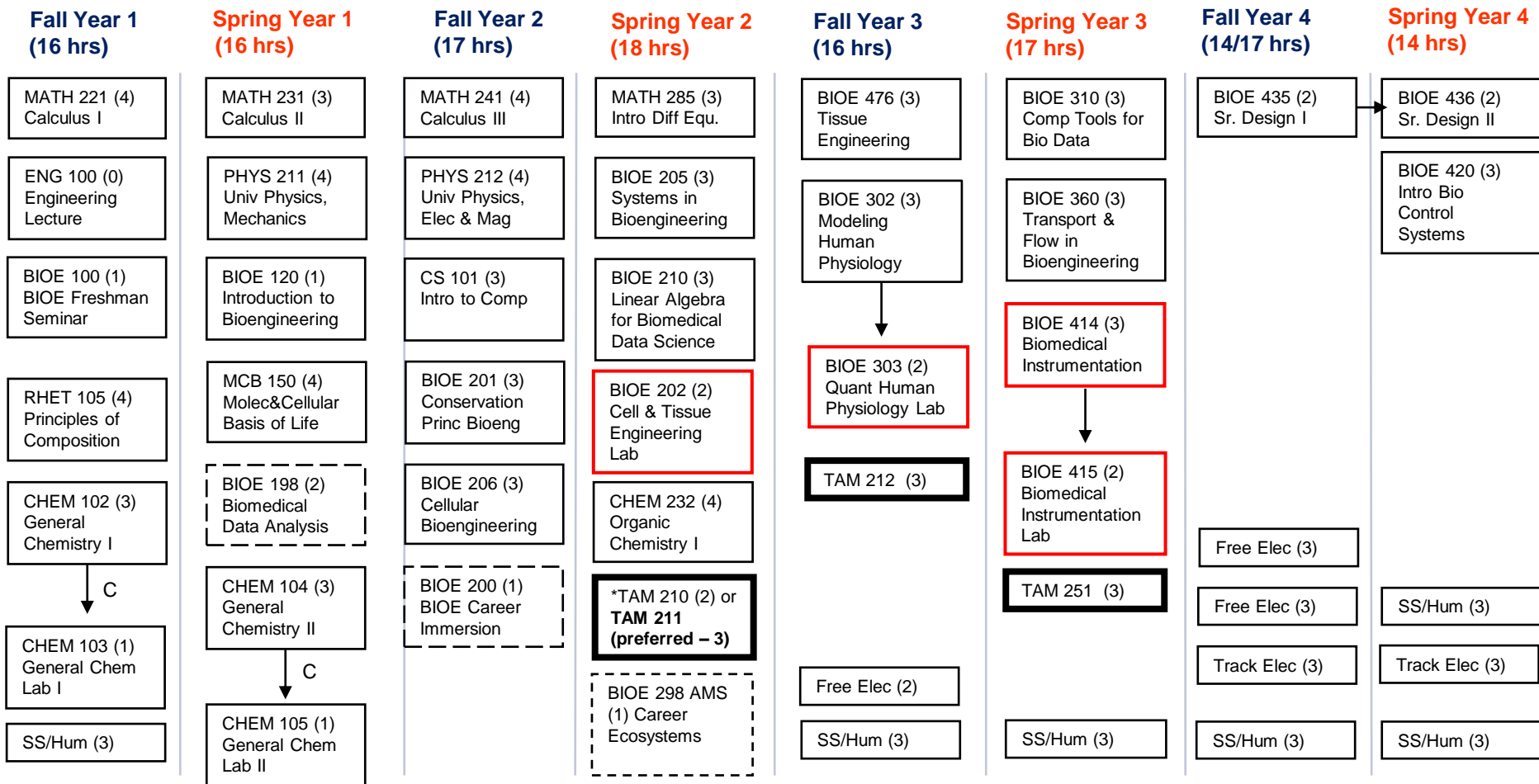


Biomechanics Track Curriculum Map



** 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)**
- **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)**

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)