The BEng in Aerospace Engineering program is designed for students who aspire to transform high-quality Mechanical Engineering professionals into aerospace engineers. This program integrates fundamental education and practical laboratory skills to ensure high-caliber professionals in aeronautical and astronautical engineering. The curriculum covers both aspects of the field - aerospace and astronautical engineering. The program is centered on systematic and hands-on learning, which provides students with valuable real-world experience. Students will learn the importance of application of advanced manufacturing and design thinking in engineering solutions. If you are interested in aeronautical and astronautical engineering, this program is perfect for you.

Aerospace Engineering

• A unique curriculum grounded in fundamental knowledge and hands-on experience.
• State-of-the-art computing facilities.
• Out-of-classroom opportunities.
• World-class teaching facilities.

Mechanical and Aerospace Engineering

• In-depth Options:
  - Research Option
  - Materials Option
  - Engineering Design Option
  - Energy Option

• Overseas Exchange
• Internships
• Final Year Design Project

What is HKUST MAE?

HKUST MAE is a unique curriculum grounded in fundamental knowledge and hands-on experience. It provides students with the skills to design, develop, and test advanced aerospace systems. HKUST MAE is equipped with state-of-the-art computing facilities and offers opportunities for students to gain hands-on experience. The program covers a wide range of topics, from basic principles to advanced applications. If you are interested in aerospace engineering, this program is perfect for you.

Why HKUST MAE?

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To enhance students’ communication skills and widen their exposure to the industry, HKUST MAE provides a wide range of enrichment activities.

**Enrichment Programs**

The credit-bearing program allows the final year students to gain work experience and valuable engineering design skills through various industrial internships in the engineering sector. MAE students have worked with companies such as:

- Jardine Group (JEC)
- HK Ferry
- HAECO
- Compass
- CLP
- China Aircraft Services
- Technical University of Denmark
- Royal Institute of Technology, Sweden
- INP Grenoble, France
- University of Michigan, USA
- University of California Berkeley, USA
- Cornell University, USA
- UGL
- SAE
- MTR Corporation
- Johnson Controls
- Hong Kong & China Gas
- Johnson Controls
- AECOM Asia Engineering.

On the other hand, students can also gain international experience by participating in exchange programs with institutions such as:

- Tsinghua University, China
- Kyoto University, Japan
- KAIST, Korea
- Polytechnic University, Taipei, Taiwan
- Technical University of Denmark
- Royal Institute of Technology, Sweden
- University of Michigan, USA
- University of California Berkeley, USA
- Cornell University, USA

**CAREER PROSPECTS**

MAE graduates can gain hands-on experience in:

- Transportation Systems sector: Automotive Engineering, Engineering, Manufacturing, Companies include CATIA Paracel, MTR Corporation, PAE, etc.
- Building & Infrastructure sector: Architectural Engineering, Engineering, Manufacturing, Companies include ARB, AECOM Asia Engineering, MAE, etc.
- Design & Manufacturing sector: Automotive Engineering, Manufacturing, Companies include Ford, Ford, Ford, Ford, etc.
- Industry, and Automation Systems. Companies include ASM, Foxconn, etc.
- Construction & Building Services, E&M Systems. Companies include AECOM Asia Engineering, PAE, etc.
- Management. Companies include Arup, Hong Kong & China Gas, CLP, HK Energy sector:
- Engineering. Companies include Cathay Pacific, HAECO, HAESL, MTR, etc.
- Transportation Systems sector:
- Engineering. Companies include Cathay Pacific, HAECO, HAESL, MTR, etc.

**Admission**

Under the 4-year School-based Admission, all students will be admitted to the Engineering School in the first year of study. Students will be informed of the approximate department for their interest in line with their application selection exercise. Alternatively, students should apply for MAE via Major Selection Exercise.

**ACCREDITATION BY HKIE**

The BEng in Mechanical and Aerospace Engineering program is accredited by the Hong Kong Institution of Engineers (HKIE). It offers students an early connection to MAE related sectors for valuable insight and career advice. The scheme encourages students to participate in different competitions to gain experience, can lead to the status of Professional Engineer.

**Educational Research Opportunity Program (EROUP)**

EROUP provides a unique opportunity for undergraduate students to engage in academic research to help them develop a broad and insightful perspective of their areas of interest.

**Industrial Training**

This training scheme allows students to gain relevant work experience and understand the functioning of the industry.

**Mentorship Scheme**

The mentorship program matches final year students with experienced professionals in the industry to gain valuable insights and advice.

**International Exchange Program**

Students can gain international experience and widen their network by providing them with an opportunity to study and work abroad. MAE students have gained valuable exchange experiences and widen their network by providing them with an experience to study and work abroad. MAE students have gained valuable exchange experiences.