




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

	Year One	Year Two	Year Three Fall	Year Four Fall	Year Five	Total Credits
PB Calc I MATH-181 (4) All	PB Calc II MATH-182 (4) All	Mult & Vect Calc MATH-221 (4) All	Diff Eq MATH-231 (3) F,Sp	Cmplx Var MATH-381 (3) F,Sp	Prob & Stats MATH-251 (3) F,Sp	Comm Sys EEEE-484* (3) F,Sp
General Chem for Engr CHMG-131 (3) F,Sp	University Physics I PHYS-211 (4) F,Sp	University Physics II PHYS-212 (4) F,Sp	Semi Dev I EEEE-260 (3) F,Sp	EM Fields EEEE-374* (4) F,Sp	Embedded Sys Design EEEE-420* (3) F,Sp	Prof Elective EEEE-5xx (3)F, Sp
Writing Seminar UWRT-150 (3) All	Perspective-2: Artistic xxxx-nnn (3)F,Sp	Circuits I EEEE-281* (3) F,Sp	Circuits II EEEE-282 (3) F,Sp	Linear Sys EEEE-353 (4) F,Sp	Classical Controls EEEE-414* (3) F,Sp	Multi Discipl. Senior Design I EEEE-497 (3) F,Sp
EE Pract EEEE-105* (1) F, Sp	Dig Sys I EEEE-120* (3) Sp	Comp Prob Solv CMPR-271 (3) F,Sp	Dig Sys II EEEE-220* (3) Sp	Digital Electronics EEEE-380* (3) F,SP	Analog Electronics EEEE-480* (4) F,SP	Open Elective (3)F, Sp
RIT 365 YOPS-10 (0)F	Note: One General Education Course must be Writing Intensive	Circuits I Recitation EEEE-281R (0) F, Sp	Wellness	Wellness		
Gen Ed Elective xxxx-nnn (3)F, Sp		Co-op Prep Sem EGEN 99 (0)F, Sp				
Perspective-1: Global xxxx-nnn (3)F,Sp	Perspective-3: Social xxxx-nnn (3)F,Sp	Perspective-4: Ethical xxxx-nnn (3)F,Sp	Advance Prog EEEE-346 (3)F,Sp	Robotic Sys EEEE-485 (3) F	Principles of Robotics EEEE- 585 (3) F	Immersion-1 xxxx-nnn (3)F,Sp
17	17	17	15	17	16	15
17	17	17	15	17	16	15

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-530 Biomedical Instrumentation	EEEE-520 Design of Digital Systems*
<b>Physics</b>	EEEE-531 Biomedical Sensors & Transducers I	EEEE-521 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-592 Communication Networks	EEEE-517 Microwave Circuit Theory
<b>Year One</b>	EEEE-593 Digital Data Communications	EEEE-529 Antenna Theory & Design
<b>Restr Sci Elect</b>	EEEE-594 Sens Array Proc for Wireless Comm	EEEE-505 Modern Optics for Engineers
<b>Free Elect</b>		
<b>Co-op</b>	<b>Control/Robotics Systems</b>	<b>MEMs</b>
Course Name	EEEE-536 Biorobotics & Cybernetics*	EEEE-689 Fundamentals of MEMS
Course #	EEEE-547 Artificial Intelligence	EEEE-787 MEMS Evaluation
Semester	EEEE-585 Principles of Robotics*	
* Indicates lab included	<b>Devices and Integrated Circuits</b>	<b>Signal Processing</b>
<b>Prerequisites</b>	EEEE-510 Analog Electronic Design	EEEE-594 Sens Array Proc for Wireless Comm
Definitions	EEEE-583 Mechatronics	EEEE-595 Optimization Methods for Engineers
	<b>NOTES</b>	
<b>Course</b>	<i>At least two of the professional electives must be taken from Electrical Engineering Curriculum</i>	
Prerequisites	<i>An approval is required from your student advisor for any professional elective from other engineering programs.</i>	
	<i>Refer to your advisement report in SIS for a full list of professional electives</i>	
<b>Prerequisite</b>		
		

**Co-op Requirements: 48 Weeks**  
**EEEE-499:**  
**Spring of 3rd year & Summer of 2nd -or- 3rd year**  
**Spring of 4th year & Summer of 4th year**