BIOMEDICAL ENGINEERING STANDARD TRACK-FALL2025



Effective:Fall 2025

Biomedical Engineering Curriculum

Notable Course Substitutions for Industry

- APPM 1350: MATH 1300, APPM 1345
- APPM 1360: MATH 2300
- APPM 2350: MATH 2400
- APPM 2360: MATH 2130 and MATH 3430 (taken as a sequence)
- BMEN 1025: MCEN 1025, GEEN 1017 and BMEN 1035 ٠
- BMEN 4117: BMEN 5117, MCEN 4117 or 5117 .
- CHEM 1221: CHEM 1114, CHEM 1134
- CHEN 1201: CHEN 1211 (CHEM 1113 approved for transfer students)
- CHEN 1203: CHEN 1211 (CHEM 1133 approved for transfer students) ٠
- CHEN 1310: CSCI 1300 (CS Minors Only), (CSCI 1320, ASEN 1320 approved for transfer students)
- BIEN 2810: MCDB 1150, EBIO 1210 and 1220 (Taken as a sequence)
- CHEN 3010: STAT 4000 (CS Minors Only)
- MCEN 2023: CVEN 2121, GEEN 2851

Technical Electives

Industry/Graduate School Track requires a total of 24 credits of Technical Electives. Visit the program's Advising & Curriculum webpage for options.

Focus Electives

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Humanities & Social Science Electives

Humanities, Social Sciences, and Writing Requirements for options

Writing Requirement Options

- ENES 1010 (freshmen only), ENES 3100
- WRTG 3030, WRTG 3035
- PHYS 3050
- ENLP 3100 (previous success in an ENLP course highly recommended)

Grade Requirements

The minimum passing grade for a prerequisite or co-requisite course within the biomedical engineering curriculum is a C-. This requirement includes courses completed in another program or department (APPM, PHYS, etc.). The minimum passing grade for standalone classes is a D-. In addition, students need to have a cumulative and major GPA of at least 2.000 in order to graduate from the College of Engineering. Pass/Fail is only permitted for BMEN 1000 and Free Elective credits.

Common Biomedical Engineering Resources Pre-Med & Career Services

Clubs&Organizations



Biomedical Engineering Society



Society of Women Engineers



National Society of Black Engineers



Society of Asian Scientists & Engineers





Engineers Without Borders USA



Pre-Health Advising can help with:

- Understanding Medical ٠ School requirements
 - MCAT Preparations
- PA/MD/DO distinctions
- More!

Look for the pre-health icon in Buff Portal Advising



Career Services can help with:

- Resume/Cover Letters
- Using the Handshake Portal
- Interview skills
- More!

Meet with a Career Services Advisor

Look for the # Advising

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- icon in Buff Portal

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