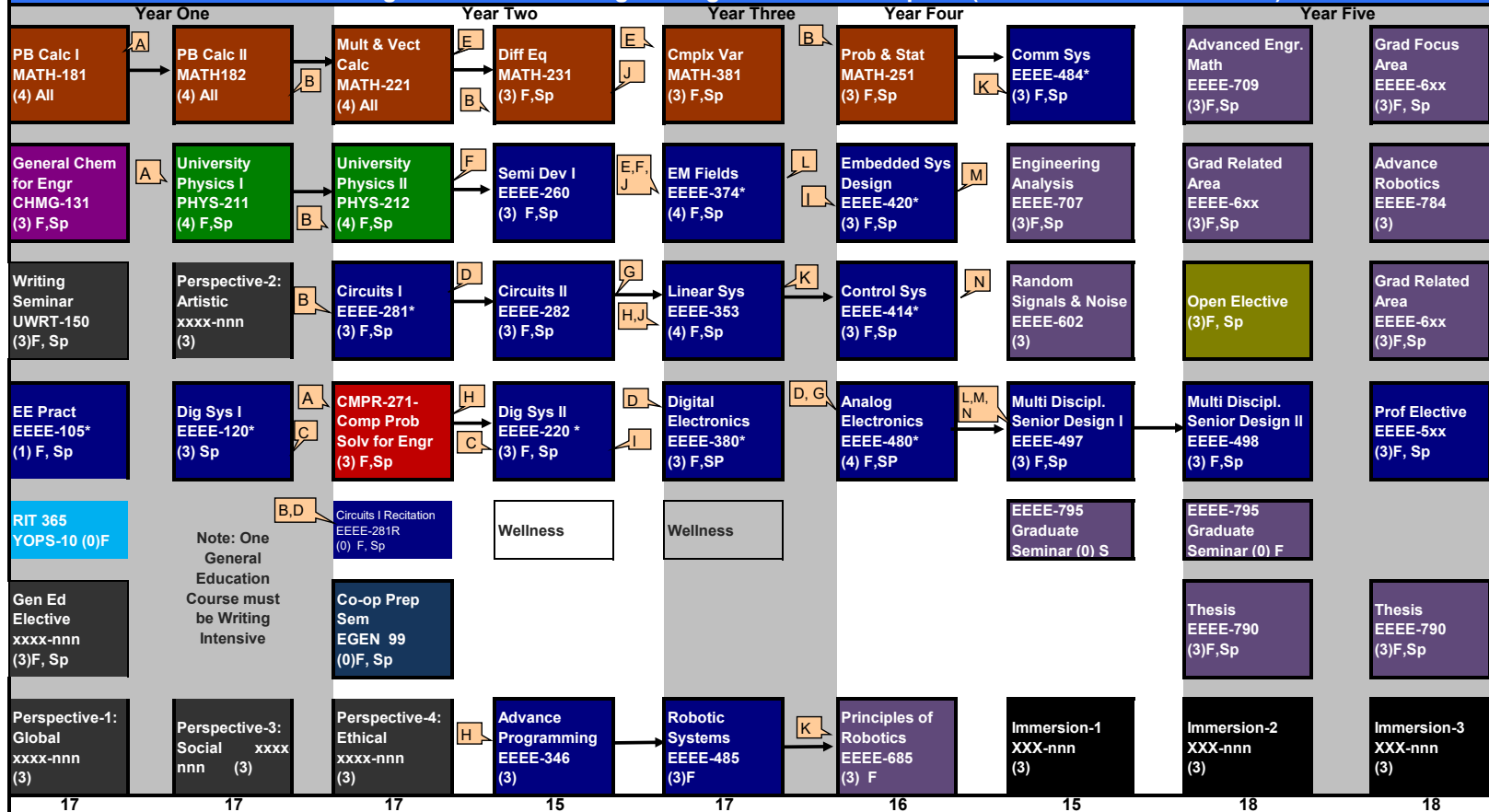


**RIT BS/MS Program in Electrical Engineering with Robotics Option (Final Release FS 3/29/2023)**



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

**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