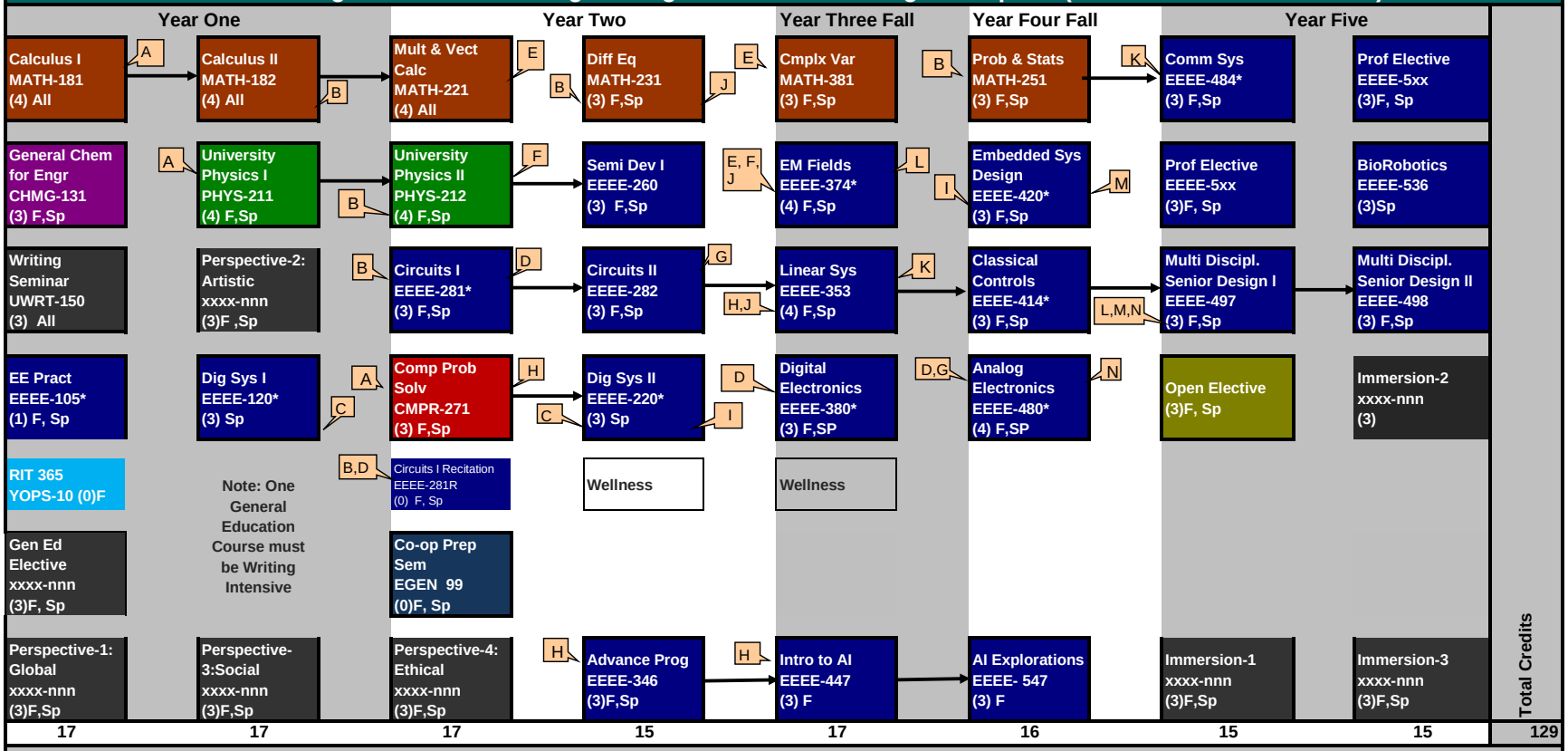
RIT BS Program in Electrical Engineering with Artificial Intelligence Option (Final Release FS 3/25/2025)



Legend

- Math
- Comp Science
- Physics
- Chemistry
- Liberal Arts
- Elect Engr
- Year One
- Restr Sci Elect
- Free Elect
- Co-op
- Course Name
- Course #
- Semester
- * 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-530 Biomedical Instrumentation
EEEE-531 Biomedical Sensors & Transducers I

Communications

EEEE-592 Communication Networks
EEEE-593 Digital Data Communications
EEEE-594 Sens Array Proc for Wireless Comm

Control/RoboticsSystems

EEEE-536 Biorobotics & Cybernetics*
EEEE-547 Artifical Intelligence
EEEE-585 Principles of Robotics*

Devices and Integrated Circuits

EEEE-510 Analog IC Design
EEEE-583 Mechatronics

Digital & Computer Systems

EEEE-520 Design of Digital Systems*
EEEE-521 Design of Computer Systems*

Electromagnetic Microwaves and Antenna

EEEE-517 Microwave Circuit Theory
EEEE-529 Antenna Theory & Design
EEEE-505 Modern Optics for Engineers

MEMs

EEEE-689 Fundamentals of MEMS
EEEE-787 MEMS Evaluation

Signal Processing

EEEE-594 Sens Array Proc for Wireless Comm
EEEE-595 Optimization Methods for Engineers

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

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 electrive from other engineering programs.
Refer to your advisement report in SIS for a full list of professional electives