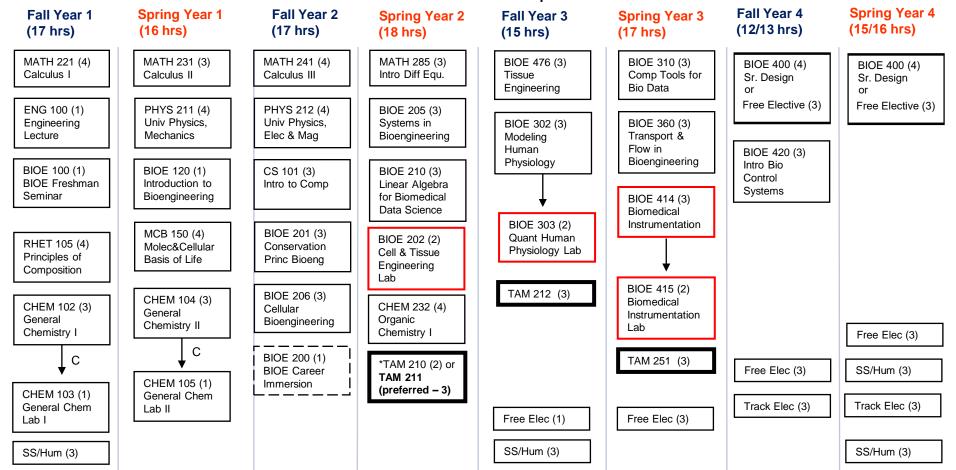
Biomechanics Track Curriculum Map



^{**} Note – not taking courses as advised may result in a delayed graduation date. Students are responsible for any impact resulting from not following departmental advising.

^{*}TAM 210 or TAM 211 can be taken in the 3rd or 4th semester, wherever it fits in, **if** you postpone to the 5th semester you risk not graduating on time due to pre-requisites.

^{**} If outlined in RED then the BIOE course is offered both Fall & Spring Semesters

^{**}Courses with dashed line borders are not currently required as part of the Core BIOE Curriculum

Biomechanics Track Electives

- BIOE 450 Quantitative Pharmacology (3 hr)
- BIOE 461 Cellular Biomechanics (4 hr)
- BIOE 498 NIE/ST1 Surgical Technologies (3 hr)
- BIOE 498 RI Regulatory Safety Issues in Bioengineering (3 hr)
- BIOE 498 HG Soft Robotics (3 hr)
- BIOE 498 MPM Disease Models for Personalized Medicine (3 hr)
- ME 330 Engineering Materials (4 hr) Contact MechSE Dept. Office
- ME 481 Whole-Body Musculoskel Biomech (3 hr) Contact MechSE Dept. Office
- ME 482 Musculoskel Tissue Mechanics (3 hr) Contact MechSE Dept. Office
- ME 483 Mechanobiology (4 hr)
- SE 402 Comp-Aided Product Realization (3 hr)
- SE 423 Mechatronics (3 hr)
- TAM 445 Continuum Mechanics (4 hr) Contact MechSE Dept. Office
- TMGT 461 TMD/TME Tech, Eng, & Mngmt Project (4 hr)

General Education Requirements

- □ 6 hours in Humanities
- ☐ 6 hours in Social/Behavioral Sciences
- □ 1 Advanced Composition Course
- 1 Western Comparative Cultures Course
- 1 Non-Western Comparative Cultures Course
- 1 US Minority Cultures Course
- Language Other Than English

• NE 420 - Neural Interface Engineering (3 hr)

PreMed Requirements

- Meet with The Career Center for Premed advising
- ☐ Common Courses (additional requirements may apply depending on school):
 - MCB 450/354 (BioChem)
 - ☐ CHEM 233 (Orgo 1 lab)
 - ☐ Social/Behavioral Science Sequence (2-3 courses)