BIOSYSTEMS ENGINEERING
ENVIRONMENT & NATURAL RESOURCES OPTION
128 Semester Hours
2017-2018

Preparatory Courses

MATH 0123
Int Algebra
Grade Sem

MATH 1715
Coll Alg & Trig
Grade Sem

MATH 1513
Coll Algebra
Grade Sem

MATH 1613
Trigonometry
Grade Sem

BAE 1012
Intro Biosystems
Grade Sem

MATH 2144
Calculus I
Grade Sem

CHEM 1114
Intro Biology
Grade Sem

HIST 1103
American Hist
Grade Sem

MATH 2153
Calculus II
Grade Sem

CHEM 1414
Gen Chemistry
Grade Sem

HIST 1103
American Hist
Grade Sem

MATH 2163
Calculus III
Grade Sem

PHYS 2114
General Physics
Grade Sem

HIST 1103
American Hist
Grade Sem

MATH 2233
Diff Equations
Grade Sem

PHYS 2114
General Physics
Grade Sem

HIST 1103
American Hist
Grade Sem

ENGL 1113
Eng Comp I
Grade Sem

PHYS 2114
General Physics
Grade Sem

ENGL 1213
Eng Comp II
Grade Sem

ENSC 2113
Statics
Grade Sem

ENGR 1322
Engr Design
Grade Sem

ENSC 2213
Thermodynamics
Grade Sem

POLS 1113
American Gov’t
Grade Sem

Shaded Areas Indicate Common Engineering Curriculum Requirements.

1. At least 6 hours designated “H”, 3 hours designated “S”, and 3 hours designated “A” or “N”, and 3 hours designated “H”, “S”, “A” or “N”. For a total of 15 hours. Of these, 3 hours need to meet the International Dimension “I” and 3 hours need to meet the Diversity Component “D”.

Horizontal arrows indicate prerequisites.

Admission Requirements for the Biosystems Engineering Professional School.

Admission to Professional School is required to take the upper level BAE courses. Please refer to the OSU Catalog corresponding to your matriculation date for detailed admission requirements. The following is an overview of the minimum curricular requirements necessary to be considered for admission to the BAE Professional School:

• Completion of at least 60 college level semester credit hours (SCH).
• Completion of at least 12 SCH from OSU.
• Completion of MATH 2144, 2153, and 2163; PHYS 2114 and 2114; CHEM 1414; BIOL 1114; ENSC 2113, ENSC 3233, plus two additional ENSC courses; ENGL 1113; BAE 213 and 2023.
• An overall GPA of 2.5 or better at OSU.
• A grade of “C” or better and a GPA of 2.5 or better is required in all math, science, and engineering courses used to satisfy a requirement in the BAE degree plan prior to admission to professional school.

NOTE: This flow chart is for planning purposes only. Students matriculating in AY2017 must meet the degree requirements as stated on the official degree requirement sheet dated “Academic Year 2017-2018.”
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.

3. recommended for admission to the Graduate College by a Professional School in the College of Engineering.

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.

2. 11 hours of courses to be selected from an approved list upon consultation with an advisor, with at least 6 hours from Engineering electives. Up to 3 credit hours from an engineering study abroad is allowed. MINIMUM OF 40 HOURS UPPER DIVISION COURSE WORK IS REQUIRED

- A “C” or better is required in each course that is a prerequisite for a major course
- REQUIRED: MINIMUM OF 40 HOURS UPPER DIVISION COURSE WORK.