

Developmental Education Courses (if required)		
<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy
<input type="checkbox"/>	ENGL027	Writing Skills Workshop
<input type="checkbox"/>	MATH020	Pre-Algebra
<input type="checkbox"/>	MATH022	Elementary Algebra
<input type="checkbox"/>	MATH026	Intermediate 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	Pre-requisites / Co-requisites/Notes	
Semester 1	<input type="checkbox"/>	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
	<input type="checkbox"/>	ELTC101	Electrical Fundamentals	3	
	<input type="checkbox"/>	EMEC125	Process Automation Diagrams – P&ID	2	
	<input type="checkbox"/>	EMEC130	Introduction to Process Control	3	
	<input type="checkbox"/>	CADM117	Technical Drawings and Specification	3	
	<input type="checkbox"/>	ENGL101	English I	3	PRE: ENGL Placement Policy
	<input type="checkbox"/>	MATH140	College Algebra	3	PRE: MATH026 w/ C or better or MATH Placement
		Total Semester Credits:	18		
Semester 2	<input type="checkbox"/>	EMEC105	Introduction to Fluid Power	3	
	<input type="checkbox"/>	EMEC110	Mechanical Components	3	PRE or CO: CADM117**
	<input type="checkbox"/>	ELTC135	Electrical Motors and Controls	4	PRE: ELTC101
	<input type="checkbox"/>	EMEC140	Sensors, Wiring and Troubleshooting	1	PRE: ELTC101
	<input type="checkbox"/>	ENGL151T	English II (Technical Writing)	3	PRE: ENGL101
	<input type="checkbox"/>		AH, SIT, or SSHB General Ed. Elective	3	
		Total Semester Credits:	17		
Semester 3	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	
	<input type="checkbox"/>	EMEC205	Electrical Controls of Fluid Power	3	PRE: EMEC105 and ELTC101
	<input type="checkbox"/>	EMEC220	Instrumentation I	3	PRE: EMEC125 and EMEC130
	<input type="checkbox"/>	EMEC240	Industrial Control Systems I	4	PRE: ELTC101; PRE or CO: EMEC140
	<input type="checkbox"/>	PHYS101	Physics I	4	PRE: MATH140 with C or better
		Total Semester Credits:	17		
Semester 4	<input type="checkbox"/>	EMEC225	Instrumentation II	3	PRE/CO: EMEC220
	<input type="checkbox"/>	EMEC245	Industrial Control Systems II	3	PRE: EMEC240
	<input type="checkbox"/>	EMEC251	Mechanical Systems	3	PRE: EMEC105, EMEC110, and ELTC135**
	<input type="checkbox"/>	OSAH101 or OSAH102*	Construction Industry Outreach Safety Education or General Industry Safety	1	OSAH102 is recommended.
	<input type="checkbox"/>		AH, SIT, or SSHB General Ed. Elective	3	
	<input type="checkbox"/>		Elective	3	
		Total Semester Credits:	16		
		Total Degree Credits	68		

### Program Notes:

+Students must take two General Education Electives (SIT, SSHB or AH) and one must be in a Writing Intensive (WI) section. **GEOG121G is the recommended WI elective.**

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, 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

+EMEC251 prerequisite requirements can be waived if necessary. Please consult with an Academic Advisor and/or EMEC Program Manager.

**\*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**

General Education Requirements		
<input type="checkbox"/>		Diversity
<input type="checkbox"/>		Writing Intensive