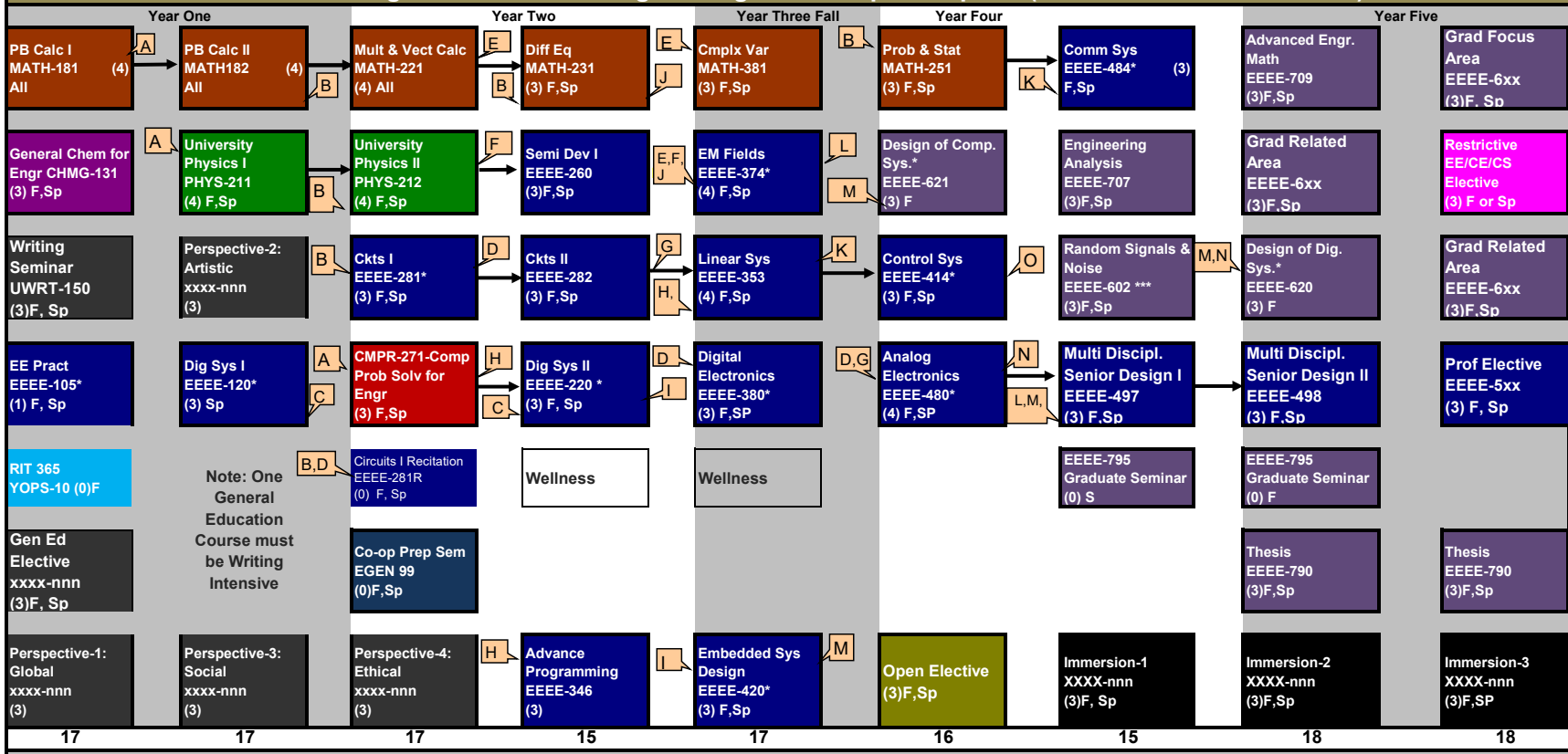


RIT BS/MS Program in Electrical Engineering with Computer Option (Final Release FS 3/29/2023)



Total Credits =150

Legend	Professional Electives:	Professional Electives from other departments can be taken with approval of faculty advisor
Math	Biomedical	Digital & Computer Systems
Comp Science	EEEE-630 Biomedical Instrumentation	EEEE-620 Design of Digital Systems*
Physics	EEEE-631 Biomedical Sensors & Transducers I	EEEE-621 Design of Computer Systems*
Chemistry	Communications	Electromagnetic Microwaves and Antenna
Liberal Arts	EEEE-692 Communication Networks	EEEE-617 Microwave Circuit Theory
Elect Engr	EEEE-693 Digital Data Communications	EEEE-629 Antenna Theory & Design
FYE	EEEE-694 Sens Array Proc for Wireless Comm	EEEE-605 Modern Optics for Engineers
Graduate	Control/RoboticsSystems	MEMS
Restr Sci Elect	EEEE-647 Artificial Intelligence	EEEE-689 Fundamentals of MEMS
Open Elective	EEEE-685 Principles of Robotics*	EEEE-787 MEMS Evaluation
Co-op	EEEE-636 Biorobotics & Cybernetics*	Signal Processing
Course Name	Devices and Integrated Circuits	EEEE-678 Digital Signal Processing
Course #	EEEE-610 Analog Electronic Design	EEEE-694 Sens Array Proc for Wireless Comm
Semesters	EEEE-683 Mechatronics	EEEE-695 Optimization Methods for Engineers
* Indicates lab included	Restrictive EE/CE/CS Electives	
Prerequisites	EEEE-692 Communication Networks	
Definitions	EEEE-693 Digital Data Communication	
Course Prerequisites	CMPE-570 Data and Communication Networks	
Prerequisite	CSCI-352 Operating Systems	
	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	

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