



**\* Prerequisites for Coop include: EGEN 99, MECE 110, MECE 203, MECE 211**

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

No Option	Energy & Enviro Option	Aerospace Option	Automotive Option
Cont Issues MECE 348 Contemp Issues (Any) Ext Core MECE-350 to MECE-399/ MECE 317 Numerical Methods Applied MECE-400 to MECE-599 Cont/Appled MECE-350 to MECE-599  <i>Bioengineering Option*</i> Cont Issues MECE 348 Contemp Issues in Bioengineering 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	Cont Issues MECE 348 Contemp Issues in Energy & Env Ext Core MECE-352 Thermo II/MECE 355 Fluids II/ MECE 317 Numerical Methods 2 Applied MECE-401 Ref & A/C MECE-402 Turbomachinery MECE 405 Wind Turbine Engineering MECE 529 Renewable Energy MECE 589 ST: Alt Propulsion Sys MECE 589 ST: A/C for Hot and Humid Environments MECE 589 ST: Design of Thermal Systems MECE 589 ST: Fundamentals of sustainability	Cont Issues MECE 348 Contemp Issues (any) Ext Core MECE 350 Strength II/MECE 389 Dynamics II MECE 317 Numerical Methods 2 Applied MECE-403 Propulsion MECE 409 Aerodynamics MECE-410 Flight Dynamics MECE-411 Orbital Mechanics MECE-412 Aerostructures MECE-543 Classical Controls MECE-544 Composite Materials MECE-558 Intro Vibrations MECE 725 Computational Fluid Dynamics MECE 738 Ideal Flows	Cont Issues MECE 348 Contemp Issues Ext Core MECE 350 Strength II/MECE352 Thermo II/ MECE 389 Dynamics II/MECE 317 Numerical Methods 2 Applied MECE-421 IC Engines MECE-523 Powertrain MECE-524 Vehical Dynamics MECE-543 Classical Controls MECE-544 Composite Materials MECE 570 Manufacturing Processes MECE 589 ST: Alt Propulsion Sys MECE 589 ST: Comput Gear Design MECE 752 Tribology Fundamentals