

## CAREER OPTIONS



PC Service Technician  
• Computer Network Support  
Specialist • Computer  
User Support Specialist •  
Networking Cabling Specialist

## ANNUAL SALARY



Entry level to experience

**\$44,000 - \$118,000**

## INDUSTRY CERTIFICATIONS



A+ Certification  
Cisco Certified Networking Associate  
Security Network  
Fiber Optics  
N+ Certification

## PROFESSIONAL ASSOCIATIONS

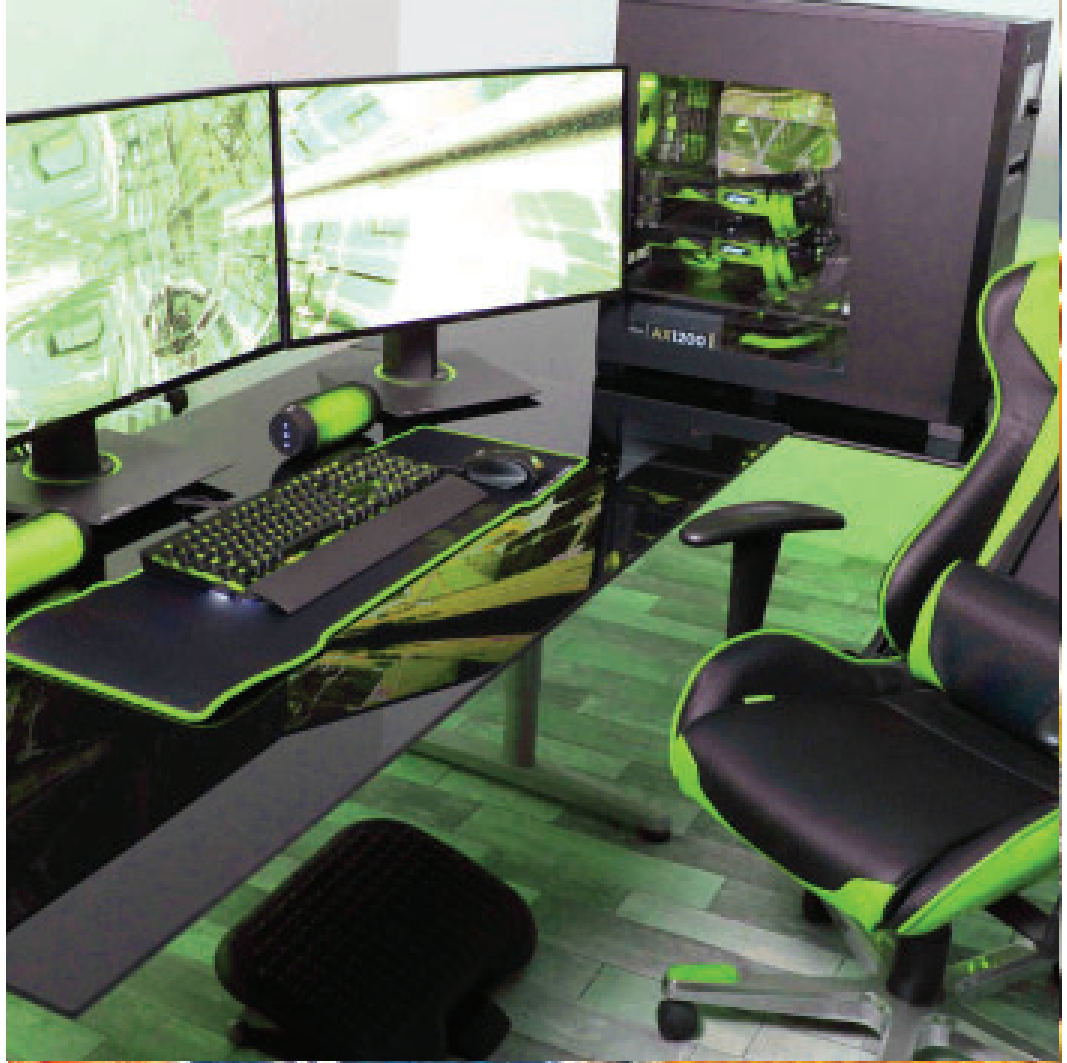


Cisco Systems  
CompTIA  
Fiber Optics Association  
Networking Cabling

## estimated cost of TOOLS & SUPPLIES



|                |            |
|----------------|------------|
| Safety Glasses | \$1-45     |
| Uniform Shirt  | \$35-55    |
| Uniform Pants  | \$15-40    |
| Tools          | \$50-\$500 |
| Textbooks      | \$300      |



Los Angeles Trade-Technical College

# INFORMATION TECHNOLOGY (IT Networking)

Students can acquire the basic skills and knowledge to earn the Microcomputer Technician Associate in Science Degree / Certificate of Achievement. This program will not only prepare students for an award, but will also prepare them for the A+ Certification exam, and help them prepare for the Cisco Certified Networking Associate (CCNA).

By fulfilling the program requirements, students are able to format a computer, install the operating system, and install all the necessary drivers. Students will be able to successfully configure and create a network system consisting of a number of computers all for employment in a field related to microcomputer technician.



## Degree and Certificate

To earn an **Associate in Science degree** students should complete the 42 units of Required Courses with a "C" or better in each course, and the general education courses under the **GE Graduation Plan**.

Requirements for the **Certificate of Achievement** may be met by completing 42 units of Required Courses with a "C" or better in each course.



| Award                         | Required Courses | Major Electives | GE Graduation Plan |
|-------------------------------|------------------|-----------------|--------------------|
| ○ Associate of Science Degree | 42 units         |                 | ~18 units          |
| ● Certificate                 | 42 units         |                 |                    |

### Required Courses ○●

| Term                | Subject     | Course Title                                       | Units |
|---------------------|-------------|----------------------------------------------------|-------|
| <b>Semester I</b>   | MICROTK 160 | I.T. Essentials Application Software Fundamentals  | 2     |
|                     | MICROTK 162 | I.T. Essentials Networking Personal Computers      | 4     |
|                     | MICROTK 164 | I.T. Essentials Microcomputer Theory and Servicing | 5     |
| <b>Semester II</b>  | MICROTK 077 | Cisco Networking Academy                           | 3     |
|                     | ETNTLGY 252 | Networking Cabling Specialist                      | 3     |
|                     | ETNTLGY 253 | Fiber Optics                                       | 3     |
|                     | ETNTLGY 254 | Computer Applications for Electronics Technology   | 3     |
| <b>Semester III</b> | ELECTRN 002 | Introduction to Electronics                        | 3     |
|                     | MICROTK 078 | Cisco Networking Academy                           | 3     |
|                     | PHYSICS 011 | Introductory Physics                               | 4     |
| <b>Semester IV</b>  | MICROTK 079 | Cisco Networking Academy                           | 3     |
|                     | MICROTK 080 | Cisco Networking Academy                           | 3     |
|                     | MICROTK 165 | Linux Survival Course                              | 3     |

### GE Graduation Plan Courses ○

Meet with the ATM Pathway Counselor to select **Guided Choices** sequence of courses or other GE courses

|                          | Units      |
|--------------------------|------------|
| <b>Guided Choices</b>    | <b>~18</b> |
| Area A: Electronics 002  |            |
| Area B1: History 12      |            |
| Area C: Humanities 60    |            |
| Area D1: English 101     |            |
| Area D2: Mathematics 227 |            |

## STUDENT SUPPORT

The ATM Pathway Counselor can assist you plan your academic, transfer, and career success while connecting you to essential resources.

Los Angeles Trade Technical College

**School of Advanced Transportation & Manufacturing (ATM)**

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