

Courses Recommended for Engineering Elective

Course	Course Name	Prerequisites
MEE 348	Introduction to Flight	MAT 258, PHY 121, and MEE 125
MEE 394	Mechanical Engineering Practice	none
MEE 4xx	Any MEE Technical Elective	See Curriculum Sheet
CHE 350	Statistical Process Control and Analysis	MAT 127
CHE 461	Combustion and Fuel Processing	CHY 121 and MEE 230
CIE 340	Introduction to Structural Analysis	MEE 150 and MEE 251
CIE 365	Soil Mechanics	MEE 251
ECE 316	Random Signal Analysis	MAT 228
ECE 417	Introduction to Robotics	MAT 228, and ECE 177 or COS 220
ECE 457	Nanoscience	CHY 122 or 131, and PHY 122, and MAT 258
ECE 462	Intro. to Basic Semiconductor Devices and Assoc. Circuit Models	CHY 121 or 131, and PHY 122
ECE 464	Microelectronics Science and Engineering	PHY 122, and CHY 121 or 131; Corequisite MAT 258
ECE 465	Introduction to Sensors	Junior standing in engineering
ECE 467	Solar Cells and Their Applications	ECE 209
EET 386	Project Management	Sophomore standing in engineering
EET 414	Introduction to Printed Circuit Boards	ECE 209
EET 460	Renewable Energy and Electricity Production	PHY 122 and MAT 126
EET 484	Engineering Economics	Requires permission (contact instructor)
INV 392	Commercialize: Innovation Engineering II	INV 180
MET 321	Industrial Vibrations	Requires permission (contact instructor)
MET 391	Heating, Ventilating and Air Conditioning (not allowed if MEE 486 "Refrig. and A.C. System Design" is used as MEE Tech. Elective)	Requires permission (contact instructor)
MET 440	Lean Six Sigma	MAT 127
PPA 466	Paper Technology	MEE 360
SVT 475	Small Business Management	none

Other 300 or 400 level courses in the College of Engineering (BEN, CHE, CIE, CET, ECE, EET, MET, SVT), Innovation Engineering (INV), or Pulp and Paper (PPA) may be accepted as the Engineering Elective with MEE Department approval.

Courses Not Allowed for Engineering Elective

(due to overlap with a required course in MEE curriculum)

CET 413 Statics and Strength of Materials
 CHE 352 Process Control
 CHE 385 Chemical Engineering Thermodynamics I
 CHE 386 Chemical Engineering Thermodynamics II
 CHE 410 Advanced Materials
 CIE 350 Hydraulics
 EET 330 Electrical Applications
 MET 317 Dynamics
 MET 325 Fluid Flow Technology
 MET 355 Engineering Materials
 MET 433 Thermodynamics
 MET 462 Design I
 MET 463 Design II