



# BEng (Hons) Mechanical Engineering (Bridging)

## Programme Details

### Final Qualification

BEng (Hons)

### Language of Study

English

### Mode of Study

Full Time

## Programme Structure

### Study Period

2 Years

### Total Credit Hours

81 Credit Hours

### Number of Courses

15 Courses

## Brief about the Programme

The Bridging Programme is open to students who have completed a diploma or associate degree in related disciplines from the Kingdom of Bahrain or an equivalent qualification from outside the Kingdom, provided the certificate is accredited by the relevant authorities in the issuing country. This programme is designed to meet current industry standards, particularly the Engineering Council UK (ECUK) Standard for Professional Engineering Competence (UK-SPEC). The curriculum focuses on strengthening students' numerical, analytical, and practical abilities, supported by an enquiry-driven and innovative mindset that employers highly value. Mechanical engineering is a broad and diverse field, offering many specialisations. This programme provides students with a strong foundation suitable for progressing into a wide range of mechanical engineering areas after graduation.

The programme leads to a dual award from the Applied Science University (ASU Bahrain) and London South Bank University (LSBU-UK).

## Aims of the Programme

1. Graduates will develop a systematic understanding of key topics including Dynamics, Thermofluids, Solid Mechanics, and Manufacturing, supported by Mathematics, Electrical Engineering, and Computing.
2. Graduates will acquire analytical abilities and competence in analysing mechanical components and systems.
3. Graduates will enhance their practical skills in manufacturing, measurement, and instrumentation techniques.
4. Graduates will develop self-awareness, reflective skills, independent judgement, and lifelong learning abilities.
5. Graduates will master project management and demonstrate creativity in problem-solving, project execution, and innovation-driven design.



**LSBU**  
London South  
Bank University



**ASU**  
جامعة العلوم التطبيقية  
APPLIED SCIENCE UNIVERSITY



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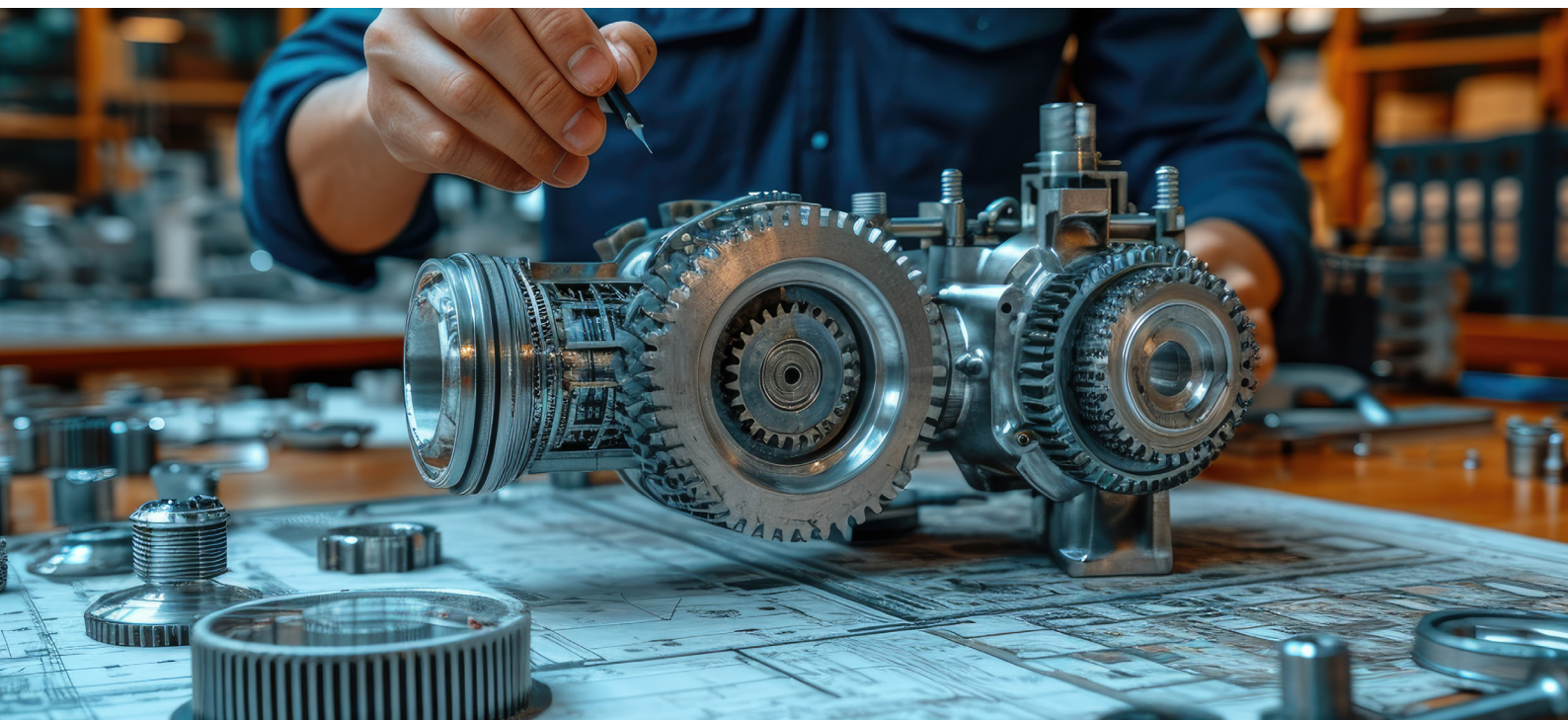
Enquiry

## Career Paths

1. Mechanical Engineer
2. Manufacturing Engineer
3. Automotive Engineer
4. Maintenance Engineer
5. HVAC Engineer
6. Robotics Engineer
7. Energy Systems Engineer
8. Quality Assurance Engineer
9. Industrial Engineer
10. Product Design Engineer

## Entry Requirements

1. The applicant must hold a diploma or associate degree from the Kingdom of Bahrain or its equivalent from outside the Kingdom, provided the qualification is accredited by the relevant authorities in the issuing country.
2. The applicant's cumulative GPA must be at least "Good" or its equivalent. Applicants with a lower GPA must provide evidence of at least one year of relevant professional experience or complete a number of remedial courses according to their specialization.
3. The applicant's previous specialization must qualify them to study in the programme they wish to join.
4. Applicants holding professional or vocational qualifications (such as National Diploma - ND, Higher National Diploma - HND, or equivalent) must complete remedial courses.
5. Required by their specialization, in addition to HEC compulsory courses where applicable.
6. The applicant must have obtained a score of 6.0 or higher in IELTS, or an equivalent qualification. (Free English-language support will be provided based on the initial OOPT test score.)



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