



DEGREE CODES:

AAS 0141
AC 0142
BC 0143

PATHWAY: Networking Systems and Technology

Visit your College Advisor, ccc.edu, or your college's Transfer Center for more information.

This is an **example course sequence** for students interested in earning a degree in Networking Systems and Technology. If this pathway is followed as outlined, you will earn a Basic Certificate (BC), an Advanced Certificate (AC), and an Associate in Applied Science (AAS) Degree in Networking Systems and Technology. It does not represent a contract, nor does it guarantee course availability. One course will satisfy the Human Diversity (HD) requirement, and is labeled with an (HD) in the sequence below.

The Networking Systems and Technology AAS program is for students interested in administering and maintaining network equipment such as routers, switches, and servers, as well as, maintaining software and services that are common in modern network infrastructures. The curriculum covers both hardware and software components which help prepare students for jobs in the Information Technology (IT) market. It also offers students relevant knowledge and skills required in a variety of industry certifications including: A+, Network+, CCENT, CCNA and CCNA Security.

Choose your courses with your College Advisor.

Communications and mathematics pre-credit requirements. Placements based on current placement instrument, ACT or department chair recommendation.			College-level courses that can be taken while in pre-credit courses.	
ENGLISH PLACEMENT	READING PLACEMENT	MATHEMATICS PLACEMENT	GEN. EDUCATION/CORE COURSES	ELECTIVE COURSES
<input type="checkbox"/> ESL/FS Writing	<input type="checkbox"/> ESL/FS Reading	<input type="checkbox"/> FS Mathematics I	<input type="checkbox"/> Humanities: Africana Studies 101	<input type="checkbox"/> College Success
<input type="checkbox"/> ESL/English 98	<input type="checkbox"/> ESL/Reading 99	<input type="checkbox"/> FS Mathematics II	<input type="checkbox"/> Computer Information Systems 101	<input type="checkbox"/> Computer Information Systems 120
<input type="checkbox"/> ESL 99	<input type="checkbox"/> ESL Reading 100	<input type="checkbox"/> Mathematics 98	<input type="checkbox"/> Computer Information Systems 111	<input type="checkbox"/> Business 111
<input type="checkbox"/> ESL/English 100	<input type="checkbox"/> Reading 125	<input type="checkbox"/> Mathematics 99	<input type="checkbox"/> Computer Information Systems 116	

SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS

All plans can be modified to fit the needs of part-time students by adding more semesters.

D	AC	BC	SEMESTER 1	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
•	•	•	English 101–Composition I (3)	<i>Communications</i>	DO THIS –Meet with advisor to discuss academic goals and plan coursework DO THIS –Go to Career Center to explore career options DO THIS –Take A+ certification after completion of Computer Information Systems 111
•	•	•	Computer Information Systems 101–Computer Science 101 (3)	<i>Required Program Core</i>	
•	•	•	Computer Information Systems 116–Operating Systems I (3)	<i>Required Program Core</i>	
•	•	•	Computer Information Systems 111–Computer Operations (3)	<i>Required Program Core</i>	
•	•	•	Networking Technologies 121–Internetworking I (3)	<i>Required Program Core</i>	
15 CREDIT HOURS					
D	AC	BC	SEMESTER 2	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
•	•	•	Networking Technologies 122–Internetworking II (3)	<i>Required Program Core</i>	DO THIS –Meet with advisor to confirm plans DO THIS –Prepare your résumé and look for internships COMPLETION of Basic Certificate in Networking Systems and Technology DO THIS –Take CCENT certification after completion of NET TEC 122
•	•	•	Computer Information Systems 255–Operating Systems/Client (3)	<i>Required Program Core</i>	
•	•	•	Mathematics 118–General Education Mathematics (4) OR higher	<i>Mathematics/Sciences</i>	
•	•	•	Fine Arts & Humanities course (3)	<i>Fine Arts & Humanities (HD)</i>	
•	•	•	Business 111–Introduction to Business (3)	<i>Required Program Core</i>	
16 CREDIT HOURS					
D	AC	BC	SEMESTER 3	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
•	•	•	Networking Technologies 221–Internetworking III (3)	<i>Required Program Core</i>	DO THIS –Visit Career Center to look for jobs and prepare for interviews DO THIS –Mid-term check-in with advisor
•	•	•	Networking Technologies 240–Operating Systems/Server I (3)	<i>Required Program Core</i>	
•	•	•	Computer Security and Forensic Investigation 102–Information Security Essentials (3)	<i>Required Program Core</i>	
•	•	•	Physical & Life Sciences course (3)	<i>Physical & Life Sciences</i>	
•	•	•	Program Elective (3)	<i>Elective</i>	
15 CREDIT HOURS					
D	AC	BC	SEMESTER 4	CATEGORY	ACHIEVEMENTS & NEXT ACTIONS
•	•	•	Networking Technologies 222–Internetworking IV (3)	<i>Required Program Core</i>	DO THIS –Mid-term check-in with advisor DO THIS –Take CCNA certification after completion of NET TEC 222 COMPLETION of Advanced Certificate in Networking Systems and Technology COMPLETION of Associate in Applied Science degree in Networking Systems and Technology
•	•	•	Computer Information Systems 260–Field Project (Capstone or Internship) (3)	<i>Required Program Core</i>	
•	•	•	Social & Behavioral Sciences course (3)	<i>Social & Behavioral Sciences</i>	
•	•	•	Program Elective (3)	<i>Elective</i>	
•	•	•	Program Elective (3)	<i>Elective</i>	
15 CREDIT HOURS					
DEGREE MINIMUM: 61 CREDIT HOURS // PATHWAY TOTAL: 61 CREDIT HOURS					

PROGRAM ELECTIVES

Any Computer Information Systems, Computer Security and Forensic Investigation, or Networking Technology course

D = DEGREE // AC = ADVANCED CERTIFICATE // BC = BASIC CERTIFICATE

Programs offered at:

