

# BACHELOR OF SCIENCE IN BIOMEDICAL ENGINEERING (BSBME)

## Total Credits Required for the BSBME: 186

Total credits required for the BSBME: 186

Code	Title	Credits
<b>Common Curriculum</b>		
	First-Year Seminar	4
	Writing and Rhetoric	8
	Analytical Inquiry: The Natural and Physical World	4
	Analytical Inquiry: Society and Culture	8
	Scientific Inquiry: The Natural and Physical World	12
	Scientific Inquiry: Society and Culture	8
	Advanced Seminar	4
Mathematics and basic science requirements		
MATH 1951	Calculus I	4
MATH 1952	Calculus II	4
MATH 1953	Calculus III	4
MATH 2070	Introduction to Differential Equations	4
MATH 2080	Calculus of Several Variables	4
BIOL 1010	Physiological Systems	4
BIOL 1020	Physiological Systems Lab	1
BIOL 1011	Evolution, Heredity and Biodiversity	4
BIOL 1021	Evolution, Heredity and Biodiversity Lab	1
BIOL 2120	Cell Structure and Function	4
BIOL 2121	Cell Structure & Function Lab	1
BIOL 3241	Anatomy and Physiology of the Skeletal, Nervous and Muscular systems	0-5
BIOL 3242	Human Anatomy and Physiology - Systems of homeostasis	0-5
CHEM 1010 & CHEM 1240	General Chemistry I and General Chemistry I Laboratory	4
PHYS 1211	University Physics I	5
PHYS 1212	University Physics II	5
PHYS 1214	University Physics III for Engineers	4
<b>Major Requirements</b>		
	Engineering curricula <sup>1</sup>	68-71
<b>Electives</b>		
	Engineering Electives	8
	Sciences Electives	8
	Health Sciences	4
<b>Minor</b>		
A minor is not required for the degree but may be completed if desired.		
	Total Hours	186

<sup>1</sup> Students in the Pre-Med Track will waive a course from the Engineering Core.

## Major and Minor Requirements

- The GPA in the major and the minor must be at least 2.0 with the exception of the bachelor of science in accounting which requires a GPA of at least 2.5.
- Credits in the major and the minor must be earned at the level of "C-" or better.

- At least 50 percent of the required credits for the major and the minor must be completed at the University of Denver.

## **Upper Division Requirement**

- Of the total credits required for the degree, at least 75 must be upper-division courses at the 2000- or 3000-level.

## **Degree GPA requirement**

- Students must earn a minimum GPA of 2.0 with the exception of the bachelor of science in accounting which requires a minimum GPA of 2.5.

## **Residence Requirement**

- The last 45 credits earned prior to granting a degree must be completed at the University of Denver apart from approved study abroad participation.