



**2023-2024 Completion Guide**  
**Computer Aided Design and Drafting, A.A.S., TE260**  
**ICCB Approved Total Program Hours: 60 Semester Hours**

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**

<b>First Semester</b>						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CIS 126	Microsoft Office	3	W,T		FL/SP/SM	
EGR 101	Engineering Graphical Communications	4	T	Math 095 or equivalent	FL	
CADD 101	2D Computer Aided Design and Drafting I	3	T	Math 095 or consent of department	FL/SP/SM	
MATH 119 or 139	Mathematics for Technical Students or Pre-Calculus II: Trigonometry	4 to 5	T	Appropriate placement score or minimum grade "C" in MATH 095 and MATH098 or equivalent. MATH 139 – Appropriate placement score or minimum grade "C" in MATH 138 or equivalent	FL/SP	
ENG 101 or ENG 130	Rhetoric or Technical Writing & Communication	3	T	Appropriate placement into Eng. 101 or "C" in Eng. 099 & Eng. 021 or Eng. 096, Eng. 078 and Eng. 079, Eng. 088 and Eng. 089	FL/SP/SM	
<b>Total Semester Hours</b>		<b>17-18</b>				

<b>Second Semester</b>						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CADD 110	2D Computer Aided Design and Drafting I	3	T	CADD 101 plane geometry or consent of department	FL/SP	
EGR 102	Engineering Graphics	4	T	EGR 101	SP	
PHYS 100	Basic Physics	4	T	Appropriate placement into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 079 and ENG 089, or ENG 096; and appropriate placement score or minimum grade "C" in MATH 139 which may be taken concurrently.	FL/SP	
<b>OR</b> PHYS 101	General Physics I	5	T	Appropriate placement into ENG 101 or minimum grade of "C" in 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 170, or minimum grade "C" in MATH 139.	FL/SP	

MFG 101	Precision Machine Tool Technology I	4	T	CADD 101 plane geometry or consent of department	FL/SP	
Total Semester Hours		<b>15-16</b>				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CADD 260	Autodesk Inventor Pro - 3D Solid Modeling	3	T	CADD 101, CADD 120, and EGR 101, or consent of the department	FL/SP	
AEC 207	Structural Planning and Analysis	3	T	MATH 119 or MATH 138	<b>FL</b>	
MFG 115 OR 200	Blueprint Reading for Manufacturing & Welding	3	T	MFG 200 Pre-requisite: MFG 115 or CADD 101	FL/SP	
CADD 120	3D Computer Aided Design & Drafting I	3	T	CADD 101, and EGR 101 or consent of department	FL/ SP	
SOCIAL SCIENCE	Select one course from Group II Social and Behavioral Sciences	3	T	CADD 101 and CADD 120 with a minimum grade of C or consent of department	FL/SP/SM	
Total Semester Hours		<b>15</b>				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CADD 270	Solidworks – Parametric 3D Solid Modeling	3	T	CADD 101, CADD 120, and EGR 101, or consent of the department	FL/SP/SM	
CORE PROGRAM ELECTIVES	Any CADD course elective	3	T	Appropriate pre-requisites as listed in the catalog for each class	FL/SP	Students may select 6 hours from any CADD courses.
EEAS 101	Basic Wiring and Circuit Design	4	T		FL/SP	
DEPT. ELECTIVE	Choose from any Technical Department Course	3	T	CADD 101 or an experienced drafter, designer or engineer	FL/SP/SM	
Total Semester Hours		<b>13</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 15 credit hours applicable to the degree 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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