

BEng (Hons) Electrical and Electronic 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. The programme is designed to reflect developments in the electrical and electronic engineering industry, particularly the Engineering Council UK (ECUK) Standard for Professional Engineering Competence (UK-SPEC). The curriculum emphasises strong numerical and analytical skills, supported by advanced hardware, software, and simulation tools, alongside a creative and enquiry-based approach sought by employers.

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. Provide graduates with a comprehensive understanding of electrical and electronic engineering.
2. Equip graduates with strong competence in mathematics, circuit theory, digital and analogue systems, hybrid electronic systems, computer hardware/software, and control systems.
3. Enable graduates to analyse electrical and electronic engineering components and systems using advanced simulation techniques and select appropriate analytical approaches.
4. Strengthen graduates' practical skills, including design, measurement, and the use of advanced hardware and software tools.
5. Develop the ability to critically evaluate arguments, assumptions, abstract concepts, and incomplete data to make informed decisions and identify effective solutions.



The first university in the Kingdom of Bahrain to achieve global accreditation from the British Quality Assurance Agency for Higher Education (QAA)

Rated 5 Stars in the QS Rating System

Ranked 30th in the QS Arab Region University Rankings 2026

Ranked 613 in the QS World University Rankings 2026

Ranked 30+ Worldwide in the Times Higher Education University Impact Rankings



LSBU
London South
Bank University



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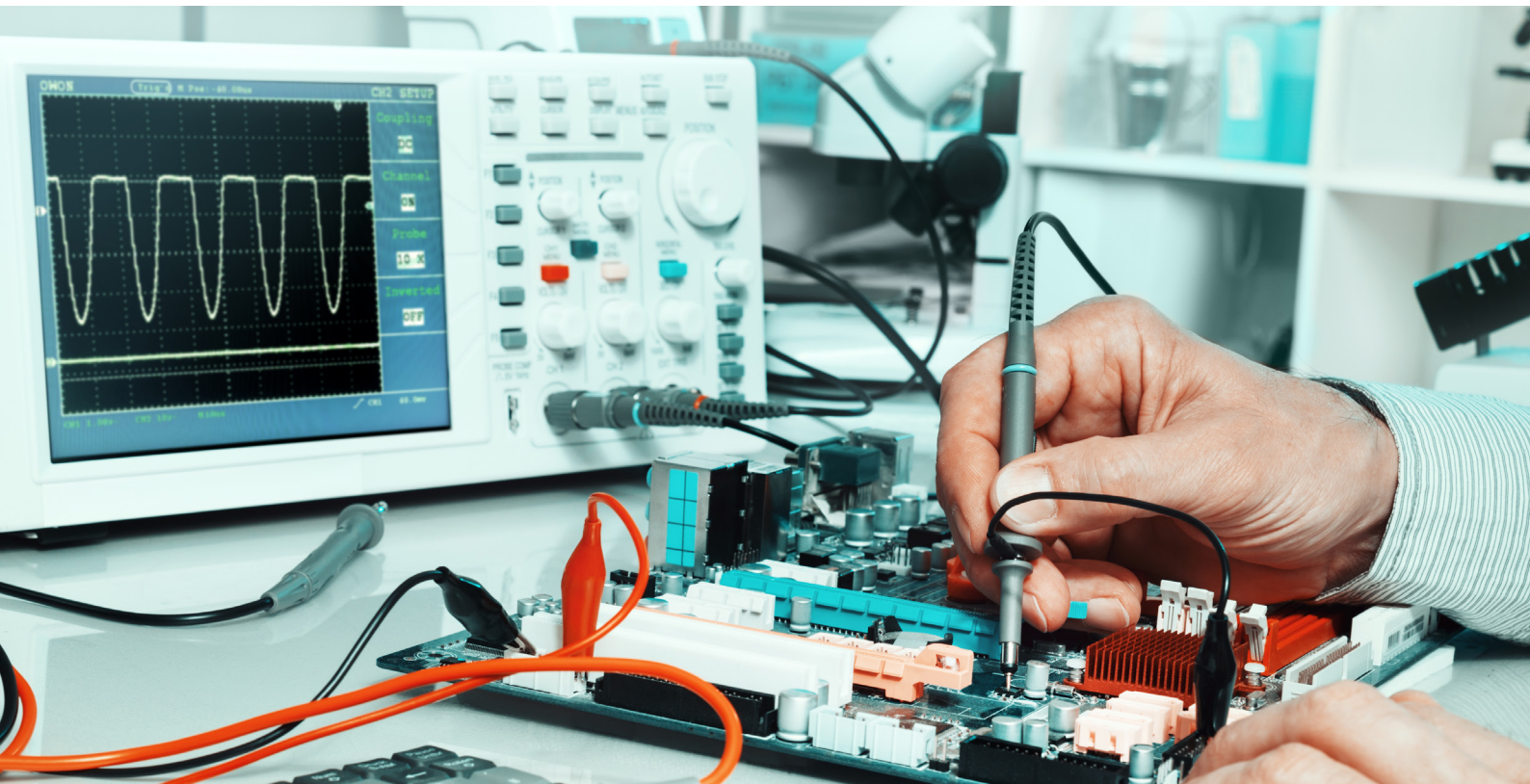
Enquiry

Career Paths

1. Electrical Engineer
2. Electronics Engineer
3. Power Systems Engineer
4. Telecommunications Engineer
5. Control Systems Engineer
6. Instrumentation Engineer
7. Renewable Energy Engineer
8. Embedded Systems Developer
9. Automation Engineer
10. Network 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 set 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) are required to complete a number of remedial courses according to their specialization, in addition to HEC compulsory courses where applicable.
5. 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 result.)



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