



Network Administrator Certificate

2018–2019

DESCRIPTION:

The Network Administrator Certificate provides networking knowledge, practical hands-on experience, and development of foundational workplace skills to prepare students for entry-level careers in network and computer systems administration. The curriculum focuses on networking for small to medium business networks to complex enterprise networks. Students will be exposed to various aspects of network hardware and software maintenance and the monitoring, configuring, troubleshooting, diagnosing, and support of local area networks (LANs), enterprise-wide area networks (WANs), and Internet systems such as Intranets and Cloud networks. For more information, see csc.columbusstate.edu/computerscience.

ADMISSION REQUIREMENTS:

Applicants must place into MATH 1148 and ENGL 1100.

ONGOING REQUIREMENTS:

As they progress through the Network Administrator Certificate program, students are prepared for and encouraged to study and complete industry certification exams. In addition, students in their second year are encouraged to secure and complete internships to gain valuable experience working with a team in the field of computer networking.

OPPORTUNITIES FOR GRADUATES:

Career:

Computer networks are a critical part of almost every organization, and as network systems continue to grow in health care, insurance, finance, government, manufacturing, utilities, and the educational sectors, the demand for these career positions is increasing. Graduates will be prepared to take an industry-recognized network certification (i.e., MCSE, MCSA, MCITP, Network+, Linux+) which will provide career opportunities as network administrators, system administrators, network specialists, network analysts, and network engineers.

Transfer:

Graduates with the Network Administrator A.A.S. degree can seek transfer opportunities in Computer Engineering (B.S.), Network/System Administration (B.S.), and Network Security (B.S.).

CERTIFICATE REQUIREMENTS (NETWORK ADMINISTRATOR CERTIFICATE):**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
CSCI 1772 Networking I	AU/SP/SU	3	<ul style="list-style-type: none"> Upon completion of CSCI 1772, Network Administrator students are encouraged to study and complete a Microsoft network certification exam.
CSCI 2770 Network Communication & TCP/IP	AU/SP	3	
Semester Credits		6	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI 2774 Networking II	AU/SU	3	<ul style="list-style-type: none"> Upon completion of CSCI 2774, Network Administrator students are encouraged to study and complete a Microsoft network certification exam. Upon completion of CSCI 2790, Network Administrator students are encouraged to study and complete the Linux network certification exam.
CSCI 2790 Linux Administration	AU/SP/SU	3	
Semester Credits		6	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
CSCI 2778 Wireless, Voice, and Mobile Communications	AU/SP	3	<ul style="list-style-type: none"> Students in CSCI 2778 work in groups to design, develop, complete and present Wireless Network Solution for a customer. Upon completion of CSCI 2778, Network Administrator students are eligible to receive their Network Administrator Certificate.
CSCI 2792 Virtualization	AU/SP	2	
Semester Credits		5	
Total		17	

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
 Requirements subject to change.