



**2021-2022 Completion Guide**  
**Computer Aided Design and Drafting, C.A.C., TE270**  
**ICCB Approved Total Program Hours: 41**

Date: September 1, 2020

*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**

<b>First Semester</b>						
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	
	<b>Total Semester Hours</b>	<b>13-14</b>				

<b>Second Semester</b>						
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	
	<b>Total Semester Hours</b>	<b>13-14</b>				

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		<b>9</b>				

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		<b>6</b>				

### Graduation Requirements

To be awarded an Associate degree at Joliet Junior College, each student must meet the following requirements:

1. Satisfy all admission requirements.
2. Complete the courses required to earn the chosen degree. If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 60 credit hours of which the last 15 credit hours applicable to the degree are earned at Joliet Junior College. If the student has not taken the last 15 hours at JJC, then a total of 30 credit hours applicable to the degree must be earned at Joliet Junior college. Proficiency test, CLEP and Advanced Placement do not meet this requirement.
3. Earn a cumulative grade point average of at least 2.0.
4. Discharge all financial obligations to the college; have no restrictions.
5. File an application for graduation (An application should be filed at the time of registration for student's anticipated last semester).
6. Have on file in the Graduation office by the graduation filing date all transcripts from other colleges/universities that are to be evaluated for credit, to be applied toward a degree. A delay in the process may result in a later graduation date.

For more information:	<b>Department Chairperson</b>	<b>Program Coordinator</b>	<b>Program Advisor</b>
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