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| JJC Logo Primary_black.jpg | **2019-2020 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**

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| **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 |  |  |  |  |

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| **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 |  |
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|  | Total Semester Hours | 11 |  |  |  |  |

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| **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 |  |
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|  | Total Semester Hours | 12 |  |  |  |  |

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| **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 |
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|  | 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 60 credit hours of which 15 credit hours applicable to the degree are earned 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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| Name: Jeff Bradford | Name: Dennis O’Donnell/Cheryl Upshaw | Name: Cheryl Upshaw |