### Career Electives

Select 15 hours from the list below.

**Pre-Health**
- **DEPT** | **NUMBER** | **TITLE**
  - CHEM | 2510 | Organic Chemistry 1
  - CHEM | 2540 | Organic Chem Lab 1
  - CHEM | 2520 | Organic Chemistry 2
  - CHEM | 2550 | Organic Chem Lab 2
  - EEOB | 3510 | Cell Biology

**Hard Science**
- **DEPT** | **NUMBER** | **TITLE**
  - NEURO | 3000 | Cell/Mol Neurosci
  - MOLGEN | 4500 | General Genetics
  - PHYSIO | 3200 | Human Physiology
  - MICROBIO | 4000 | Microbiology

**Business**
- **DEPT** | **NUMBER** | **TITLE**
  - ACCTMIS | 2000 | Accounting
  - BUSFIN | 3120 | Finance
  - BUSMHR | 3100 | Mgmt & HR
  - BUSMGT | 3130 | Business Mgmt
  - BUSML | 3150 | Marketing & Logist
  - BUSMHRR | 3510 | Innovation & Entrep
  - ISE | 2500 | Manufacturing Engr

**Professional Skills**
- **DEPT** | **NUMBER** | **TITLE**
  - COMM | 2110 | Public Speaking
  - COMM | 2131 | Professional Spkg
  - ENGLISH | 3305 | Technical Writing

**Medicine**
- **DEPT** | **NUMBER** | **TITLE**
  - BME | 4001 | Clinical Preceptorship
  - HTHHRSC | 7410 | Struc & Func of Body
  - BIOETHICS | 3000 | Case Std in Health
  - EEOB | 2520 | Human Physiology
  - HTHHRSC | 2500 | Medical Terminology
  - MSE | 5611 | Materials in Medicine
  - BMI | 5xxx | Any 5000-level

**Imaging**
- **DEPT** | **NUMBER** | **TITLE**
  - CSE | 5052 | Artificial Intelligence
  - CSE | 5524 | Human-Computer Int
  - ECE | 5206 | Medical Image Proc
  - ECE | 5460 | Image Processing
  - BME | 5110 | Microscopic Imaging
  - BME | 5120 | Optics
  - BME | 5170 | Medical Imaging
  - BME | 5186 | Ultrasound

**Design/Medical Devices**
- **DEPT** | **NUMBER** | **TITLE**
  - DESIGN | 2700 | Design Practice
  - BME | 5639 | Med Device Design
  - MECHE | 5682 | Product Design
  - ISE | 3600 | Workplace Ergonomics
  - ISE | 3700 | Cognitive Engineering
  - ISE | 5610 | Ergonomics Design
  - HTHHRSC | 5620 | Aging, Access & Design

**Engineering Fundamentals**
- **DEPT** | **NUMBER** | **TITLE**
  - CSE | 122x | Computer Programming
  - CSE | 212x | Data Structures
  - ECE | 2300 | Circuits
  - MECHE | 2300 | Dynamics
  - MECHE | 5680 | CAD & Manufacturing
  - BME | 4998 | Research
  - BME | 4999 | Thesis Research
  - ECE | 5050 | Humanitarian Eng
  - ENGR | 5797 | Study Abroad

**Materials**
- **DEPT** | **NUMBER** | **TITLE**
  - MSE | 3611 | Bio Response
  - MSE | 4181 | Materials Selection
  - MSE | 5611 | Materials in Medicine
  - MSE | 5655 | Med Dev Manufac
  - BME | 5310 | Advanced Biomaterials
  - BME | 5353 | Hard Tissue Biomaterial
  - BME | 5359 | Extracellular Matrix

**Health Systems Engineering**
- **DEPT** | **NUMBER** | **TITLE**
  - BME | 5001 | Cardiovascular Engr
  - BME | 5510 | Adv Tissue Engr
  - BME | 5550 | Engr Princ of Cancer
  - BME | 5560 | Engr Cancer Biology
  - BME | 5580 | Excitable Cell Engr

**Micro/Nano Bioengineering**
- **DEPT** | **NUMBER** | **TITLE**
  - BME | 5610 | Microdevices
  - BME | 5635 | Cellular Nanotech
  - BME | 5661 | Nanotechnology I
  - BME | 5663 | Micro/Nanofluids
  - BME | 5667 | BioMEMS Microfab
  - BME | 5668 | Microtransducers

**Mechanics**
- **DEPT** | **NUMBER** | **TITLE**
  - MECE | 5700 | Musculoskeletal Mech
  - MECE | 5180 | Biomolecular Systems
  - CBSE | 5790 | Modeling and Sim
  - BME | 5420 | Mechanobiology
  - BME | 5421 | Tissue Mechanics
  - BME | 5430 | Finite Element App
  - BME | 5470 | Cell & Tissue Mech

**Health & Wellness Theme GE**
Any GE in the Health and Wellness theme will count as a "general" (non-Engineering) Career Elective

^ Select ONE from CSE 1222 (C++), 1223 (Java), or 1224 (Python)  
* Up to 3 hours  
* Up to 6 hours