

# **CHE Program Educational Objectives**

- PEO1: Graduates practice their craft proficiently and competently using their acquired technical knowledge and skills to design efficient chemical engineering processes and solve complex chemical engineering and related problems.
- PEO2: Graduates apply their skills in critical, systematic, and creative thinking coupled with the pursuit of advanced study and life-long learning to drive the growth of their career paths or related interdisciplinary fields.
- PEO3: Graduates perform effectively and professionally in multidisciplinary and multicultural teams using their leadership and communication skills.
- PEO4: Graduates practice the chemical engineering profession ethically with a strong commitment to social responsibility, public safety, and the protection of the environment.

## **CHE Student Outcomes**

Students from the CHE program will attain the followings (by the time of graduation):

- SO1: An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- SO2: An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- SO3: An ability to communicate effectively with a range of audiences
- SO4: An ability to recognize ethical and professional responsibilities in engineering situations and make informal judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- SO5: 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
- SO6: An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- SO7: An ability to acquire and apply knowledge as needed, using appropriate learning strategies

# Number of Enrolled Students and Graduates

## Regular Track

Academic Year	Enrolled Students
2018	48
2019	46
2020	66
2021	72
2022	58
2023	61

Academic Year	Graduates
2018	42
2019	40
2020	29
2021	41
2022	36

## International Track

Academic Year	Enrolled Students
2018	26
2019	37
2020	44
2021	34

Academic Year	Graduates
2020	2
2021	12
2022	15