NORTH PARK UNIVERSITY

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Program Educational Objectives

The Program Educational Objectives (PEOs) for North Park University's Bachelor of Science in Mechanical Engineering are as follows:

1. Graduates will utilize their knowledge in mechanical engineering to address and resolve complex technical challenges effectively and ethically within professional settings.

2. Graduates will exhibit professional development through ongoing education, attainment of relevant certifications, or increased job responsibilities within their roles.

3. Graduates will make meaningful contributions to the community by focusing on public welfare, adhering to ethical standards, and considering the global ramifications of engineering solutions.

4. Graduates will demonstrate effective teamwork by employing robust communication skills to collaborate successfully with professionals from diverse backgrounds.

Program Student Learning Outcomes (PSLOs)

The mission of the program is to imbue all mechanical engineering graduates with:

(1) an ability to identify, formulate and solve complex engineering problems by applying principles of engineering, science and mathematics.
(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.
(3) an ability to communicate effectively with a range of audiences.
(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.
(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.
(6) an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
(7) an ability to acquire and apply new knowledge as needed, using appropriate learning

Enrollment in the Bachelor of Science in Mechanical Engineering Degree

	Academic Year		Enrollment Year					Total Undergraduate Students
			1st	2nd	3rd	4th	5th	
Current Academic Year	2024-25	FT	35	18	11	12	3	79
		PT	0	0	0	0	0	0
	2023-24	FT	41	7	16	10	1	75
		PT	0	0	0	0	0	0