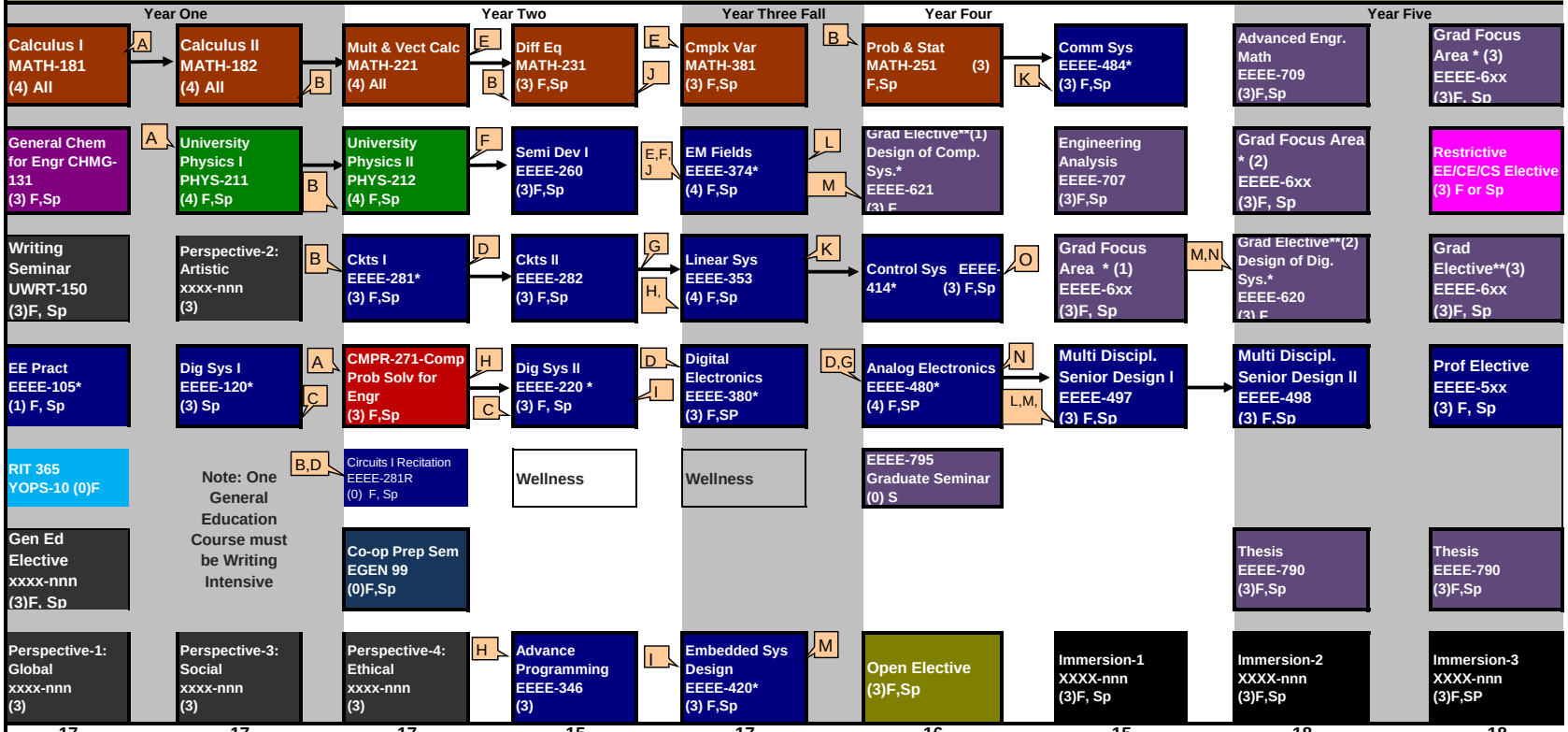
RIT BS/MS Program in Electrical Engineering with Computer Option (Final Release FS 3/25/2025)



Total Credits =150

Legend

- Math
- Comp Science
- Physics
- Chemistry
- Liberal Arts
- Elect Engr
- FYE
- Graduate
- Restr Sci Elect
- Open Elective
- Co-op
- **Course Name**
- **Course #**
- **Semesters**
- *** Indicates lab included**
- **Prerequisites**
- Definitions
- A
- **Course** Prerequisites
- A
- **Prerequisite**

Professional Electives:

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

Biomedical
EEEE-630 Diomedical Instrumentation
EEEE-631 Biomedical Sensors & Transducers I

Communications
EEEE-692 Communication Networks
EEEE-693 Digital Data Communications
EEEE-694 Sens Array Proc for Wireless Comm

Control/RoboticsSystems
EEEE-647 Artifical Intelligence
EEEE-685 Principles of Robotics*
EEEE-636 Biorobotics & Cybernetics*

Devices and Integrated Circuits
EEEE-610 Analog IC Design
EEEE-683 Mechatronics

Digital & Computer Systems
EEEE-620 Design of Digital Systems*
EEEE-621 Design of Computer Systems*

Electromagnetic Microwaves and Antenna
EEEE-617 Microwave Circuit Theory
EEEE-629 Antenna Theory & Design
EEEE-605 Modern Optics for Engineers

MEMs
EEEE-689 Fundamentals of MEMS
EEEE-787 MEMS Evaluation

Signal Processing
EEEE-678 Digital Signal Processing
EEEE-694 Sens Array Proc for Wireless Comm
EEEE-695 Optimization Methods for Engineers

Restrictive EE/CE/CS Electives
EEEE-692 Communication Networks
EEEE-693 Digital Data Communication
CMPE-570 Data and Communication Networks
CSCI-352 Operating Systems

Co-op Requirements: 40 Weeks
EEEE-499:
Summer after 2nd year and Fall of 3rd year
Summer after 3rd year OR Summer after 4th year

NOTES

*****EEEE-602 Is NOT required for Digital Systems, MEMS, and Integrated Electronics focus areas***

Refer to your advisement report in SIS for a full list of professional electives