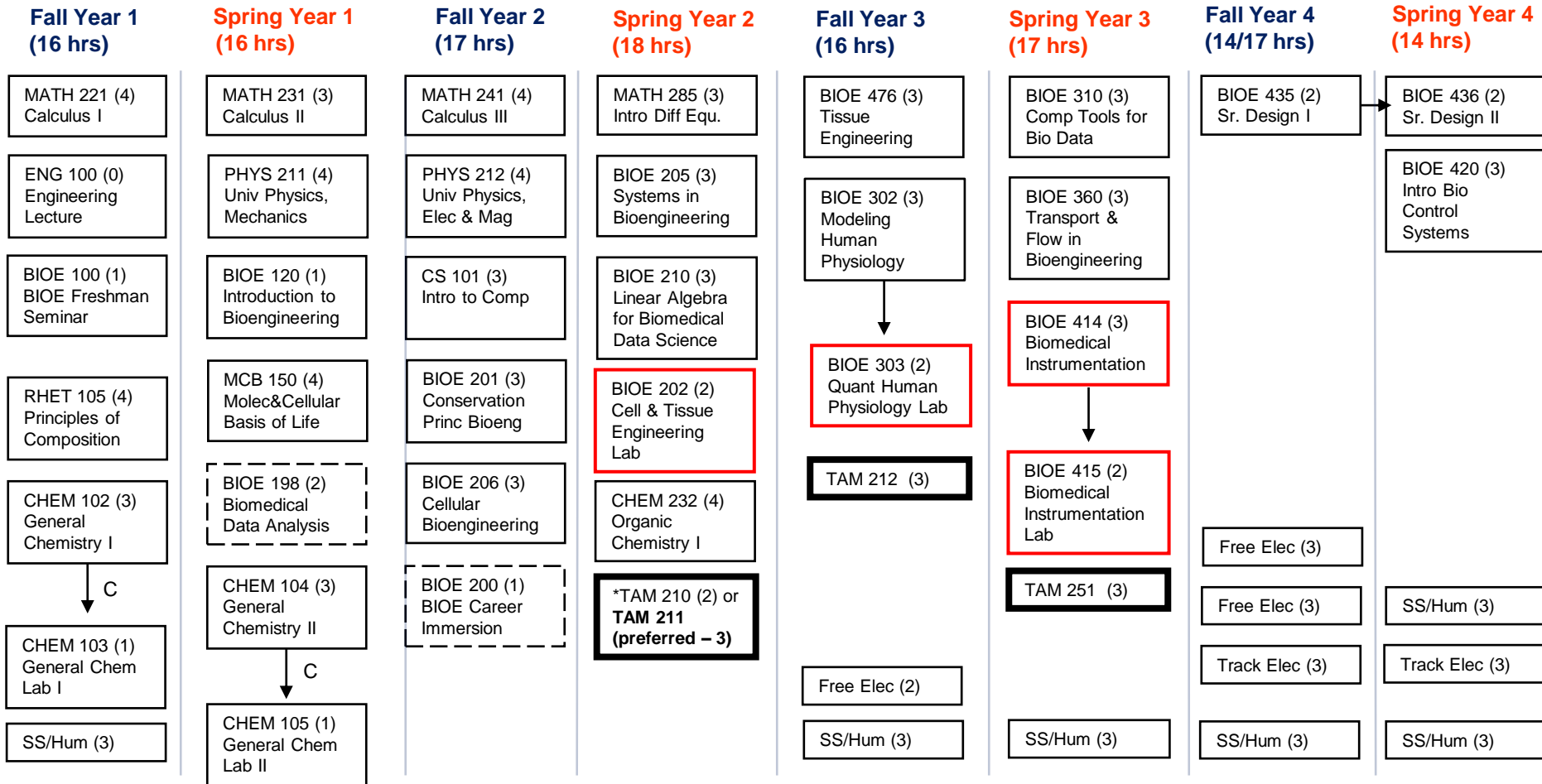


Biomechanics Track Curriculum Map



** 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 461 – Cellular Biomechanics (4 hr)
- BIOE 498 NIE – Surgical Technologies (3 hr)
- BIOE 498 PJ – Experimental Design in Automation (3 hr)
- BIOE 498 QP – Quantitative Pharmacology (3 hr)
- BIOE 498 RI – Regulatory Safety Issues In Bioengineering (3 hr)
- BIOE 498 HG - Soft Robotics (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)
- NE 420 – Neural Interface Engineering (3 hr)

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
- 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 (3 courses)