

Mechanical Objectives

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Apply math and physics principles to the solution of engineering technical problems.
Use applied skills to identify, evaluate, and solve complex technical problems.
Use engineering computer software to facilitate engineering problem solving.
Function effectively in team-oriented activities.
Demonstrate the knowledge of expected standards of ethical and professional conduct
Verbally communicate ideas
Prepare well-written technical reports.
Our graduates will have the necessary fundamentals to pursue life-long learning
Are able to analyze and design complex mechanical components and systems.
Are able to set-up experimental testing procedures and selectively utilize data to reinforce engineering concepts.
Have a basic understanding of modern manufacturing methods used to facilitate the production of consumer products.
Are able to effectively and efficiently manage engineering projects (BS Only).