EMERGENCY MEDICAL TECHNOLOGY

◆ Emergency Medical Technology

Proficiency Award
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.

Required Courses:                      Units
EMT R169                   Emergency Medical Technician 6

Total Required Units 6

◆ Emergency Medical Technician-Refresher Courses

Proficiency Award
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.

Required Courses:                      Units
EMT R069                   Emergency Medical Technician-Refresher 1½

Total Required Units 1½

Emergency Medical Technology Courses

EMT R069—Emergency Medical Technician - 6 units
Basic
1½ hours lecture, ½ hour lab weekly
This course covers the knowledge and skills necessary for the individual to provide emergency medical care with an ambulance, fire or other specialized service at the BLS level. This course is approved by the Ventura County Emergency Medical Services Agency and the California State Department of Emergency Services. Upon successful completion of the skills testing and the course with a grade of B or better, the student will be eligible to take the EMT-B national Registry Examination, which is required for certification as an EMT-Basic. Materials fee is required. Field trips may be required. Formerly FT R169A.

Transfer credit: CSU

EMPLOYMENT PREPARATION

Employment Preparation Courses

EMP R001—Personal Development 3 units
3 hours lecture weekly
This course provides an opportunity for persons with disabilities to move beyond the traditional educational setting to planning for their lives. Small group and lecture formats are used as students review goal-setting, decision-making, disability-related law, problem-solving and personal advocacy. (2)

EMP R004—Pre-Employment Skills 2 units
2 hours lecture weekly
This class will help students with disabilities who have no or very little work experience. This introduction to the world of work will include the vocabulary of employment, social skills, personal presentation, identification of strengths and needs in an employment setting. Not applicable for degree credit. (2)

EMP R005—Job Seeking Strategies 2 units
2 hours lecture weekly
This course is for students with disabilities who wish to improve their job-seeking skills and will help students become better acquainted with their rights and obligations as employees. Topics will include decision-making, interview techniques, strategies for completing applications, and employer/employee responsibilities. Not applicable for degree credit. (2)

EMP R006—Career Exploration 2 units
2 hours lecture weekly
This course is designed to give students with disabilities an overview of occupational choices in light of interests, abilities, education, experience and research of employment trends. Legal protections and requirements will be examined in regard to current legislation. Assignments will include job shadowing, job try-out, and Internet job search. Job coaching will be available, if required. Field trips may be required. (2)

ENGINEERING TECHNOLOGY

The Engineering Technology program prepares students for excellent career opportunities that are in demand such as an electrical and electronics technician, computer network engineer, information technology specialist, and computer technician.

The Department offers an Associate in Science Degree or Certificate of Achievement in Engineering Technology and Computer Networking. The program is also articulated with 4-year universities which gives students the option of completing lower division Engineering Technology or Computer Networking (IT) coursework at Oxnard College and then transferring to a 4-year university to complete a bachelor’s degree. The program is part of a consortium of community colleges and area high technology industries funded by the National Science Foundation called Project CREATE which helps to ensure that our curriculum is current and approved by industry.

This is the only Engineering Technology Program in the VCCCD and the only community college in the area offering training in the lucrative field of programmable logic controllers (PLCs). In addition, many individual courses help prepare students for certification exams that are in demand by industry such as the International Society of Certified Electronics Technicians (ISCET) Associate-Level CET Exam, Cisco Certified Entry Networking Technician (CCENT), CompTIA A+, CompTIA Network+, CompTIA Security+, and the Microsoft Certified Professional (MCP) Exam. Oxnard College is an approved PearsonVUE Testing Center location and our relationship with Cisco and CompTIA provides students with significant discounts on certification exams.
Career Opportunities

Computer Network Engineer  
Engineering Technologist  
Information Technology Specialist  
PC Technician  
Programmable Logic Controller (PLC) Technician  
Sales Representative

For more information, contact:  
Alex Lynch, alynch@vcccd.edu  
(805) 986-5840

Faculty

Full-Time  
Alex Lynch  
Richard Carmichael  
Dirk DeKreek  
Doug Hardie  
Jess Sandoval  
Albert Wolfkiel

Part-Time  

◆ Computer Networking

Associate in Science Degree  
Certificate of Achievement*  
*Pending for State Approval.

Required Courses  

ENGT R120  Cisco CCNA Computer Networking 1 & 2  4  
ENGT R121  Cisco CCNA Computer Networking 3 & 4  4  
ENGT R130  Administering Microsoft Windows Desktop Operating System  3  
ENGT R142  A+ Computer Technician & Certification Preparation  4  
ENGT R145  CompTIA Security+ Certification Preparation  3  
ENGT R150  Introduction to Computer Network Technology  3  

Total Core Units  21

Required Additional Courses:  

Complete a minimum of 9 units from the following courses:  
CIS R101  Programming Principles and Design  3  
CIS R112A  JAVA Programming I  3  
CAOT R122  Microsoft Office  3  
COT R190V  Occupational Cooperative Work Experience  1-4  
ENGT R108  Fundamentals of Electronics and Electric Technology  3  
ENGT R110  Direct Current Engineering  4  
ENGT R111  Alternating Current Engineering  4  
ENGT R127  Cisco Wireless Fundamentals Server  3  
ENGT R143  CompTIA Linux+ Fundamentals & Certificate Preparation  3  
ENGT R144  Network+ Certification Preparation  4  

Electives Units  9  

Total Required Units  30

Program Student Learning Outcomes

Upon successful completion of the Computer Networking program students will be able to:

• Upon completion of the Computer Networking Program, students will be able to read, comprehend and interpret various types of published ideas.

• Upon completion of the Computer Networking Program, students will be able to use logic to draw well supported conclusion from information given.

• Upon completion of the Computer Networking Program, students will be able to apply rules and principles to new situations.

• Upon completion of the Computer Networking Program, students will be able to conduct research and information gathering using a variety of sources such as: texts, tables, graphs, maps, media, personal communication, observation, and electronic databases.

◆ Engineering Technology

Associate in Science Degree  
Certificate of Achievement*  
*Pending for State Approval.

Required Courses  

ENGT R108  Fundamentals of Electronics and Electric Technology  3  
ENGT R110  Direct Current Engineering  4  
ENGT R111  Alternating Current Engineering  4  
ENGT R112  Digital and Analog Circuits  4  
ENGT R114  Introduction to Programmable Logic Controllers  4  
ENGT R115  Advanced Programmable Logic Controllers  4  

Total Core Units  23

Required Additional Courses  

Complete a minimum of 7 units from the following courses:  
ENGT R120  Cisco CCNA Computer Networking 1 & 2  4  
ENGT R121  Cisco CCNA Computer Networking 3 & 4  4  
ENGT R130  Administering Microsoft Windows Desktop Operating System  3  
ENGT R142  A+ Computer Technician & Certification Preparation  4  
ENGT R144  Network+ Certification Preparation  4  
ENGT R150  Introduction to Computer Network Technology  3  

Electives Units  7  

Total Required Units  30

Program Student Learning Outcomes

Upon successful completion of the Engineering Technology program students will be able to:

• Upon completion of the Engineering Technology Program, students will be able to read, comprehend and interpret various types of published ideas.

• Upon completion of the Engineering Technology Program, students will be able to use logic to draw well supported conclusion from information given.

• Upon completion of the Engineering Technology Program, students will be able to apply rules and principles to new situations.

• Upon completion of the Engineering Technology Program, students will be able to conduct research and information gathering using a variety of sources such as: texts, tables, graphs, maps, media, personal communication, observation, and electronic databases.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Lecture/Lab Hours</th>
<th>Prerequisites/Advisory</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGT R098</td>
<td>Short Courses in Engineering Technology</td>
<td>½-10</td>
<td>Varies</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R108</td>
<td>Fundamentals of Electronics and Electric Technology</td>
<td>3</td>
<td>2% lecture, 6% lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R110</td>
<td>Direct Current Engineering</td>
<td>4</td>
<td>2 hours lecture, 6 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R111</td>
<td>Alternating Current Engineering</td>
<td>4</td>
<td>2 hours lecture, 6 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R112</td>
<td>Digital and Analog Circuits</td>
<td>4</td>
<td>2 hours lecture, 6 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R114</td>
<td>Introduction to Programmable Logic Controllers</td>
<td>4</td>
<td>2 hours lecture, 6 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R115</td>
<td>Advanced Programmable Logic Controllers</td>
<td>4</td>
<td>2 hours lecture, 6 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R120</td>
<td>Cisco CCNA Computer Networking 1 &amp; 2</td>
<td>4</td>
<td>3 hours lecture, 3 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R121</td>
<td>Cisco CCNA Computer Networking 3 &amp; 4</td>
<td>4</td>
<td>3 hours lecture, 3 hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R127</td>
<td>Cisco Wireless Fundamentals</td>
<td>3</td>
<td>2½ hours lecture, 1½ hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
<tr>
<td>ENGT R130</td>
<td>Administering Microsoft Windows Desktop Operating System</td>
<td>3</td>
<td>2½ hours lecture, 1½ hours lab weekly</td>
<td>Field trips may be required.</td>
</tr>
</tbody>
</table>
ENGT R131—Administrating Microsoft Windows Server
3 units
2½ hours lecture, 1½ hours lab weekly
This course provides in-depth, hands-on introduction to the latest Microsoft Windows Server operating system administration including configuring server roles, maintaining server availability with clusters, planning a TCP/IP network infrastructure, and deploying security features. This is one of the two required core courses to become a Microsoft Certified Professional (MCP) and prepares students for related Microsoft exam. This course is an elective in the Computer Networking A.S. Degree track in the Engineering Technology Department. Field trips may be required. Transfer credit: CSU

ENGT R142—A+ Computer Technician & Certification Preparation
4 units
2 hours lecture, 6 hours lab weekly
This course provides instruction and hands-on training in the areas of hardware installation, software configuration, diagnosing problems, preventative maintenance, repairing, and basic networking. Students will also receive instruction on safety and environmental considerations. In addition, this course prepares students to earn a CompTIA A+ certification at the Oxnard College PearsonVUE Testing Center. Certification voucher discounts are available to Oxnard College students. Field trips may be required. Transfer credit: CSU

ENGT R143—CompTIA Linux+ Fundamentals & Certification Preparation
3 units
2½ hours lecture, 1½ hours lab weekly
This course provides instruction and hands-on training on the Linux operating system, which has surged in popularity. Students will gain an understanding of an open-source operating system, perform a Linux installation, administer user accounts and file settings, and customize settings of the operating system. The course will also cover networking with Linux, security issues, and interoperability with other operating systems. In addition, this course prepares students to earn a CompTIA Linux+ certification at the Oxnard College PearsonVUE Testing Center. Certification voucher discounts are available to Oxnard College students. Field trips may be required. Transfer credit: CSU

ENGT R144—CompTIA Network+ Fundamentals
4 units
Advisory: ENGT R150.
3 hours lecture, 3 hours lab weekly
The CompTIA Network+ certification is an internationally recognized validation of the technical knowledge required of foundation-level IT network practitioners. A student who successfully completes this course should have the knowledge and hands-on skills necessary to design, install, manage, and troubleshoot a network infrastructure including wireless and should be prepared for the CompTIA Network+ certification. Field trips may be required. Transfer credit: CSU

ENGT R145—CompTIA Security+ Certification Preparation
3 units
2½ hours lecture, 1½ hours lab weekly
The Security+ course covers a wide variety of topics including communication security, infrastructure security, cryptography, access control, authentication, external attack and operational and organization security. This course prepares students to take a CompTIA Security+ Certification Exam that validates security knowledge. Field trips may be required. Transfer credit: CSU

ENGT R150—Introduction to Computer Network Technology
3 hours lecture
This course is a technical introduction to the personal computer and computer networking and is designed for students who desire to become computer literate and potentially continue to more advanced computer networking courses. Topics include the personal computer, hardware, application software, operating systems, data communications infrastructure and the Internet. Additionally, web communication will be explored including e-mail, IM, chat, blogs, wikis, VoIP, podcasts, and social networking websites. (2) Transfer credit: CSU

ENGT R198A-Z—Short Courses in Engineering Technology
1½-6 units
Lecture and/or lab hours as required by unit formula
Courses and/or workshops in selected areas of Engineering Technology are developed to meet specific needs of the industry as requested or required. Field trips may be required. Transfer credit: CSU

ENGLISH
The English program offers a wide variety of courses in reading, writing, and literature, leading to the degree of Associate in Arts. Students can take the full range of literature survey courses required to transfer as an English major at our local public universities: CSUCI, UCSB, CSUN, UCLA. Students who want to study great literature in English, but who aren't English majors, have the option of parallel sections of the English and American literature survey courses. And we regularly schedule a variety of elective courses in creative writing, literature, and cinema.

The English program also offers multiple sections of transfer-level and developmental writing courses to give students the writing skills to succeed in college, to write in the workplace, and to meet university transfer requirements. We also have developmental and college-level reading and vocabulary courses, some of which can be completed at the student’s own pace in the college Learning Center.

For more information, contact:
James Merrill, Department Chair, jmerrill@vcccd.edu
(805) 986-5800, ext. 1949

Career Opportunities

B.A. Level
(Most careers require a bachelor’s degree)
Copywriter Copy Editor
Editor Journalist
Lawyer Proofreader
Novelist Playwright
Report Writer

Faculty

Full-Time
Teresa Bonham Elaine Alarcon-Totten
Elissa Caruth Betty Benson
Gaylene Croker Eric Boyes
Patricia Dozen Susan Brown
Lynn Fauth Deborah DeVries
James Merrill Deborah Finch
Jeannette Redding Elizabeth Hermes
Anthony Rodriguez Susan Jones
Matilde Sánchez Patrick Newton
Shelley Savren Margaret M
Vernon Simmen Patricia Scroggins
Karen Sutton Peggy Smith
Beverley Young

Part-Time

(1)=Pass/No Pass Only (2)=Pass/No Pass at Student's Option

OXNARD COLLEGE CATALOG 2011-2012 147