BIOSYSTEMS ENGINEERING
Pre-Med OPTION
125 Semester Hours
2020-2021

Preparatory Courses

Year 1

BAE 1012
Intro Biosystems
Grade Sem

MATH 2144
Calculus I
Grade Sem

BIOL 1114
Intro Biology
Grade Sem

HIST 1103
American Hist
Grade Sem

ENGL 1113
Engl Comp I
Grade Sem

Year 2

BAE 1022
Expier Methods
Grade Sem

MATH 2153
Calculus II
Grade Sem

PHYS 2014
General Physics
Grade Sem

CHEM 1515
GenChemistry
Grade Sem

ENGL 1213
Engl Comp II
Grade Sem

BAE 2013
Modeling
Grade Sem

MATH 2163
Calculus III
Grade Sem

PHYS 2114
General Physics
Grade Sem

ENSC 2113
Statics
Grade Sem

MATH 2233
Diff Equations
Grade Sem

PHYS 2114
General Physics
Grade Sem

ENSC 2613
Elec. Science
Grade Sem

MATH 3033
Biomaterials
Grade Sem

ENSC 3233
Fluid Mech
Grade Sem

ENSC 2213
Thermodynamics
Grade Sem

ENSC 2333
Fluid Mech
Grade Sem

POLS 1113
American Gov’t
Grade Sem

Horizontal arrows indicate prerequisites.

Graduation Requirements for the Biosystems Engineering Degree

Please refer to the OSU Catalog corresponding to your matriculation date for detailed requirements. The following is an overview of the minimum curricular requirements necessary to be completed for graduation.

• 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”.

• Minimum Technical GPA of 2.00. Technical GPA is calculated from all courses counting in the curriculum with a prefix belonging to the degree program, or substitution for these courses.

• An overall GPA of 2.00 or better at OSU.

• A grade of “C” or better required in the following courses: BAE 213, BAE 3013, BAE 3023, BAE 3033, BAE 3213, ENSC 2113, ENSC 2143, ENSC 2213, ENSC 2613, ENSC 3233.

• Completion of the Fundamentals of Engineering Examination.

REQUIRED: 40 HOURS OF UPPER DIVISION COURSE WORK

NOTE: This flow chart is for planning purposes only. Students matriculating in AY2020 must meet the degree requirements as stated on the official degree requirement sheet dated “Academic Year 2020-2021”
BIOSYSTEMS ENGINEERING
(Pre-Med OPTION)

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.

For 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.