**Associate of Applied Science**

**Electrical Technology**

**Industrial Electrical Concentration**

**Effective Fall 2019**

**Name:**   **NMU IN**# \_

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| **Course** | **Credits** | **Grade** | **Semester/Year** |
| **General Education**  **(17)** |
| EN 111 College Composition | 4 |  |  |
| EN 211 College Composition II | 4 |  |  |
| MA 115 Precalculus | 4 |  |  |
| PH 201 College Physics I | 5 |  |  |
| **Major Courses (16)** |
| ET 112 DC Circuit Analysis | 4 |  |  |
| ET 113 AC Circuit Analysis | 4 |  |  |
| ET 210 Discrete Semiconductors | 4 |  |  |
| ET 211 Digital Electronics | 4 |  |  |
| IT 010 Exit Seminar | 0 |  |  |
| **Technical Concentration (23)** |
| ET 202 Industrial Wiring | 2 |  |  |
| ET 212 Advanced Linear Circuits | 3 |  |  |
| ET 250 Industrial Electrical Machinery | 4 |  |  |
| ET 252 Industrial Motor Controls | 4 |  |  |
| ET 311 Applied Programmable Controllers | 2 |  |  |
| ET 360 Process Control Systems | 3 |  |  |
| IT 180 Introduction to Fluid Power | 3 |  |  |
| IT 215 General Industrial Safety | 2 |  |  |
| **General Electives (As Needed to reach 60 Credits)** |
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**Total Credits Required: 60**

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| Fall Semester I |  |
| EN 111 College Composition I | 4 |
| ET 112 DC Circuit Analysis | 4 |
| IT 180 Introduction to Fluid Power | 3 |
| MA 115 Precalculus | 4 |
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| Semester Total  | 15 |
| Winter Semester I |  |
| EN 211 College Composition II | 4 |
| ET 113 AC Circuit Analysis | 4 |
| ET 202 Industrial Wiring Concepts | 2 |
| IT 215 General Industrial Safety | 2 |
| Elective | 3 |
| Semester Total  | 15 |
| Fall Semester II |  |
| ET 210 Discrete Semiconductors | 4 |
| ET 250 Industrial Electrical Machinery | 4 |
| ET 360 Process Control | 3 |
| PH 201 College Physics I | 5 |
| Semester Total  | 16 |
| Winter Semester II |  |
| ET 211 Digital Electronics | 4 |
| ET 212 Advanced Linear Circuits | 3 |
| ET 252 Industrial Motor Controls | 4 |
| ET 311 Applied Programmable Controllers | 3 |
| IT 010 Exit Seminar | 0 |
| Semester Total  | 14 |

 **Total Credits Required 60**