

EE Program Educational Objectives

- PEO1: Graduates apply their technical knowledge and problem-solving skills to solve complex engineering problems in electrical engineering and related fields.
- PEO2: Graduates advance their careers professionally by strategically pursuing advanced studies, adopting emerging technologies, and focusing on topics such as energy transformation, climate change, digitalization, and industry trends in electrical engineering and related fields.
- PEO3: Graduates act professionally and ethically, upholding workplace standards while demonstrating integrity, accountability, and a commitment to the wellbeing of society, the environment, and good governance.
- PEO4: Graduates utilize their communication, leadership, and teamwork skills to function effectively in multidisciplinary teams, collaborating with international and national professionals from diverse backgrounds to solve complex engineering challenges in electrical engineering and related fields.

EE Student Outcomes

Students from the EE 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

Academic Year	Enrolled Students
2017	73
2018	50
2019	46
2020	43
2021	49
2022	42
2023	41

Academic Year	Graduates
2017	56
2018	89
2019	72
2020	54
2021	48
2022	38