**Bachelor of Science**

**ELECTRICAL ENGINEERING TECHNOLOGY**

**Effective Fall 2022**

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

| **Course**  | **Credits** | **Grade** | **Semester/Year** |
| --- | --- | --- | --- |
| **General Education Program**  **(30 - 40)**  |
| **Effective Communication (6 - 8)** |
| EN 111 College Composition | 4 |  |  |
| EN 211 College Composition II | 4 |  |  |
| **Quantitative Reasoning and Analysis** **(3 - 4)** |
| *Satisfied by required course* | 4 |  |  |
| **Social Responsibility in a Diverse World (3 - 4)** |
|  |
| **Integrative Thinking (3 - 4)** |
|  |  |  |  |
| **Human Expression (3 – 4)** |
|  |  |  |  |
| **Perspectives on Society** **(6 - 8)** |
| *Satisfied by required course* | 4 |  |  |
|  |  |  |  |
| **Scientific Inquiry (6 - 8)** |
| *Satisfied by required course* | 4 |  |  |
| *Satisfied by required course* | 4 |  |  |
| **Major Courses (53)** |
| IT291 Industrial Robotics I | 3 |  |  |
| IT 292 Industrial Robotics II | 2 |  |  |
| ET 112 DC Circuit Analysis | 4 |  |  |
| ET 113 AC Circuit Analysis | 4 |  |  |
| ET 210 Discrete Semiconductors | 4 |  |  |
| ET 211 Digital Electronics | 4 |  |  |
| 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 321 Embedded Systems Programming  | 4 |  |  |
| ET 360 Process Control Systems | 3 |  |  |
| ET 410 Interfacing and Data Acquisition | 3 |  |  |
| ET 415 Controls | 3 |  |  |
| ET 420 Microcontroller Applications | 3 |  |  |
| ET431 Senior Project I | 1 |  |  |
| ET 432 Senior Project II | 2 |  |  |
| **Other Required Courses (42)** |
| CH 105 Chemical Principles | 4 |  |  |
| DD 105 Schematic/Diagram Drafting | 2 |  |  |
| IT 180 Introduction to Fluid Power | 3 |  |  |
| IT 215 General Industrial Safety | 2 |  |  |
| IT 420 Quality Control | 3 |  |  |
| DATA 109 Introduction to Statistics | 4 |  |  |
| MA 115 Precalculus | 4 |  |  |
| MA 161 Calculus I | 4 |  |  |
| MET 211 Mechanics-Statics  | 4 |  |  |
| PH 201 College Physics I | 5 |  |  |
| TE 351 Humanity and Technology | 4 |  |  |
| **General Electives** |
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**Total Credits Required: 120**