



# Computer Aided Design, Certificate (2021-22 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"/>	ACLS050	Introduction to Academic Literacy	<input type="checkbox"/>
<input type="checkbox"/>	ENGL027	Writing Skills Workshop	<input type="checkbox"/>

Location: B= BETH, M= MROE, S=SBTH, E= ESTN, D= DIST \*subject to change

complete	Course #	Course Title	Credits	Gen Ed	Fall	Winter	Spring	Summer	Pre-requisites / Co-requisites	
Semester 1	<input type="checkbox"/>	COLS101	College Success	1	B, M, D	----	B, M, D	D		
	<input type="checkbox"/>	CISC101	Introduction to Information Technology	3	CL	B, M, D	D	B, M, D	B, M, D	
	<input type="checkbox"/>	CADM100	Engineering Graphic Essentials	3		B	----	B		
	<input type="checkbox"/>	ENGL101	English I	3	Comm	B, M, D	----	B, M, D	B, M, D	
	<input type="checkbox"/>	CADM115	Computer Aided Design I	3		B	----	----	----	
	<input type="checkbox"/>	MATH140	College Algebra	3	QL	B, M, D	----	B, M, D	B, M, D	PRE: Mathematics Placement Policy
		Total Semester Credits:	16							
Semester 2	<input type="checkbox"/>	ENGG125	Manufacturing Processes	3		----	----	D	----	
	<input type="checkbox"/>	CADM205	Computer Aided Design II	3		----	----	B	----	
	<input type="checkbox"/>	CADM230	Parametric Modeling-Inventor I	3		----	----	B	----	
	<input type="checkbox"/>	ENGL151T	English II (Technica Option)	3	Comm	B, M, D	----	B, M, D		PRE: ENGL101
	<input type="checkbox"/>	CMTH102	Introduction to Communication	3	Comm	B, M, D, E	----	B, M, D, E	B, M, D	
		Total Semester Credits:	15							
Semester 3	<input type="checkbox"/>	CADM210	Computer Aided Design III	3		B	----	----	----	
	<input type="checkbox"/>	CADM220	Parametric Modeling-SOLIDWORKS I	3		B	----	----	----	
	<input type="checkbox"/>	CADM240	Digital Manufacturing I	3		B	----	----	----	
	<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**