DE MONTFORT UNIVERSITY DUBAI

MADE FROM MORE

Mechanical Engineering BEng (Hons)

SINCE 1870

www.dmu.ac.ae

@dmudubai

Why choose De Montfort University

Founded in 1870, De Montfort University (DMU) Leicester has grown into a global institution with 26,000 students and 2,600 staff. Our passionate and enthusiastic lecturers have excelled in the National Teaching Fellowship awards – the most prestigious awards for excellence in higher education. Our academics have industry experience, and our researchers have made a real difference in people's lives.

Our courses embed employability in their curriculum, and our research feeds into students' learning. DMU Leicester has been ranked in the top 20 universities for graduate prospects in The Sunday Times Good University Guide 2020. Previous DMU graduates have gone on to win Oscars and work with organisations such as the BBC, HSBC, Nike, BMW and the NHS. At DMU Dubai, we welcome students from all backgrounds and are proud to offer the perfect combination of award-winning teaching, excellent facilities and a fantastic student experience.

Schools and Departments

All De Montfort University (DMU) students belong to one of our four faculties. Each faculty delivers a wide range of courses to students, oversees world-changing research, and fosters enviable commercial links that inform our teaching and ensure DMU courses are relevant to modern employers.

The Faculty of Computing, Engineering and Media trains engineers, computer scientists and media technologists. From cyber security and games programming to electronic engineering and radio production, teaching and research are exceptionally varied and constantly updated and enhanced to ensure industry relevance.

Education 2030

We want to ensure you have the best learning experience possible and a supportive and nurturing learning community. That's why we're introducing a new block model for delivering the majority of our courses, known as Education 2030. This means a more simplified timetable where you will study one subject at a time instead of several at once. You will have more time to engage with your learning and get to know the teaching team and course mates. You will receive faster feedback through more regular assessment, and have a better study-life balance to enjoy other important aspects of university life.

TEF 2023 Silver Teaching Excellence Framework

Forage Top University for Work-Based Learning 2023 WINNER

EXCELLENT QS

Ofsted Good Provider

Course overview

Students will learn fundamental skills and knowledge by studying core modules such as Engineering Mathematics, Mechanical principles, and Machines and Mechanisms. These modules will provide students with a strong foundation in mathematical concepts and their application in engineering. Additionally, students will gain an understanding of mechanical principles and the functioning of various machines and mechanisms used in engineering applications. The optional modules in the curriculum include Design for 3D Printing, Bioengineering, and Emerging Materials and Processes to tailor the course to your interests. These modules allow students to explore specialised areas within engineering that align with their interests and career goals. Design for 3D Printing focuses on the principles and techniques of designing for additive manufacturing, while Bioengineering delves into the application of engineering principles in biology and medicine. Emerging Materials and Processes introduces students to technological advancements in materials science and manufacturing. By selecting the optional modules, students can customise their courses to suit their interests and aspirations in engineering. Modules such as Product Design, Project Management, and Engineering Business Environment equip you with the professional skills you need to work in the industry. Students will also benefit from

- Cutting-Edge Curriculum
- Expert Faculty
- State-of-the-art Infrastructure
- Hands-On Experience
- Networking Opportunities

Key features

- Study various topics, including computer-aided design, thermodynamics and heat transfer, solid mechanics, dynamics and control, materials engineering and processing, and fracture mechanics.
- The programme leaders are experienced professionals dedicated to ensuring students receive a high-quality education. They are readily available to answer any questions or concerns students may have regarding the accreditation process or the course content.
- Access to DMU's on-campus facilities, such as dynamic laboratories, mechanics and materials laboratories, engine test cells, and Rohde and Schwarz embedded systems laboratories.
- Open your career prospects across various fields, including aerospace, automotive, defence, energy, and product manufacturing.
- DMU Dubai students can now benefit from the Industry Advisory Board, which comprises leading experts and professionals at the enterprise level. The board provides valuable insights and guidance to ensure the curriculum remains relevant and current with industry trends and demands.

Teaching and assessments

Mechanical Engineering is taught by knowledgeable and experienced staff giving you the opportunity to gain a sound understanding of engineering principles along with the professional skills that will enable you to study successfully and embark on a rewarding career.

A variety of techniques are used throughout the Mechanical Engineering course with an emphasis on lectures, supporting tutorials and laboratory classes.

- Lectures: Engage in interactive lectures where you'll delve into the fundamental principles of mechanical engineering.
- Laboratory Sessions: Gain invaluable practical experience in our state-of-the-art laboratories.
- Workshops and Seminars: Attend workshops and seminars hosted by industry professionals.

Student-centred learning takes place through the research and presentation of findings, report writing, individual and group assignments and practical work-based exercises to develop your skills and understanding.

You will have access to computer and experimental laboratory facilities throughout the course, including industry-standard 3D design and FEA Analysis software.

You will normally attend around 12–16 hours of timetabled taught sessions each week, and are expected to undertake around 20 further hours of directed independent study and assignments as required.

Course	Mechanical Engineering
Award	BEng (Hons)
Duration	3 years
Mode	Full time
Delivery	Day
Intake	September
Annual Fees	AED 71,610 (including 5% VAT)

Scholarships and flexible payment plans available

Course modules

More info

First year (Level 4)
Block 1: Engineering Tools and Principles 1
Block 2: Engineering Tools and Principles 2
Block 3: Mechanical Design and Manufacturing 1
Block 4: Mechanical Design and Manufacturing 2

Second year (Level 5)
Block 1: Mechanical Principles
Block 2: Dynamic, Instrumentation and Control
Block 3: Mechanical Materials and Structures
Block 4: Design and Project Management

Third year (level 6)
Block 1: Advanced Mechanical Materials and Professional Practice
Block 2: Mechanical Energy Analysis
Blocks 3 & 4: Project based modules

*All modules are indicative and based on the current academic session.

Entry criteria

GCE A-Level: CCD
CBSE/ ICSE/ All Indian Boards:
Successful completion of Standard XII with a 65% average from the best four subjects excluding Hindi or any other local language, e.g. Punjabi, Gujarati, Tamil, Marathi
Interview any candidate with 60% or above.
American High School Diploma + SAT:
High School Diploma with a minimum GPA of 3.0 PLUS Advanced Placement, two subjects from group A with grade 3 or above ORSAT2 - 2 subject tests with a minimum score of 500 in each =1000
UAE Tawjihiyya: Entry to IYZ only
International Baccalaureate Diploma: 24 points
BTEC Level 3 Ext Diploma: DMM
African WAEC/ NECO/ WASSCE:
5 "B" grades (**Only for Business Programme**)
FBISE grade 12 (Pakistan): 85%
Curriculum Russian/Kazakhstan: Entry to IYZ only.

English requirements

- **IELTS**: 6.0 (minimum 5.5 in each band)
- **TOEFL Internet-based**: 72 (17 in listening & writing, 20 in speaking and 18 in reading)
- **Pearson PTE Academic:** 51

Students with other qualifications may also be considered. Please scan the QR code or contact Admissions Office for details

Enquire Now

Prof. Katie Normington
Vice-Chancellor
De Montfort University

Simon Bradbury
Pro Vice-Chancellor International
De Montfort University

Prof. Michael Gallimore
Head of Campus
De Montfort University Dubai

Mechanical Engineering Graduate careers

Mechanical Engineering students can go on to work in industries including aerospace, automotive, defence, and energy, as well as in product manufacturing and the food and beverage industries. The course also provides opportunities to pursue careers in broader areas of design, research and development, marketing, sales, production management and quality control.

Career support

Scholarships

Enquire Now

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DMU Dubai Admissions Office is open from Monday to Saturday 9am to 5pm

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Virtual Tour