BIOSYSTEMS ENGINEERING
GENERAL OPTION

Year 1

16 Credit Hours

BAE 1012 Intro Bionet Systems 2 Hours

MATH 2144 Calculus 1 4 Hours Note 1

BAE 1022 Exp Methods 2 Hours

BAE 1012

MATH 2153 Calculus II 3 Hours

PHYS 2014 Gen. Physics I 4 Hours

MATH 2144

CHEM 1414 Gen Chemisty 4 Hours

ENGL 1113 Engl Comp I 3 Hours Note 3, 4

BAE 1012

ENGL 1213 Engl Comp II 3 Hours Note 5

ENGL 1113

ENGR 1332 Engr Design 2 Hours

Preparatory
One of these:
MATH 1613
MATH 1715
MATH 1813

BIOL 1114 or PBIO 1404 4 Hours

HIST 1103 American Hist 3 Hours Note 2

ENGL 1213

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

BAE 2013 Modeling 3 Hours

MATH 2144

BIOL 1114 Modeling 3 Hours

MATH 2153 Calculus III 3 Hours

MATH 2144

MATH 2144

PHYS 2014 Gen. Physics II 4 Hours

PHYS 2014

ENSC 2113 Thermodynamics 3 Hours

ENSC 2113

MATH 2144

ENSC 2113 Statics 3 Hours

ENSC 2143

ENSC 2113 Strength of Mat’l 3 Hours

BAE 4012 or BAE 4224

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 2233 can be replaced with ENGL 1413 or ENGL 3323.
6) At least 6 hours designated “H”, 3 hours designated “S”, and 3 hours designated “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

Course Plan 2021-2022
121 Hours
POLS 1113
American Gov’t
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.

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.