



2023-2024 Completion Guide
Computer Aided Design and Drafting, C.A.C., TE270
ICCB Approved Total Program Hours: 41

Date: March 31, 2023

The following schedule is based on full-time enrollment. Students planning to transfer to a senior institution should check with that institution for specific transfer requirements.

Program Prerequisites

T= Traditional H = Hybrid W = Web

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CIS 126	Microsoft Office	3	T W		ALL	
MATH 119 OR MATH 139	Math for Technical students or Pre-Calculus II: Trigonometry	4 to 5	T	(MATH 119) Appropriate placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent. MATH 139: Appropriate placement score or minimum grade "C" in MATH 138 or equivalent.	ALL	
CADD 101	2D Computer Aided Design and Drafting I	3	T	MATH 095 or consent of department.	ALL	
EGR 101	Engineering Graphics	3	T	MATH 095 or equivalent.	FL	
	Total Semester Hours	13-14				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CADD 110	2D Computer Aided Design and Drafting II	3	T	CADD 101, plane geometry or consent of department.	ALL	
EGR 102	Engineering Graphics	3	T	EGR 101	SP	
MFG 101	Precision Machine Tool Technology 1	3	T		ALL	
PHYS 100 OR PHYS 101	Basic Physics or General Physics I	4 to 5	T	PHYS 100: Placement into ENG 101 or minimum grade of "C" in one of the following: ENG 021 and ENG 099; or ENG 022 and ENG 099; or the EAP course sequence ENG 079 and ENG 089, or ENG 096; and placement into MATH 098, or minimum grade "C" in MATH 094. PHYS 101: Placement into MATH 170 or Minimum grade "C" in MATH 139.	ALL	
	Total Semester Hours	13-14				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CADD Elective	CADD Department Elective	3	T		ALL	
CADD 120	3D Computer Aided Design and Drafting I	3	T	CADD 101, CADD 110 and EGR 101 or consent of department.	ALL	
MFG 115 or MFG 200	Blueprint Reading for Manuf. & Welding Advanced Blueprint Reading	3	T	MFG 200: MFG 115 and CADD 101.	ALL	
	Total Semester Hours	9				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
Any CADD Elective	CADD Elective	3	T		ALL	
CADD 260	Autodesk Inventor Pro - 3D Solid Modeling	3	T	CADD 101, CADD 120, end EGR 101, or consent of the department.	ALL	
	Total Semester Hours	6				

Graduation Requirements

To be awarded a Certificate of Achievement or Certificate of Completion at JJC, each student must meet the following requirements:

1. Satisfy all admission requirements.
2. Complete the courses required to earn the chosen certificate. Complete a minimum of 4-29 credit hours (Certificate of Completion) or 30-50 credit hours (Certificate of Achievement). If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 25% of the total required credit hours applicable to the certificate at JJC. Proficiency test, CLEP, and Advanced Placement do not meet this requirement.
3. Earn a cumulative grade point average of at least 2.0 in the area of concentration.
4. Discharge all financial obligations to the college and have no restrictions.
5. File an application for graduation. An application should be filed at the time of registration for the student's anticipated last semester.
6. Have all official transcripts from other college/universities on file in the Graduation Office by the graduation filing date for evaluation of credit. A delay in the process may result in a later graduation date.

For more information:	Department Chairperson	Program Coordinator	Program Advisor
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