Developmental Education Courses (if required)

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

Placement in English and/or Mathematics must first be determined by official 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
☐	COMM101	Introduction to Communication	3	
☐	MATH103	Technical Mathematics	3	PRE: MATH020 w/C or MATH placement
☐	EMEC114	Mechanical Skills for the Trades	2	
☐	CADM117	Technical Drawings and Specification	3	
☐	PMTD105	Precision Machining I	4	
		Total Semester Credits:	16	
Semester 2				
☐	OSAH102	General Industry Outreach Safety Education	1	
☐	CADM125	Manufacturing Processes	3	
☐	PMTD115	Precision Measurement / GD&T	3	PRE: CADM117
☐	PMTD110	Precision Machining II	3	PRE: PMTD105
☐	CADM100	Engineering Graphics Essentials	3	
☐	ENGL101	English I	3	PRE: ENGL placement policy
		Total Semester Credits:	16	
Semester 3				
☐	CADM115	Computer Aided Design I	3	PRE: CADM100
☐	PMTD215	CNC Programing and Operations I	4	PRE: PMTD110
☐	PMTD205	Precision Machining III	3	PRE: PMTD110
☐		Elective	3	
☐	ENGL151T	English II (Technical Writing)	3	PRE: ENGL101
		Total Semester Credits:	16	
Semester 4				
☐	PHYS152	Physical Science II	3	
☐	PMTD220	CNC Programing and Operations II	4	PRE: PMTD215
☐	PMTD230	CAM Programing and Tool Design	3	PRE: CADM115 and PMTD215
☐		AH, SIT or SSHB General Education Elective	3	
☐		AH, SIT or SSHB General Education Elective	3	
		Total Semester Credits:	16	
		Total Degree Credits	64	

Program Notes:

3rd semester Recommended Elective Options:
-CADM205 Computer Aided Design II
-EMEC110 Mechanical Components
-WELD105 Intro to Welding Processes

4th semester AH/SIT/SSHB General Education Recommended Elective Options:
-HUMA121 American Work Experience
-GEOG121G/GEOG121 Environmental Sustainability (GEOG121G is the writing intensive recommended option)

One course must be designated Diversity and Global Awareness (D). HUMA121 or GEOG121/121G would cover this.

One elective course must be taken in a Writing Intensive (WI) section. Writing Intensive course codes end in G. Example: GEOG121G is writing intensive, but GEOG121 is not.

How to search for general education electives: In Workday, use the corresponding **Elective Groups** filter to see the available options.
-Arts and Humanities = AH
-Scientific Study of Human Behavior = SSHB
-Societies and Institutions Over Time = SIT

Technology competencies are included in various courses in this program. Thus, completing the program automatically satisfies the technology requirement for this program.

General Education Requirements

☐		Diversity (AH/SIT/SSHB)
☐		Writing Intensive (GEOG121G is recommended)

*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.