Computer Aided Design, Certificate (2024-2025 Catalog)

Developmental Education Courses *(if required)*		
☐	ACLS050	Introduction to Academic Literacy
☐	ENGL027	Writing Skills Workshop
☐	MATH020	Pre-Algebra
☐	MATH022	Elementary Algebra
☐	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	Prerequisites / Corequisites/Notes
Semester 1				
☐	COLS101	College Success	1	Exempt: COLS150 or 12+ transfer credits & 2.0 GPA
☐	CISC101	Introduction to Information Technology	3	
☐	CADM100	Engineering Graphic Essentials	3	
☐	ENGL101	English I	3	PRE: English Placement Policy
☐	CADM115	Computer Aided Design I	3	PRE or CO: CADM100
☐	MATH140	College Algebra	3	PRE: MATH026 w/C or better or MATH Placement
		Total Semester Credits:	16	
Semester 2				
☐	CADM125	Manufacturing Processes	3	
☐	CADM205	Computer Aided Design II	3	PRE: CADM115
☐	CADM230	Parametric Modeling-Inventor I	3	PRE or CO: CADM205
☐	ENGL151T	English II (Technical Option)	3	PRE: ENGL101
☐	COMM101	Introduction to Communication	3	
		Total Semester Credits:	15	
Semester 3				
☐	CADM210	Computer Aided Design III	3	PRE: CADM205
☐	CADM220	Parametric Modeling-SOLIDWORKS I	3	PRE: CADM205
☐	CADM240	Digital Manufacturing I	3	PRE: CADM230; CO: CADM220
☐	MATH145	Trigonometry	3	PRE: MATH140 w/C or better or math placement
		Total Semester Credits:	12	
		Total Degree Credits	43	

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.

*It is the student's responsibility to be knowledgeable of NCC graduation requirements and 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.