

CERTIFICATIONS

CSCC 8001 CompTIA A+ 1 (Core 1 Exam 220-1101) Certification

Gain the necessary training to prepare for the CompTIA A+ Certification (Core 1 Exam 220-1101). In this course, students will learn the fundamental concepts of computer systems architecture including the CPU, memory, computer Input and Output, operating systems and file management. Students will gain an understanding of how computer systems architecture can be implemented and properly maintained to support the needs of an organization. At the end of this course, students will be ready to sit for the exam and take the first step to become CompTIA A+ certified. 3 credits.

- 45 clock hours/3.0 PDUs
- Successful completion of this exam may substitute for a course in a University of Massachusetts Global degree program

CSCC 8004 CompTIA A+ 2 (Core 2 Exam 220-1002) Certification

Gain the necessary training to prepare for the CompTIA A+ Certification (Core 2 Exam 220-1002). In this course, students will learn operating system basics and operating system administration. Students will gain an understanding of how computer systems architecture can be implemented and properly maintained to support the needs of an organization. Throughout this course, students will gain an understanding of how operating systems are installed and configured and used in various business settings and review how to troubleshoot common computer and operating system issues and identify common security threats to computer resources. At the end of this course, students will be ready to sit for the exam and take the next step to become CompTIA A+ certified. 3 credits.

- 45 clock hours/3.0 PDUs
- Successful completion of this exam may substitute for a course in a University of Massachusetts Global degree program

CSCC 8000 CompTIA Cloud+ Certification

Gain the necessary training to prepare for the CompTIA Cloud+ Certification. In this course, students will learn how to develop, maintain, and deploy cloud computing and virtualization technologies. This course will help students as an IT professionals understand the business value of cloud computing and learn about industry best practices to deploy cloud technologies. Students will also learn about security in the cloud and how to manage the virtual components of the cloud. This knowledge will help students in projects dealing with cloud computing and virtualization. At the end of this course, students will be ready to sit for the exam and take the next step to become CompTIA Cloud+ Certified. 3 credits.

- 45 clock hours/3.0 PDUs
- Successful completion of this exam may substitute for a course in a University of Massachusetts Global degree program

TECU 8039 Project+

This course is centered on information technology (IT) projects. The course will provide you with the concepts and processes involved in project management. There four major domains covered in this course: Project Management Concepts, Project Life Cycle Phases, Tools and Documentation, and Basics of IT and Governance The course maps to the CompTIA Project+ exam. 3 credits.

- 48 clock hours/3.0 PDUs

TECU 8040 Security+

This course provides the basic knowledge needed to plan, implement, and maintain information security in a vendor-neutral format; this includes risk management, host and network security, authentication and access control systems, cryptography, and organizational security. The course maps to the CompTIA Security+ SYO-701 exam. 3 credits.

- 45 clock hours/3.0 PDUs

TECU 8020 Cloud Networking Specialist

Cloud Networking Specialist equips the student with the knowledge and skills needed to prepare for entry-level cloud-based networking careers. This course is a hands-on, career-oriented e-learning solution that emphasizes practical experience. Cloud Networking Specialist aims to develop an in-depth understanding of cloud-based networking principles as well as the tools and configurations required to design a cloud-based network. Various types of hands-on labs provide practical experience, including procedural and troubleshooting labs, skills integration challenges, and model building. All hands-on labs in the course can be completed via Packet Tracer. Most chapters include Packet Tracer-based skills integration challenges that are cumulative throughout the course. The course prepares students to take an optional Cisco Cloud Collaboration Solutions (CCS) 500-301 certification exam on the last day of class. 1.5 credits.

- 20 clock hours/1.5 PDUs

TECU 8034 Cloud Computing Essentials Level 1

Cloud Computing Essentials Level 1 equips the student with the knowledge and skills needed to prepare for entry level cloud-based networking careers. This course is a hands-on, career-oriented e-learning solution that emphasizes practical experience. It is a blended curriculum with both online and classroom learning. Cloud Computing Essentials Level 1 aims to develop an in-depth understanding of cloud-based networking principles as well as the tools and configurations required to design a cloud-based network. 1.5 credits.

- 24 clock hours/1.5 PDUs

TECU 0033 IT Fundamentals

In this introductory course, students will learn the basics of computer hardware, software, mobile computing, networking, troubleshooting, and emerging technologies. Students will learn about configuring operating systems, file and folder management, networks and network configuration, and the role of the OSI model in networking and troubleshooting. This course will also prepare students for the CompTIA IT Fundamentals Certification exam. 4 credits.

- 40 clock hours/4.0 CEUs

TECU 8019 Network+

Network+ equips the student with the knowledge and skills needed to prepare for entry-level networking careers. This course is a hands-on, career-oriented e-learning solution that emphasizes practical experience. Network+ aims to develop an in-depth understanding of networking principles as well as the tools and configurations required to design a network. Various types of hands-on labs provide practical experience, including procedural and troubleshooting labs, skills integration challenges, and model building. All hands-on labs in the course can be completed via Packet Tracer. Most chapters include Packet Tracer-based skills integration challenges that are cumulative throughout the course. The course prepares students to take an optional CompTIA Network+ certification exam on the last day of class. 2.7 credits.

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- 40 clock hours/2.7 PDUs