

# **ESE Student Outcomes**

Students from the ESE 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

<b>Academic Year</b>	<b>Enrolled Students</b>
2017	73
2018	91
2019	87
2020	84
2021	88
2022	71
2023	72

<b>Academic Year</b>	<b>Graduates</b>
2017	56
2018	89
2019	72
2020	54
2021	68
2022	67