

Developmental Education Courses (if required)

<input type="checkbox"/>	COLS150	Skills for Academic Success
<input type="checkbox"/>	ENGL027	Writing Skills Workshop
<input type="checkbox"/>	MATH020	Pre-Algebra
<input type="checkbox"/>	MATH022	Elementary Algebra

Placement in English and/or Mathematics must first be determined by official transcripts and/or placement assessment. 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	<input type="checkbox"/>	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
	<input type="checkbox"/>	ENGL101	English I	3	PRE: ENGL Placement Policy
	<input type="checkbox"/>	COMM101	Introduction to Communication	3	
	<input type="checkbox"/>	MATH150	Introductory Statistics (QL)(D)	3	PRE: MATH022 or Placement Policy
	<input type="checkbox"/>	DATS101	Principles of Data Science	3	
	<input type="checkbox"/>	CISC101	Introduction to Information Technology	3	
			Total Semester Credits:	16	
Semester 2	<input type="checkbox"/>	MATH207	Statistical Methods	3	PRE: MATH150 with C or better
	<input type="checkbox"/>	ENGL151R	English II (Report Writing)	3	PRE: ENGL101
	<input type="checkbox"/>	CISC114	Intro to Computer Science with Python	4	PRE: MATH022 with C or better or Math Placement Policy
	<input type="checkbox"/>	PHIL202G	Ethics & Moral Problems	3	PRE: ENGL101
	<input type="checkbox"/>		SIT or SSHB Gen Ed Elective	3	
			Total Semester Credits:	16	
Semester 3	<input type="checkbox"/>	MATH180	Calculus I	4	PRE: MATH160 with C or better or Placement Policy
	<input type="checkbox"/>	DATS201	Data Visualization	3	PRE: DATS101 with C or better
	<input type="checkbox"/>	CISC150*	Object-Oriented Programming	4	PRE: CISC115 or CISC128
	<input type="checkbox"/>		Science Elective	4	
			Total Semester Credits:	15	
Semester 4	<input type="checkbox"/>	MATH202	Discrete Mathematics	3	PRE: MATH176 or 180 with a C or better
	<input type="checkbox"/>	DATS250	Data Science Capstone***	4	PRE: DATS201 and MATH207 with C or better
	<input type="checkbox"/>	CISC270	Database Systems	4	PRE: CISC100 or CISC115
	<input type="checkbox"/>		SIT or SSHB Gen Ed Elective	3	
			Total Semester Credits:	14	
			Total Degree Credits	61	

Program Notes:

Students must take two General Education Electives (SIT or SSHB), one in a Writing Intensive (WI) sections.

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 **Elective Groups** filter to see the available options.

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

It is in the best interest of the student to take a higher level Science with a lab component to fulfill their Science elective requirement.

+Students who are not eligible for required Math courses beginning in their first semester will push back the overall sequencing for Data Science courses and require an extra semester or semesters.

*Students may need to complete an unmet prerequisite for CISC150 since CISC114 is not a direct prerequisite.

***DATS250: Please contact the Program Coordinator, Alex Rolón (Arolon@northampton.edu), when you are ready to enroll.

General Education Requirements

<input type="checkbox"/>	MATH150	Diversity
<input type="checkbox"/>	PHIL202G	Writing Intensive
<input type="checkbox"/>		Writing Intensive (SIT or SSHB)

***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.**