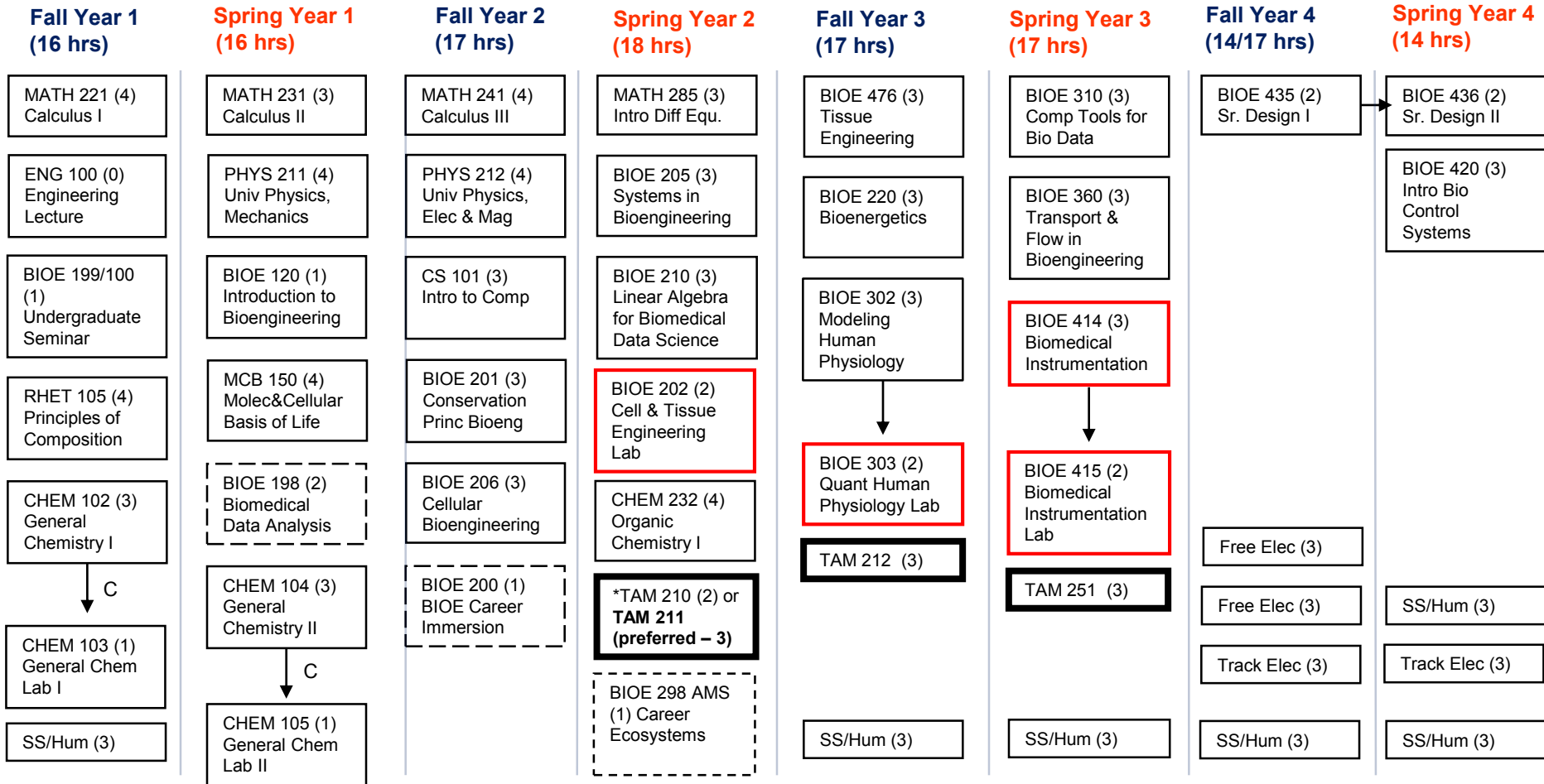


Biomechanics Track Curriculum Map



Biomechanics Track Electives:

- BIOE 461 – Cellular Biomechanics (4 hr)
- BIOE 498 NIE – Surgical Technologies (3 hr)

- BIOE 498 JI – Finite Element Methods in Biomed (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

NPRE 498 PRA – Advanced Risk Analysis (3 hr)
 TMGT 461 Sections TMD/TME –
 Tech, Eng, and Mngmt Final Projects (4 hr)

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

** 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.

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

Other Requirements

General Education Requirements

- 6 hours in Humanities
- 6 hours in Social/Behavioral Sciences
- 6 hours in Liberal Education
- 1 Advanced Composition Course
- 1 Western Comparative Cultures Course
- 1 Non-Western Comparative Cultures Course
- 1 US Minority Cultures Course (FA 2018 admits and beyond only)
- 3rd Level of a Foreign Language

Premed Requirements

- Meet with Engineering Career Services Premed advisor
- Common Courses *(additional requirements may apply depending on school)*:
 - MCB 450/354 (BioChem)
 - CHEM 233 (Orgo 1 lab)
 - Social/Behavioral Science Sequence (3 courses)