



Bachelor of Science in Materials Science and Engineering[†]
Department of Materials Science and Engineering

Student Outcomes

A University of Arizona BS-Materials Science Engineering graduate, at the time of graduation, can/will:

1. Apply the fundamentals of mathematics, the physical and/or the life sciences and engineering principles
2. Apply the fundamentals of MSE and engineering, involving the interrelationships among processing, microstructure, properties and performance, to identify and formulate problem solving strategies and to pursue solutions via a command of MSE concepts, experimental design and data analysis.
3. Work individually and in teams in order to define alternative solutions from diverse knowledge bases and implement acceptable solutions in a local, national and global context
4. Communicate effectively in verbal presentations, written reports and other media
5. Utilize modern engineering tools used in the profession
6. Use resources such as library facilities, data bases, professional society offerings, etc. as part of life-long learning
7. Value life-long learning and the importance of professional and ethical responsibilities to the engineering discipline and within the context of contemporary societal issues at the local, national, and global level.