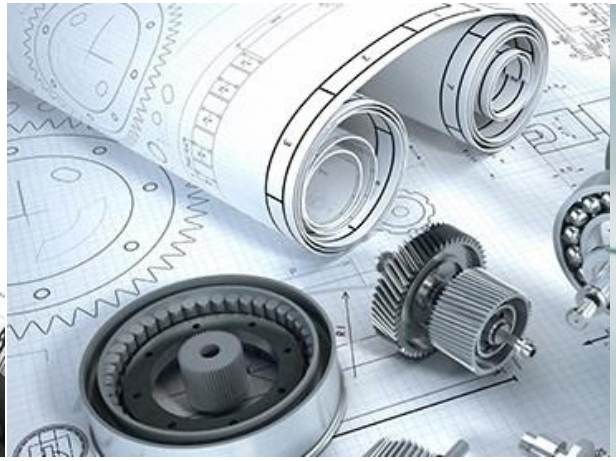
"Achieving academic and technological leadership in the field of Mechanical Engineering, contributing through academics and applied research, and participating in the development of society"

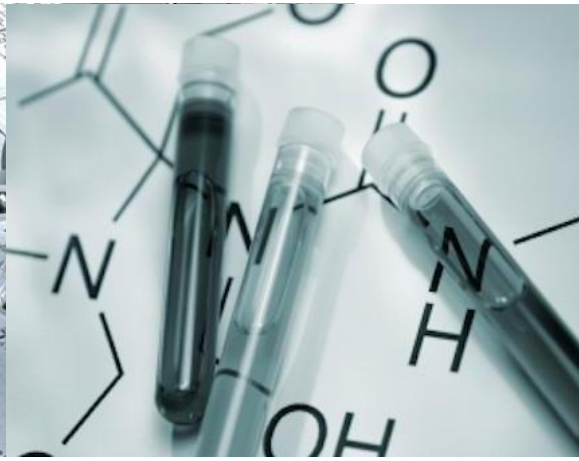
رؤية VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA

جامعة الملك خالد
KING KHALID UNIVERSITY

Program Handbook

Bachelor of Science in Mechanical Engineering





Dr. Yosef Abdulaziz Jazaa
Chairman, Department of Mechanical Engineering
College of Engineering, Building (B15)
King Khalid University, PO Box 394, Abha 61421
Email: me_dept@kku.edu.sa, yjazaa@kku.edu.sa
Phone: +966 172417241

The Bachelor of Science in Mechanical Engineering Program is accredited by the Engineering Accreditation Commission of ABET https://www.abet.org.

ABET Engineering Accreditation Commission

اعتماد كامل لبرنامج الهندسة الميكانيكية

The Bachelor in Mechanical Engineering Program is accredited by National Center for Academic Accreditation and Evaluation https://www.etec.gov.sa/en/ncaaa/

DEPARTMENT OF MECHANICAL ENGINEERING

Bachelor of Science in Mechanical Engineering Program Description

The Mechanical Engineering Department in the College of Engineering offers a single major track program, the 'Bachelor of Science in Mechanical Engineering.' The program (Curriculum Version 12 & 13) spans five years, divided into ten semesters. The first two semesters constitute a common first-year program before delving into core academic subjects within the department. Although there are no alternative tracks offered by the department, there are two main fields in the program where the student can specialize and meet the career opportunities in the field of mechanical engineering. The first one is the area of production/design engineering which includes materials science, design, manufacturing, etc. The second one is the area of power/energy engineering such as thermodynamics, heat transfer, fluid mechanics etc. The program adheres to the standards set by the National Centre for Academic Assessment and Evaluation (NCAAA) and the (Accreditation Board for Engineering and Technology) ABET, ensuring continuous improvement. It is accredited by both NCAAA and ABET until 2026.

Program Vision

Achieving academic and technological leadership in the field of Mechanical Engineering, contributing through academics and applied research, and participating in the development of society.

Program Mission

To prepare qualified mechanical engineers who are able to develop, innovate and compete in their professions, besides involving in scientific research and community services.

Program Goals

1. Improving teaching-learning process to produce competent graduates of internationally acceptable level with competitive technical knowledge, skills, and aptitude.
2. Maintaining the continuous interaction with the industries and community to enable the students to serve them for the sustainable developments.
3. Instilling the skill of research and developments in the students by linking the issues related to the industries and the community.
4. Providing hands on training and expertise to students on latest technologies/software by providing the state of art learning resources for their continuous personal and professional developments.

Program Educational Objectives (PEOs)

The Program, graduates are expected to achieve the following after a few years after graduation:

PEO1. Be creative, distinctive, and competent professionals capable of managing industrial establishments.

PEO2. Enhance personal skills and pursue professional development through continuous learning.

PEO3. Apply academic knowledge and conduct research in the field of Mechanical Engineering.

PEO4. Actively contribute to the sustainable development of the community.

Table 1. Mapping of the mission statements of MEP with the missions of the COE and KKU.

Keywords	KKU	College of Engineering	Department of Mechanical Engineering
Distinguished	A globally leading university committed to human empowerment, regional development, and economic enhancement.	To be a pioneer in engineering education, innovative research, and sustainable development of the community.	Achieving academic and technological leadership in the field of Mechanical Engineering, contributing through academic and applied research, and participating in the development of society.
Education			
Community			

Table 2 Mapping of the mission statements of MEP with the missions of the COE and KKU.

Mission of University	Mission of College	Mission of MEP
An invigorating academic setting that fosters knowledge creation and application, champions research and innovation, emphasizes societal responsibility, and advances sustainable development by maximizing our potential and resources.	To achieve academic excellence by providing adequate teaching-learning resources, motivating scientific research, and bring forth qualified engineers to serve the community.	To prepare qualified mechanical engineers who are able to develop, innovate, and compete in their professions, besides involving in scientific research and community services.

Table 3 Mapping of keywords appearing in the mission statements of KKU, COE and MEP

Keywords in the Mission of KKU	Keywords in the Mission of COE	Keywords in the Mission of MEP
• production and application of knowledge • stimulating • research and innovation • societal responsibility • optimizing our capabilities and resources	• academic excellence • qualified engineers • scientific research • serve the community • adequate teaching-learning resources	• qualified mechanical engineers • compete in their professions • scientific research • community services

Table 4 Alignment of MEP goals with that of COE and. KKU

BSc MEP Goals	College of Engineering Goals						KKU Goals					
	CG1	CG2	CG3	CG4	CG5	CG6	UG1	UG2	UG3	UG4	UG5	UG6
PG1	✓						✓					
PG2		✓				✓		✓			✓	✓
PG3			✓	✓				✓	✓			
PG4				✓	✓				✓	✓		✓

Graduate Attributes of the MSc in Mechanical Engineering Program

The graduate attributes of the Bachelor of Science in Mechanical Engineering Program are:

Code	Attribute	Interpretation
GA-P-1	Discipline Knowledge and practical skills	• Broad coherent knowledge in the area of design, production, energy engineering • Comprehensive knowledge and application of theories and principles • Ability to analyze, evaluate and solve problems
GA-P-2	Communication	• Communicate clearly and coherently the knowledge and the ideas in mechanical engineering • Convey ideas effectively through visual aids • Communicate effectively in more than one language
GA-P-3	Ethical Practice	• Understanding of professional and ethical responsibility • Acquisition of morals and values, national values and belonging • Being respectful, initiative, and committed to community development
GA-P-4	Critical Thinking	• Scientific, information, digital or technology literacy • Organizing information for specific purposes and assess its validity • A commitment to excel in all scholarly and intellectual activities, including critical judgement

GA-P-5	Creativity	• Demonstrate imagination, initiative, and enterprise in problem solving • Innovation and research through scientific and technological knowledge • Respond creatively to intellectual, professional, environmental, and social challenges
GA-P-6	Collaboration	• Engage with a diversity of people • Being active, adaptable and compromise for common goals • Collaborate effectively on personal, scholarly, and professional activities
GA-P-7	Confidence	• Initiate actions independently towards a common task • Make decisions, take initiatives and responsibility • Empower leadership, management, and entrepreneurship skills
GA-P-8	Lifelong learning	• Demonstrate cognitive and technical skills in self-managed learning • Openness to multi-disciplinary problems in engineering • Awareness and respect for cultural diversity and the relationship between people and their environment

Bachelor in Mechanical Engineering-V12

First Year - First Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
011ENG-6	Intensive English Program-1	-	6	6	12	--
107CHEM-4	General Chemistry	3	1	4	5	--
111IC1-2	The Entrance to the Islamic Culture	2	-	2	2	--
119MATH-3	Differentiation And Integration -1	3	-	3	3	--
201ARAB-2	Arabic Language Skills	2	-	2	2	--
Total Number of Hours		10	7	17	24	

First Year – Second Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
012ENG-6	Intensive English Program-2	-	6	6	12	011-ENG-6
CS102-3	Computer Applications	3	-	3	3	--
112IC1-2	Islamic Culture -2	2	-	2	2	--
129PHYS-4	Physics-1	3	1	4	5	--
219MATH-3	Differentiation And Integration-2	3	-	3	3	119MATH-3
Total Number of Hours		11	7	18	25	

Second Year – Third Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
111-GE-3	Engineering Drawing	-	3	3	6	--
211-GE-2	Learning skills	2	-	2	2	--
211-ME-3	Material Science	2	1	3	4	129PHYS-4 107CHEM- 4
212-ME-2	Engineering Mechanics (Statics)	2	-	2	2	--
219PHYS-4	Physics-2	3	1	4	5	129PHYS-4
229MATH-3	Differentiation and Integration-3	3	-	3	3	219MATH-3
Total Number of Hours		12	5	17	22	

Second Year – Fourth Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
202ARAB- 2	Arabic Editing	2	-	2	2	--
221-GE-2	Creativity and Innovation	2	-	2	2	--
221-ME-3	Production Technology and Workshop	1	2	3	5	111-GE-3
222-GE-3	Engineering Programming	-	2	2	4	CS102-3
222-ME-3	Thermodynamics-1	2	1	3	4	129PHYS-4 119MATH-3
223-ME-3	Strength of Materials & Testing	2	1	3	4	211-ME-3
319MATH-3	Differential Equations	3	-	3	3	219MATH-3
Total Number of Hours		12	6	18	24	

Third Year – Fifth Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
113IC1-2	Islamic Culture-3	2	-	2	2	--
218EE-3	Electric Engineering-1	2	1	3	4	129PHYS-4 119MATH-3
301NGL-2	Technical Reports Writing	2	-	2	2	012ENG-6
311-ME-3	Metal Cutting Processes	2	1	3	4	211-ME-3 221-ME-3
312-ME-3	Mechanical Engineering Drawing	1	2	3	5	111-GE-3
313-ME-2	Engineering Mechanics (Dynamics)	2	-	2	2	--
329MATH- 3	Linear Algebra	3	-	3	3	--
Total Number of Hours		14	4	18	22	

Third Year – Sixth Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
114IC1-2	Islamic Culture-4	2	-	2	2	--
321-ME-3	Theory of Machines	2	1	3	4	212ME-3 313ME-3
322-ME-3	Fluid Mechanics	2	1	3	4	222ME-5
328-EE-3	Electric Engineering-2	2	1	3	4	218EE-4
329STAT-2	Principles of Statistics and Probability	2	-	2	2	--
400-ME-0	Summer Internship	0	0	0	0	Completion of 86 credits
419MATH-3	Numerical Methods	3	-	3	3	319MATH- 5
*****	Global Elective					--
Total Number of Hours		13	3	16	19	

Fourth Year – Seventh Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
411-GE-2	Professional Ethics and Practice	2	-	2	3	--
411-ME-3	Machine Elements Design-1	2	1	3	4	223-ME-3 312-ME-2
412-ME-3	Metal Forming Processes	3	-	3	3	211-ME-3 221-ME-3
413-ME-3	Heat Transfer	2	1	3	4	322-ME-3
414-ME-2	Measuring Devices	1	1	2	2	321-ME-3
*****	General Elective-1					--
Total Number of Hours		10	3	13	16	

Fourth Year – Eighth Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
311-IE-2	Engineering Economy	2	-	2	2	--
421-ME-3	Machine Design	2	1	3	4	411-ME-3
422-ME-3	Thermodynamics-2	2	1	3	4	222-ME-3
423-ME-3	Hydraulic Machines & Fluid Power Systems	2	1	3	4	322-ME-3
424-ME-3	System Dynamics & Mechanical Vibrations	2	1	3	4	321-ME-3 319MATH- 3
Total Number of Hours		10	4	14	18	

Bachelor in Mechanical Engineering- V12

Fifth Year – Nineth Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
511-GE-2	Entrepreneurship and Venture Engineering	2	-	2	2	--
511-ME-3	Control Systems	2	1	3	4	424-ME-3
573-ME-4	Senior Design Project *(Continued to Next Sem.)**	-	4	4	8	--
*****	General Elective-2	2	-	2	2	--
*****	Program Elective-1	3	-	3	3	--
*****	Program Elective-2	3	-	3	3	--
Total Number of Hours		12	5	17	22	

Fifth Year – Tenth Level						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
411-IE-2	Engineering Management	2	-	2	2	--
*****	General Elective-3	2	-	2	2	--
*****	Program Elective-3	3	-	3	3	--
*****	Program Elective-4	3	-	3	3	--
Total Number of Hours		10	0	10	10	

General Elective-1,2,3						
Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
		Theory	Lab	Credit Hours	Contact Hours	Prerequisites
321-GE-3	Knowledge Management	3	-	3	3	--
322-GE-3	Design Thinking	3	-	3	3	--
323-GE-3	System Dynamics	3	-	3	3	--

Elective- 1, 2, 3, 4 (according to the tracks: 1 Production Engineering, 2 Power and Energy Engineering)							
Track	Course Code	Course Title	Weekly Distribution of Credit /Contact Hours				
			Theory	Lab	Credit Hours	Contact Hours	Prerequisites
Program Elective 1 and 2	531-ME-3	Internal Combustion Engines	2	1	3	4	413ME-5
	532-ME-3	Energy Conversion	3	-	3	3	422ME-5
	533-ME-3	Power Plants	3	1	3	4	413ME-5
	534-ME-3	Computer Aided Manufacturing	2	-	3	3	311ME-4
	535-ME-3	Mechanical Behavior of Materials	2	1	3	4	211ME-5
	536-ME-3	Composite Materials	3	-	3	3	211ME-5
Program Elective 3 and 4	541-ME-3	Energy Efficient Buildings	3	-	3	3	413ME-5
	542-ME-3	Desalination	3	-	3	3	422ME-5
	543-ME-3	Refrigeration and Air Conditioning	2	1	3	4	413ME-5
	544-ME-3	Fundamentals of Heat Treatment	3	-	3	3	211ME-5
	545-ME-3	Finite Element Analysis in Mechanical Design	2	1	3	4	421ME-4 419MATH-5
	546-ME-3	Nano technology	3	-	3	4	211ME-5

Syllabus & Study Plans

Study Plan V12

Study Plan V13

Mechanical Engineering Program Plan & Course Description

(Course Syllabus, Teaching, learning, and assessment strategies with integrity and grading policies)

https://clt.kku.edu.sa/sites/clt.kku.edu.sa/files/2025-04/Bylaws-for-Fees-and-Refunds-in-Paid-Academic-Programs.pdf

Important Handbooks and Guidelines

Academic calendar

Student Guide

Admissions Guide

International Student Handbook

University Policies

Academic Advising Guide

Specialization Guide

Study and Exam Regulations (1446)

E-Services Guide

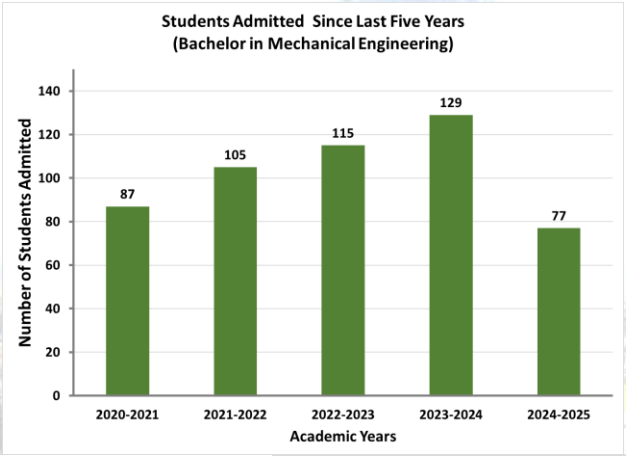
Graduation Guide

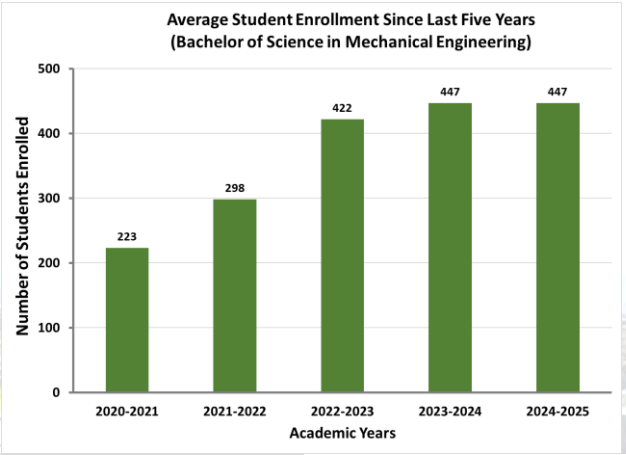
Student Conduct and Discipline Rules 1447H (2025-2026)

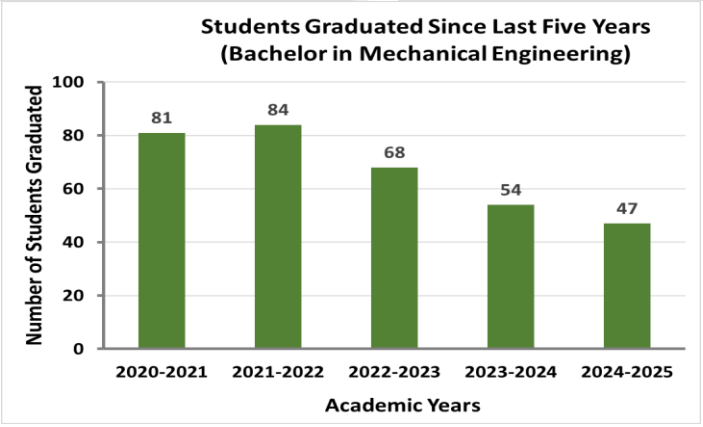
Safety guidelines

Bylaws for Fees and Refunds in Paid Academic Programs

Admissions, Enrolments and Graduation Statistics







Mechanical Engineering Program Learning Outcomes

Table 1: NQF Learning Domains and Program Learning Outcomes

PLO Code		NQF Learning Domains and Learning Outcomes	Graduate Attributes
Knowledge and understanding	PLO1.1	Identify integrated knowledge of engineering, mathematics, and natural sciences to solve complex problems.	GA-1
	PLO1.2	Describe solutions for complex engineering problems using specialized, up-to-date knowledge, while addressing public welfare, sustainability, economic factors, and real-world constraints in compliance with standards and codes.	
	PLO1.3	State complex engineering problems through experiments and data analysis, applying deep knowledge of materials, techniques, and practices to reach valid conclusions.	
	PLO1.4	Define sustainability, economic, environmental, political, health, safety, and societal factors in solving complex engineering problems.	
Skills	PLO 2.1	Apply engineering, mathematical, and scientific principles to solve complex mechanical engineering problems and validate solutions across diverse professional contexts.	GA-2
	PLO 2.2	Develop creative, standards-compliant solutions to complex problems by applying critical thinking across diverse professional contexts with real-world constraints.	GA-3
	PLO 2.3	Investigate complex problems by executing experiments, analyzing data, interpreting results, and applying engineering judgment, while	

		effectively using advanced tools, techniques, and materials in practical contexts.	
	PLO 2.4	Apply and adapt modern engineering, IT, and digital tools to solve complex problems, analyze data, and support research and projects by knowing their limitations.	GA-4
	PLO 2.5	Execute sustainability, economic, environmental, political, health, safety, and societal factors to solve complex problems across diverse disciplines and mechanical engineering professional contexts.	GA-5
	PLO 2.6	Apply project management, economic, and decision-making techniques while conducting research and investigations into complex problems.	GA-2
	PLO 2.7	Communicate engineering concepts, knowledge, and skills effectively to diverse audiences across theoretical and practical contexts.	GA-6
Values, Autonomy, and Responsibility	PLO 3.1	Uphold ethical, professional, and academic standards in engineering practice, making informed judgments while demonstrating responsible citizenship and respectful collaboration.	GA-4
	PLO 3.2	Lead and collaborate in multidisciplinary teams by applying project management, economic, and decision-making strategies, while responsibly conducting research and guiding team planning and evaluation.	GA-5
	PLO 3.3	Pursue lifelong learning through effective strategies to acquire and apply knowledge, while actively contributing to the advancement of the mechanical engineering discipline and society.	GA-4

Student Admission, Graduation Requirement, and Performance

In King Khalid University, the admission process for engineering courses follows the general guidelines established by the ministry of education which includes High School Certificate, Performance in Entrance Examinations, Good Conduct Certificate and Medical Fitness. The final score of the candidate is prepared by the Deanship of admission and Registration based on the score of his high school and entrance examinations as per the weights shown below.

- High school certificate score (30%)
- General Aptitude test score (QIYAS) (30%).
- Achievement test for Science Colleges score (TEHSILI) (40%).

Applicants are admitted to a college and program of their preference based on a merit list, subject to the availability of seats. Once seats are filled in a particular college/program, admission to that college/program is closed, and the remaining students must make their choices from other colleges. The following are the requirements:

- Attendance. (80%)
- Progression from year to year. (32 credit hours)
- Program completion or graduation requirements.

Student graduates after completing all graduation requirements according to the degree plan, provided that his cumulative GPA is not less than pass. If the student has passed the required courses but his cumulative

GPA is low, the College Council, based on the recommendations of the council of department concerned, is entitled to specify the appropriate courses that the student must complete to improve his GPA.
A student who gets (incomplete (IC)) or who is allowed to have an alternative test in one or more courses in his last level of his program, a single request should be sent to complete his graduation requirements. This semester will be his graduation semester. The following are the graduation requirements of a student in mechanical engineering program.

- Students must satisfy a total of 161 credit hours.
- Students must have completed a capstone design project.
- Student must have completed Co-op.
- Student must have a minimum cumulative GPA of 2.50 out of 5.

To receive a First honors degree and a second honors degree, the student should achieve a cumulative GPA of 4.75- 5.00 and 4.25-4.75, respectively. The rules of an honors degree are as follows:

- Students must not have failed in any course in this university as well as in other universities.
- The student must have satisfied graduation requirements within a duration ranging between the minimum and maximum limits of completing the program study.
- The student must have completed 60% or more of the graduation requirements at the university from which he graduates.

The student will be dismissed if he obtains a maximum of three consecutive academic probations as a result of his cumulative GPA being less than 2.00 (out of 5). To avoid dismissal, a maximum of 12 academic semesters is given for a student to achieve the required credit hours and GPA.

Mechanical Engineering Workshops and Laboratories

The computer laboratories are all located in the Ground floor of building A, in rooms 21, 23, 29, 30, and 35. Other various specialized laboratories beside the technical workshops are listed in the following Tables.

Table 2: ME Workshops of Mechanical Engineering Program

S. No.	Workshops	Room No.	Area (Sq Mtr)
1	Non-Conventional Machining Workshop	2-P-005	Included Conventional Machining Workshop
2	Metals Platting & Coating Workshop	2-P-002	143.4
3	Conventional Machining Workshop	2-P-005	312
4	Welding Workshop	2-P-002	160
5	Sheet Metal Working Workshop	2-P-002	
6	Foundry Workshop	2-P-002	311
7	Forging Workshop	2-P-002	
8	Carpentry Workshop	2-S-009	259
9	Metals Forming Workshop	2-P-003	390
10	Polymers Forming Workshop	2-P003	
11	Electricity Workshop	3-1-003	200
12	Automobiles Workshop	1-S-004	190

Table 3: ME Laboratories of Mechanical Engineering Program

S. No.	Laboratories	Room No.	Area (Sq. Mtr)
1	Machining Lab	2-P-004	Included in Conventional Machining Workshop
2	Sand Testing Lab	2-P-002	Included in Foundry and Forging
3	CNC Lab	2-009a	188
4	Strength of Materials Lab	2-S-007	Included in material science lab.
5	Theory of Machines Lab	2-S-016	160
6	Mechanical Design Lab	2-S-007a	
7	Systems Dynamic & Vibrations Lab	2-S-011	196
8	Automatic Control Lab	2-S-011	188
9	Materials Science Lab	2-S-007	249
10	Thermodynamic Lab	1-S-015	250
11	Refrigeration & Air Conditioning Lab	2-S-015	256
12	Hydraulic and Fluid Mechanics Lab	1-S-016	220
13	Heat Transfer Lab	2-S-005	201
14	Analysis of Materials Lab	2-S-007	261
15	Combustion Lab	2-S-016	190

Table 3: ME Laboratories used by Mechanical Engineering Department

S. No.	Computer labs	Room No.	Area (Sq. Mt.)
1	Computer Lab	1-G-004	195
2	Computer Lab	1-G-005	195
3	Computer Lab for Engineers	1-G-009	116
4	Computer Lab	1-G-008	195

Graduation Projects (First semester 2024-2025, 461)

S. No.	Title	Supervisor
1	Fabrication of Plasma Electrolyte Oxidation on Aluminum substrate	Dr. Ali Alkuzaim Alqaahtani
2	Design, Fabrication, and Testing of Composite Sandwich Structure Developed Using Fused Deposition Modeling Technology	Dr. Mostafa Abdelmohimen
3	Bio-inspired design in vacuum membrane distillation	Dr. Ali Anqi
4	Development of PLA-CF Filament and Protective Sports Parts Design	Dr. Ali Ahmad Rajhi
5	Modeling of Electromechanical systems	Dr. Saeed Althamer
6	Optimized High-Shear Blender Design for Efficient Graphene Exfoliation and Scalable Production of	Dr. Ali Alqahtani and Dr. Yousef Jazaa

Graduation Projects (Second semester 2024-2025, 462)

S. No.	Title	Supervisor
1	Experimental Investigation of a Small-scale Archimedes Wind Turbine	Dr. Sultan Alqahtani
2	Design and Fabrication of Medical Devices using 3D Printing to Optimize Mechanical Properties and Enhance Patient Comfort	Dr. Ali Ahmad Rajhi
3	Study of a wind turbine to harness the vehicles energy,	Dr Irfan Anjum
4	Performance Analysis of Geothermal Heat Pump,	Dr. Jaber Mohammed Dr Ahmed Saleel
5	Design and Modeling of an Active Vibration Control System for Smart Structural Applications Using Electromechanical Circuits	Dr. Saeed Thamer Al-Thamer
6	Design and Development of a Control system for a Self-Balancing Robot,	Dr. Sagr Alamri
7	Optimizing Thermal Performance in PC Using an Open-Loop Cooling System with Graphene Nanofluid Technology	Dr. Youssef Jazaa

Faculty

The Mechanical Engineering department has a process for hiring excellent faculty and staff members, for continuous professional development and for facilitating the research work. The Mechanical Engineering department comprises of faculty with high academic achievements and rich experience of teaching in various countries. In addition to the academic experience, many faculty members have experience in industries, consultancy works, and professional organizations. Faculty members are keen to do research and provide various trainings to the students to enhance their capabilities beyond the syllabus. The Mechanical Engineering faculty members also possess administrative experience at the college and the university levels. Some of the faculty members hold administrative positions at the College and University levels. The department head of the academic program is responsible for all aspects of management of the program, including curriculum development, student assessment, schedule of classes and accreditation matters. The department head discharges his duties through the various academic committees formed of specialized faculty members for different aspects of management of the program. The department head reports to the Dean of the college. The Dean is the administrative position responsible for all aspects of the academic process in the college of engineering.

Faculty Workload

The assigned workload of the faculty is as per the academic rank in accordance with the university regulations. The teaching load assigned to the faculty without any extra remunerations are as given below.

- Professor: 10 credit hours
- Associate Professor: 12 credit hours
- Assistant Professor: 14 credit hours
- Lecturer / Teaching Assistant: 16 credit hours

The faculty having the administrative responsibilities, in addition to the academic, is assigned lesser teaching load. The teaching load assigned is in line to support the faculty professional development, educational quality improvement activities and for facilitating their research work. The working hours are meant for teaching, research, academic advising, laboratory supervision, invigilation, and any other tasks assigned to them.

Faculty Size

Currently, the Department of Mechanical Engineering has about thirty-seven core faculty members which include Professors, Associate Professors, Assistant Professors, Lecturers and Teaching Assistants.

The current number of faculty and the ratio of students to faculty are significantly adequate to accommodate various needs of students including teaching (by introducing different sections as per the class size), reserving reasonable office hours for students, academic advising, etc. and to allow faculty members to perform other important tasks and duties related to administration, research, committees, professional development, etc.

In addition to the regular faculty, the teaching assistants are also appointed and some of them are sponsored by the University for their Higher Studies in abroad. The faculty members of Mechanical Engineering Department hail from diverse background and nationalities i.e. Saudi Arabia, Egypt, Tunisia, India, and Sudan. The list of faculty members is as given below.

- Professor: 04
- Associate Professor: 11
- Assistant Professor: 14
- Lecturer: 05
- Teaching Assistants 06

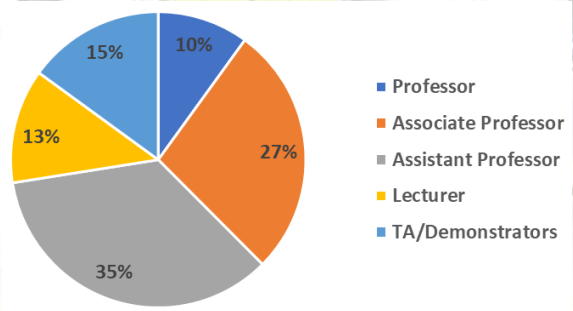


Table: Faculty Details

S. No	Faculty Name	Academic Position	Email
1	Dr Ali Khuzaim AlQahtani	Professor	alialgahtani@kku.edu.sa
2	Dr Salem Algarni	Professor	saalgarni@kku.edu.sa
3	Dr Irfan Anjum Magami	Professor	irfan@kku.edu.sa
4	Dr Vineet Tirth Ram	Professor	vtirth@kku.edu.sa
5	Dr Yousef Jazaa	Associate Professor	yjazaa@kku.edu.sa
6	Dr Ali Anqi	Associate Professor	aanqi@kku.edu.sa
7	Dr Saeed Althamer	Associate Professor	sthamer@kku.edu.sa
8	Dr Ali Rajhi	Associate Professor	arajhi@kku.edu.sa
9	Dr Sultan Saad AlQahtani	Associate Professor	ssqahtani@kku.edu.sa
10	Dr Sultan Dahman Alshehri	Associate Professor	salshehery@kku.edu.sa
11	Dr Saad Ayed AlShahrani	Associate Professor	saadayed@kku.edu.sa
12	Dr Sagr Alamri	Associate Professor	salamri@kku.edu.sa
13	Dr Talal AlQahtani	Associate Professor	talqahtani@kku.edu.sa

S. No	Faculty Name	Academic Position	Email
14	Dr Mustafa Abdul Mohimen	Associate Professor	mmhussien@kku.edu.sa
15	Dr Ahmed Saleel	Associate Professor	aveetil@kku.edu.sa
16	Dr Amir Arabi	Associate Professor	aarabi@kku.edu.sa
17	Dr Fahmi Gamaoun	Associate Professor	fgamaoun@kku.edu.sa
18	Dr Mohammed Yunus Khan	Associate Professor	mtatagar@kku.edu.sa
19	Dr Ahmed Saeed Zedan	Assistant Professor	ahafedh@kku.edu.sa
20	Dr Ibrahim Sisi	Assistant Professor	ieelseesy@kku.edu.sa
21	Dr Mohammed AbdulAziz Salem	Assistant Professor	moabdulaziz@kku.edu.sa
22	Dr Mohammed Abdul Ghani Elkotb	Assistant Professor	melkotb@kku.edu.sa
23	Dr Abhilash Edacherian	Assistant Professor	edalheriad@kku.edu.sa
24	Dr Jaber Asiri	Assistant Professor	jmjaber@kku.edu.sa
25	Dr Ali Ahmed AlQahtani	Assistant Professor	alahalqahtani@kku.edu.sa
26	Dr Javed Syed	Assistant Professor	jjaffer@kku.edu.sa
27	Dr Abdul Siddiq Shaik	Assistant Professor	ashaik@kku.edu.sa

S. No	Faculty Name	Academic Position	Email
28	Dr Sarfaraz Kamangar	Assistant Professor	ssaheb@kku.edu.sa
29	Dr Syed Waheedullah Ghori	Lecturer	sgori@kku.edu.sa
30	En Mohammed Shafiuddin	Lecturer	maldeen@kku.edu.sa
31	Azam Ali Mohammed	Lecturer	mazam@kku.edu.sa
32	Sohail Basha	Lecturer	spsyed@kku.edu.sa
33	Mohammed Mastoor Algethami	Lecturer	On higher education leave
34	Abdulrahman Alqhatani	Lecturer	On higher education leave
35	Abdul Rahman Algerni	Lecturer	On higher education leave
36	Muhammed Alberghi	Lecturer	On higher education leave
37	Mohammed Alzahrani	Lecturer	On higher education leave
38	Adel Saad Al Alghori	Teaching Assistant	On higher education leave
39	Ahmed Yahya Alghanem	Teaching Assistant	On higher education leave
40	Walid Saeed Mohammed Al-Wadaei	Teaching Assistant	On higher education leave

Contact Information:

Dr. Yosef Abdulaziz Jazaa
Chairman, Mechanical Engineering Department
College of Engineering, King Khalid University, Al-Faraa Campus, Building (B15)
PO Box 394, Abha 62223
Email: me_dept@kku.edu.sa, yjazaa@kku.edu.sa
Phone: +966172417241
Webpage: https://engineering.kku.edu.sa/en/node/248