## Student Information

Name:
OSU Email:

## Suggested Curriculum

This should be used as a guide only. Offerings are subject to change. (BOLD courses offered only indicated semesters.)

| Year | Autumn | Spring |
| :---: | :---: | :---: |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

## Total Hours to complete the degree program = 127

*Students can fulfill chemistry requirements with either Chem 1250+2310 (8 hours) or Chem 1210+1220 (10 hrs) or 1250+1220 (9 hours). Please consult with academic advisor.

## Program Options

MATSCEN Elective Lab, MATSCEN Electives, and Technical Electives are chosen based on student's interest and focus area in Materials. Generally, these can be: Biomaterials, Ceramics, Electronic Materials, Metallurgy, or Polymers.

## Acceptance Criteria

Admission to the major program requires a formal application and is based on a student's cumulative point-hour ratio (CPHR), eligibility point-hour ratio (EPHR), and additional admission to major courses.
EPHR courses: MATH 1151, 1172; ENGR 1181, 1182; CHEM 1250 or 1210; PHYSICS 1250; MATSCEN 2010; or course equivalents. Additional admission to major courses not included in EPHR calculation: ENGLISH 1110.
Applications are accepted during autumn and spring terms. Admitted students will begin major courses in spring term, regardless of the term in which they are admitted.

## MATSCEN and Technical Electives (TE)

Twenty-one credit hours of electives are required, with at least 15 credit hours coming from MATSCEN courses numbered $\mathbf{5 0 0 0}$ or higher. One MATCCEN 5000-level lab is also required. The remaining six credit hours of TE may be any graded course in Engineering, Math, Biological, or Physical Sciences numbered 3000 or higher. Exceptions and recommendations: for Electronic Materials, ECE 2300 (Electrical Cir and Elect Devices); for Biomaterials and Polymers, Chem 2310 or 2510 (Organic Chemistry), if not already used as core chemistry requirement; for Biomaterials only, BIOLOGY 1113 (Biological Sci - Energy Transfer and Development) or BIOLOGY 2100 (Biological Analysis).

## General Education Requirement

| Writing and Communication |  |
| :--- | ---: |
| English 1110.xx 3 hr <br> Second Writing Course 3 hr <br> Social Science  <br> Must choose each course from a distinct subgroup of this category.  <br>  3 hr <br>  3 hr |  |

## Literature

3 hr
$\qquad$
Historical Study

## Second Historical Study or Cultures and Ideas

3 hr
Social Diversity in the U.S. or Global Diversity
Some courses may overlap with another GE category, See course list.
$0 / 3 \mathrm{hr}$

## Ethics

Some courses may overlap with another GE category, See course list.
$0 / 3 \mathrm{hr}$

## Optional: Foreign Language

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.

## Optional: University Capstone

Completion of a Social Science 3597 or 4597 can be substituted for a Social Science general education course in any subgroup. 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

