### Suggested Curriculum

This should be used as a **guide** only. Semester offerings are subject to change.

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**Total hours to complete the degree program = 130**

*These required courses can be taken without being in the Mechanical major.

† BIOLOGY 2100 (4 hours), CHEM 2000-level (3 hours or more) or above, and ANATOMY 2200 can substitute for MATSCEN 2010.

All students must satisfy a 32 credit hour minimum for math and basic sciences. Students with high math or science placements and transfer students without credit for lower courses should consult with the MAE academic advisors to ensure this minimum is met. Such students may be required to take extra coursework to meet graduation requirements.

### Acceptance Criteria

Formal application to the major is required. Prerequisite courses to the major are English 1110.xx and the EPHR courses listed below. In order to be eligible to apply to the major students must have a minimum 2.8 EPHR; however, this minimum does not guarantee acceptance to the major. Acceptance into the Mechanical Engineering major is competitive, based on a student’s EPHR.

Email maeadvisor@osu.edu for more information.

EPHR courses: CHEM 1250; ENGR 1181, 1182; MATH 1172, 2173; MECHENG 2010; PHYSICS 1250, 1251; STAT 3450; or their equivalents.
Program Options

Technical and Other electives
- Minimum of 12 credit hours total.
- Please contact an MAE academic advisor or visit mae.osu.edu for technical elective program details and lists.

Capstone Courses 2 and 3 (choose one):
- 4901.01, 4901.02: General Projects
- 4902.01, 4902.02: Student Design Competitions
- 4903.01, 4903.03: Industry Projects
- 4904.01; 4904.02: Humanitarian Projects
- 4905.01; 4905.02: Assistive Devices

General Education Requirement

Writing and Communication
- English 1110.xx 3 hr
- Second Writing Course 3 hr

Social Science
Only one course per Social Science group may count.
- 3 hr
- 3 hr

Literature
- 3 hr

Visual and Performing Arts
- 3 hr

Historical Study
- 3 hr

Second Historical Study or Cultures and Ideas
- 3 hr

Social Diversity in the United States
Course may overlap with another general education category:
- 0 / 3 hr

Ethics
Course may overlap with another general education category:
- 0 / 3 hr

Foreign Language
Pre-approved substitutions
- Foreign Language 1103 Course: credit (including EM) for a foreign language sequence through 1103, or credit for a foreign language course with a prerequisite of 1103, can be used to satisfy the Cultures & Ideas Gen Ed category.
- Foreign Language Minor Courses: completion of a foreign language minor permits a student to overlap up to 6 credit hours between the Gen Ed and minor. A curricular petition must be submitted to the student’s program, which will forward it to the college for review. The courses must meet the spirit of the Gen Ed category for which overlap is requested.

University Capstone (Cross-Disciplinary Seminar)
Pre-approved substitutions
- Completion of a Social Science 3597 or 4597 can be substituted for a Social Science general education course in any group.
- Completion of an Arts & Humanities 3597 or 4597 can be substituted for a Visual/Performing Arts general education course.

See the list of approved general education courses for additional details: www.advising.engineering.osu.edu.

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