**Bachelor of Science**

**MECHANICAL ENGINEERING TECHNOLOGY**

**Effective Fall 2019**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_NMU IN**# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credits** | **Grade** | **Semester/Year** |
| **General Education Program**  **(30 - 40)** | | | |
| **Effective Communication (6 - 8)** |  |  |  |
| EN 111 College Composition |  |  |  |
| EN 211 College Composition II |  |  |  |
| **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 (32)** | | | |
| MET 211 Mechanics Statics | 4 |  |  |
| MET 213 Materials Science I | 3 |  |  |
| MET 216 Materials Science II | 3 |  |  |
| MET 310 Mechanics-Dynamics | 4 |  |  |
| MET 311 Strength of Materials | 4 |  |  |
| MET 320 Mechanical Design | 4 |  |  |
| MET 410 Thermodynamics | 4 |  |  |
| MET 420 Fluid Mechanics | 3 |  |  |
| MET 431 Senior Project I | 1 |  |  |
| MET 432 Senior Project II | 2 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Course** | **Credits** | **Grade** | **Semester/Year** |
| **Other Required Courses (56)** | | | |
| CH 105 Chemical Principles | 4 |  |  |
| DD 100 Technical Drawing/Intro to CAD | 4 |  |  |
| DD 202 Product Development and Design | 4 |  |  |
| DD 203 Industrial Drawing and Design | 4 |  |  |
| ET 110 Introduction to Electricity | 4 |  |  |
| ET 360 Process Control Systems | 3 |  |  |
| ET 410 Interfacing and Data Acquisition | 3 |  |  |
| MA 115 Precalculus | 4 |  |  |
| MA 109 Introduction to Probability and Statistics | 4 |  |  |
| MA 161 Calculus I | 4 |  |  |
| MF 134 Manufacturing Processes | 4 |  |  |
| PH 201 College Physics I | 5 |  |  |
| PH 202 College Physics II | 5 |  |  |
| TE 351 Humanity and Technology | 4 |  |  |
| **Concentration (14)** | | | |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Total Credits Required: 126**