

Oxnard College - A.S. Degrees

Associate of Science Degree in Electrical Engineering Technology

<u>Sem 1</u>		<u>Units</u>
EngT R140	Upgrading and Repairing PCs	4
EngT R110	Direct Current Electronics	4
<u>Sem 2</u>		
EngT R142	A+ Certification Prep	4
EngT R111	Alternating Current Electronics	4
<u>Sem 3</u>		
EngT R112	Digital Engineering	4
EngT R114	Intro to Programmable Logic Controllers	4
<u>Sem 4</u>		
EngT R113	Circuits Engineering	4
EngT R115	Advanced Programmable Logic Controllers	4
	General Education courses	30

Associate of Science Degree in Cisco Computer Networking

<u>Sem 1</u>		<u>Units</u>
EngT R140	Upgrading and Repairing PCs	4
EngT R120	First Half of CCNA Prep	4
<u>Sem 2</u>		
EngT R110	Direct Current Electronics	4
EngT R121	Second Half of CCNA Prep	4
<u>Sem 3</u>		
EngT R111	Alternating Current Electronics	4
EngT R142	A+ Certification Prep	4
<u>Sem 4</u>		
EngT R112	Digital Engineering	4
EngT R126	CCDA Preparation	4
	General Education courses	30

Associate of Science Degree in Microsoft Computer Networking

<u>Sem 1</u>		<u>Units</u>
EngT R140	Upgrading and Repairing PCs	4
EngT R130	Admin Win2000 Pro	4
<u>Sem 2</u>		
EngT R131	Admin Win2000 Server	4
EngT R132	Admin Win2000 Infrastruct	4
<u>Sem 3</u>		
EngT R133	Admin Win2000 Directory	4
EngT R134	Design Win2000 Directory	4
<u>Sem 4</u>		
EngT R135	Design Win2000 Security	4
EngT R136	Design a Win2000 Network	4
	General Education courses	30

Engineering Technology Courses (EngT)

ENGT R120*—First Half of CCNA Preparation 4 units

2 hours lecture, 6 hours lab weekly

This is the first of two courses that provide students with the knowledge to plan, implement, and administer a Local Area Network. These two courses also prepare students to take the Cisco Certified Networking Associate exam (CCNA). Field trips may be required.

ENGT R121*—Second Half of CCNA Preparation 4 units

Prerequisites: ENGT R120.

2 hours lecture, 6 hours lab weekly

This is the second of two courses that provide students with the knowledge to plan, implement, and administer a Local Area Network. These two courses also prepare students to take the Cisco Certified Networking Associate exam (CCNA). Field trips may be required.

ENGT R130*—Administering Microsoft Windows 2000 Professional 4 units

2 hours lecture, 6 hours lab weekly

This course teaches students to set up and support the Windows 2000 Professional desktop operating system. It also helps prepare students for Microsoft's certification exam 70-210, "Installing, Configuring and Administering Microsoft Windows 2000 Professional." This exam is one of Microsoft's required core exams for those wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R131*—Administering Microsoft Windows 2000 Server 4 units

2 hours lecture, 6 hours lab weekly

This course teaches students to set up and support the Windows 2000 Server operating system. It also helps prepare students for Microsoft's certification exam 70-215, "Installing, Configuring and Administering Microsoft Windows 2000 Server." This exam is one of Microsoft's required core exams for anyone wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R132*—Administering Microsoft Windows 2000 Network Infrastructure 4 units

2 hours lecture, 6 hours lab weekly

This course teaches students to set up and support a Windows 2000 Network Infrastructure. It also helps prepare students for Microsoft's certification exam 70-216, "Implementing and Administering a Microsoft Windows 2000 Network Infrastructure." This exam is one of Microsoft's required core exams for anyone wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R133*—Administering Microsoft Windows 2000 Directory Services 4 units

2 hours lecture, 6 hours lab weekly

This course teaches students to set up and support a Windows 2000 Directory Services.

It also helps prepare students for Microsoft's certification exam 70-217, "Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure." This exam is one of Microsoft's required core exams for anyone wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R134*—Designing Microsoft Windows 2000 Directory Services 4 units
2 hours lecture, 6 hours lab weekly

This course teaches students to design a Windows 2000 Directory Services. It also helps prepare students for Microsoft's certification exam 70-219, "Designing Windows 2000 Directory Services." This is one of the seven exams needed for anyone wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R135*—Designing Microsoft Windows 2000 Security 4 units
2 hours lecture, 6 hours lab weekly

This course teaches students to design security for a Windows 2000 network. It also helps prepare students for Microsoft's certification exam 70-220, "Designing Security for Windows 2000." This is one of the seven exams needed for anyone wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R136*—Designing a Microsoft Windows 2000 Network 4 units
2 hours lecture, 6 hours lab weekly

This course teaches students to design a Windows 2000 Network. It also helps prepare students for Microsoft's certification exam 70-221, "Designing Windows 2000 Network." This is one of the seven exams needed for anyone wishing to become a Microsoft Certified Systems Engineer (MCSE). Field trips may be required.

ENGT R140*—PC Repair and Upgrade 4 units
2 hours lecture, 6 hours lab weekly

This is an introductory course in the repair and upgrade of personal computers. It is for those students desiring hands-on experience in computer repair and upgrade but are not prepared for the more rigorous certification courses. Subjects include safety, troubleshooting, assembly, hardware upgrades, memory upgrades, and operating system upgrades. Field trips may be required.

ENGT R142*—A+ Certification Preparation 4 units
2 hours lecture, 6 hours lab weekly

This course provides instruction in computer repair and upgrade. This course also prepares students to take the two required exams for the Computing Technology Industry Association (CompTIA) A+ certification. Field trips may be required.

ENGT R110—Direct Current Electronics 4 units
2 hours lecture, 6 hours lab weekly

This course helps prepare students for the more rigorous study of direct current electronics found at four-year engineering schools. Students will use various engineering techniques to design, draft, construct, test, and evaluate direct current circuits. This course also helps those seeking employment as electronic technicians.

Field trips may be required.

Transfer credit: CSU

ENGT R111—Alternating Current Electronics 4 units

Prerequisites: ENGT R110.

2 hours lecture, 6 hours lab weekly

This course helps prepare the student for the more rigorous study of alternating current electronics found at four-year engineering schools. Students will use various engineering techniques to design, draft, construct, test, and evaluate alternating current circuits. The course also helps prepare those seeking employment as electronic technicians. Field trips may be required.

Transfer credit: CSU

ENGT R112*—Digital Engineering 4 units

3 hours lecture, 3 hours lab weekly

This course helps prepare the student for the more rigorous study of digital engineering found at four-year engineering schools. Students will use various engineering techniques to design, draft, construct, test and evaluate digital circuits. The course also helps prepare those seeking employment as engineering technicians. (2)

Transfer credit: CSU

ENGT R113*—Circuits Engineering 4 units

Prerequisites: ENGT R111.

3 hours lecture, 3 hours lab weekly

This course helps prepare the student for the more rigorous study of circuits engineering found at four-year engineering schools. Students will use various engineering techniques to design, draft, construct, test and evaluate electronic circuits. The course also helps prepare those seeking employment as engineering technicians. (2)

Transfer credit: CSU

ENGT R114*—Introduction to Programmable Logic Controllers 4 units

Prerequisites: ENGT R111 or AC R021.

3 hours lecture, 3 hours lab weekly

A beginning course on the principles of how PLCs work. Course provides practical information about installing, programming, and maintaining PLC systems. Course is designed to help students acquire the necessary qualifications to work in the automation industry.

Transfer credit: CSU

ENGT R115*—Advanced Programmable Logic Controllers 4 units

Prerequisites: ENGT R114.

3 hours lecture, 3 hours lab weekly

In this second course on Programmable Logic Controllers, emphasis is on advanced programming, editing, and troubleshooting. Course is designed to help students acquire the necessary qualifications to work in the automation industry.