

## Mechanical Engineering

*College of Engineering, Informatics, and Applied Sciences*  
*Master of Science in Mechanical Engineering*  
*Master of Engineering in Mechanical Engineering*  
 P.O. Box 15600 - Flagstaff, Arizona 86011-1560  
 Phone: (928) 523-5251, Fax: (928) 523-2300

### Course Prerequisites for Students Preparing to Enter the graduate programs in Mechanical Engineering

	Substitute Course	Term	Grade	School
MAT 136 Calculus I				
MAT 137 Calculus II				
MAT 238 Calculus III				
MAT 239 Ordinary Differential Equations				
PHY 161 and 161L Calculus-based Physics I and lab				
PHY 262 Calculus-based Physics II				
CS 122 Computer Programming				
CHM 151 & 151L General Chemistry I and lab				
CENE 251 Appl Mechanics Statics				
ME 252 Appl Mechanics Dynamics				
CENE 253 and 253 L Mechanics of Materials and lab				
ME 291 Thermodynamics I				
<b>Other courses—choose only one area (two courses) based on your intended area of emphasis:</b>				
<u>Solid Mechanics emphasis:</u>				
ME 340 Materials Science				
ME 386 Machine Design				
<u>Thermal sciences emphasis:</u>				
ME 395 Fluid Mechanics				
ME 350 Heat Transfer				

\*Note: Applicants who are admitted provisionally to masters program must obtain grades of B or better in all prerequisite deficiency courses or repeat the course.