

Bachelor of Science in Mechanical Engineering (BSME)
ABET Student Outcomes and Course Mapping

SLO#	ABET Student Outcomes
SO 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
SO 2	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
SO 3	An ability to communicate effectively with a range of audiences
SO 4	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
SO 5	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
SO 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
SO 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Required EGME Classes

ABET Student Outcomes	ME 102	ME 205	ME 304	ME 306	ME 306	ME 308	ME 322	ME 331	ME 333	ME 335	ME 401	ME 407	ME 414	ME 419	ME 421	ME 431	ME 476	ME 476
SO 1 Identify, Formulate, and Solve Problems by Applying Math, Science and Engineering		X	X			X		X	X	X		X	X		X	X		
SO 2 Apply Engineering Design							X						X	X	X			
SO 3 Communicate Effectively	X			X	X		X						X	X			X	X
SO 4 Ethical and Professional Responsibility											X	X	X	X				
SO 5 Collaborative Teamwork				X	X								X	X			X	X
SO 6 Develop, Conduct, & Analyze Experiment				X	X									X			X	X
SO 7 Acquire and Apply New Knowledge											X		X	X				

For the most up-to-date information, please contact the program.