



BIOSYSTEMS ENGINEERING

MACHINE SYSTEMS & AGRICULTURAL ENGINEERING OPTION

Course Plan
2023-2024
124 Hours

Year 1

Year 2

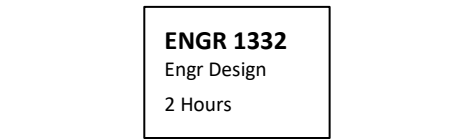
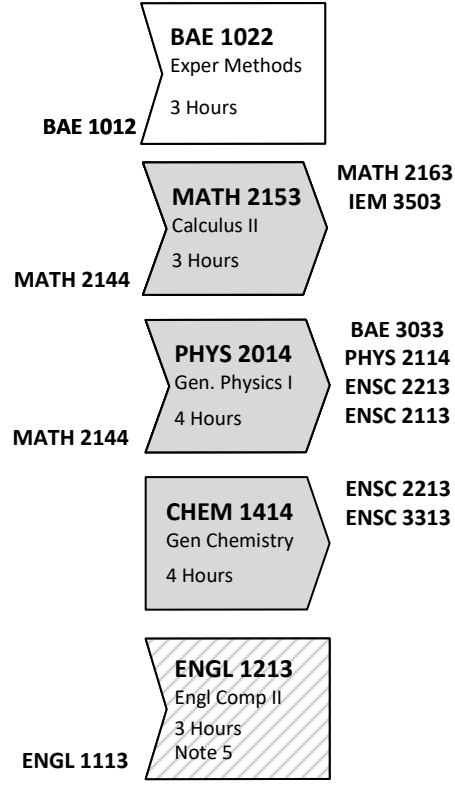
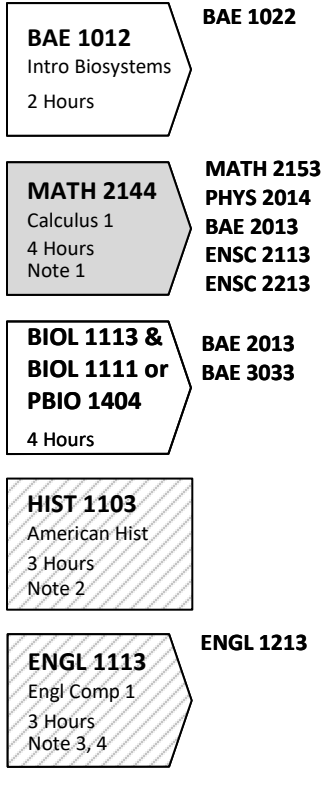
16 Credit Hours

18 Credit Hours

16 Credit Hours

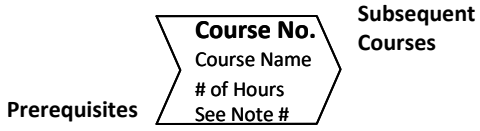
18 Credit Hours

Preparatory
One of
these
MATH 1613
MATH 1715
MATH 1813

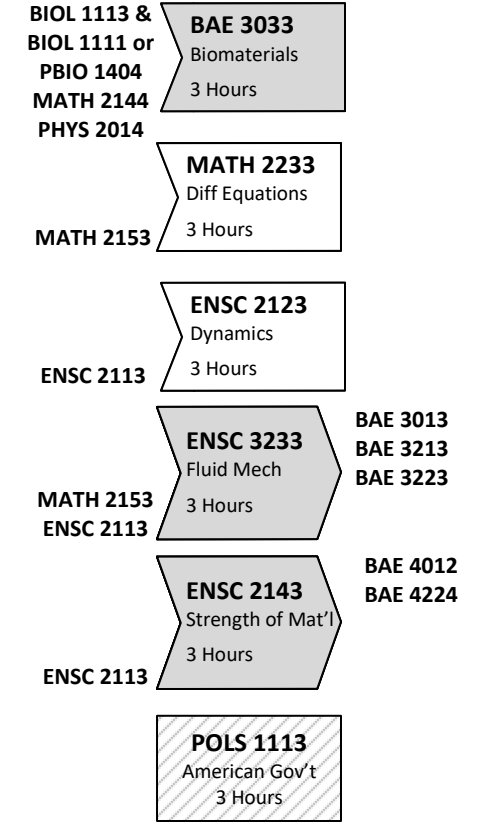
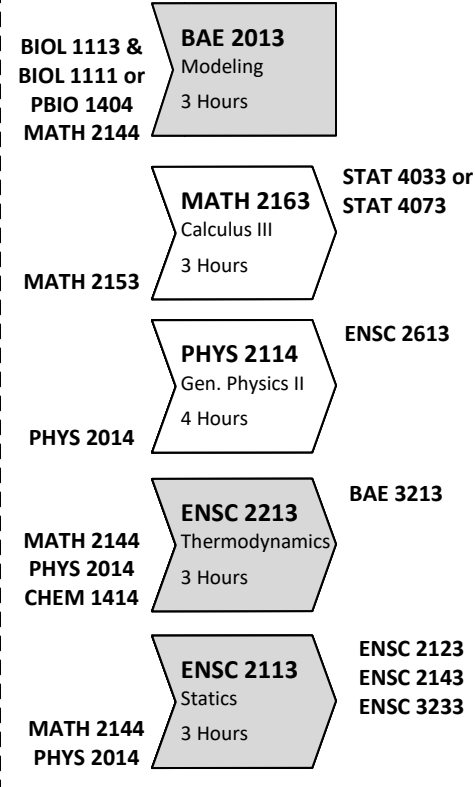


Patterned = General Education Course

Shaded = Course requires a grade of C or above



- 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.



- 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



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Course Plan
2023-2024
124 Hours

Year 3

Year 4

16 Credit Hours

15 Credit Hours

13 Credit Hours

12 Credit Hours

Completion or Concurrent Enrollment
ENSC 2613
ENSC 3233
SOIL 2124

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

BAE 3223
Ag & Off Road
3 Hours

ENSC 2613
Intro Elec. Sci
3 Hours

BAE 3023
BAE 3213

MATH 2153
PHYS 2114

SOIL 2124
Soil Science
4 Hours

CHEM 1414

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

MATH 2233
ENSC 3233

BAE 3013
Heat/Mass Trans
3 Hours

BAE 4012

MATH 2233
ENSC 2613

BAE 3023
Inst. & Ctrls
3 Hours

BAE 4012

ENSC 2213
ENSC 2613
ENSC 3233

BAE 3213
Energy & Power
3 Hours

BAE 4012

CHEM 1414

ENSC 3313
Mat'l Science
3 Hours

BAE 4012

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

BAE 4012

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

BAE 4001
Prof. Practice
1 Hour

BAE 4023

BAE 4012
Engr. Design I
2 Hours

BAE 4023

ENSC 2143

BAE 4224
Machinery
4 Hours

MATH 2163

STAT 4033 or
STAT 4073
Engr Statistics
3 Hours

MATH 2153

IEM 3503
Engr Econ
3 Hours

ENGR OR SCI
ELECTIVE
3 Hours

BAE 4023
Engr. Design II
3 Hours

BAE 4001
BAE 4012

ENGR OR SCI
ELECTIVE
3 Hours

"S", "I", "D"
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.

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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 2029.