

Student Information

Name: _____ OSU Email: _____

Suggested Curriculum

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

| Year | Autumn | Spring |
|------|---|---|
| 1 | ___ CHEM 1210 (<i>Gen Chem 1</i>) 5 hr ___ MATH 1151 (<i>Calculus 1</i>) 5 hr ___ ENGR 1181 (<i>Fundamentals of Engr 1</i>) 2 hr ___ ENGR 1100 (<i>Engineering Survey</i>) 1 hr ___ General Education (<i>Foundation</i>) 3 hr | ___ CHEM 1220 (<i>Gen Chem 2</i>) 5 hr ___ MATH 1172 (<i>Engineering Math A</i>) 5 hr ___ ENGR 1182 (<i>Fundamentals of Engr 2</i>) 2 hr ___ PHYSICS 1250 (<i>Mechanics, Thermal, Waves</i>) 5 hr ___ Gen Ed 1201 (<i>Launch Seminar</i>) 1 hr |
| 2 | ___ MATH 2173 (<i>Eng Math B</i>) 3 hr ___ BIOLOGY 1113 (<i>Gen Biology</i>) 4 hr ___ BIOMEDE 2000 (<i>Intro to BME</i>) 3 hr ___ MECHENG 2040 (<i>Statics & Mechanics</i>) 4 hr ___ BIOMEDE 2800 (<i>Physio/Anat Lab</i>) 3 hr | ___ MATH 2174 (<i>Linear Algebra & Diff EQ</i>) 3 hr ___ PHYSICS 1251 (<i>E&M, Optics, Modern Phys</i>) 5 hr ___ BME 2200 (<i>Cells and Molecules</i>) 3 hr ___ MATSCEN 2010 (<i>Intro to Engr Materials</i>) 3 hr ___ STAT 3450 (<i>Prob and Stat</i>) 2 hr ___ BIOMEDE 2001 (<i>Prof Development</i>) 1 hr |
| 3 | ___ BIOMEDE 2700 (<i>Num Simulation in BME</i>) 2 hr ___ MECHENG 3500 (<i>Thermo</i>) 3 hr ___ Career Course 3 hr †BIOMEDE4X10 (<i>Domain 1</i>) 3 hr ___ BIOMEDE 3701 (<i>BME Labs</i>) 2 hr ___ General Education (<i>Foundation</i>) 3 hr | ___ BIOMEDE 3702 (<i>Meas & Instrum Lab</i>) 3 hr ___ † BIOMEDE 4X10 (<i>Domain 2</i>) 3 hr ___ General Education (<i>Foundation</i>) 3 hr ___ General Education (<i>Foundation</i>) 3 hr ___ Career Course 3 hr |
| 4 | ___ BIOMEDE 4901 (<i>Design 1</i>) 3 hr ___ Career Course (<i>Engineering</i>) 3 hr †BIOMEDE4X10 (<i>Domain 3</i>) 3 hr ___ General Education (<i>Theme: Citizenship for Just</i>) 4 hr ___ BIOMEDE 3703 (<i>Quantitative Physiol</i>) 3 hr | ___ BIOMEDE 4902 (<i>Design 2</i>) 3 hr ___ Career Course (<i>Engineering</i>) 3 hr ___ Career Course (<i>BME 5000-level</i>) 3 hr ___ General Education (<i>Theme: Student Choice</i>) 4 hr ___ General Education (<i>Foundation</i>) 3 hr |

Total Hours to complete the degree program = 131

Program Options

†Domain Options (choose 3)

BIOMEDE 4110 (*Bioimaging*)

BIOMEDE 4210 (*Biotransport*)

BIOMEDE 4310 (*Biomaterials*)

BIOMEDE 4410 (*Biomechanics*)

BIOMEDE 4510 (*Molecular, Cellular, & Tissue Eng*)

BIOMEDE 4610 (*Biomedical Micro-/Nano-Tech*)

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Career Electives

Select **15 hours total** from the approved list. **6 hours** must be in Engineering. An **additional 3 hours** must be in Biomedical Engineering at the 5000-level or higher.

Career Elective 1

Career Elective 2

Career Elective 3 (Engineering)

Career Elective 4 (Engineering)

Career Elective 5 (BME 5000-level)

General Education Requirement

General Education Launch Seminar

1 hr

Foundations: Writing and Information Literacy

3 hr

Foundations: Mathematical & Quantitative Reasoning/Data Analysis

Fulfilled by MATH 1151 Degree Requirement

0-5 hr

Foundations: Literary, Visual and Performing Arts

3 hr

Foundations: Historical & Cultural Studies

3 hr

Foundations: Natural Science

Fulfilled by CHEM 1210 Degree Requirement

0-5 hr

Foundations: Social & Behavioral Sciences

3 hr

Foundations: Race, Ethnic and Gender Diversity

3 hr

Theme: Citizenship for a Diverse & Just World ^^

4-6 hr

Theme: Student Choice ^^ *

4-6 hr

General Education Reflection

Embedded into Major Capstone Degree Requirement

0 hr

^^ Theme Credit Hours

Themes may completed by (one) 4 credit hour course or (two) 3 credit hour courses. We recommend one 4 credit hour course for degree planning purposes.

* Theme: Student Choice

Courses in *Health & Wellness Theme* can overlap with Career Elective

Student Choice options will be updated on an ongoing basis. For the most up-to-date listing of Theme options, please see the Undergraduate Education website on the New General Education requirements: <https://ugeducation.osu.edu/general-education-information-students>

Approved general education courses for each category can be found in the following places:

- classes.osu.edu
- [Schedule Planner](#)
- [Search for Classes](#)

(filter by *Term*, *Campus*, *Class Attribute* “General Education – New”, and *Class Attribute Value* “GEN Foundation” or “GEN Theme”)