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 3033.
- An overall GPA of 2.7 or better at OSU.
- A grade of “C” or better and a GPA of 2.7 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 AY2019 must meet the degree requirements as stated on the official degree requirement sheet dated “Academic Year 2019-2020.”

1. At least 6 hours designated “H”, 3 hours designated “S”, and 3 hours designated “H”, “S”, “A” or “N”. For 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”.

Horizontal arrows indicate prerequisites.
Shaded Areas Indicate Common Engineering Curriculum Requirements.

BIOSYSTEMS ENGINEERING

Name: ____________________________
Advisor: __________________________

Preparatory Courses

Year 1

BAE 1012
Intro Biosystems
Grade Sem

Math 1513
College Algebra
Grade Sem

Year 2

BAE 2013
Modeling
Grade Sem

MATH 1813
Prep Calc I
Grade Sem

MATH 2144
Calculus I
Grade Sem

MATH 2153
Calculus II
Grade Sem

MATH 1644
Prep Calc II
Grade Sem

MATH 2163
Calculus III
Grade Sem

MATH 2153
Calculus II
Grade Sem

PHYS 2014
General Physics
Grade Sem

PHYS 2114
General Physics
Grade Sem

PHYS 2114
General Physics
Grade Sem

MATH 2123
Diff Equations
Grade Sem

MATH 2144
Calculus I
Grade Sem

MATH 2163
Calculus III
Grade Sem

MATH 2223
Diff Equations
Grade Sem

MATH 2163
Calculus III
Grade Sem

PHYS 2114
General Physics
Grade Sem

ENSC 2123
Dynamics
Grade Sem

ENSC 2123
Dynamics
Grade Sem

ENSC 2143
Strengths of Mat’l
Grade Sem

ENSC 2143
Strengths of Mat’l
Grade Sem

ENSC 2143
Strengths of Mat’l
Grade Sem

ENSC 3233
Fluid Mech
Grade Sem

ENSC 3233
Fluid Mech
Grade Sem

ENSC 3233
Fluid Mech
Grade Sem

ENSL 1113
Engl Comp I
Grade Sem

ENSL 1213
Engl Comp II
Grade Sem

ENSL 1113
Engl Comp I
Grade Sem

ENSL 1213
Engl Comp II
Grade Sem

ENSL 1113
Engl Comp I
Grade Sem

ENSL 1213
Engl Comp II
Grade Sem

ENSL 1113
Engl Comp I
Grade Sem

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Grade Sem

ENSL 1213
Engl Comp II
Grade Sem

ENSL 1113
Engl Comp I
Grade Sem

ENSL 1213
Engl Comp II
Grade Sem
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.