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Undergraduate Curriculum 4-Year Course Map

First Year (16 + 18 credit hours)

Biological Science I BIOL 1361/1161	Chemistry I CHEM 1331/1111	Composition I ENGL 1303 or ENGL 1309	Calculus I MATH 1431
Chemistry II CHEM 1332/1112	Calculus II MATH 1432	Physics I PHYS 1321	Computers & Prob. Solving ENGI 1331

Second Year (16 + 15 credit hours)

Organic Chemistry I CHEM 3331/3221	Calculus III MATH 2433	Physics II PHYS 1322	Composition II ENGL 1304
Biochemistry BCHS 3304	Engineering Math MATH 3321	Biomedical Processes BIOE 2331	Circuit Analysis ECE 2201

Third Year (16 + 17 credit hours)

Intro to Mechanics MECE 3400	Technical Communication ENGI 2304	Engineering Statistics INDE 2333	US History I HIST 1377	US History II HIST 1378
Quantitative Physiology BIOE 3340/3140	Biothermodynamics BIOE 3341	Numerical Analysis BIOE 4302	BIOE Track Elective	

Fourth Year (15 + 15 credit hours)

Capstone Design I BIOE 4335	Bioinstrumentation BIOE 4315/4115	BIOE Track Elective	BIOE Track Elective
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Capstone Design II
BIOE 4336

Genomics/Proteomics Engineering
BIOE 4350/4150

BIOE Track Elective

BIOE Track Elective

Please select one of the following three track options:

- **Bionanoscience**
- **Neural, Cognitive, & Rehabilitation**
- **Biomedical Imaging**

Note: The curriculum is subject to change, students should contact their BME undergraduate advisor for the latest updates.

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