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

- **CHEM 1414** Gen Chemistry
  - Grade: Sem

- **BAE 1012** Intro Biosystems
  - Grade: Sem

- **BAE 1022** Expert Methods
  - Grade: Sem

- **MATH 1022** Coll Alg & Trig
  - Grade: Sem

- **MATH 2144** Calculus I
  - Grade: Sem

- **BAE 1022** Coll Alg & Trig
  - Grade: Sem

- **PHYS 2014** General Physics
  - Grade: Sem

- **HIST 1103** American Hist
  - Grade: Sem

- **PHYS 2114** General Physics
  - Grade: Sem

- **ENGL 1113** Engl Comp I
  - Grade: Sem

- **BAE 2012** Eng Biol Sys
  - Grade: Sem

- **PHYS 2114** General Physics
  - Grade: Sem

- **ENGL 1213** Engl Comp II
  - Grade: Sem

- **MATH 2153** Calculus II
  - Grade: Sem

- **PHYS 2114** General Physics
  - Grade: Sem

- **MATH 2163** Calculus III
  - Grade: Sem

- **POLS 1113** American Gov’t
  - Grade: Sem

- **BAE 2023** Phys Properties
  - Grade: Sem

- **ENSC 2123** Dynamic
  - Grade: Sem

- **BAE 1022** Coll Alg & Trig
  - Grade: Sem

- **PHYS 2114** General Physics
  - Grade: Sem

- **BAE 1022** Coll Alg & Trig
  - Grade: Sem

- **ENSC 2133** Thermodynamics
  - Grade: Sem

- **BAE 1022** Coll Alg & Trig
  - Grade: Sem

- **ENSC 2143** Strength Mat’ls
  - Grade: Sem

- **ENGL 1213** Engl Comp II
  - Grade: Sem

- **BAE 1022** Coll Alg & Trig
  - Grade: Sem

- **ENSC 3233** Fluid Mech
  - Grade: Sem

- **POLS 1113** American Gov’t
  - Grade: Sem

- **ENGR 1412** Comp Prog
  - Grade: Sem

1. At least 6 hours designated “H” and 6 hours designated “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.

**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 213, ENSC 3233, plus two additional ENSC courses; ENGL 1113; BAE 2012 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 AY2012 must meet the degree requirements as stated on the official degree requirement sheet dated “Academic Year 2012-2013.”
**BIOSYSTEMS ENGINEERING**

**PROFESSIONAL SCHOOL OF BIOSYSTEMS ENGINEERING**

**(BIOMECHANICAL OPTION)**

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### Prerequisites

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<td>MATH 2153</td>
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### Year 4

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### Year 4

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<td>IEM 3503</td>
<td>Engr Econ</td>
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2. 15 hours of courses to be selected from an approved list upon consultation with the advisor, with at least six hours from engineering electives and at least three hours from biological science electives.

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### 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.

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