NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **North Dakota State University**

**College of Engineering**

**MANUFACTURING ENGINEERING MINOR**

**REQUIREMENTS: 18 credits**

(A minimum of 9 credits must be taken at NDSU)

**Required Courses: 12 credits**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Dept** | **Course #** | **Course Title** | **Credits** | **Grade** | **Sem/Yr Completed** | **TR Course**  **🗹** |
| IME | 330 | Manufacturing Processes | 3 |  |  |  |
| IME | 380 | CAD/CAM in Manufacturing | 3 |  |  |  |
| IME | 430 | Process Engineering | 3 |  |  |  |
| IME | 431 | Production Engineering | 3 |  |  |  |

**Electives: 6 credits minimum**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Dept** | **Course #** | **Course Title** | **Credits** | **Grade** | **Sem/Yr Completed** | **TR Course**  **🗹** |
| IME | 335 | Welding Technology | 3 |  |  |  |
| IME | 427 | Electronics Manufacturing | 3 |  |  |  |
| IME | 432 | Composite Materials Manufacturing | 3 |  |  |  |
| IME | 437 | Methods for Precision Manufacturing | 3 |  |  |  |
| IME | 461 | Quality Assurance & Control | 3 |  |  |  |
| IME | 482 | Automated Manufacturing Systems | 3 |  |  |  |

**Only students majoring in an engineering discipline or with department permission applicable agricultural or physical sciences may elect a minor in Manufacturing Engineering.**