Bioengineering for Pre-Med Students
Catalog Year 2018-2019
129 credit hours
(Additional hours for Pre-Med)

This flow chart is for planning purposes only. Be sure to check current prerequisites as well as course availability, both of which are subject to change as the curriculum is continuously improved.

Pre College
MAT 1033 Intermediate Algebra (3)
EGS1008L Intro to the Engineering Prof. (1) [Fa, Su]
MAC 1105 College Algebra (3)
MAC 2311 Calculus I (4)
MAC 1147 Precalculus (4)
BSC 1010C Gen Biology w/Lab I (4)
MAC 1147 Precalculus (4)

FALL First year (15)
EGS1008L Intro to the Engineering Prof. (1) [Fa, Su]
MAC 1105 College Algebra (3)
MAC 2311 Calculus I (4)
PHY 2048C General Physics I (4) [Fa, Sp]
ENCE 1101 Composition I (3)
ENCE 1102 Composition II (3)

SPRING First year (16)
EGS1008L Intro to the Engineering Prof. (1) [Fa, Sp]
MAC 2311 Calculus I (4)
MAC 2312 Calculus II (4)
PHY 2049C General Physics II (4) [Fa, Sp]
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

SUMMER First Year (10)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]
SUMMER Second Year (7)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

FALL Second year (16)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]
PHA 2095C Basic Biochemistry (1)
MAC 2313 Calculus III (4)

SPRING Second year (13)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]
MAC 2313 Calculus III (4)

SUMMER Second Year (7)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

FALL Third year (16)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

SPRING Third year (15)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

SUMMER Third Year (10)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]
SUMMER Fourth Year (15)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

FALL Fourth year (14)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

SPRING Fourth Year (13)
EGN 3433C Design for Manufacturing (3)
EGN 3420C Engineering Mechanics I (4) [Fa, Sp]

Special Notes:
1. Please be aware that classes may only be offered once a year.
2. A - Fall, Sp - Spring, Su - Summer and no notation means the course may be offered all terms.
3. Unless otherwise stated, a minimum grade of C is required for all courses.
4. Students should be aware of prerequisites for chosen technical electives.
5. Students should be sure one of their social sciences or humanities is approved by the Academic Advisor.

The Technical Electives can include
BME 4504C - Bioelectricity OR
BME 4322C - Cell & Tissue Engineering, OR other appropriate courses as approved by the Academic Advisor. In consultation with the faculty, and together must total 6 credit hours. Please be sure to check prerequisites.