

Bachelor of Science in Mechanical Engineering



DESIGN SMARTER, BUILD STRONGER, ENGINEER THE FUTURE

WHY STUDY BACHELOR DEGREE IN MECHANICAL ENGINEERING

A BSc in Mechanical Engineering is your gateway to a future of innovation, problem-solving, and global impact. As one of the most versatile engineering fields, it equips you with the skills to design, analyse, and improve mechanical systems across industries, from aerospace and automotive to energy and robotics. By choosing Mechanical Engineering, you become part of a dynamic and ever-evolving industry where your skills can shape the world. Whether you aspire to work in cutting-edge research, product design, or sustainable energy, this degree opens doors to endless possibilities.

Entry Requirements

Secondary level education (12 years) or equivalent. 80% is required in 3 Subjects: Math, Physics, and (Chemistry or Biology)

Curricula taught in English are exempted from English Language requirement.

For Ministry curriculum a grade of 80% for English language in high school or Academic IELTS with an overall score of 5.0 or equivalent is required.

(please check our website for more details www.buid.ac.ae)

PROGRAMME DESCRIPTION

The BSc in Mechanical Engineering at BUiD provides students with a strong foundation in engineering principles, thermodynamics, fluid mechanics, materials science, and machine design. Students gain hands-on experience through CAD modelling, engineering labs, and real-world projects, preparing them for careers in automotive, aerospace, energy, and manufacturing industries. The programme also covers robotics, control systems, and smart manufacturing, equipping graduates with the skills needed for modern engineering challenges.

CAREER PROSPECTS

As Mechanical Engineering graduate, you can pursue diverse careers at the intersection of technology, AI, and sustainability. Opportunities include roles in sustainable design and manufacturing, renewable energy systems, robotics and automation, and electric vehicle development. Students can also explore additive manufacturing, AI-driven mechanical systems optimisation, or environmental consulting. With skills in AI, data analysis, and sustainability, you can contribute to innovations like smart products, energy-efficient solutions, and green technologies. Industries such as renewable energy, automotive, aerospace, and robotics offer exciting pathways to align your career with global advancements and environmental goals.

ABOUT BUiD

The British University in Dubai (BUiD) was established by law number 5 in 2003, by His Highness the late Sheikh Maktoum bin Rashid bin Saeed Al Maktoum, Ruler of Dubai, as a not-for-profit entity. The University grew out of collaborations between British and Dubai academic, government and commercial organisations to make a unique contribution to the UAE and the Gulf region.

The academic support that BUiD enjoys from its alliance with Russell Group universities in the UK has contributed to its success. These universities include the University of Edinburgh, the University of Glasgow, and the University of Manchester - all in the world's top 100.

Scholarships are available - Please check our website www.buid.ac.ae

For Information



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