# BSc (Hons)

# ELECTRICAL AND ELECTRONIC ENGINEERING

As industry moves away from fossil fuels and competes to find the most sustainable way of conducting business, electrical and electronic engineers will be in higher demand than ever. Electronics is all about the components and software that comprise of electronic systems. Electrical engineering deals with the generation, distribution and use of electricity for everything from cars to cities. This degree combines our expertise in both disciplines.

During your studies, you will build practical skills in electronics and technical problem solving, and gain the professional knowledge to start your career in this fast-moving industry, with opportunities in power engineering, electronics, control systems and telecommunications.

The entry requirements for this degree is 104-112 UCAS points (including mathematics or a numerate science), and GCSE Maths / English at Grade C / Level 4.

## EXPLORE EMERGING TECHNOLOGIES

This unique course has been developed to teach you all aspects of electrical and electronic engineering, from analogue/digital electronics and digital signal processing to robotics and machine learning.

Module content also covers topics including machines and drives, power and control systems, automation, green power generation and hybrid and electric vehicles. This will give you the opportunity to explore some of the most exciting current developments and the future potential within the industry.

## GAIN HANDS-ON EXPERIENCE

During your studies, you will have access to outstanding experimental facilities, including a modern electronics lab, an automotive lab and a robotics lab, where you will find the latest industry-standard equipment and software.

You will also have the opportunity to put your skills into practice and gain real-world context for your studies, by including an optional placement year between years two and three of your degree.

## BENEFIT FROM INDUSTRY-LED TEACHING

Taught by internationally-recognised engineers and researchers, this course will help to prepare you for an exciting career in electronic design and consultancy. You will also benefit from the engineering department's strong industry connections and research into innovative and emerging technologies.

SCHOOL OF
**SCIENCE, ENGINEERING & ENVIRONMENT**

Find out more: **salford.ac.uk/electrical-and-electronic-engineering**

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