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

10000000		5	cation Courses (if required)	Placement in English and/or Mathematics must first be determined by official transcripts and/or placement testing.			
		ACLS050	Introduction to Academic Literacy	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.			
		ENGL027	Writing Skills Workshop				
		MATH020	Pre-Algebra	Transferring credits into NCC: Official transcripts are required; a		d; awarded credit will appear in Workday's Academic Progress.	
		MATH022	Elementary Algebra				
		MATH026	Intermediate Algebra				
	complete	Course #	Course Title	Credits	Prerequisites / Corequisites/Notes	Program Notes:	
Semester 1		COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA	Students that are not CHEM120 eligible for their first	
		COMM101	Introduction to Communication	3		semester should take CHEM011 in its place.	
		CHEM120	General Chemistry I	4	PRE: MATH022 or Placement Policy, Iyr of HS Chemistry or CHEM011, ENGL101 eligibility	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.	
		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			
		CHEM220	General Chemistry II	4	PRE: CHEM120	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	
ir 2		ENGL151L	English II	3	PRE: ENGL101		
Semester		MATH181	Calculus II	4	PRE: MATH176 or MATH180 either with a C or better, or AP score policy	graduation@northampton.edu to request this, as the second writing intensive requirement will not be	
			AH Gen Ed Elective	3	Depends on course selected	automatically fulfilled just by enrolling in PHYS215/225.	
			Total Semester Credits:	14			
Semester 3		CHEM201G	Organic Chemistry I (WI)	4	PRE: CHEM220 and ENGL101	How to search for general education electives: In workday, use the corresponding Course Tag filter to see	
		PHYS215	Physics for Science & Engineering I	5	PRE: MATH181 with C or better	the available options.	
			SIT Gen Ed Elective	3	Depends on course selected		
			SSHB Gen Ed Elective	3	Depends on course selected	Arts and Humanities = AH	
			Total Semester Credits:	15		Scientific Study of Human Behavior = SSHB Societies and Institutions Over Time = SIT	
		CHEM251	Organic Chemistry II	4	PRE: CHEM201G	Societies and institutions over time – Sh	
er 4		PHYS225	Physics for Science & Engineering II	5	PRE: PHYS215		
Semester			Elective	4	Depends on course selected		
			Elective	4	Depends on course selected		
			Total Semester Credits:	17			
		-	Total Degree Credits	61			

Genera	al Education Requirements	*It is the student's responsibility to be knowledgeable of NCC graduation requirements and, if applicable, to verify		
ENGL151L	Diversity	transfer requirements with the 4-year institution. Courses listed on the program map are based upon the assumption that		
CHEM201G	Writing Intensive	prerequisites and courses taken in previous semesters will be successfully completed.		
PHYS215/225	Writing Intensive			