



KFU

جامعة الملك فيصل
KING FAISAL UNIVERSITY
جامعة ووطن.. نماء.. واستدامة..

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

King Faisal University

College of Engineering

Department of Mechanical Engineering





1 PROGRAM OVERVIEW

1.1. Program Mission

The program provides its graduates with top quality education in engineering and preparing them to practice their professions competently to meet the ever-changing needs of society. Excellence and diversity in research are essential to our mission and build on our strong collaboration with industry, government & funding organizations.

1.2. Program Vision

To be a leading graduate program in mechanical engineering recognized for excellence in advanced education, high-impact research, and strong industry engagement, contributing to innovation, sustainable development, and the technological advancement of the Kingdom of Saudi Arabia and the global engineering community.

1.3. Program Objectives

The proposed Master's Program aims to achieve the following objectives:

- To create new opportunities for graduate education in the Eastern Province and help preparing engineering graduates to assume leadership roles in academic research as well as in the industry.
- To enhance research and development in the Kingdom and open a new window of collaborations with academic institutes and industry in the Kingdom.
- To train a pool of knowledgeable specialists who will be able to contribute positively to solving current and future problems of the society.
- To provide opportunities for continuing professional development for practicing engineers and applied scientists;
- Graduates of the Master of Science in Mechanical Engineering will, by the time of graduation:
 - Demonstrate a depth of knowledge in a wide variety of Mechanical engineering fields including Robotics and control, micro and nanomaterials, and energy systems;
 - Apply advanced mathematics and engineering knowledge in identifying, formulating and solving engineering problems.
 - Complete an independent research project, resulting in a thesis and other scholarly publications;
 - Recognize the need for, and engage in, lifelong learning.



2 PROGRAM INFORMATION

College	College of Engineering
Academic department	Mechanical Engineering Department
Name of the Program	Master of Science in Mechanical Engineering
Scientific Degree	Masters
Study Stream	Thesis Track Non-Thesis Track
Study Language	English
Study mode	On campus
Student status	Full-time student Part-time student
Program Duration	Thesis Track: 2 Years Non-Thesis Track: 2 Years
Number of Credit Hours	Thesis Track: 30 Non-Thesis Track: 30