Networking & System Administration - Associate in Applied Science (2025-26 Catalog)

NORTHAMPTON COMMUNITY COLLEGE

Developmental Education Courses *(if required)*

	Course #	Title
☐	ACLS050	Introduction to Academic Literacy
☐	ENGL027	Writing Skills Workshop
☐	MATH020	Pre-Algebra
☐	MATH022	Elementary Algebra

Placement in English and/or Mathematics must first be determined by <u>official</u> transcripts and/or placement testing. Developmental education courses are only taken if needed based on a student's placement; these courses would be in addition to the courses outlined below. Developmental education courses may extend the timeline to degree completion.

Transferring credits into NCC: Official transcripts are required; awarded credit will appear in Workday's Academic Progress.

complete	Course #	Course Title	Credits	Prerequisites / Corequisites
Semester 1				
☐	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
☐	CISC100	Information Technology Fundamentals	4	
☐	CISC136	PC Support & Troubleshooting	4	
☐	CISC137	Introduction to Networking Hardware	4	
☐	ENGL101	English I	3	PRE: English placement policy
☐		AH, SIT, or SSHB General Education Elective	3	
		Total Semester Credits:	19	
Semester 2				
☐	COMM101	Introduction to Communication	3	
☐	CISC131	CISCO Networking I (CCNA)	4	
☐	CISC105	Desktop Operating Systems	4	
☐		AH, SIT, or SSHB General Education Elective	3	
☐	CISC254	Server I	3	PRE: CISC136
		Total Semester Credits:	17	
Semester 3				
☐	ENGL151T OR ENGL151R	English II (Technical Writing) OR English II (Report Writing)	3	PRE: ENGL101
☐	CISC267 OR CISC255	CISCO Networking II (CCNA) OR Server II	3/4	CISC 267 PRE: CISC 131; **OR** CISC 255 PRE: CISC 254
☐		Mathematics Elective	3	PRE: MATH Placement Policy
☐	CISC280G	Cyber Ethics (Writing Intensive)	3	PRE: ENGL 101
☐	CISC286	Linux Administration	4	PRE: CISC 105
		Total Semester Credits:	16/17	
Semester 4				
☐	CISC271 OR CISC265	CISCO Networking III (CCNA) OR Windows Server Administration	4	CISC 271 PRE: CISC 267 **OR** CISC 265 PRE: CISC105
☐	CISC251	Network Administration and Maintenance	4	PRE: CISC136
☐		Technical Elective*	3/4	
☐		AH, SIT, or SSHB General Education Elective	3	
☐		Elective	3	
		Total Semester Credits:	17/18	
		Total Degree Credits	69-71	

Program Notes:

General Education Electives: Student must take three courses from at least two different categories (AH, SIT, SSHB)

How to search for general education electives:
In Workday's *Academics*- click *Find Course Sections & Register*, then use the corresponding **Elective Groups** filter to see the available options.
Arts and Humanities = AH
Social Science: Scientific Study of Human Behavior = SSHB
Social Science: Societies & Institutions Over Time = SIT

Math Elective:
MATH 120 Nature of Math
MATH140 College Algebra
MATH145 Trigonometry
MATH156 STEM College Algebra (Recommended for Transfer)
MATH150 Introductory Statistics
MATH160 Pre-Calculus

CISC131, 267, 271: The Cisco Networking Academy Program courses must be taken in sequential order (as indicated)

*Technical Electives:
CISC 114 Intro to Computer Science w/Python
CISC128 Client-side Scripting
CISC180 Intro to Network Security
*See advisor for additional CISC course options

General Education Requirements

☐		Diversity
☐	CISC 280G	Writing Intensive

*It is the student's responsibility to be knowledgeable of NCC graduation requirements and, if applicable, to verify transfer requirements with the 4-year institution. Courses listed on the program map are based upon the assumption that prerequisites and courses taken in previous semesters will be successfully completed.