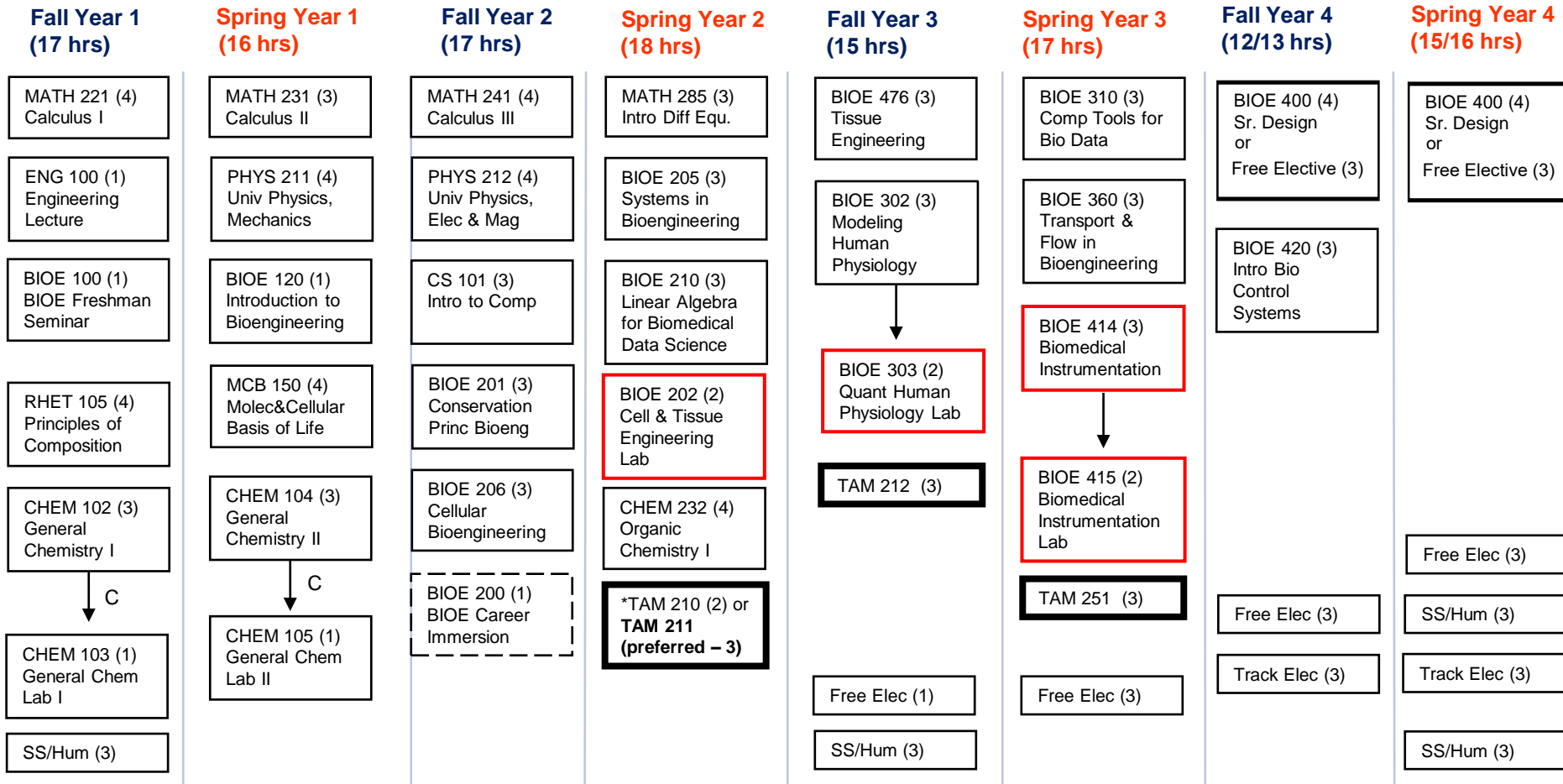


# Biomechanics Track Curriculum Map



\*\* 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 3<sup>rd</sup> or 4<sup>th</sup> semester, wherever it fits in, if you postpone to the 5<sup>th</sup> 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/SR1 - 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)
- NE 420 - Neural Interface Engineering (3 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

### 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)