BS in Mechanical Engineering - 2024-2025

## Student Name:

## Student ID:

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| Mechanical Engineering Requirements |  |  |
| :---: | :---: | :---: |
| ENP 252 | 4 | Engineering Systems |
| ENP 302 | 3 | Mechanics of Materials |
| ENP 303 | 3 | Dynamics |
| ENP 355 | 3 | Fluid Mechanics and Water Flow |
| ENP 357 | 3 | Heat Transfer |
| ENP 359 | 2 | Mechanical Engineering Laboratory |
| Select $\underline{6}$ additional hours from the following: |  |  |
| BIO 201 | 4 | Biology I: Foundations of Cell Biology and Genetics |
| BIO 203 | 4 | Principles of Genetics |
| CHE 212 | 4 | College Chemistry II |
| COS 121 | 4 | Foundations of Computer Science |
| COS 230 | 3 | Missions Technology |
| ENP 261 | 3 | Digital Systems Design |
| ENP 360 | 1-4 | Independent Study |
| ENP 370 | 1-4 | Selected Topics |
| ENP 386 | 3 | Shop Machining and Fabrication |
| ENP 450 | 1-4 | Directed Research |
| ENS 241 | 4 | Physical Geology |
| MAT 345 | 4 | Linear Algebra |
| BIO | 1-10 | Any 300/400 electives not used in major |
| CHE | 1-10 | Any 300/400 electives not used in major |
| COS | 1-10 | Any 300/400 electives not used in major |
| ENP | 1-10 | Any 300/400 electives not used in major |
| ENS | 1-10 | Any 300/400 electives not used in major |
| MAT | 1-10 | Any ${ }^{+}$300/400 electives not used in major |
| PHY | 1-10 | Any 300/400 electives not used in major |
| SYS | 1-10 | Any 300/400 electives not used in major |

Total Major Hours Required: 103
$\qquad$ Participation in a weekend retreat for all students in the department.

## Degree Requirements

- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor-64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All general education, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.

