



Bachelor of Science in Materials Science and Engineering[†]

Department of Materials Science and Engineering

Program Educational Objectives

The MSE program's educational objectives are formulated to imbue in our graduates the foundational values and competencies needed to effectively navigate new challenges and professional contexts that they may face during their career. These objectives are:

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.