## Professional Electives:

Professional Electives from other departments can be taken with approval of faculty advisor.

### Math
- Biomedical
  - EEE-530 Biomedical Instrumentation
  - EEE-520 Design of Digital Systems*
  - EEE-521 Design of Computer Systems
- Elect Engr
  - Communications
    - EEE-678 Digital Signal Processing
    - EEE-629 Antenna Theory & Design
  - MEMs
    - EEE-689 Fundamentals of MEMS
    - EEE-798 Microfluidics
  - Signal Processing
    - EEE-579 Analog Filter Design
    - EEE-678 Digital Signal Proc

### Comp Science
- EEE-512 AdvancedSemiconductor Devices
- EEE-546 Power Electronics
- EEE-520 Design of Digital Systems*
- EEE-521 Design of Computer Systems
- EEE-579 Analog Filter Design

### Physics
- EEE-530 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*
- EEE-535 Biomedical Sensors and Transducers III*

### Chemistry
- EEE-536 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*

### Liberal Arts
- EEE-530 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*

### Elect Engr
- EEE-530 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*

### Restr Sci Elect
- EEE-530 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*

### Free Elect
- EEE-530 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*

### Co-op
- EEE-530 Biomedical Sensors and Transducers I*
- EEE-532 Biomedical Sensors and Transducers II*

### Control/RoboticsSystems
- EEE-515 State Space Contol Sys
- EEE-547 Artificial Intelligence
- EEE-585 Principles of Robotics*
- EEE-536 Biomedical Sensors and Transducers I*

### Devices and Integrated Circuits
- EEE-510 Analog Electronic
- EEE-502 Design of Digital Systems*
- EEE-579 Analog Filter Design

### Course Prerequisites
- EEE-512 AdvancedSemiconductor Devices
- EEE-546 Power Electronics
- EEE-520 Design of Digital Systems*
- EEE-521 Design of Computer Systems
- EEE-579 Analog Filter Design

### Co-op Requirements:
- EEE-499:
  - 2 Summer Co-ops
  - 2 Semester Co-ops