



## Bachelor of Science in Chemical Engineering<sup>†</sup>

Department of Chemical and Environmental Engineering

### Student Outcomes

**Outcome 1:**

An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

**Outcome 2:**

An ability to apply engineering design to produce solutions that meet specified needs with consideration for public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

**Outcome 3:**

An ability to communicate effectively with a range of audiences.

**Outcome 4:**

An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

**Outcome 5:**

An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

**Outcome 6:**

An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

**Outcome 7:**

An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.