

Program Outcomes (POs)

Bachelor of Science in Chemical Engineering

A graduate of the Bachelor of Science in Chemical Engineering (BS ChE) program must attain:

	Program Outcome
a	An ability to apply knowledge of mathematics and science to solve complex chemical engineering problems;
b	An ability to design and conduct experiments, as well as to analyze and interpret data;
c	An ability to design a system, component, or process to meet desired needs within realistic constraints, in accordance with standards;
d	An ability to function in multidisciplinary and multi-cultural teams;
e	An ability to identify, formulate, and solve complex chemical engineering problems;
f	An ability to understand professional and ethical responsibility;
g	An ability to communicate effectively complex chemical engineering activities with the engineering community and with society at large;
h	Ability to understand the impact of chemical engineering solutions in a global, economic, environmental, and societal context;
i	Ability to recognize the need for, and engage in life-long learning;
j	Ability to know contemporary issues;
k	Ability to use techniques, skills, and modern engineering tools necessary for chemical engineering practice.
l	Ability to know and understand engineering and management principles as a member and leader of a team, and to manage projects in a multidisciplinary environment;
m	Ability to understand at least one specialized field of chemical engineering practice