Robotics and Artificial Intelligence

University of Glasgow

Venues

Gilmorehill Campus

Content

Year 1
The first year will follow the common curriculum of core courses delivered to all engineering programmes (such as mathematics, dynamics, materials and thermodynamics), along with specialised courses in electronics, manufacturing and engineering skills. These provide the foundation for the study in robotics and artificial intelligence in the years to follow.

Years 2 and 3
In year 2 you will further develop your skills in mathematics, dynamics and electronics. You will also study key skills in digital and analogue electronics, systems theory, embedded processor, programming, and electromagnetism and power electronics. These courses will prepare you for the interdisciplinary studies that form the Honours years curriculum. You will be introduced to engineering and team skills.

Year 3 will enhance the knowledge of dynamics and system theory through the study simulation, control, dynamics and communications, which are crucial in the study of robotics. You will study advanced programming and software engineering as the basis for the artificial intelligence theme. In addition you will study power engineering and electromagnetic compatibility which are essential for any robotic system.

Year 4
In year 4 the core courses are in robotics, machine learning and AI. You will be able to tailor your degree by choosing appropriate optional courses.

You will undertake an individual project in year 4 which will cover robotic & AI themes.

Start Date

September

Qualification

Degree

Study Method

Full time

Award Title

BEng Hons

UCAS Code

H760

Course Length

4 years

Faculty

College of Science and Engineering

Department

James Watt School of Engineering

Entry Requirements

2027 entry requirements

Standard entry: 5 Highers at AAAAA (by end S6 with min AAAB after S5) including Maths and Engineering Science or Physics at A.

Widening access entry: 4 Highers at BBBB or AABB (by end of S6) including Maths and Engineering Science or Physics. Completion of pre-entry programme is necessary.

SCQF Level

10

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse» «htmlCombinationUCASCode»

Address

University Avenue
Glasgow
G12 8QQ

Website

www.gla.ac.uk