CERTIFICATE IN INFORMATION TECHNOLOGY

The Information Technology Certificate of Achievement is one of several certificate options available in the Information Technology and Information Systems (ITIS) program. The core competencies for this certificate include foundational skills in Information technology (ITIS 104-Information Technology, ITIS 107-Network Technology, and ITIS 115-Computer Information Systems) as well as foundational skills in computer programming (ITIS 141-Programming Fundamentals). These four foundational courses are also required in the other ITIS certificates. Students will advance from the core competencies to develop those skills sought after by IT employers. These include networking, security, IP communications, project management, software support, device integration, and ethics.

The certificate prepares the student for an entry level position in information technology such as Computer User Support Specialist (SOC Code: 15-1151), Computer Network Specialist (SOC Code: 15-1152), and Computer Operations (SOC Code: 15-1199). During the program students will also have an opportunity to complete industry certifications from CompTIA, including A+, Network+, Server+, and Security+.

Learning Outcomes

Certificate of Achievement Level Student Learning Outcomes

Students completing the Information Technology Certificate of Achievement will:

1. Demonstrate knowledge and proficiency in installing and maintaining computer hardware, installing and maintaining computer networks, and solving computer hardware and network problems.
2. Demonstrate knowledge and skills in various areas of IT (information technology) to pass industry-approved certifications.
3. Demonstrate the knowledge, skill and behaviors needed to obtain an entry-level position as a computer hardware installer/technician, computer network technician, field service technician, network and communication specialist/technician, or other related field of information technology.

Requirements

Code	Title	Units
Required courses:		
ITIS 104	Information Technology	4
ITIS 107	Network Technology	4
ITIS 115	Computer Information Systems	3.5
ITIS 141	Programming Fundamentals	3
Complete two (2) of the following courses:		
ITIS 108	Network Operating Systems	4
ITIS 109	Network and Computer Security	4
ITIS 165	Database Principles Using SQL	3
BUS 152	Business Communications	3
Complete one (1) of the following MATH courses:		
MATH 144	Technical Mathematics	5
MATH 165	Introductory Statistics [1]	4
or MATH 165H	Introductory Statistics - Honors	
Total Units		**24.5-27.5**

[1] MATH 165 is degree applicable with or without MATH 065. If taken with MATH 065, only the units for MATH 165 will be counted towards the degree.

Curriculum Map

1-Year Curriculum Map Example
This map represents one possible pathway through the program and is only for reference.

*It is highly recommended that you make an appointment (https://www.citruscollege.edu/stdntsrv/counsel/Pages/ApptSchedule.aspx) to create a customized education plan that fits your needs.

Course	Title	Units
Fall Term 1		
ITIS 104	Information Technology	4
ITIS 107	Network Technology	4
ITIS 141	Programming Fundamentals	3
	Units	**11**
Winter Term 1		
ITIS 115	Computer Information Systems	3.5
	Units	**3.5**
Spring Term 1		
BUS 152	Business Communications	3
MATH 144	Technical Mathematics	5
ITIS 108 or ITIS 109 or ITIS 165	Network Operating Systems or Network and Computer Security or Database Principles Using SQL	3
	Units	**11**
	Total Units	**25.5**

 Note: Course selections may affect total unit value.

Career Information

Career Opportunities

There are a variety of careers you can do with this major.

To explore more about this major, schedule an appointment (https://www.citruscollege.edu/stdntsrv/ctcenter/Pages/ApptSchedule.aspx) with a career counselor.