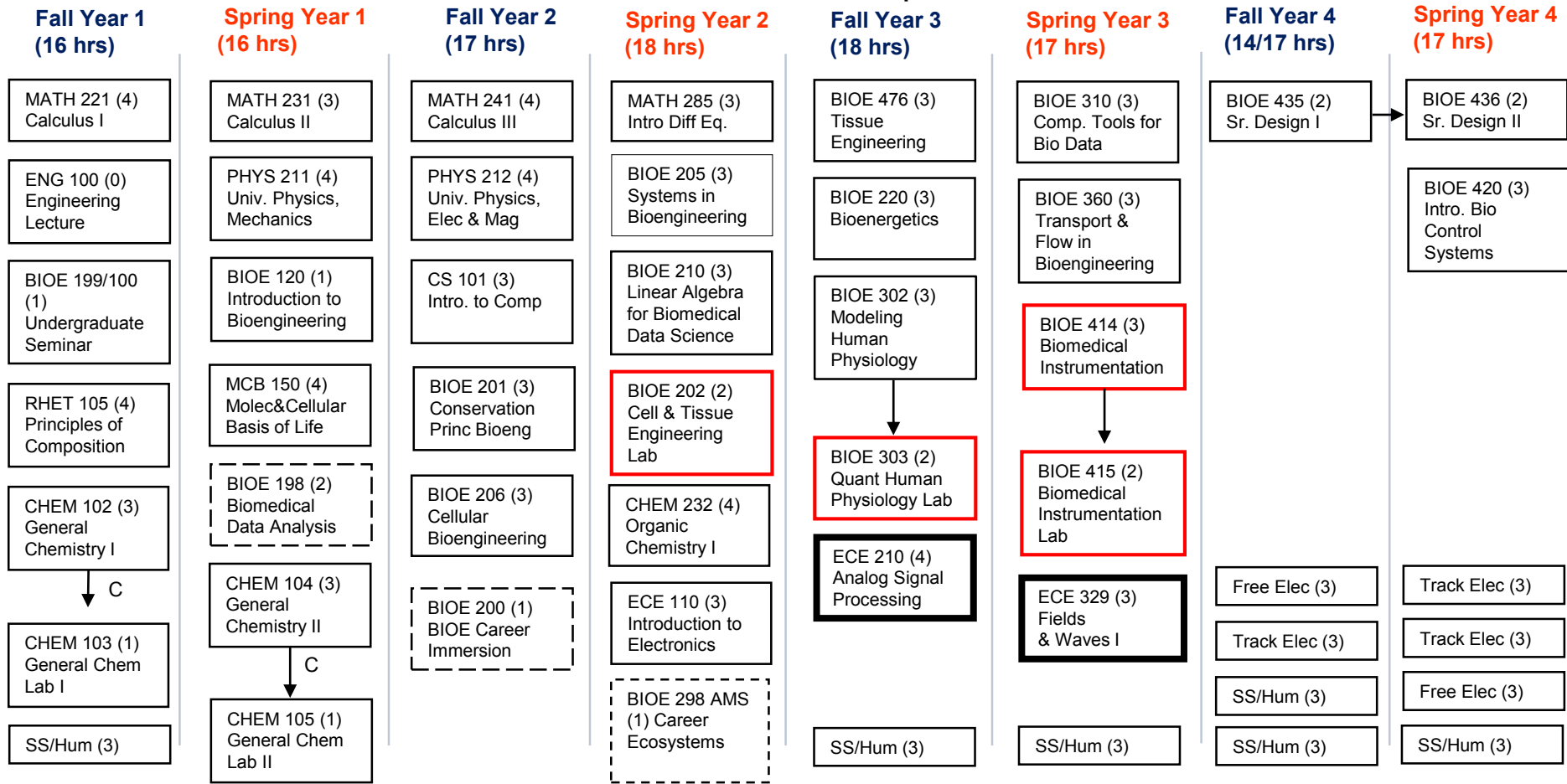


Imaging & Sensing Track Curriculum Map



Imaging & Sensing Track Elective:

- | | |
|--|---|
| <ul style="list-style-type: none"> • BIOE 477 – Imaging & Therapeutic Probes (3 hr) • BIOE 498 NIE – Surgical Technologies (3 hr) • BIOE 498 WD – Preclinical Molecular Imaging (3 hr) • ECE 310 – Digital Signal Processing (3 hr) • ECE 311 – Digital Signal Processing Lab (1 hr) • ECE 380 – Biomedical Imaging (3 hr) • ECE 416 – BioSensors (3 hr) • ECE 460 – Optical Imaging (4 hr) • ECE 467 – Biophotonics (3 hr) • ECE 473 – Fundamentals of Engineering Acoustics (3hr) • ECE 480 – Magnetic Resonance Imaging (3 hr) | <ul style="list-style-type: none"> SE 423 – Mechatronics (3 hr) ME 487 – MEMS-NEMS Theory & Fabrication (4 hr) NPRE 498 PRA – Advanced Risk Analysis (3 hr) TMGT 461 Sections TMD/TME – Tech, Eng, and Mngmt Final Project (4 hr) |
|--|---|

** 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.

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

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)