

CAREER STUDIES CERTIFICATE (221-731-68)

## Microcomputer Systems Technology

**Purpose:** This program is designed to prepare a student for employment in the microcomputer-based telecommunications industry ranging from video and display systems to computer systems and networks. The curriculum involves three semesters of study and practice in specific technical subjects required for competence in this field. Emphasis on the basics along with hands-on troubleshooting of electronic systems affords graduates flexibility in choosing an occupation. Courses on A+® Certification and Cisco® CCNA™ are included in the curriculum.

**Occupational Objectives:** Computer technician, LAN/WAN technician, and technical representative/salesperson.

**Admission Requirements:** Applicants must meet the general admission requirements for admission to the college. Proficiency in high school English and completion of Algebra I. To be successful in this program, students must have Math and English competency to be placed in Algebra I and English. Students not achieving this level will be required to take developmental courses or receive departmental approval.

CURRICULUM AND OTHER REQUIREMENTS	CREDITS
<b>MICROCOMPUTER SYSTEMS TECH AND RELATED COURSES</b>	
ETR 113* .....	DC and AC Fundamentals I .....4
ETR 123-124**	Electronic Applications I-II .....2
ETR 141-142**	Electronics I-II .....6
ETR 285 .....	Fundamentals of Microcomputer Repair .....4
TEL 150-151* ..	Internetworking I-II .....8
<b>Total Minimum Credits for Certificate .....</b>	<b>24</b>

*\* This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*  
*\*\*This course has a co-requisite. Co-requisites for all courses are listed in the course description section at the back of the catalog.*

**SUGGESTED SCHEDULE**

FIRST YEAR	SPRING
<b>FALL</b>	
ETR 113	ETR 123
TEL 150	ETR 141
	ETR 285
	TEL 151
<b>SECOND YEAR</b>	
<b>FALL</b>	
ETR 124	
ETR 142	

