



The University of Alabama in Huntsville
 Department of Industrial and Systems Engineering
 and Engineering Management
 Technology Hall, Room N143, Huntsville, AL 35899
 Ph: (256) 824-6256, Fax: (256) 824-6733

ISEEM Non-Engineer Graduate Program Prerequisites

Outstanding students (3.5 GPA) from other technical fields may gain admittance to the College of Engineering MSE and PhD graduate programs by completing the following courses, or equivalents. Applicants who have passed the Fundamental of Engineering Exam (FE) may substitute the exam for the courses.

Student:

Course	Equivalent	Date	Grade	Institution
Math:				
MA 171 Calculus A (4 hrs)				
MA 172 Calculus B (4 hrs)				
MA 201 Calculus C (4 hrs)				
MA 238 Differential Equations (3 hrs)				
MA 244 Linear Algebra (3 hrs)				
Science:				
PH 111 Physics with Calculus I (3 hrs)				
PH 112 Physics with Calculus II (3 hrs)				
CH 121 Chemistry (3 hrs)				
CH 125 Chemistry Laboratory I (1 hr)				
Engineering:				
ISE 390 Statistics I (3 hrs)				
ISE 321 Engineering Economy (3 hrs)				
EE 213 Circuits I (3 hrs)				
MAE 271 Statics (3 hrs)				
MAE 341 Thermodynamics (3 hrs) or MAE 352 Fluid Mechanics (3 hrs)				
Notes:				

Reviewer / Date