

Program learning Outcomes (PLOs)

3. Program Learning Outcomes*	
Knowledge and Understanding	
K1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
Skills	
S1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
S2	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
S3	An ability to communicate effectively with a range of audiences
S4	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
Values, Autonomy, and Responsibility	
V1	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
V2	An ability to acquire and apply new knowledge as needed, using appropriate strategies
V3	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plans tasks, and meet objectives.