

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	
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"/>	CISC101	Introduction to Information Technology	3	
	<input type="checkbox"/>	CADM100	Engineering Graphics Essentials	3	
	<input type="checkbox"/>	CADM115	Computer Aided Design I	3	PRE or CO: CADM100
	<input type="checkbox"/>	MATH140	College Algebra	3	PRE: MATH026 w/C or better or MATH Placement
		Total Semester Credits:	16		
Semester 2	<input type="checkbox"/>	CADM205	Computer Aided Design II	3	PRE: CADM115
	<input type="checkbox"/>	CADM230	Parametric Modeling-Inventor I	3	PRE or CO: CADM205
	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	
	<input type="checkbox"/>	CADM125	Manufacturing Processes	3	
	<input type="checkbox"/>	ENGL151T	English II (Technical Writing)	3	PRE: ENGL101
		Total Semester Credits:	15		
Semester 3	<input type="checkbox"/>	CADM210	Computer Aided Design III	3	PRE: CADM205
	<input type="checkbox"/>	CADM220	Parametric Modeling-SOLIDWORKS I	3	PRE: CADM205
	<input type="checkbox"/>	CADM240	Digital Manufacturing I	3	PRE: CADM230; CO: CADM220
	<input type="checkbox"/>	MATH145	Trigonometry	3	PRE: MATH140 w/C or better or math placement
	<input type="checkbox"/>	PHYS101	Physics I	4	PRE: MATH140 w/C or better or math placement
		Total Semester Credits:	16		
Semester 4	<input type="checkbox"/>	CADM250	Design Project	3	PRE: CADM220, CADM230, and ENGL151
	<input type="checkbox"/>	CADM255	Statics & Strength of Materials (Algebra Based)	4	PRE: PHYS101
	<input type="checkbox"/>		AH or SIT General Education Elective*	3	Depends on course selected
	<input type="checkbox"/>		SSHB General Education Elective*	3	Depends on course selected
	<input type="checkbox"/>		Elective**	3	Depends on course selected
		Total Semester Credits:	16		
		Total Degree Credits	63		

Program Notes:

+This is part of a stackable credential (Specialized Diploma, Certificate and Associate in Applied Science). Please refer to the program's FAQ webpage for more details.

+One course should be designated as Diversity and Global Awareness (D).

+For the General Education Elective, students must select two courses: one from Arts & Humanities (AH) or Society and Institutions over Time (SIT), and one from Social Science: Scientific Study of Human Behavior (SSHB).

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 & Institutions Over Time = SIT

+One General Education Elective must be taken in a Writing Intensive (WI) section. Writing Intensive course codes end in G. Examples: PSYC103G (PSYC103 is not writing intensive). Please pay attention to the option you select.

+CADM 260 - CAD Practicum can satisfy the Elective requirement.

General Education Requirements		
<input type="checkbox"/>		Diversity
<input type="checkbox"/>		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.**