



5-Year BS/MS Academic Plan

The BME Program offers a 5-Year BS and MS Academic Plan to BME undergraduate students with a GPA ≥ 3.0 . The 5-Year Academic Plan of Study is shown on reverse.

Students interested in this Plan should:

- Discuss their intention to follow the 5-Year Academic Plan with the student's Academic Advisor.
- Enroll in one graduate course during the Fall of the senior year & one graduate course in the Spring of the senior year. If accepted into the BME Graduate Program, credits for the two graduate courses will be transferred & applied to the student's Graduate Degree Program¹.
- Complete an online graduate application to the MS BME program with a start date the beginning of the 9th semester. Contact Harley Erickson in the BME Main Office for graduate application deadlines & requirements. The address for the UConn Graduate School application website is:
<http://www.bme.uconn.edu/academics/graduate-program/application-procedure>
There is an online application fee of \$75.00.
- In addition to completing the online graduate application, applicants must submit a Statement of Purpose, transcripts, & two Letters of Recommendation.
- Students need a total of 24 graduate credits (8 courses) & will graduate at the end of the 10th semester with a Plan B BME MS degree. A thesis is not required. ***Note that all full-time BME MS students are required to take at least two semesters of the Graduate Seminar.

For more information, contact Lisa Ephraim at lisae@engr.uconn.edu, or Harley Erickson at harley@engr.uconn.edu.

¹ A grade of B or higher is required in order to transfer the course to the Graduate degree.

FRESHMAN (31)	FIVE-YEAR BACHELOR OF SCIENCE & MASTER OF SCIENCE (PLAN B) IN BME		Credits
FRESHMAN (31)	CHEM 1127Q - General Chemistry		4
	MATH 1131Q - Calculus I		4
	CSE 1010 - Introduction to Computing for Engineers		3
	ENGL 1010 or 1011 - Seminar in Academic Writing or Seminar in Writing Through Literature		4
	ENGR 1000 - Orientation to Engineering		1
	CHEM 1128Q - General Chemistry		4
	MATH 1132Q - Calculus II		4
	BIOL 1107 - Principles of Biology		4
	ENGR 1166 - Foundations of Engineering for BMEs		3
SOPHOMORE (32)	PHYS 1501Q - Physics for Engineers I		4
	MATH 2110Q - Multivariable Calculus		4
	BME 2101 - Introduction to Biomedical Engineering		3
	CE 2110 - Applied Mechanics		3
	Content Area 1 (Arts & Humanities; not in PHIL)		3
	PHYS 1502Q - Physics for Engineers II		4
	BME 3120 - LabVIEW Basics for Biomedical Engineers		1
	ECE 2001 - Electrical Circuits		4
	MSE 2101 - Material Science & Engineering I		3
JUNIOR (37)	MATH 2410Q - Elementary Differential Equations		3
	BME 3600W - Biomechanics		4
	PNB 2264 - Human Physiology and Anatomy		4
	ECE 3101 - Signals & Systems		3
	BME 3500 - Biomedical Engineering Measurements		4
	Content Area 2 (Social Sciences)		3
	BME 3700 - Biomaterials		4
	Engineering Elective		3
	Engineering Elective		3
SENIOR (36)	CHEM 2443 - Organic Chemistry		3
	Biomedical Engineering Elective - Junior Design		3
	STAT 3025Q - Statistical Methods (Calculus Level)		3
	BME 4900 - Biomedical Engineering Design I		3
	Free Elective		3
	Biomedical Engineering Elective		3
	BME Graduate Course		3
	Content Area 4 (Diversity)		3
	Content Area 2 (Social Sciences; not same department as in Junior Year)		3
5th Year (20)	BME 4910 - Biomedical Engineering Design II		3
	PHIL 1104 - Philosophy & Social Ethics		3
	Biomedical Engineering Elective		3
	BME Graduate Course		3
	Engineering Elective		3
	Content Area 4 (Multiculturalism)		3
	Free Elective for Double Counting Content Areas 1 & 2 or 1 & 4		3
	BME Graduate Course		3
	BME Graduate Course		3
	BME Graduate Course		3
5th Year (20)	BME Graduate Seminar		1
	BME Graduate Course		3
	BME Graduate Course		3
	BME Graduate Course		3
	BME Graduate Seminar		1

Undergraduate curriculum based on 2015-2016 requirements; your curriculum may vary. Students must have a GPA ≥ 3.0 to enroll in the MS program.