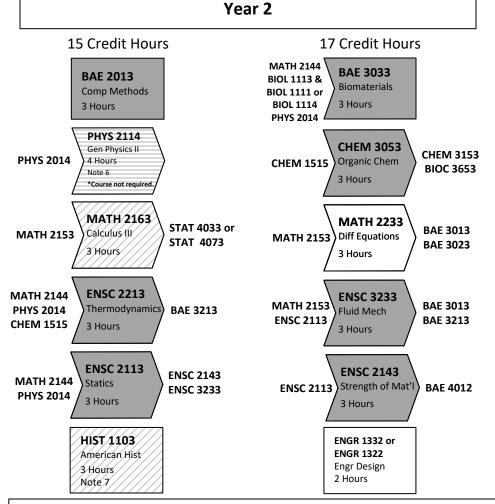


## BIOSYSTEMS ENGINEERING PRE-MED OPTION

<u>Course Plan</u> 2024-2025 125 Hours

## Year 1 17 Credit Hours 17 Credit Hours **BAE 1011 BAE 1022** Intro to **Exper Methods Biosystems** 2 Hours 1 Hour **ENSC 2113 PHYS 2014** UNIV 1111 **ENSC 2213** Gen Physics I First Yr. Seminar **MATH 2144 BAE 3033** 1 Hour 4 Hours Prerequisites: **MATH 2153 MATH 2163** C or better in **MATH 2144 PHYS 2014 MATH 2233** one of the **MATH 2153** Calculus 1 following-**BAE 3033** IEM 3503 Calculus II **MATH 2144 MATH 1613** 4 Hours **ENSC 2113 ENSC 2613 MATH 1715** Note 1 3 Hours **ENSC 2213 MATH 1813 ENSC 3233 BIOL 1113 & BAE 3033 ENSC 2213 CHEM 1515 BIOL 1111 or MICR 2123 CHEM 3053 BIOL 1114** Chemistry II **CHEM 1314 BIOL 1604 MICR 2123** 4 Hours 5 Hours **MICR 3033 CHEM 1314** ENGL 1213 Chemistry I **CHEM 1314** Engl Comp II **ENGL 1113** 4 Hours 3 Hours Note 5 ENGL 1113 Engl Comp 1 **ENGL 1213** 3 Hours Note 2, 3



## 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.

Patterned = General Education Course

Shaded = Course requires a grade of C or above

Subsequent

Courses

Course No.
Course Name
# of Hours
See Note #

NOTES: (F)-offered in Fall, (SP)-offered in Spring

- 1) The prerequisite for MATH 2144 is to score a minimum of 75 on the Math Placement Test or by earning a minimum grade of "C" in MATH 1813 or MATH 1715 or MATH 1613.
- 2) See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/ #english-composition).
- 3) ENGL 1113 can be replaced with ENGL 1313 (F) (Critical Analysis and Writing I).
- 5) ENGL 1213 can be replaced with ENGL 1413 or ENGL 3323.
- 6) The PHYS 2114 course or PHYS 1214 (for Pre-Vet Option) course is no longer required to graduate with a Biosystems Engineering Degree in the Pre-Medical Option, but it is strongly encouraged to take this course if considering applying to medical/veterinary school. Please consult your Pre-Health advisor.
- 7) HIST 1103 can be replaced with HIST 1483 (H) or HIST 1493 (DH).
- 8) At least 6 hours designated "H," 3 hours designated "S," and 3 hours designated "A," "H," "N" or "S" for a total of 12 hours. Additionally, at least one "D" course and at least one "I" course must be completed.
- 9) BAE 4001 and BAE 4012 are to be taken concurrently.



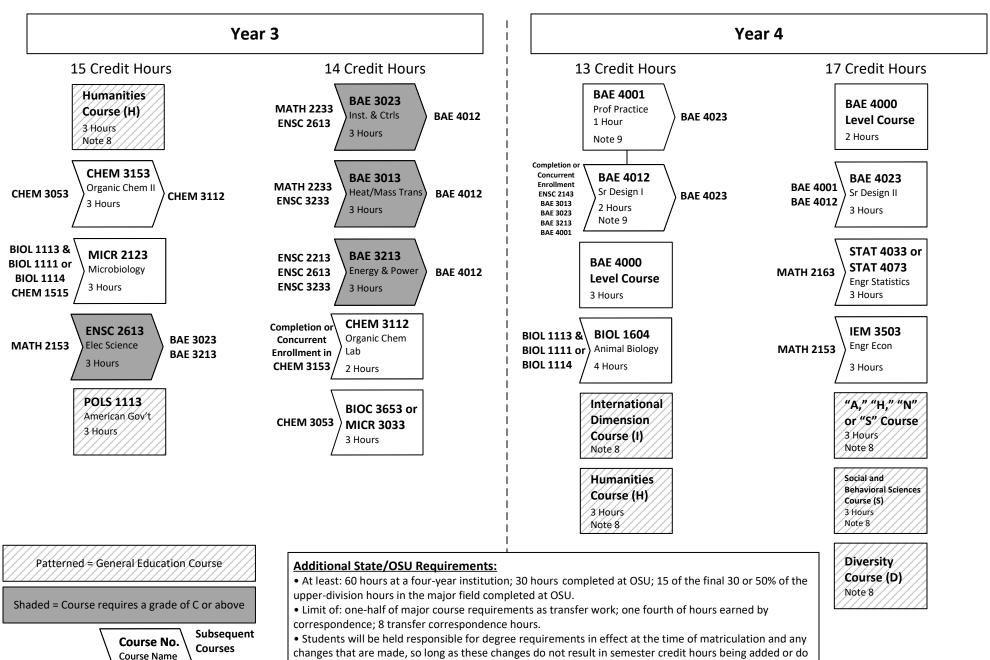
# of Hours

See Note #

**Prerequisites** 

## BIOSYSTEMS ENGINEERING PRE-MED OPTION

<u>Course Plan</u> 2024-2025 125 Hours



• Degrees that follow this plan must be completed by the end of Summer 2030.

not delay graduation.