

### Prerequisites for Required Courses in MEE Curriculum

Course	Course Name	Prerequisites
MAT 127	Calculus II	MAT 126 <sup>C</sup>
MAT 228	Calculus III	MAT 127 <sup>C</sup>
MAT 258	Differential Equations and Linear Algebra	MAT 127 <sup>C</sup>
STS 332	Statistics for Engineers	MAT 228 <sup>C</sup>
PHY 121	Physics for Engineers and Scientists I	Corequisite MAT 126
PHY 122	Physics for Engineers and Scientists II	MAT 126 <sup>C</sup> , PHY 121 <sup>C-</sup>
CHY 121/3 CHY 131/3	General Chemistry I/Lab Chemistry for Engineers/ Lab	MAT 126 <sup>C</sup> MAT 126
ECE 209	Fundamentals of Electric Circuits	MAT 127, PHY 122
ENG 320	Technical Communication for Engineering	ENG 101
MEE 125 COS 220 ECE 177	Computational Tools for Mech. Engineers Introduction to C++ Programming Introduction to Programming for Engineers	MAT 126 none MAT 126
MEE 150	Statics	MAT 126
MEE 230	Thermodynamics I	MAT 127
MEE 231	Thermodynamics II	MEE 230 <sup>C</sup> , MEE 125 or COS 220 or ECE 177
MEE 251	Strength of Materials	MAT 127 <sup>C</sup> , MEE 150 <sup>C</sup>
MEE 270	Dynamics	MEE 150 <sup>C</sup> , Corequisite MAT 228
MEE 320	Materials	MEE 230 <sup>C</sup> , MEE 251 <sup>C</sup>
MEE 330	Manufacturing	MEE 120
MEE 341	Mechanical Lab I	MEE 251 <sup>C</sup> , MEE 360, MAT 258
MEE 360	Fluid Mechanics	MEE 230 <sup>C</sup> , MEE 270 <sup>C</sup> , MAT 258
MEE 370	Controls	MEE 270 <sup>C</sup> , MAT 258, ECE 209
MEE 380	Design I	MEE 270 <sup>C</sup>
MEE 381	Design II	MEE 120, MEE 251 <sup>C</sup>
MEE 432	Heat Transfer	MEE 360, MAT 258
MEE 442	Mechanical Lab II	MEE 341
MEE 443	Mechanical Lab III	MEE 442
MEE 456	Finite Element Method	MEE 251 <sup>C</sup> , MAT 258
MEE 471	Mechanical Vibrations	MEE 270 <sup>C</sup> , MAT 258
MEE 487	Capstone Design I	MEE 360, MEE 370, MEE 381
MEE 488	Capstone Design II	MEE 487

<sup>C</sup> and <sup>C-</sup> indicate the minimum grade required in that course.

A **prerequisite** course must be taken before.

A **corequisite** course must be taken either before or concurrently.