**Associate of Applied Science**

**ENGINEERING DESIGN**

**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 |  |  |
| **Technical Major (20)** |
| DD 100 Tech Drafting/Intro to CAD | 4 |  |  |
| DD 103 GD&T | 2 |  |  |
| DD 105 Schematic/Diagram Drafting | 2 |  |  |
| DD 202 Product Design & Development | 4 |  |  |
| DD 203 Industrial Drawing and Design | 4 |  |  |
| MF 233 Numerical Control | 4 |  |  |
| **Other Requirements (22)** |
| AD 11 Human Centered Design: Foundations | 4 |  |  |
| ET 110 Intro to Electricity | 4 |  |  |
| IT 180 Introduction to Fluid Power  | 3 |  |  |
| MET 211 Mechanics-Statics | 4 |  |  |
| MET 213 Materials Science I | 3 |  |  |
| MF 134 Manufacturing Processes | 4 |  |  |
| IT 010 Exit Seminar  | 0 |  |  |
| **General Electives (1)** |
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**Total Credits Required 60**

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| **Fall Semester I** |  |
| EN 111 College Composition I | 4 |
| DD 100 Tech Drafting/Intro to CAD | 4 |
| MA 115 Precalculus | 4 |
| AD 111 Human Centered Design: Foundations | 4 |
| Semester Total  | 16 |
| **Winter Semester I** |  |
| EN 211 College Composition II | 4 |
| ET 110 Intro to Electricity | 4 |
| DD 103 Geometric Dimensioning and Tolerancing | 2 |
| DD 105 Schematic/Diagram Drafting | 2 |
| MF 134 Manufacturing Processes | 4 |
| Semester Total  | 16 |
|  |  |
| **Fall Semester II** |  |
| DD 202 Product Design & Development | 4 |
| IT 180 Introduction to Fluid Power | 3 |
| MET 211 Mechanics-Statics | 4 |
| MF 233 Numerical Control | 4 |
| Semester Total  | 15 |
| **Winter Semester II** |  |
| DD 203 Industrial Drawing and Design | 4 |
| MET 213 Materials Science I | 3 |
| PH 201 College Physics I | 5 |
| IT 010 Exit Seminar | 0 |
| Elective | 1 |
| Semester Total  | 13 |

 **Total Credits Required 60**