Computer Science - Associate in Science (2024-25 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
☐	MATH026	Intermediate 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/Notes
Semester 1				
☐	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
☐	ENGL101	English I	3	PRE: ENGL Placement Policy
☐	MATH180	Calculus I	4	PRE: MATH160 with C or better or Placement
☐	CISC115	Computer Science I	4	PRE: MATH026 or Placement
☐		SIT General Education Elective	3	Depends on the course selected
		Total Semester Credits:	15	
Semester 2				
☐	CISC125	Computer Science II	4	PRE: CISC115
☐	COMM101	Introduction to Communication	3	
☐	ENGL151L	English II (Literature) (D)	3	PRE: ENGL101
☐	MATH181	Calculus II	4	PRE: MATH176 or 180 with C or better or Placement Policy
☐		SSHB General Ed. Elective	3	Depends on the course selected
		Total Semester Credits:	17	
Semester 3				
☐	CISC230	Data Structure	4	PRE: CISC125
☐		Science Elective	4	Depends on the course selected
☐		Elective	3/4	Depends on the course selected
☐	MATH202	Discrete Mathematics	3	PRE: MATH176 or MATH180
		Total Semester Credits:	14/15	
Semester 4				
☐	CISC225	Computer Organization	4	PRE: CISC125
☐	CISC252	Introduction to DevOps	4	PRE: CISC 114 or 115 or 286
☐		AH General Education Elective	3	Depends on the course selected
☐		Elective	3	Depends on the course selected
☐		Elective	3	Depends on the course selected
		Total Semester Credits:	17	
		Total Degree Credits	62/63	

General Education Requirements

☐	ENGL151L	Diversity
☐		Writing Intensive
☐	PHIL111G, PHIL202G, or PSYC103G	Writing Intensive

Program Notes:

Two courses must be taken in Writing Intensive (WI) sections. One must be selected from among the General Education Electives (AH, SIT or SSHB); the second must be selected from PHIL111G, PHIL202G, or PSYC103G.

Writing Intensive course codes end in G. Examples: PSYC103G (PSYC103 is not writing intensive). Please pay attention to the option you select. For example, if you are looking for an SSHB writing intensive course, look for one that ends in G via the SSHB course tag.

How to search for general education electives:
In Workday's *Academics*- click *Find Course Sections & Register*, then use the corresponding **Course Tag** filter to see the available options.

Arts and Humanities = AH
Social Science: Scientific Study of Human Behavior = SSHB
Social Science: Societies and Institutions Over Time = SIT

Electives must be chosen from the list of courses which are applicable to AA and AS degrees, and should be chosen with transferability in mind.

MATH210 Calculus III is recommended as one of the Electives

Suggested Electives:
CISC 280G - Law and Ethics
CISC 286 - Linux Administration
CISC 270 - Database Systems

*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.