

Bachelor of Science in Mechanical Engineering[†]

Department of Aerospace and Mechanical Engineering

Mapping of Program Outcomes to ABET Criterion 3 (outcomes a-k)

Program Outcomes							
H = High M = Medium L = Low	Can integrate knowledge of mathematics, science, and engineering to model and analyze problems.	Can use state-of-the-art resources to solve engineering problems.	Can apply engineering knowledge to design and build processes and systems.	Can plan experiments, analyze data, and interpret results.	Can communicate effectively (oral and written).	Can function in multidisciplinary teams.	Can exercise professional, ethical, and social responsibilities, and engage in life-long learning.
ABET Criterion 3 (outcomes a-k)							
a) Apply knowledge of math, science, and engineering	✓	✓	✓	✓			
b) Design experiments and analyze data	✓	✓	✓	✓			
c) Design a system or process to meet a need	✓	✓	✓	✓	✓	✓	
d) Function on multi-discipline teams					✓	✓	
e) Identify, formulate, and solve problems	✓	✓	✓	✓			
f) Understand professional and ethical responsibilities						✓	✓
g) Communicate effectively					✓	✓	
h) Be broadly educated					✓	✓	✓
i) Recognize need for continuing education		✓					✓

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[†] Accredited by the Engineering Accreditation Commission of ABET,
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ABET Criterion 3 (outcomes a-k)							
j) Demonstrate awareness of contemporary societal issues						✓	✓
k) Use modern engineering tools		✓	✓	✓			✓