

# COMPUTER ENGINEERING TECHNOLOGY (NETWORKING)

## Microcomputer Repairer/Installer

### Technical Certificate

This certificate program prepares the student with excellent preparation for employment as a computer support specialist, help desk specialist, computer system analyst, and/or computer service representative. Students who complete this program will have the expertise needed to take CompTia certification A+ and Network+ examinations.

#### FOUNDATION COURSES

Course	Title	Credits
EET 1214C	Introduction to Engineering Technology	2 <sup>3</sup>
CET 2178C	A+ Concepts (Hardware)	3
CET 2179C	A+ Concepts (Software)	3
CET 2486C	Local Area Networks	3
	Microcomputer Repairer/Installer Electives	4 <sup>3</sup>
<b>Total Certificate Credits</b>		<b>15</b>

#### MICROCOMPUTER REPAIRER/INSTALLER ELECTIVES

Course	Title	Credits
* CET 2588	Network+	4
* CET 2811	Microsoft Windows XP Professional	4
* CET 1600C	Cisco Networking Fundamentals	4
* CET 2854	Wireless Networks	3
* CET 2942	Internship in Networking	1

#### NOTE:

All certificate courses are offered on the West Campus; some courses are offered at other locations.

## Microsoft Systems Administrator (MCSA)

### Technical Certificate

This certificate program is designed to provide students with the skills necessary to implement, manage and troubleshoot existing Microsoft network and server 2003 environments. The program helps prepare students to take the Microsoft certification examinations, including the Microsoft Certified Professional (MCP), Microsoft Certified Systems Administrator (MCSA), and CompTia certification examinations.

#### FOUNDATION COURSES

Course	Title	Credits
CET 2178C	A+ Concepts (Hardware)	3
CET 2486C	Local Area Networks	3
* CET 2811	Microsoft Windows XP Professional	4
* CET 2722	Microsoft Windows Server 2003 Environment	3
* CET 2792	Microsoft Windows Server 2003 Network Microsoft Systems Administrator Elective(s)	4
<b>Total Certificate Credits</b>		<b>21</b>

#### MICROSOFT SYSTEMS ADMINISTRATOR ELECTIVES

Course	Title	Credits
* CET 2810	Microsoft Exchange 2003 Server Implementation and Administration	4
* CET 2812	SQL Server 2000 System Administration	4
* CET 2588	Network+	4
CET 2179C	A+ Concepts (Software)	3

#### NOTES:

CET 2810 or CET 2812 or both CET 2588 and CET 2179C will satisfy the Microsoft elective requirement for the MCSA industry certification.

All certificate courses are offered on East and West Campuses; some courses are offered at other locations.

## Microsoft Systems Engineer (MCSE)

### Technical Certificate

This certificate program is designed to provide students with the skills necessary to install and maintain Windows 2003 operating systems. The program helps prepare students to take the Microsoft certification examinations, including the Microsoft Certified Systems Engineer (MCSE) examinations.

#### FOUNDATION COURSES

Course	Title	Credits
* CET 2722	Microsoft Windows Server 2003 Environment	3
* CET 2792	Microsoft Windows Server 2003 Network	4
* CET 2811	Microsoft Windows XP Professional	4
* CET 2793	Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure	4
* CET 2794	Microsoft Windows Server 2003 Active Directory	4
* CET 2795	Designing Microsoft Windows Server 2003 Active Directory Infrastructure	4
	Microsoft Systems Engineer Elective	4
<b>Total Certificate Credits</b>		<b>27</b>

#### MICROSOFT SYSTEMS ENGINEER ELECTIVES

Course	Title	Credits
* CET 2810	Microsoft Exchange 2003 Server Implementation and Administration	4
* CET 2812	SQL Server 2000 System Administration	4

#### NOTE:

All certificate courses are offered on East and West Campuses; some courses are offered at other locations.

Specialized courses may not be offered every session or on every campus.  
 + This course must be completed with a grade of C or better.  
 \* This course has a prerequisite; check description in Valencia catalog.