

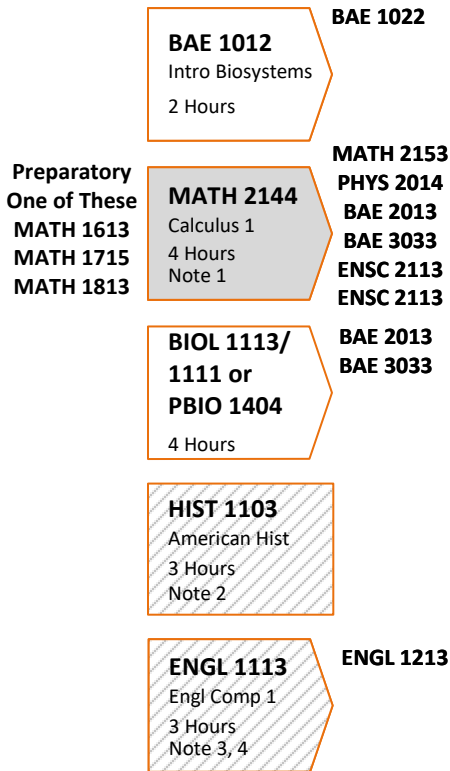


BIOSYSTEMS ENGINEERING GENERAL OPTION

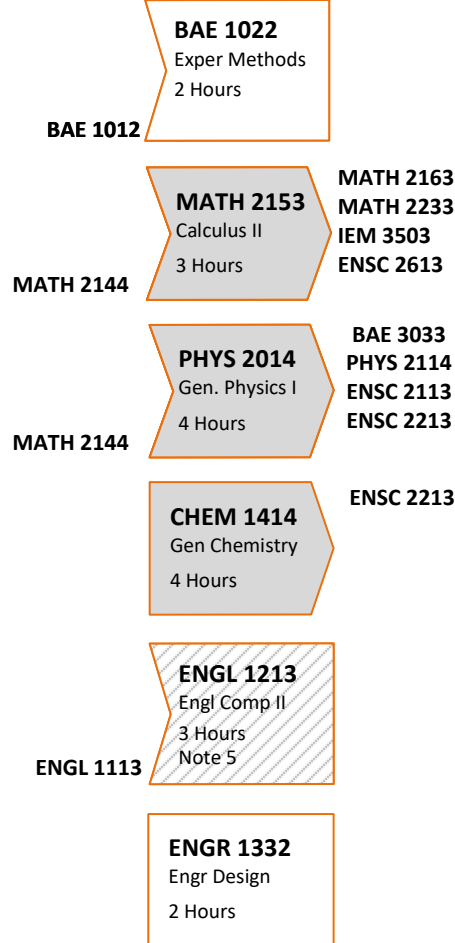
Course Plan
2022-2023
121 Hours

Year 1

16 Credit Hours



18 Credit Hours



Patterned = General Education Course

Shaded = Course requires a grade of C or above

| Course No. | Subsequent Courses |
|-------------|--------------------|
| Course Name | |
| # of Hours | |
| See Note # | |

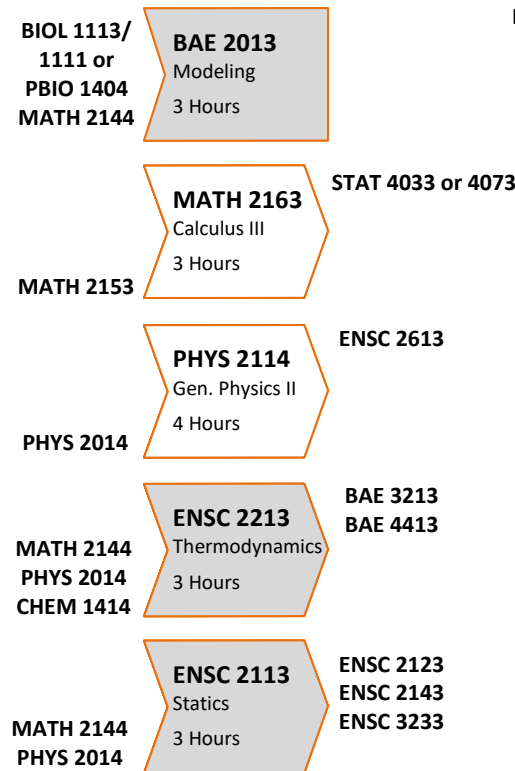
Prerequisites

Other Requirements:

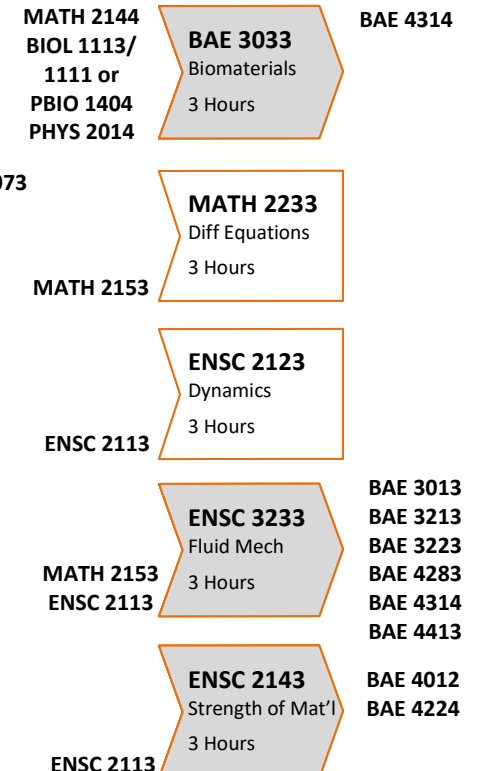
- A minimum 2.0 Technical GPA. The Technical GPA is calculated from all BAE prefixes or substitutions to BAE courses.
- Students are required to complete the Fundamentals of Engineering (FE) exam prior to graduation.
- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

Year 2

16 Credit Hours



15 Credit Hours



NOTES:

- 1) MATH 2144 needs to be preceded with a minimum score of 75 on the Math Placement Test or with MATH 1513 and MATH 1813, respectively.
- 2) HIST 1103 can be replaced with HIST 1483 (H) or HIST 1493 (DH)
- 3) See Academic Regulation 3.5 (<http://catalog.okstate.edu/university-academic-regulations/#english-composition>)
- 4) ENGL 1113 can be replaced with ENGL 1313 Critical Analysis and Writing I.
- 5) ENGL 1213 can be replaced with ENGL 1413 or ENGL 3323.
- 6) At least 6 hours designated "H", 3 hours designated "S", and 3 hours designated "H", "S", "A" or "N" (A total of 12 hours). Of these, 3 hours need to meet the International Dimension "I" and 3 hours need to meet the Diversity Component "D".
- 7) BAE 4001 and BAE 4012 are to be taken concurrently



BIOSYSTEMS ENGINEERING GENERAL OPTION

Course Plan
2022-2023
121 Hours

Year 3

Year 4

15 Credit Hours

15 Credit Hours

14 Credit Hours

12 Credit Hours

Completion or Concurrent Enrollment ENSC 2613 ENSC 3233 SOIL 2124

"H", "I", "D" Course
3 Hours
Note 6

BAE 3223
AG & Off Road
3 Hours

ENSC 2613
Intro Elec Sci
3 Hours

POLS 1113
American Gov't
3 Hours

STAT 4033 or STAT 4073
Engr Statistics
3 Hours

**MATH 2233
ENSC 3233**

BAE 3013
Heat/Mass Trans
3 Hours

**MATH 2233
ENSC 2613**

BAE 3023
Inst. & Ctrls
3 Hours

**ENSC 2213
ENSC 2613
ENSC 3233**

BAE 3213
Energy & Power
3 Hours

"A", "H", "N", or "S" Course
3 Hours
Note 6

"H", "I", "D" Course
3 Hours
Note 6

**BAE 4012
BAE 4283
BAE 4413**

BAE 4012

BAE 4012

Completion or Concurrent Enrollment ENSC 2143 BAE 3013 BAE 3023 BAE 3213 BAE 4001

BAE 4001
Prof. Practice
1 Hour

BAE 4012
Engr. Design I
2 Hours

BAE 4224
Machinery
4 Hours

BAE 4314
Hydrology
4 Hours

IEM 3503
Engr Econ
3 Hours

BAE 4023

BAE 4023

ENSC 2143

**BAE 3033
ENSC 3233
STAT 4073**

MATH 2153

**BAE 3013
ENSC 3233
ENSC 2213**

**BAE 4001
BAE 4012**

**BAE 3013
ENSC 3233**

BAE 4413
Food Engineering
3 Hours

BAE 4023
Engr. Design II
3 Hours

BAE 4283
Bioprocessing
3 Hours

"S", "I", "D" Course
3 Hours
Note 6

Master's Programs:

Criteria for admission to the Graduate College to pursue the Master of Science include:

1. Receive a B.S. degree from an accredited institution
 2. Academic performance in undergraduate work at a level that indicates a high probability of success in a graduate program requiring a 3.0/4.0 minimum grade point average
- Or further information, contact the School or the Office of the Dean of Engineering.

A flexible study plan is designed to meet each student's individual goals.

Patterned = General Education Course

Shaded = Course requires a grade of C or above

Prerequisites

Course No.
Course Name
of Hours
See Note #

Subsequent Courses

Additional State/OSU Requirements:

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; one fourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2027.