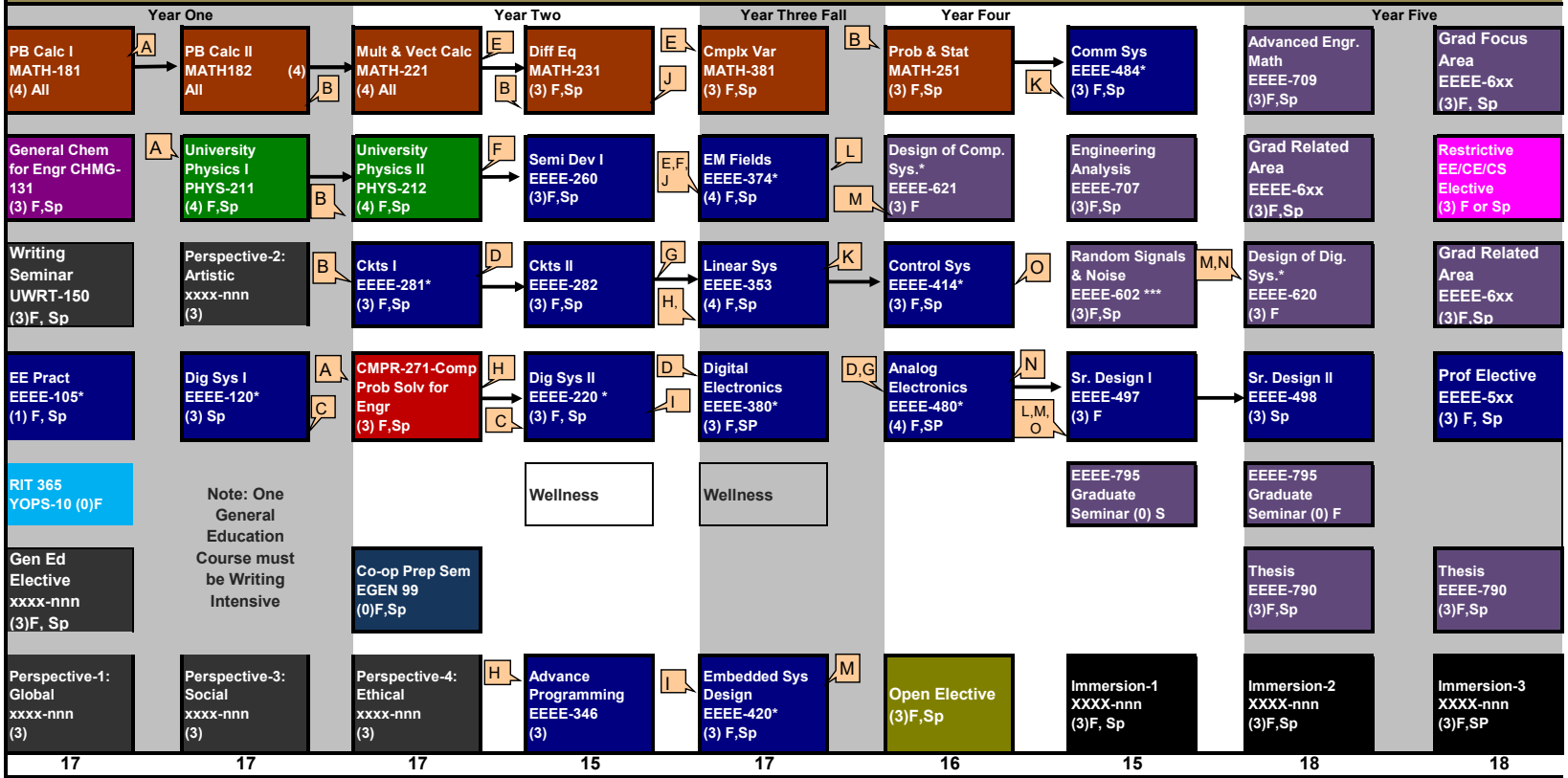
RIT BS/MS Program in Electrical Engineering with Computer Option (Final Release FS 2/10/2022)



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 Electronic 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