

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

Mode of Delivery:  
 T = Traditional classroom  
 W = Online  
 Q = Blended

Program Prerequisites: None

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
CIS 126	Microsoft Office	3	W, T		ALL	
ENG 101	Rhetoric	3	T	Appropriate COMPASS placement score 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.	ALL	
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.	ALL	
MATH 119 or 139	Mathematics for Technical Students or Pre-Calculus II: Trigonometry	4 TO 5	T	Appropriate COMPASS placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent. MATH 139 -- Appropriate COMPASS placement score or minimum grade "C" in MATH 138 or equivalent.	FL/SP	
<b>Total Semester Hours:</b>		<b>17-18</b>				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
CADD 110	2D Computer Aided Design and Drafting I	3	T	CADD 101 plane geometry or consent of department.	FL, SP	
ENG 102 OR 130	Rhetoric or Technical Writing and Communication	3	T	Minimum Grade "C" in ENG 101.	FL, SP	
EGR 102	Engineering Graphics	4	T	EGR 101	SP	
PHYS 100	Basic Physics	4	T	COMPASS 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 COMPASS placement score or minimum grade "C" in MATH 139 which may be taken concurrently.	FL, SP	
MFG 101	Precision Machine Tool Technology I	4	T		FL, SP	
<b>Total Semester Hours:</b>		<b>18</b>				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
CADD 250	CREO Parametric 3D Solid Modeling	3	T	CADD 101 and CADD 120 with a minimum grade of C or consent of department.	FL, SP	
AEC 207	Structural Planning and Analysis	3	T	MATH 119 OR MATH 138.	FL	
MFG 115 OR 200	Blueprint Reading for Manufacturing and Welding	3	T	MFG 200 Pre-requisite: MFG 115 or CADD 101	FL, SP	
CADD 120	3D Computer Aided Design and Drafting I	3	T	CADD 101, CADD 110 and EGR 101 or consent of department.	FL, SP	
SOCIAL SCIENCE	Select one course from Group II Social and Behavioral Sciences	3	T		ALL	
<b>Total Semester Hours:</b>		<b>15</b>				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
CADD 270	Solidworks -- Parametric 3D Solid Modeling	3	T	CADD 101 or an experienced drafter, designer or engineer.	ALL	
CORE PROGRAM ELECTIVES	CADD 100, CADD 103, CADD 106, CADD 180, CADD 220, CADD 230, CADD 252, CADD 260, CADD 280, CADD 295, or CADD 299	6	T	Appropriate pre-requisites as listed in the catalog for each class.	FL, SP	
EEAS 101	Basic Wiring and Circuit Design	4	T		FL, SP	
DEPT. ELECTIVE	Choose from AEC, CADD, CIS, MFG courses or as approved by program coordinator.	3	T		ALL	
<b>Total Semester Hours:</b>		<b>16</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**

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 Main Campus room A-1155  
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