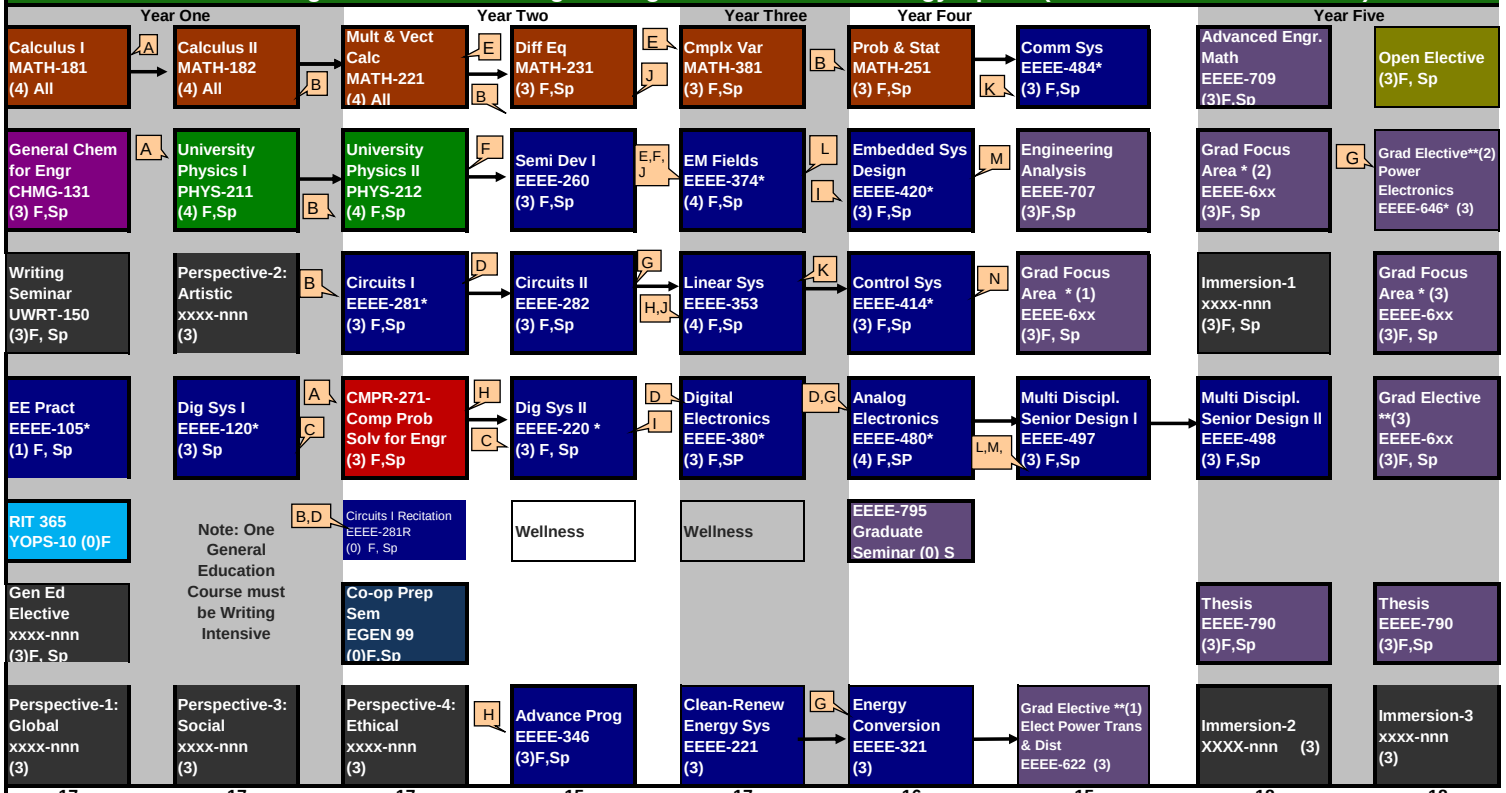
RIT BS/MS Program in Electrical Engineering with Renewable Energy Option (Final Release FS 3/25/2025)



Total Credits =150

Legend
Math
Comp Science
Physics
Chemistry
Liberal Arts
Elect Engr
FYE
Graduate
Co-op
Course Name
Course #
Semesters
*** 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-630 Diomedical Instrumentation
EEEE-631 Biomedical Sensors & Transducers I

Communications
EEEE-692 Communication Networks
EEEE-693 Digital Data Communications
EEEE-694 Sens Array Proc for Wireless Comm

Control/RoboticsSystems
EEEE-647 Artifical Intelligence
EEEE-685 Principles of Robotics*
EEEE-636 Biorobotics & Cybernetics*

Devices and Integrated Circuits
EEEE-610 Analog IC Design
EEEE-683 Mechatronics

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

Electromagnetic Microwaves and Antenna
EEEE-617 Microwave Circuit Theory
EEEE-629 Antenna Theory & Design

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

Signal Processing
EEEE-678 Digital Signal Processing
EEEE-694 Sens Array Proc for Wireless Comm
EEEE-695 Optimization Methods for Engineers

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

*****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***