



2021-2022 Completion Guide
Operations Engineering, A.A.S., TE140
ICCB Approved Total Program Hours: 66

Date: September 1, 2019	<i>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.</i>
Program Prerequisites	<p>1) Complete an application to the college found at www.jjc.edu/admissions and select the following choice Operations Engineering, AAS Operations Engineering, CAC</p> <p>2) High School transcript or GED on file with the Admissions Office verifying completion.</p> <p>3) Placement into the following courses based on degree type; ENG 101 and Math 138 or higher</p> <p>4) All college transcripts (other than JJC) must be evaluated and placed on record prior to submission of your application for the program.</p> <p>5) Schedule an appointment with the OET advisor to review documents and the procedure</p>

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	
ENG 101	Rhetoric	3	T,H,W	Appropriate 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	
MATH 138	Pre-Calculus I: Algebra	4	T	Appropriate placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent.	All	Math 142 may be taken in place of Math 138 and 139
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.		
Total Semester Hours		15				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
Math 139	Pre-Calculus II: Trigonometry	4	T	Appropriate placement score or minimum grade "C" in MATH 138 or equivalent.	All	Not required if Math 142 was passed first semester.
CHEM 101	General Chemistry I	5	T	One year of high school chemistry or minimum grade "C" in CHEM 100; and placement into ENG 101 or minimum grade of "C" in one of the	Spring	

				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 138 or minimum grade "C" in MATH 098.		
EEAS 111	Industrial Controls I	4	T			This course is a closed course and for students in the OET Program only
IMT 101	Industrial Maintenance Fundamentals	3	T			This course is a closed course and for students in the OET Program only
OET 291	Operations Career Development	1	T	OET 295 or consent of Department.		This course is a closed course and for students in the OET Program only
	Total Semester Hours	17				

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
Group II	Social and Behavioral Sciences	3	T, H, W		All	
	Total Semester Hours	8				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
PHYS 101	General Physics I	5	T	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.	Fall	
EEAS 113	Industrial Controls II	4	T	Minimum grade "C" in EEAS 111		This course is a closed course and

					for students in the OET Program only
IMT 111	Mechanical Power Transmission	3	T		This course is a closed course and for students in the OET Program only
IMT 121	Industrial Fluid Power	3	T		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
PHYS 102	General Physics II	5	T	Minimum grade "C" in PHYS 101 and 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.	Spring	
EEAS 215	Process Control & Instrumentation	4	T	Minimum grade "C" in EEAS 113		This course is a closed course and for students in the OET Program only
IMT 112	Rotating Equipment	3	T			This course is a closed course and for students in the OET Program only
EGR 160	Applied Thermodynamics	3	T	MATH 139 or MATH 142, and PHYS 102		This course is a closed course and for students in the OET Program only
	Total Semester Hours	15				

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.

	Department Chairperson	Program Coordinator	Program Advisor
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