

## Bachelor of Science in Mining Engineering†

### Department of Mining and Geological Engineering

#### Program Educational Objectives

A practicing mining engineer can:

- Objective 1:** Utilize their engineering, science, and computational skills to advance in their careers, including the ability to adapt to a future global minerals industry with new and unforeseen challenges
- Objective 2:** Utilize and continue to develop skills in communication, technical writing, leadership, and working effectively in teams
- Objective 3:** Engage in lifelong learning, including active engagement in professional organizations and the ability to pursue advance degrees in minerals-related technical fields, as well as fields that support the minerals industry such as environmental science, business, law, and international languages and cultures
- Objective 4:** Recognize and consider the importance of health, safety, communities, and the environment in a balanced approach to mineral resource development, and the importance of mining engineers in helping to achieve that balance
- Objective 5:** Possess high professional and ethical standards, including the effective management of tasks and projects through organization, planning, analysis of risks, scheduling, and the management of resources
- Objective 6:** Prepare for and attain licensure as a Professional Engineer, if so desired