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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 = Hybrid

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
WLDG 101	Introduction to the Welding Processes	3	T		ALL	
MFG 115	Blue print Reading	3	T		ALL	
ENG 130 or ENG 101	Technical Writing and Communication or Rhetoric	3	T	COMPASS Placement into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequent ENG 079 and ENG 089, or ENG 096. ENG 101 Prerequisite: Appropriate COMPASS placement score or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequent ENG 079 and ENG 089, or ENG 096.	ALL	Student may substitute ENG 102 or ENG 130
MFG 120	Physical Metallurgy	3	T	MFG 101	ALL	
CIS 126	Microsoft Office	3	T		ALL	
TMAT 107	Technical Mathematics*	3	T	Appropriate COMPASS placement score or minimum grade C in MATH 090 or MATH 091 or equivalent. Not intended for transfer.	ALL	
<b>Total Semester Hours:</b>		<b>18</b>				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
WLDG 110	SMAW I Flat and Horizontal	3	T	WLDG 101 with minimum grade of C.	ALL	
WLDG 140	GMAW	3	T	WLDG 101 and MFG 120 with minimum grade of C.	ALL	
EGR 100	Introduction to Engineering Graphics	3	T		ALL	
MGMT 103	Occupational Safety and Health	3	T		ALL	
WLDG 162	GTAW I Plates	3	T	WLDG 101 and MFG 115 with minimum grades of C.	ALL	
MFG 101	Precision Machine Tool Tech.	4	T		ALL	
<b>Total Semester Hours:</b>		<b>17</b>				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Pre Requisites	Term(s) Offered	Notes
WLDG 120	SMAW II Vertical and Overhead	3	T	WLDG 110 with a minimum grade of C.	ALL	
WLDG 166	GTAW Pipe Welding	3	T	WLDG 101 and MFG 115 with minimum grades of C.	ALL	
WLDG 170	SMAW Pipe Welding Pre-Certification	3	T	WLDG 120, MFG 115, and MFG 120 with minimum grades of C. Appropriate COMPASS placement score or minimum grade "C" in TMAT 107 or MATH 094 or equivalent.	ALL	
TMAT 108	Technical Math II*	3	T		ALL	
Social Science Elective	Elective	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
WLDG 141	FCAW Pipe Welding	3	T	WLDG 140 with minimum grade C.	ALL	
WLDG 142	GMAW Pipe Welding	3	T	WLDG 140 with a minimum grade of C.	ALL	
WLDG 172	SMAW Pipe Welding II	3	T	WLDG 170 with a minimum grade of C.	ALL	
IMT 122	Industrial Piping Systems	3	T		ALL	
CADD 101	2D Computer Aided Design & Drafting	3	T	MATH 095 or consent of department.	ALL	
WLDG 299	Special Topics in Welding	3	T	WLDG 172 with a minimum grade of B. Course can be repeated 3 times.	ALL	
<b>Total Semester Hours:</b>		<b>18</b>				

**Graduation Requirements**

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

- Satisfy all admission requirements.
- 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.
- Earn a cumulative grade point average of at least 2.0.
- Discharge all financial obligations to the college; have no restrictions.
- File an application for graduation (An application should be filed at the time of registration for student's anticipated 1st semester).
- 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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