



**2022-2023 Completion Guide**  
**Industrial Electrical/Electronics, CAC, TE510**  
**ICCB Approved Total Program Hours: 42**

Date: September 1, 2019

*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**

**First Semester**

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
EEAS 101	Basic Wiring and Circuit Design	4	T	None	FL/SP/SM	
EEAS 111	Industrial Controls I	4	T	None	FL/SP/SM	
MATH 098 or higher	Take one course from General Education Group IV: Math	4	T/W	Math 098 Prerequisite: Appropriate placement score or a minimum grade of "C" in MATH 090 and MATH 094	FL/SP/SM	
Total Semester Hours		12				

**Second Semester**

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
EEAS 113	Industrial Controls II	4	T	EEAS 111	FL/SP	
EEAS 115	Electrical/Electronics Troubleshooting	4	T	EEAS 115 may be taken concurrently with EEAS 113	FL/SP	
ENG 101 or ENG 130	Rhetoric or Technical Writing and Communication	3	T/H/W	Appropriate placement score or minimum grade "C" in one of the following: ENG 021 and ENG 099, ENG 022 and ENG 099 or the EAP course sequence ENG 079 and ENG 089, or ENG 096.	FL/SP/SM	
Total Semester Hours		11				

**Third Semester**

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
EEAS 215	Process Control and Instrumentation	4	T	EEAS 113	FL/SP	
EEAS 221	Industrial Circuits Basic Programmable Logic Controllers	4	T	EEAS 113	FL/SP	
EEAS 240	Motors and Drives	4	T	EEAS 101, EEAS 111 and EEAS 113	FL/SP	
Total Semester Hours		12				

**Fourth Semester**

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
EEAS 223	Industrial Circuits – Advanced Programmable Controllers	4	T	EEAS 221	FL/SP	Eight week course, 1st eight weeks

EEAS 225	Automated Systems	4	T	EEAS 115 and EEAS 221	FL/SP	Eight week course, 2nd eight weeks
	Total Semester Hours	8				

### Graduation Requirements

To be awarded a certificate of achievement or a certificate of completion 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.

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