



## PROGRAM STRUCTURE

\*Thesis Option (30 Credit Hours)

Category	No. of Courses	Credit Hours
Mandatory	4	12
Electives	4	12
Thesis		6

\*Non-Thesis Option (30 Credit Hours)

Category	No. of Courses	Credit Hours
Mandatory	4	12
Electives	5	15
Project		3

## DEGREE PLAN



## FEE STRUCTURE:

Admission Fee	SAR 660 ( excl.VAT )
Total Tuition Fee	SAR 80,000 ( excl.VAT )

## ADMISSION REQUIREMENTS

- ↳ A minimum GPA of 2.50/4.00 or equivalent in B.S in Mechanical Engineering.
- ↳ IELTS: 6.0 overall and 5.5 in each skill or equivalent TOEFL iBT.
- ↳ Two recommendation letter from the university/work
- ↳ Personal Interview.
- ↳ Student with Bachelor of Science degrees in closely related disciplines may apply.



## HOW TO APPLY

- ↳ Apply Online → Receive verification email
- ↳ Complete your online application → Receive Acceptance
- ↳ Pay the 1st installment



APPLY



PAY

## ADMISSIONS OFFICE

✉ graduateadm@pmu.edu.sa

☎ 800 1230 123 📞 +966 13 849 8880

IE/GM/BMP/COE Flyer 0036-2022



جامعة الأمير محمد بن فهد  
PRINCE MOHAMMAD BIN FAHD UNIVERSITY

## MASTER OF SCIENCE IN MECHANICAL ENGINEERING



كلية الهندسة  
COLLEGE OF ENGINEERING



WANT ?  
MORE INFO

PMU.edu.sa

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✉ mechanical.engineering@pmu.edu.sa

## INTRODUCTION



The Master of Science in Mechanical Engineering (MSME) program is designed for professionals interested in developing and acquiring knowledge beyond their Bachelor degree in order to improve their career prospects. The program is offered under the College of Engineering at PMU and is available with thesis or non-thesis options. Both options require a minimum of 30 credit hours beyond the bachelor degree, including 12 credit hours of required courses. Two specialties are available: Thermo-fluids track and Mechanical system track. This program reflects PMU's commitment to preparing future leaders by providing academic excellence and practical knowledge that meet the professional demands of the global workplace.

## PROSPECTIVE STUDENTS

The MSME program is dedicated to recruiting the highest caliber mechanical engineers willing to pursue their graduate studies, retaining them through guidance and direction, and graduating advanced level engineers who will compete and be recognized both locally and in a global society.

## PROGRAM OBJECTIVES

Graduates of the program will meet the professional expectations of national and international employers of mechanical engineers.

Graduates of the program will undertake leadership roles in their communities and/or professions.

Graduates of the program will pursue advanced studies and/or professional certification/training, if they so desire.

## CAREER OPPORTUNITIES

The MSME program trains graduates in the theory and practice of a broad range of industrially relevant topics. It is specifically designed to meet the needs of the modern engineers both in industry and in research.

**Jobs directly related to this degree include:**

- ✦ Energy Sector
- ✦ Thermal systems analysis and design
- ✦ Aerodynamics and Aero-Acoustics
- ✦ Manufacturing systems design and Analysis

## PROGRAM OUTCOMES

✦ Synthesize theories, concepts, tools, skills, practices, and research to address problems, accomplish complex tasks, and complete projects that are common in the industry.

✦ Demonstrate effective written and verbal communication skills that are professionally appropriate, promote mutual respect, and encourage healthy discourse.

✦ Demonstrate decision-making skills within the engineering context that are well-reasoned, based on evidence, and are both ethically and socially responsible.

✦ Lead, collaborate, and interact with others in diverse and globally dispersed environments based on a reflective knowledge of self and value-based interpersonal skills.

✦ Assess opportunities to sustain and improve an organization's competitive position in a dynamic and complex global marketplace by employing critical, creative, or strategic thinking.

✦ Compare the environment in which industry operates in Saudi Arabia and abroad through direct experience and interaction with local, regional, and multinational businesses.

## FACTS ABOUT THE PROGRAM

- ✦ 26 PhD faculty members
- ✦ Participants from international firms
- ✦ Salary range for Masters is between 12,000 SAR and 25,000 SAR a month

## CLASS TIMING:

Each course meets twice a week on evenings for the duration of a regular semester.

