

100 grade points must be earned in courses

• A 2.00 GPA or higher in upper-division hours.

numbered 3000 or above.

BIOSYSTEMS ENGINEERING MACHINE SYSTEMS & AGRICULTURAL ENGINEERING OPTION

Course Plan 2022-2023 124 Hours

BAE 3013

BAE 3213

BAE 3223

BAE 4012

BAE 4224

"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

Year 1 Year 2 16 Credit Hours 18 Credit Hours 16 Credit Hours 18 Credit Hours **MATH 2144 BAE 1022 BAE 3033 BIOL 1113/ BIOL 1113/ BAE 1022 BAE 2013 BAE 1012 Biomaterials** 1111 or 1111 or **Exper Methods** Modeling Intro Biosystems **PBIO 1404 PBIO 1404** 3 Hours 3 Hours 2 Hours 3 Hours **PHYS 2014 MATH 2144 BAE 1012** Preporatory **MATH 2233** One of **MATH 2153 MATH 2163 STAT 4033 MATH 2144 Diff Equations MATH 2153 PHYS 2014 MATH 2163** these IEM 3503 or 4073 Calculus 1 Calculus II **BAE 2013 MATH 1613** Calculus III 3 Hours **MATH 2153** 4 Hours **ENSC 2113 MATH 1715** 3 Hours 3 Hours Note 1 **MATH 2144 MATH 2153 ENSC 2213 MATH 1813 ENSC 2123 BAE 3033 ENSC 2613 Dynamics BIOL 1113/ BAE 2013 PHYS 2014 PHYS 2114 PHYS 2114** 1111 or 3 Hours **BAE 3033 ENSC 2113** Gen. Physics I Gen. Physics II **ENSC 2213 PBIO 1404 ENSC 2113** 4 Hours 4 Hours **PHYS 2014 MATH 2144 ENSC 3233** 4 Hours Fluid Mech ENSC 2213 **BAE 3213 MATH 2153** HIST 1103 3 Hours **ENSC 2213 CHEM 1414** ENSC 3313 **ENSC 2113** American Hist Gen Chemistry **MATH 2144** Thermodynamics 3 Hours **PHYS 2014** 3 Hours 4 Hours Note 2 **ENSC 2143 CHEM 1414** Strength of Mat'l **ENGL 1213 ENSC 2123** 3 Hours **ENGL 1213** ENGL 1113 **ENSC 2113 ENSC 2143 ENSC 2113** Engl Comp II Engl Comp 1 Statics **ENSC 3233** 3 Hours 3 Hours **MATH 2144** 3 Hours POLS 1113 Note 3, 4 Note 5 **PHYS 2014 ENGL 1113** American Gov't 3 Hours **ENGR 1332** Engr Design **NOTES:** 2 Hours 1) MATH 2144 needs to be preceded with a minimum score of 75 on the Math Placement Test or Other Requirements: with MATH 1513 and MATH 1813, respectively. • A minimum 2.0 Technical GPA. The Technical 2) HIST 1103 can be replaced with HIST 1483 (H) or HIST 1493 (DH) Patterned = General Education Course GPA is calculated from all BAE prefixes or 3) See Academic Regulation 3.5 (http://catalog.okstate.edu/university-academic-regulations/ substitutions to BAE courses. #english-composition) • Students are required to complete the Shaded = Course requires a grade of C or 4) ENGL 1113 can be replaced with ENGL 1313 Critical Analysis and Writing I. Fundamentals of Engineering (FE) exam prior 5) ENGL 1213 can be replaced with ENGL 1413 or ENGL 3323. above to graduation. 6) At least 6 hours designated "H", 3 hours designated "S", and 3 hours designated "H", "S", "A" or • A minimum of 40 semester credit hours and Subsequent

Course No.

Course Name

of Hours

See Note #

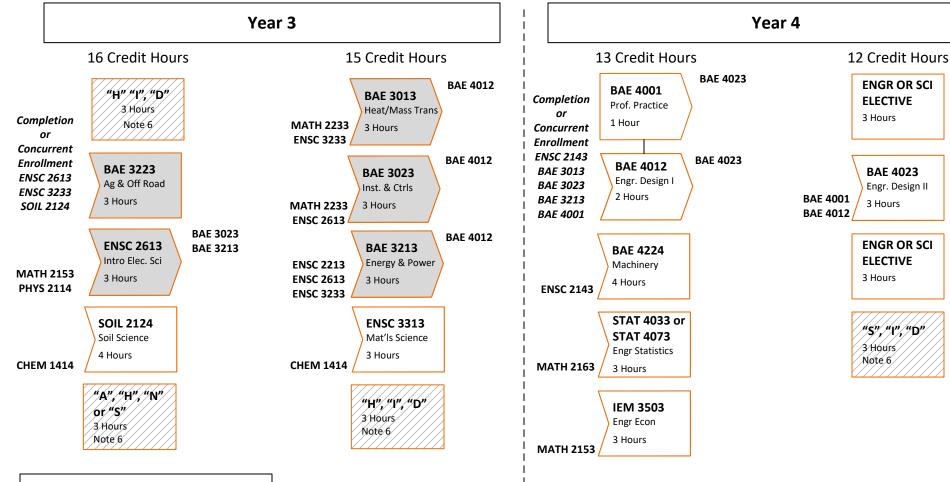
Prerequisites

Courses



BIOSYSTEMS ENGINEERING MACHINE SYSTEMS & AGRICULTURAL ENGINEERING OPTION

<u>Course Plan</u> 2022-2023 124 Hours



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
- Academic performance in undergraduate work at a level that indicates a high probability of success in a graduate program requiring a 3.0/
 minimum grade point average
 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

See Note #

Prerequisites

Course No.
Course Name
of Hours

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.