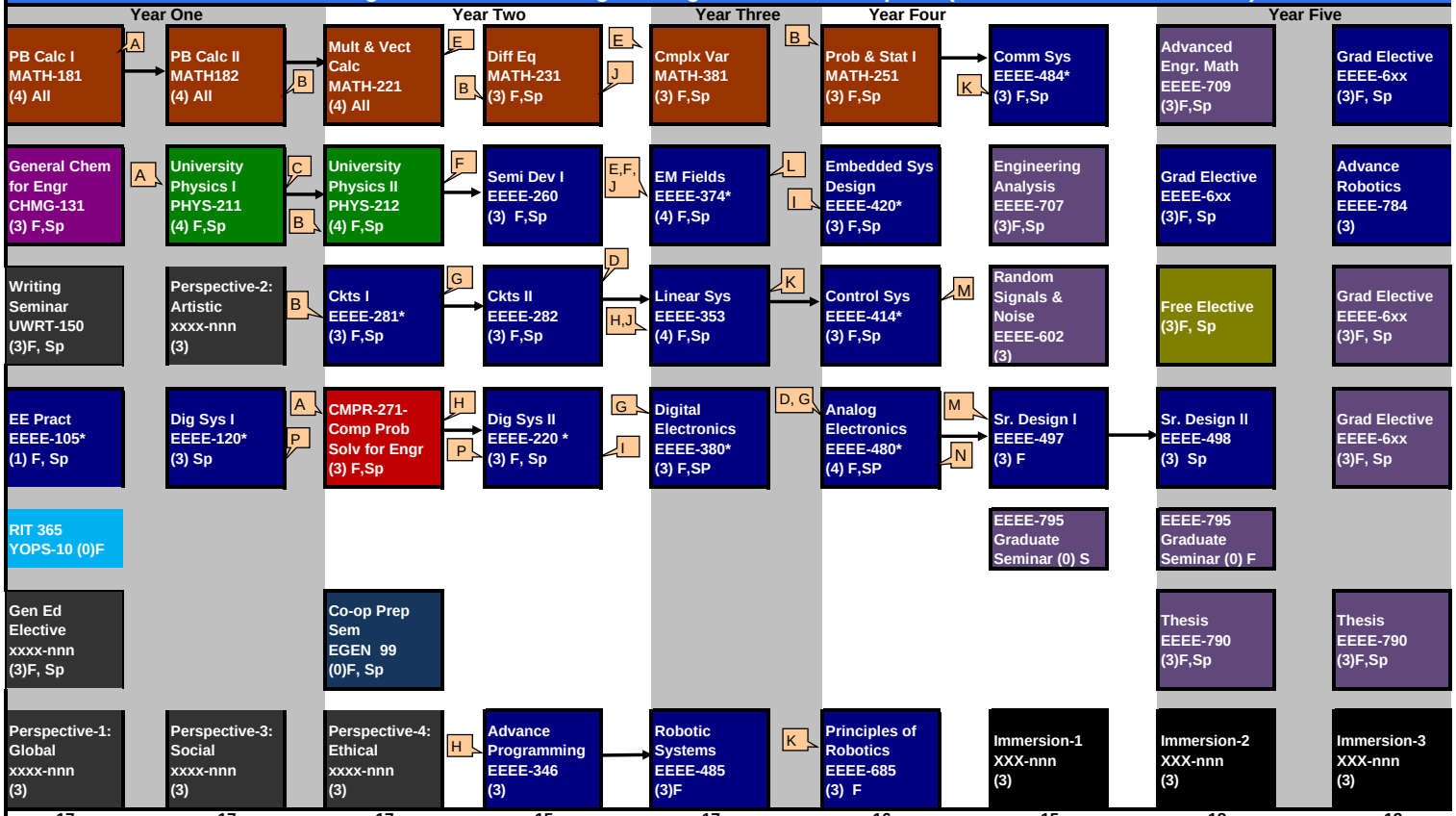
RIT BS/MS Program in Electrical Engineering with Robotics Option (Final Release FS 2/20/2020)



Total Credits =150

Legend
Math
Comp Science
Physics
Chemistry
Liberal Arts
Elect Engr
FYE
Graduate
Restr Sci Elect
Free Elect
Co-op
Course Name
Course #
(Cr) Quarters-
* 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-636 Biorobotics/Cybernetics*

Communications
EEEE-678 Digital Signal Processing
EEEE-692 Communication Networks
EEEE-693 Digital Data Communications

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-679 Analog Filter Design

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

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

MEMs
EEEE-689 Fundamentals of MEMS
EEEE-786 Microfluidics
EEEE-787 MEMS Evaluation

Signal Processing
EEEE-678 Digital Signal Processing

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

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

Note: One General Education Course must be Writing Intensive

2 Wellness Courses