



Computer Aided Design, Certificate (2022-2023 Catalog)

SEMESTER-BY-SEMESTER PROGRAM MAP FOR FULL-TIME

STUDENTS

Courses are listed in preferred order of completion

Plans can be modified to fit student needs by adding more semesters

Choose your courses with your Advisor.

Developmental Education Courses (if required)		<input type="checkbox"/>	MATH020	Pre-Algebra	
<input type="checkbox"/>	ACLS050	Introduction to Academic Literacy	<input type="checkbox"/>	MATH022	Elementary Algebra
<input type="checkbox"/>	ENGL027	Writing Skills Workshop	<input type="checkbox"/>	MATH026	Intermediate Algebra

complete	Course #	Course Title	Credits	Gen Ed	Pre-requisites / Co-requisites	
Semester 1	<input type="checkbox"/>	COLS101	College Success	1		
	<input type="checkbox"/>	CISC101	Introduction to Information Technology	3	CL	
	<input type="checkbox"/>	CADM100	Engineering Graphic Essentials	3		
	<input type="checkbox"/>	ENGL101	English I	3	Comm	PRE: English Placement Policy
	<input type="checkbox"/>	CADM115	Computer Aided Design I	3		
	<input type="checkbox"/>	MATH140	College Algebra	3	QL	PRE: Mathematics Placement Policy
			Total Semester Credits:	16		
Semester 2	<input type="checkbox"/>	CADM125	Manufacturing Processes	3		
	<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"/>	ENGL151T	English II (Technica Option)	3	Comm	PRE: ENGL101
	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	Comm	
		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: CADM220
	<input type="checkbox"/>	MATH145	Trigonometry	3	QL	PRE: MATH140 or Math Placement Policy
		Total Semester Credits:	12			
		Total Degree Credits	43			

***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**