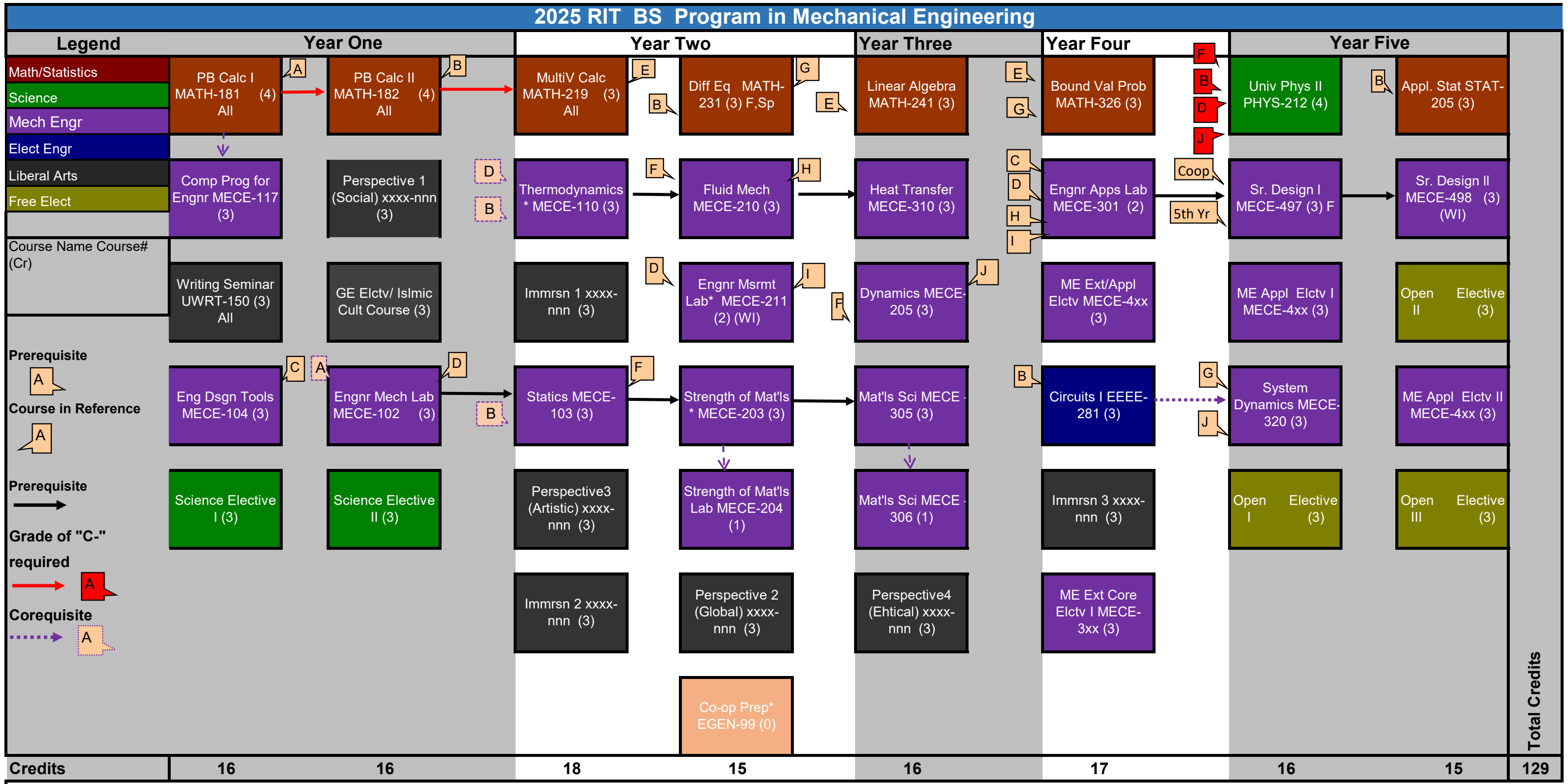


* Prerequisites for Coop include: EGEN 99, MECE 110, MECE 203, MECE 211 (recommended)

**Technical Electives:** Technical Electives from other departments can be taken with Department approval

**No Option**

Ext Core MECE-350 to MECE-399/
MECE 317 Numerical Methods
Applied MECE-400 to MECE-599
MECE-400 to MECE-599
2 Ext Core/Applied MECE-350 to MECE-599

*Bioengineering Option^*

*Ext Core MECE 355 Fluids II//MECE 389 Dynamics II*
*2 Applied MECE 555 Biomechatronics*
*MECE-557 Applied Biomaterials*
MECE 725 Computational Fluid Dynamics
MECE 752 Tribology Fundamentals

*^Offered in the main campus only*

**Energy & Enviro Option**

Ext Core MECE-352 Thermo II/MECE 355 Fluids II/
MECE 317 Numerical Methods
2 Applied MECE-401 Heating, AC, and Refrigeration
MECE-402 Turbomachinery
MECE 405 Wind Turbine Engineering
MECE 529 Renewable Energy
MECE 589 ST: A/C for Hot and Humid Environments
MECE 589 ST: Design of Thermal Systems
MECE 589 ST: Fundamentals of Sustainability
MECE 733 Sustainable Energy Mgmt*
MECE 739 Alt Fuels and Energy Eff*
ISEE 785 Lifecycle Assessment*

**Aerospace Option**

Ext Core MECE 350 Strength II/MECE352 Thermo II/
MECE 355 Fluids II/MECE 317 Numerical Methods
2 Applied MECE -402 Turbomachinery
MECE-403 Propulsion
MECE 406 Adv CAD
MECE 409 Aerodynamics
MECE-412 Aerostructures
MECE-510 Flight Dynamics
MECE-511 Orbital Mechanics
MEC E520 Intro to Optimal Design
MECE-543 Classical Controls
MECE-544 Composite Materials
MECE-558 Intro Vibrations
MECE 570 Manufacturing Processes & Engnr
MECE 725 Computational Fluid Dynamics
MECE 738 Ideal Flows

**Automotive Option**

Ext Core MECE 350 Strength II/MECE352 Thermo II/
MECE 355 Fluids II/MECE 317 Numerical Meth
2 Applied MECE 406 Adv CAD
MECE-421 Internal Combustion Engines
MECE-523 Powertrain Systems
MECE-524 Vehicale Dynamics
MECE-543 Classical Controls
MECE-544 Composite Materials
MECE 570 Manufacturing Processes & Engnr
MECE 729 Alt Fuels & Energy Eff