



**2023-2024 Completion Guide  
Operations Engineering, A.A.S., TE140  
ICCB Approved Total Program Hours: 60**

Date: March 30, 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

- 1) Complete an application to the college found at [www.jjc.edu/admissions](http://www.jjc.edu/admissions) and select one of the following choices
  - a. Operations Engineering, AAS
  - b. Operations Technician, AAS
  - c. Operations Engineering, CAC
  - d. Operations Technician, CAC
- 2) High School transcript or GED on file with the Admissions Office verifying completion.
- 3) Placement into the following courses based on degree type; ENG 101 and Math 138 or higher for OE or ENG 130 and Math 119 for OT.
- 4) All college transcripts (other than JJC) must be evaluated and placed on record prior to submission of your application for the program.
- 5) Schedule an appointment with the OET advisor to review documents and the procedure

**T = Traditional    H = Hybrid    W = Web**

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
EEAS 101	Basic Wiring and Circuit Design	4	T		Fall	This course is a closed course and for students in the OET Program only
ENG 101	Rhetoric	3	T, H, W	Placement score	All	ENG 130 may be used
MATH 138 or Math 142 Or Higher level Math	Pre-Calculus II: Trigonometry or Accelerated Trigonometry/Pre-Calculus	4 or 5	T, H, W	Appropriate placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent.	All	
OET 101	Intro to Industrial Plant	4	T	Consent of the Department. The student must be admitted into the OET Program and be pursuing one of its degrees or certificates.	Fall	This course is a closed course and for students in the OET Program only
Total Semester Hours		15				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
Chem 101	General Chemistry	5	T, H, W	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 098, or minimum grade "C" in MATH 094. Recommended: TMAT	All	

				107 (previously MATH 107) or TMAT 108 (previously MATH 108).		
EEAS 111	Industrial Controls I	4	T		Spring	This course is a closed course and for students in the OET Program only
IMT 101	Industrial Maintenance Fundamentals	3	T		Spring	This course is a closed course and for students in the OET Program only
OET 291	Operations Career Development	1	T		Spring	This course is a closed course and for students in the OET Program only
	Total Semester Hours	13				

Summer Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
Internship 295	OET Internship	5	T		Summer	This course is a closed course and for students in the OET Program only
	Total Semester Hours	5				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
Phys 101	General Physics	5	T, H, W	Placement into ENG 101	Fall	
IMT 111	Mechanical Power Transmission	3	T		Fall	This course is a closed course and for students in the OET Program only
IMT 121	Industrial Fluid Power	3	T, H		Fall	This course is a closed course and for students in the OET Program only
EEAS 115	Electrical/Electronic Troubleshooting	4	T	Minimum grade "C" in EEAS 111	Fall	This course is a closed course and for students in the OET Program only
	Total Semester Hours	15				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
Social and Behavioral Science Elective		3				
PCIT 111	Pneumatic Measurement and Control	3	T		Spring	This course is a closed course and for students in the OET Program only
IMT 112	Rotating Equipment	3	T		Spring	This course is a closed course and for students in the OET Program only
EGR 160	Thermo Dynamics	3	T	Math 139 or Higher-level Math, and PHYS 101		
	Total Semester Hours	12				

### 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 given 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 JJC. Proficiency test, CLEP and Advanced Placement does 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 the student's anticipated last semester.)
6. Have all official transcripts from other colleges/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:	<b>Department Chairperson</b>	<b>Program Coordinator</b>	<b>Program Advisor</b>
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