



STEM

Science, Technology,
Engineering, and
Mathematics

IT-NETWORK AND CYBERSECURITY

ABOUT THE PROGRAM

Students are introduced to networking technology, operating systems, and computer maintenance. Students are also well prepared to go into a server management role in both Linux and Windows environments. Hands-on work includes installation and configuration of major network operating systems and the configuration of network hardware such as routers, switches, and security appliances. Students will be placed in situations that cultivate the ability to work in isolation as well as situations that foster working in groups. Students will be working in advanced computing labs and with enterprise-level (Business) networking equipment on an almost daily basis.



CCCC Career Community

Students in the STEM career community enjoy logic challenges and problem solving, and they may be hands-on or theoretical in their approach. These students think critically and analytically and are detail-oriented. They may be interested in using technology to make processes more efficient. STEM students enjoy classes in mathematics and/or natural sciences. Graduates are employed in a wide range of careers such as technicians, computer programmers, scientists, engineers, and teachers.



Possible Employment In Industry

Junior Network Admin/Network Administrator
Systems/Computer Support Technician
Network Technician
Systems/Server Administrator
Technical Support Technician
Remote Support Technician



Top Employers In Region

Coty
Cisco
NetApp
Duke University
Red Hat



Occupational Statistics

MEDIAN SALARY:

\$54,760 annually
(Computer Support Technician)

\$83,510 annually
(Network and Computer Systems Administrator
May need additional experience or Education)



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Degrees

Associate in Applied Science in Information Technology (A25590; Lee Main Campus - Day, Selected Evening, Selected Distance) Five Semesters (Summer Included)



Diplomas

Diploma in Network and Cybersecurity (D25590N; Lee Main Campus - Day, Selected Evening, Selected Distance) Three Semesters



Certificates

Network Operating System (C25590NO), Network Infrastructure (C25590NI), and Network Security (C25590SE) (Same as above) - Varies



Transfer Options

East Carolina University (BSIT Program); Contact the program lead below to discuss transfer options further.



Additional Program Costs

None



State Licensure/Exams/ Industry Certifications

Network+, Security+, IC3, Microsoft Certifications, Red Hat Certified System Administrator, Cisco (CCNA, CyberOps Associate), Palo Alto Networks



Additional Admissions Process

None



Skills In Demand For Program And Industry

Network Device Configuration (IOS)
Linux (RHEL)
Firewall Configuration (Cisco/Palo ALto)
Microsoft Active Directory
Troubleshooting



Work-Based Learning Information

None



To find all program planning guides, contact information, and more, scan the QR code or visit www.cccc.edu/programs