

# Manufacturing Engineering

## Department Information

- **Department Web Site:**  
[www.ndsu.edu/ime/](http://www.ndsu.edu/ime/) (<http://www.ndsu.edu/ime/>)
- **Credential Offered:**  
B.S.Mfg.E.; Minor
- **Official Program Curriculum:**  
[catalog.ndsu.edu/undergraduate/program-curriculum/manufacturing-engineering/](http://catalog.ndsu.edu/undergraduate/program-curriculum/manufacturing-engineering/) (<http://catalog.ndsu.edu/undergraduate/program-curriculum/manufacturing-engineering/>)

## Sample Program Guide

IMPORTANT DISCLAIMER: This guide is not an official curriculum. This guide is a sample four-year degree plan of how students might plan this major with other degree requirements to complete their education in four years. Student plans will vary from this sample due to a variety of factors, such as, but not limited to, start year, education goals, transfer credit, and course availability. To ensure proper degree completion, enrolled students should utilize Degree Map (<https://www.ndsu.edu/registrar/degreemap/>) and Schedule Planner (<https://www.ndsu.edu/onestop/degree-map-and-planning/>) in Campus Connection and consult regularly with academic advisors to ensure graduation requirements are being met.

<b>Freshman</b>			
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
CHEM 121 & 121L		4 IME 111	3
ENGL 110		3 MATH 166	4
ENGL 120		3 ME 212	3
MATH 165		4 ME 221	3
Computer Sci Elective (Select from official curriculum guide)		3 CHEM 122	3
		<b>17</b>	<b>16</b>
<b>Sophomore</b>			
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
COMM 110		3 IME 311	3
IME 330		3 MATH 266	3
MATH 128		1 PHYS 252 & 252L	5
MATH 259		3 ME 331	4
ME 222		3 CE 309	3
ME 223		3	
		<b>16</b>	<b>18</b>
<b>Junior</b>			
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
IME 380		3 IME 431	3
IME 430		3 IME 440	3
IME 460		3 IME 461	3
ENGL 321		3 ME 350	3
IME 456		3 Gen Ed Hum & Fine Arts/Glob Persp	3
Gen Ed Wellness		2	
		<b>17</b>	<b>15</b>

<b>Senior</b>			
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
IME 480		3 IME 489	3
IME 482		3 Engr Sci Elective (Select from official curriculum)	3
Gen Ed Social & Behavioral Sciences		3 Gen Ed Soc & Beh Sci/Cult Div	3
Tech Elective (Select from official curriculum guide)		3 Tech Elective (Select from official curriculum guide)	3
ENGR 327		3 Tech Elective (Select from official curriculum guide)	3
		<b>15</b>	<b>15</b>

**Total Credits: 129**

### **DEGREE NOTES:**

- Grades less than 'C' will not be accepted for required courses in CHEM, MATH, and PHYS.
- Students may request approval for other 300-400 level engineering or related courses to be approved as technical electives. To request approval, a student should submit a request to the IME Department indicating the course of interest and why the course should be approved as a technical elective. This request will be reviewed by the IME Department Chair for approval.
- 300-400 level BUSN courses require at least junior standing and a minimum 2.50 cumulative GPA.