22</b>
<b>Total units required for the A.A. Degree</b>	<b>60.0</b>



## SOCIOLOGY

### Associate in Arts Degree 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. **University of California Limitation on Transfer of Statistics Courses The UC will give credit for a maximum of one Statistics course: MATH R105, MATH R105H, PSY R103, or SOC R125.** For more information, contact: Juan Pitones (805) 678-5240 [jpitones@vcccd.edu](mailto:jpitones@vcccd.edu)

Required Core Courses	Units
SOC R101/H Introduction to Sociology / Honors	3.0

#### LIST A:

Required Additional Courses (**6 units Minimum**):

SOC R102 Social Problems	3.0
SOC R111 Introduction to Social Research <i>*Prerequisite: SOC R101 or SOC R101H</i>	3.0
SOC R125 Statistics for the Behavioral and Social Sciences <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 or MATH R032 or placement as determined by the college's multiple measures assessment process</i>	3.0

**-or-**

MATH R105/H Introductory Statistics/ Honors <i>*Prerequisites: MATH R005 or MATH R014 or MATH R014B or MATH R015 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 B:

Select Three of the following courses (**9 units**):

SOC R103 Race and Ethnic Relations	3.0
SOC R104 Sex Roles (PSY R107)	3.0
SOC R106 Contemporary Family in American Society	3.0
SOC R116 Crime and Society	3.0
Any course from List A not already selected above	

<b>Total Required Major Units</b>	<b>18.0</b>
CSU General Education or IGETC Pattern	38-41
Double-Counted Units	-(9-12)
Electives (CSU Transferable units needed to reach 60)	<b>+ 10-16</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## SPANISH

### Associate in Arts Degree for Transfer

In our multicultural society and global economy, learning a second language has become an essential skill. Spanish is one of the languages most used in education, business, diplomacy, health, government, and the arts. The Spanish program at Oxnard College offers a variety of courses in Spanish language, cultures, literature and film, leading to an Associate in Arts in Spanish for Transfer (Spanish AA-T). There are courses designed for non-Spanish speakers and for heritage speakers of Spanish. Classes are offered in two modalities: face-to-face and hybrid. Heritage speakers of Spanish are strongly encouraged to take the voluntary Spanish assessment test and see a counselor to determine their appropriate course placement level. 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 [www.assist.org](http://www.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: Elissa Caruth [ecaruth@vcccd.edu](mailto:ecaruth@vcccd.edu).

Required Core Courses		Units	
SPAN R101	Elementary Spanish 1	5.0	
SPAN R102	Elementary Spanish 2 <i>*Prerequisite: SPAN R101 or placement as determined by the college's multiple measures assessment process</i>	5.0	
-or-	SPAN R103	Intermediate Spanish 1 <i>*Prerequisite: 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>*Prerequisite: SPAN R103</i>	5.0
	SPAN R141	Spanish for Heritage Speakers 2 <i>*Prerequisite: 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, SPAN R140, SPAN R104, or SPAN R141 will need to select a course or courses from the Substitution List below to total a minimum of 16 units in the required core. Substitution Courses for Students Who Do Not Have a Minimum of 16 Units in Core Courses.

SPAN R118	Latin American and Spanish Film <i>**Advisories: SPAN R103 or SPAN R140 or a score of 429 or above on the Spanish Assessment Test</i>	3.0
CHST R101	Introduction to Chicana/o Studies	3.0
HIST R109	History of Mexico	3.0
CHST R107	History of Mexicans in the United States (HIST R107)	3.0
COMM R113	Intercultural Communication	3.0
ART R172	Art of the Ancient Americas	3.0
ART R174	Latin American Art <i>**Advisories ENGL R101</i>	3.0

#### LIST A:

Select one Course, **3 Units** Minimum

SPAN R117	Latin American Literature <i>*Prerequisite: SPAN R103 or SPAN R140 or placement as determined by the college's multiple measures assessment process</i>	3.0
SPAN R119	Cultures of Latin America <i>**Advisories: SPAN R103 or SPAN R140</i>	3.0
HIST R126	History of Latin America	3.0



<b>Total Required Major Units</b>	<b>19-23</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(6-18)
Electives (CSU Transferable units needed to reach 60)	<b>+ 4-22</b>
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## STUDIO ARTS

### Associate in Arts Degree for Transfer

The Associate in Arts in Studio Arts Transfer (AA-T) Degree is intended to meet the lower division requirements for Studio Arts majors (or similar majors) at a CSU campus that offers a Studio Arts baccalaureate degree. The degree provides foundation visual knowledge and training in the techniques of art-making. Students build confidence in their abilities and the quality of their professional portfolios. A student graduating with an Associate in Art in Studio Arts for Transfer Degree is well positioned to complete a Bachelor's Degree in Art or related fields such as Commercial Art, Fine Arts, and Sculpture among many others. In addition, the CSU campuses offer a wide range of specialized bachelor's degrees, including each of the studio arts as well as art education, photography, digital arts and multimedia, graphic design and arts technology. The Associate in Arts in Studio Arts for Transfer (Studio Arts 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 68 for more information.. For more information, contact: Christine Morla (805) 678-5046 [cmorla@vcccd.edu](mailto:cmorla@vcccd.edu)

Required Core Courses		Units
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 <i>**Advisories: ENGL R101</i>	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
ART R106B	Drawing and Composition II <i>* Prerequisites: ART R106A</i>	3.0

**Painting:** Select no more than **one** course from painting (0-3 units)

ART R110A	Beginning Acrylic Painting	3.0
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

<b>Total Required Major Units</b>	<b>24</b>
CSU General Education <i>or</i> IGETC Pattern	37-39
Double-Counted Units	-(6-9)
Electives (CSU Transferable units needed to reach 60)	<b>+</b> 3-8
<b>Total units required for the AAT Degree</b>	<b>60.0</b>



## USLA LIFEGUARD ACADEMY I

Proficiency Award  
(AWARDED BY THE DEPARTMENT)

This proficiency award recognizes the completion of the Oxnard College Lifeguard Academy I, a 90-hour introductory level course for aspiring emergency responders interested in career opportunities as Open Water Aquatic Rescuers either within lifeguard agencies or the fire service. This rigorous academy includes lecture and hands-on training in the ocean environment and follows the United States Lifesaving Association required course curriculum for Aquatic Rescue Response Teams and Open Water Lifeguard Certification. The course will include training in marine weather, aquatic hazards, communications, lifesaving rescue techniques, specialized equipment use, night rescues, medical aid, lifesaving history and aquatic agency career paths. To successfully complete the academy students must be athletically fit with strong swimming skills. *For more information contact: Gail Warner (805) 678-5026 [gwarner@vcccd.edu](mailto:gwarner@vcccd.edu)*

Required Core Courses		Units
FT R090	USLA Lifeguard Academy I	3.0
<b>Total Required Units For the Award</b>		<b>3.0</b>



## WILDLAND FIRE ACADEMY

**Proficiency Award**  
**(AWARDED BY THE DEPARTMENT)**

This course provides the entry level student with the fire behavior knowledge and firefighting skills relevant to basic incident command, wildland firefighting positions, basic crew configurations, firefighter safety in wildland environments, tool, equipment and fundamental water handling and fire suppression and tactics. *For more information contact: Gail Warner (805) 678-5026 [gwarner@vccd.edu](mailto:gwarner@vccd.edu)*

Required Core Courses		Units
FT R180	Wildland Fire Academy <i>*Prerequisites: FT R151 and EMT R079</i>	7.5
<b>Total Required Units For the Award</b>		<b>7.5</b>



## 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. *For more information contact: Alex Lynch (805) 678-5061*  
[alynch@vcccd.edu](mailto:alynch@vcccd.edu).

Required Core Courses		Units
[ ↻	CNIT R127 Wireless Networking Fundamentals	3.0
	<b>-and-</b>	
	CNIT R120 Cisco CCNA Computer Networking I	4.0
	<b>-or-</b>	
	CNIT R144 CompTIA Security+ Fundamentals and Certification Prep	<u>4.0</u>
<b>Total Required Units For the Award</b>		<b>7.0</b>