

STAY ON COURSE



*Guided Pathways to
Success for STEM*

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**CONTACT THE
NAVIGATOR!**

SHELLY ARMSTRONG
413.236.1639
sarmstrong@berkshirecc.edu

berkshirecc.edu/gpstem

NETWORKING

What our College & Career Navigator can do for you:

- Assists in registering for GPSTEM programs at BCC
- Help with GPSTEM career pathways plan
- Help students overcome barriers that could prevent student success
- Direct students to internal and external resources for assistance
- Guide students through the process of registration, funding sources and general questions
- Guidance for Transfer or Employment
- Connect students to BerkshireWorks, the county's one-stop career center, providing comprehensive services for job-seekers including career readiness, placement and unemployment services.
- One-on-one assistance throughout their educational career from admissions to employment or transfer



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Berkshire Community College is an affirmative action/equal opportunity institution and does not discriminate on basis of race, creed, religion, color, gender, gender identity, sexual orientation, age, disability, genetic information, maternity leave, military service, and national origin in its education programs or employment. pursuant to Massachusetts General Laws: Chapter 151B and 151C; Title VI, Civil Rights Act of 1964; Title IX; Education Amendments of 1972; Section 504; Rehabilitation Act of 1973; Americans with Disabilities Act; and regulations promulgated thereunder, 34 C.F.R. Part 100 (Title VI), Part 106 (Title IX) and Part 104 (Section 504). All inquiries concerning application of the above should be directed to Deborah Cote, Vice President for Human Resources and Affirmative Action Officer; and Coordinator of Title IX and Section 504, at 413-236-1022, SBA Annex, Room A-20.

Accommodations for students with disabilities: It is a college policy to provide, on a flexible and individualized basis, accommodations reasonable to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities are encouraged to discuss their individual needs for accommodations with Pamela Farron (Ext. 1608) in the Disability Resource Center located in the Student Development Center (next to the College Store) in the Susan B. Anthony Center.

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Networking

Information and Communication Technology (ICT) professionals are in short supply. Berkshire Community College's networking program helps students prepare for ITC careers. The curriculum provides comprehensive coverage of networking topics, while providing opportunities for hands-on practical experience and career skills development. The program is aligned with the globally recognized Cisco CCENT® and CCNA® certifications.

BCC's Networking Program offers students options in Certificate and Degree Programs.

The **Networking Certificate** is a first step in a Networking Career. By starting in the Networking Certificate program students can attain the skills needed to enter the workforce.

The credits earned in the certificate programs apply to the **Associate's Degree, Computer Information Systems — Networking Option**. This two-step approach allows students to get their training, enter the workforce and continue their education, allowing them to pursue higher paying jobs with greater responsibility. Learn more at www.berkshirecc.edu/gpstem.

Certificate

Certificate — Networking

WHAT does a Computer Specialist do?

- Test and evaluate existing network systems
- Perform regular maintenance to ensure that networks operate correctly
- Troubleshoot local area networks (LANs), wide area networks (WANs), and Internet systems

WHERE can a Computer Information System Certificate take you?

Job-related Titles:

- Computer Support Specialist
- Computer User Support Specialist
- Computer Network Support Specialist

JOB GROWTH

The U.S. Bureau of Labor Statistics predicts employment of computer support specialists is **projected to grow 17 percent from 2012 to 2022**, faster than the average for all occupations. More support services will be needed as organizations upgrade their computer equipment and software.

WAGES

In Massachusetts, computer specialists earn a median wage of **\$35,900–\$121,600** per year.

Source: Bureau of Labor Statistics, U.S. Department of Labor. Occupational Outlook Handbook, 2014–15 Edition.

Associate's Degree

Associate in Science — Computer Information Systems, Networking

WHAT does a Network & Computer System Administrator do?

- Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system
- Monitor and test Web site performance to ensure Web sites operate correctly and without interruption
- Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability
- Assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software

WHERE can an Associate's Degree in Computer Information Systems (Networking) take you?

Job-related Titles:

- Network Administrator
- Information Technology (IT) Manager
- System Administrator
- Web Developer

JOB GROWTH

The U.S. Bureau of Labor Statistics predicts employment of network and computer systems administrators is **projected to grow 12 percent from 2012 to 2022**, about as fast as the average for all occupations. Demand for information technology workers is high and should continue to grow as firms invest in newer, faster technology and mobile networks.

WAGES

In Massachusetts, Network and Computer System Administrators earn a median wage of **\$53,000–\$120,300** per year.

Source: Bureau of Labor Statistics, U.S. Department of Labor. Occupational Outlook Handbook, 2014–15 Edition.

Cisco Certifications

Berkshire Community College is a Cisco Networking Academy™ offering CCNA® Routing and Switching Curriculum and CCNA® Security Course. Upon completion of the **Networking Certificate**, students are prepared to take the **Cisco CCENT® ICND1** certification exam. Upon completion of the **Networking Associate's degree** students are prepared to take the **CCNA® Routing and Switching** certification exam.



Stay on Course

Suggested Networking Pathway

The diagram below shows the suggested pathway to earn the Associate's Degree in Networking in four semesters. Courses that are also required to earn the Networking Certificate are shown in **BLUE** in the diagram below.

