**INDUSTRIAL ELECTRONICS TECHNOLOGY**

**Technical Diploma**

**2018-2019**



|  |  |  |  |
| --- | --- | --- | --- |
| **FALL SEMESTER** |  |  |  |
|  | **SEMESTER 1 - Fall** |  |  |  |
| ETRN 1000  | Occupational Safety  | 2 Credits | Semester Taken:  | Grade Earned: |
| ETRN 1005  | Basic Electricity  | 5 Credits | Semester Taken:  | Grade Earned: |
| ETRN 1205  | Digital Circuits  | 5 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2710  | Introduction to Networking  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2800  | Electronic Troubleshooting I  | 3 Credits | Semester Taken:  | Grade Earned: |
|  | **CTS: Basic Electricity** **TOTAL SEMESTER CREDITS**  | **18** |  |  |
|  | **SEMESTER 2 - Spring** |  |  |  |
| ETRN 1004  | Microprocessors  | 4 Credits | Semester Taken:  | Grade Earned: |
| ETRN 1105  | Basic Electronics  | 5 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2113  | Introduction to Programmable Controllers  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN XXXX see note 1 | Major Elective  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN XXXX see note 1 | Major Elective  | 3 Credits | Semester Taken:  | Grade Earned: |
|  | **TOTAL SEMESTER CREDITS**  | **18** |  |  |
|  | **SEMESTER 3 - Summer** |  |  |  |
| ETRN 2120  | Communications Principles & Systems | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2840  | Electronic Troubleshooting II  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN XXXX see note1 | Major Elective  | 3 Credits | Semester Taken:  | Grade Earned: |
|  | **TOTAL SEMESTER CREDITS**  | **9** |  |  |
| Technical Diploma - Industrial Electronics Technician**TOTAL DEGREE CREDITS** | **45** |  |  |

A grade of “C” or higher is required in all courses.

1 Choose from: ETRN 1100, 1303, 2130, 2620, 2720, 2733 or 2810. Note: courses are offered on a rotation and may not be offered on all campuses.

This degree plan is an academic planning resource. The applicable edition of the college catalog is the official source for all degree requirements. The college reserves the right to change, modify, or alter this resource without notice.  The college strongly encourages students to consult their advisors for questions regarding degree completion. OAA9/18

**INDUSTRIAL ELECTRONICS TECHNOLOGY**

**Technical Diploma**

**2018-2019**



|  |  |  |  |
| --- | --- | --- | --- |
| **SPRING SEMESTER** |  |  |  |
|  | **SEMESTER 1 - Spring** |  |  |  |
| ETRN 1000  | Occupational Safety  | 2 Credits | Semester Taken:  | Grade Earned: |
| ETRN 1005  | Basic Electricity  | 5 Credits | Semester Taken:  | Grade Earned: |
| ETRN 1205  | Digital Circuits  | 5 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2710  | Introduction to Networking  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2800  | Electronic Troubleshooting I  | 3 Credits | Semester Taken:  | Grade Earned: |
|  | **CTS: Basic Electricity** **TOTAL SEMESTER CREDITS**  | **18** |  |  |
|  | **SEMESTER 2 - Summer** |  |  |  |
| ETRN 1105  | Basic Electronics  | 5 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2113  | Introduction to Programmable Controllers  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN XXXX see note1 | Major Elective  | 3 Credits | Semester Taken:  | Grade Earned: |
|  | **TOTAL SEMESTER CREDITS**  | **11** |  |  |
|  | **SEMESTER 3 - Fall** |  |  |  |
| ETRN 1004  | Microprocessors  | 4 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2120  | Communications Principles & Systems | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN 2840  | Electronic Troubleshooting II  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN XXXX see note1 | Major Elective  | 3 Credits | Semester Taken:  | Grade Earned: |
| ETRN XXXX see note 1 | Major Elective  | 3 Credits | Semester Taken:  | Grade Earned: |
|  | **TOTAL SEMESTER CREDITS**  | **16** |  |  |
| Technical Diploma - Industrial Electronics Technician**TOTAL DEGREE CREDITS**  | **45** |  |  |

A grade of “C” or higher is required in all courses.

1 Choose from: ETRN 1100, 1303, 2130, 2620, 2720, 2733 or 2810. Note: courses are offered on a rotation and may not be offered on all campuses.

This degree plan is an academic planning resource. The applicable edition of the college catalog is the official source for all degree requirements. The college reserves the right to change, modify, or alter this resource without notice.  The college strongly encourages students to consult their advisors for questions regarding degree completion. OAA9/18