

BIOENGINEERING (MINOR)

Majors in Bioengineering (B.S.) are not eligible for the minor in Bioengineering.

Admission Requirements

- Students must meet with a college advisor/student success counselor to declare a minor and review the course requirements.

Program Progression and Additional Graduation Requirements

- A grade of C or higher is required in all courses for the minor.
- A minimum of 12 credits of the minor must be completed at FGCU.
- A minimum of 9 credits must be upper division (3000-4999 level) courses.
- Students desiring certification of a minor and designation on their academic transcript must:
 - Note the minor on the Application for Graduation.
 - Contact a college advisor/student success counselor to certify completion of all course requirements for the declared minor as listed below.

BME 3101C	Bio Performance of Materials	3
BME 4211C	Biomechanics	3
BME 4722	Health Care Engineering	3
BME 4800C	Bioengineering Product Design	3

Total Credits Required: 18

Program Requirements

Code	Title	Credits
Required Courses in the Minor		(18 credits)

Complete the following:		
MAP 2302	Differential Equations	3
Complete the following:		
BME 3403C	Human Physiology Engineers I	3
BME 3404C	Human Physiology Engineers II	3
PCB 3703C	Human Physiology	4
PCB 3723C	Comparative Animal Physiology	3

Restricted Electives in the Minor		(12 credits)
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Students are advised to complete one of the following sequences:

Students interested in Biomaterials and Biomechanics complete:

BME 3100C	Introduction to Biomaterials	3
BME 4211C	Biomechanics	3
EGM 3420C	Engineering Mechanics	4
EGN 3331C	Mechanics of Materials	3

Students interested in Biofluid Mechanics and Biotransport Phenomena complete:

BME 3261C	Biofluid Mechanics	3
BME 4632C	Biotransport Phenomena	3
EGM 3420C	Engineering Mechanics	4
EGN 3331C	Mechanics of Materials	3

Students interested in Bioengineering Applications in Electricity and Medical Instrumentation complete:

BME 4503C	Biomedical Instrumentation	3
BME 4504C	Bioelectricity	3
BME 3506C	Circuits for Bioengineers	3
BME 3507C	Signals Syst Bioengineers	3

Engineering majors interested Bioengineering Design and Product Development complete: