



Bachelor of Science in Mining Engineering[†]

Department of Mining and Geological Engineering

Program Educational Objectives

A practicing mining engineer can:

Objective 1:

Advance society by utilizing their engineering, science, and computational skills to excel 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 leadership skills including communication and working effectively in teams.

Objective 3:

Excel in lifelong learning, including active engagement in professional organizations and the ability to pursue advanced degrees in minerals-related technical fields, as well as fields that support the minerals industry such as environmental science, business, law, and international and indigenous languages and cultures.

Objective 4:

Advance responsible mineral resource development and consider the importance of mining engineers engage in developing sustainable practices.

Objective 5:

Apply the highest professional and ethical standards to their work, 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.