

RIT BS Core Program in Electrical Engineering (Final Release FS 2/10/2022)

Year One	Year Two	Year Three Spring	Year Four Spring	Year Five				
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	Prof Elective EEEE-5XX (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	Open Elective (3)F, Sp	
Writing Seminar UWRT-150 (3) F, Sp	Perspective-2: Artistic xxxx-nnn (3) F, Sp	Ckts I EEEE-281* (3) F,Sp	Ckts II EEEE-282 (3) F,Sp	Linear Sys EEEE-353 (4) F,Sp	Classical Controls EEEE-414* (3) F,Sp	Sr. Design I EEEE-497 (3) F,Sp	Sr. Design II EEEE-498 (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	Prof Elective EEEE-5xx (3) F, Sp	
RIT 365 YOPS-10 (0)F	Note: One General Education Course must be Writing Intensive		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	Advanced Prog EEEE-346 (3)F, Sp	Immersion-1 xxxx-nnn (3) F, Sp	Open Elective (3)F, Sp	Immersion-2 xxxx-nnn (3)F, Sp	Immersion-3 xxxx-nnn (3)F, Sp	
17	17	17	15	17	16	15	15	129

Legend	Professional Electives:	Professional Electives from other departments can be taken with approval of faculty advisor
Math	Biomedical	Digital & Computer Systems
Comp Science	EEEE-530 Biomedical Instrumentation	EEEE-520 Design of Digital Systems*
Physics	EEEE-531 Biomedical Sensors & Transducers I	EEEE-521 Design of Computer Systems*
Chemistry		
Liberal Arts	Communications	Electromagnetic Microwaves and Antenna
Elect Engr	EEEE-592 Communication Networks	EEEE-517 Microwave Circuit Theory
Year One	EEEE-593 Digital Data Communications	EEEE-529 Antenna Theory & Design
Free Elect	EEEE-594 Sens Array Proc for Wireless Comm	EEEE-505 Modern Optics for Engineers
Co-op		
Course Name	Control/Robotics Systems	MEMs
Course #	EEEE-536 Biorobotics & Cybernetics*	EEEE-689 Fundamentals of MEMS
Semesters	EEEE-547 Artificial Intelligence	EEEE-787 MEMS Evaluation
* Indicates lab included	EEEE-585 Principles of Robotics*	
Prerequisites	Devices and Integrated Circuits	Signal Processing
Definations	EEEE-510 Analog Electronic Design	EEEE-594 Sens Array Proc for Wireless Comm
Course	EEEE-583 Mechatronics	EEEE-595 Optimization Methods for Engineers
Prerequisites		
Prerequisite		

Co-op Requirements: 48 Weeks
 EEEEE-499:
 Summer after 2nd year & Fall of 3rd year
 Summer after 3rd year & Fall of 4th year

NOTES
 At least two of the professional electives must be taken from Electrical Engineering Curriculum
 An approval is required from your student advisor for any professional elective from other engineering programs.
 Refer to your advisement report in SIS for a full list of professional electives