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| JJC Logo Primary_black.jpg | **2020-2021 Completion Guide**  **Process Instrumentation Technology, A.A.S., TE543**  **ICCB Approved Total Program Hours: 65** |
| 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 |
| ENG 101 or ENG 130 | Rhetoric or Technical Writing and Communication | 3 | Varies | 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. | FL/SP/SM |  |
| TMATH 107 | Technical Mathematics I | 3 | Varies | Prerequisite: Appropriate placement score or a minimum grade of “C” in MATH 090 | Varies | Take TMath 107 & 108 or Math 119 |
| MATH 119 | Mathematics for Technical Students | 5 | T | Pre-requisite: Appropriate placement score or minimum grade “C ” in MATH 095 and MATH 098 or equivalent | Varies |  |
| EEAS 111 | Industrial Controls I | 4 | T | NONE | Varies |  |
| EET 113 | Electrical Circuits | 4 | T | NONE | Varies |  |
|  | Total Semester Hours | 16 |  |  |  |  |

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| **Second Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| TMATH 108 or | Technical Mathematics II, or | 3 | T | Prerequisite: MATH 107 or MATH 094 with a minimum grade of “C” or appropriate placement score | Varies | Take TMATH 107 & 108 or Math 119 |
| PCIT 101 | Introduction to Process Technology | 4 | T | NONE | Varies |  |
| EEAS 113 | Industrial Controls II | 4 | T | EEAS 111 | Varies |  |
| EET 114 | Digital Electronics | 4 | T | NONE | Varies |  |
| IMT 121 | Industrial Fluid Power | 3 | T | NONE | Varies |  |
|  | Total Semester Hours | 15 |  |  |  |  |

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| **Third Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| PCIT 111 | Pneumatic Measurement and Control | 3 | T | NONE | Varies | Eight week course, 1st eight weeks |
| PCIT 113 | Electronic Measurement and Control Lecture | 3 | T | PCIT 111 | Varies | Eight week course, 2nd eight weeks |
| EEAS 221 | Industrial Circuits Basic Programmable Logic | 4 | T | EEAS 113 | Varies |  |
| PHYS 103 | Technical Physics | 4 | T | Prerequisite: placement into ENG 101 or minimum grade “C” in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 078 and ENG 089, or ENG 096; and placement into MATH 094, or minimum grade “C” in MATH 090 or equivalent. Recommended: TMATH 107 (previously Math 107) or TMATH 108 (previously Math 108) | Varies |  |
| Social Science Elective |  | 3 | Varies | Prerequisite: placement into ENG 101 or minimum grade “C” in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 078 and ENG 089, or ENG 096 | Varies |  |
|  | Total Semester Hours | 17 |  |  |  |  |

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| **Fourth Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| PCIT 221 | Control Loop Tuning and Troubleshooting | 3 | T | PCIT 113 | Varies | Eight week class. 1st eight weeks |
| PCIT 241 | Industrial Data Communications: Serial Standards | 3 | T | PCIT 321 | Varies | Eight week class. 2nd eight weeks. |
| EET 214 or EEAS 223 | Microcomputer Electronics or Industrial Circuits – Advanced Programmable Controllers | 4 | T | EET 114 or EEAS 221 | Varies |  |
| PCIT 231 | Analyzing | 3 | T | PCIT 221 | Varies | Eight week class, 2nd eight weeks. |
| Technical Elective | IMT, EET, EEAS, or PCIT elective | 4 | Varies | Varies | Varies |  |
|  | Total Semester Hours | 17 |  |  |  |  |

**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.

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| For more information: | **Department Chairperson** | **Program Coordinator** | **Program Advisor** |
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