

Sports Design Engineering

University of Strathclyde

Content

Sports design engineering concentrates on the conception, design and manufacturing of sporting equipment. Sports engineers work in nearly every sport, creating designs that meet specialised specifications to improve athlete performance, safety and sports product durability.

For example, sports engineers could be involved with projects as diverse as designing new high specification football boots or fitness monitoring and improvement products, match and playing surface analysis equipment to developing image processing algorithms which act as analytical tools to determine strategic instances in a game.

Year 1: anatomy and physiology for biomedical engineers, design, production engineering and management and technology concepts.

Year 2: topics in design, sports engineering, production techniques and biomechanics of human movement.

Year 3: classes cover engineering design, physiology of aerobic exercise, product development, product programming, mechatronics design and applications and integrating projects.

Years 4 and 5: individual project and industry-based product development group project; advanced design classes, sports injury and rehabilitation, advanced topics in human movement, and optional classes in advanced related subjects.

Start Date

October

Qualification

Degree

Study Method

Full time

Award Title

MEng

UCAS Code

HC17

Course Length

5 years

Faculty

Faculty of Engineering

Department

Design, Manufacture and Engineering Management

Entry Requirements

2027 entry requirements:

Standard entry:

4 Highers at AAAA including Maths and Engineering Science or Physics plus English at National 5 (Higher preferred). Higher Art and Design, Design and Manufacture or Graphic Communication recommended.

Widening access entry:

4 or 5 Highers at ABBB or BBBBB including Maths and Engineering Science or Physics plus English at National 5 (Higher preferred). Higher Art and Design, Design and Manufacture or Graphic Communication recommended.

A Foundation Apprenticeship is accepted in place of a non-essential Higher.

SCQF Level

11

Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

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Website

www.strath.ac.uk