Northampton Chemistry- Associate in Science (2024-25 Catalog)

Developmental Education Courses (if required)					
	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
		COMM101	Introduction to Communication	3	
		CHEM120	General Chemistry I	4	PRE: MATH022 or Placement Policy, lyr of HS
		CITLIVITZO			Chemistry or CHEM011, ENGL101 eligibility
		ENGL101	English I	3	PRE: ENGL Placement Policy
		MATH180	Calculus I	4	PRE: MATH160 with C or better or Placement Policy
			Total Semester Credits:	15	
Semester 2		CHEM220	General Chemistry II	4	PRE: CHEM120
		ENGL151L	English II	3	PRE: ENGL101
		MATH181	Calculus II	4	PRE: MATH176 or MATH180 either with a C or better, or AP score policy
			AH Gen Ed Elective	3	Depends on course selected
			Total Semester Credits:	14	
Semester 3		CHEM201G	Organic Chemistry I (WI)	4	PRE: CHEM220 and ENGL101
		PHYS215	Physics for Science & Engineering I	5	PRE: MATH181 with C or better
			SIT Gen Ed Elective	3	Depends on course selected
			SSHB Gen Ed Elective	3	Depends on course selected
			Total Semester Credits:	15	
Semester 4		CHEM251	Organic Chemistry II	4	PRE: CHEM201G
		PHYS225	Physics for Science & Engineering II	5	PRE: PHYS215
			Elective	4	Depends on course selected
			Elective	4	Depends on course selected
			Total Semester Credits:	17	
	Total Degree Credits			61	

Program Notes:

Students that are not CHEM120 eligible for their first semester should take CHEM011 in its place.

It is highly recommended that all students start their math sequence in the first semester. If a student is not MATH180 eligible, they may need to take summer courses and/or extend their graduation date.

The combined PHYS215 and PHYS225 degree requirements can be used as one of the two writing intensives. Once a student is registered for PHYS225, they will need to email graduation@northampton.edu to request this, as the second writing intensive requirement will not be automatically fulfilled just by enrolling in PHYS215/225.

How to search for general education electives:

In workday, use the corresponding **Course Tag** filter to see the available options.

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

General Education Requirements					
	ENGL151L	Diversity			
	CHEM201G	Writing Intensive			
	PHYS215/225	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.