MECHANICAL ENGINEERING (January 2009)
At the completion of the Mechanical Engineering major, the graduate is able to:

1. Apply knowledge of mathematics (including multivariable calculus, differential equations, linear algebra, and statistics), science (including chemistry and physics) and engineering to solve problems.

2. Design, realize and verify the performance of mechanical and thermal systems, components, processes, and experiments to meet desired needs within realistic constraints (including those having societal or ethical dimensions).

3. Collaborate effectively as a part of a multi-disciplinary team in a professional environment.

4. Communicate effectively.

5. Recognize the need for and be able to engage in life-long learning.

6. Have the broad education necessary to understand the impact of engineering decisions in economic, environmental, and societal contexts both globally and locally.