# RIT BS/MS Program in Electrical Engineering with Robotics Option (Final Release FS 2/20/2020)

## Professional Electives:

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

**Legend**

- **A**: Math
- **B**: Comp Science
- **C**: Physics
- **D**: Chemistry
- **E**: Liberal Arts
- **F**: Elect Engr
- **G**: FYE
- **H**: Graduate
- **I**: Nat Sci Elect
- **J**: Free Elect
- **K**: Co-op
- **L**: Course Name
- **M**: Course #
- **N**: Prerequisites

### Course Name

- **Biomedical**: EEEE-636 Biorobotics/Cybernetics*
- **Digital & Computer Systems**: EEEE-620 Design of Digital Systems*
- **Communications**: EEEE-676 Digital Signal Processing
- **Electromagnetic Fields & Optics**: EEEE-605 Modern Optics for Engineers
- **Control/RoboticsSystems**: EEEE-647 Artificial Intelligence
- **MEMs**: EEEE-689 Fundamentals of MEMS
- **Devices and Integrated Circuits**: EEEE-605 Principles of Robotics*
- **Electronics**: EEEE-686 Fundamentals of MEMS
- **Signal Processing**: EEEE-610 Analog Electronic Design

### Course #

- **Biomedical**: EEEE-636
- **Digital & Computer Systems**: EEEE-620
- **Communications**: EEEE-676
- **Electromagnetic Fields & Optics**: EEEE-605
- **Control/RoboticsSystems**: EEEE-647
- **MEMs**: EEEE-689
- **Devices and Integrated Circuits**: EEEE-605
- **Electronics**: EEEE-686
- **Signal Processing**: EEEE-610

### Prerequisites

- **Biomedical**: EEEE-636
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**Note:** One General Education Course must be Writing Intensive.

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**Total Credits = 150**