

Bachelor of Science in Materials Science and Engineering[†]

Department of Materials Science and Engineering

Program Educational Objectives

The MSE Department's educational objectives are to produce graduates who have the ability in a professional capacity:

1. *To combine fundamentals of mathematics and the principles of physical science and engineering with work experience in order to address new challenges and employment opportunities,*
2. *To use the fundamentals and operational principles of their discipline, MSE in solving design problems associated with any class of engineering materials,*
3. *To practice diversity in engineering teams,*
4. *To practice lifelong learning,*
5. *To use experience to grasp the role of MSE in the greater global context of technology and manufacturing.*
6. *To solve problems by effectively gathering information from various resources and using modern tools of engineering science to research, model and compute solutions, and to evaluate, apply and communicate them effectively*