BIOSYSTEMS ENGINEERING
BIOPROCESSING & FOOD PROCESSING OPTION
133 Semester Hours
2016-2017

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

Year 1

BAE 1012  Intro Biosystems  Grade  Sem
BAE 1022  Exper Methods  Grade  Sem
MATH 2144  Calculus I  Grade  Sem
PHYS 2014  General Physics  Grade  Sem
CHEM 1414  Gen Chemistry  Grade  Sem
ENGL 1113  Engl Comp I  Grade  Sem
ENGL 1213  Engl Comp II  Grade  Sem
HIST 1103  American Hist  Grade  Sem

Year 2

BAE 2013  Modeling  Grade  Sem
BAE 2023  Phys Properties  Grade  Sem
MATH 2153  Calculus II  Grade  Sem
PHYS 2114  General Physics  Grade  Sem
ENS 2233  Thermodynamics  Grade  Sem
ENGL 1213  Engl Comp II  Grade  Sem
ENGR 1322  Engr Design  Grade  Sem
POLS 1113  American Gov’t  Grade  Sem

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 2014 and 2114; CHEM 1414; BIOL 1114; ENSC 2113, ENSC 3233, plus two additional ENSC courses; ENGL 1113; BAE 2013 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 AY2016 must meet the degree requirements as stated on the official degree requirement sheet dated “Academic Year 2016-2017.”

1. At least 6 hours designated “H”, 3 hours designated “S”, and 3 hours designated “A”, “H”, “N” or “S”. 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.
Shaded Areas Indicate Common Engineering Curriculum Requirements.
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.

* A “C” or better is required in each course that is a prerequisite for a major course.

2. 11 hours of courses to be selected from an approved list upon consultation with the advisor, with at least 3 hours from engineering electives. Up to 3 credit hours from an engineering study abroad is allowed. Note: a minimum of 4 elective hours must be upper division.