

Design Engineering with Sustainability

University of Strathclyde

Content

This course addresses the issues associated with a rapidly changing market and the demands for better, cheaper and personalised products, developed within the shortest possible time.

Ecological and 'green' constraints weigh significantly on engineering designers already and these pressures are likely to increase very significantly during the careers of today's students. We consider the need for significant change in the design philosophy employed in industrialised manufacture and product development as well as responses to those pressures including legislation and standards, alternative processes and materials and design for resource economy at small and large scale.

Design engineers are problem-solvers who bridge the gap between traditional engineering and design. It's a discipline that draws on knowledge of product development, technical design, manufacturing techniques and rapid prototyping to bring new innovations to market. It also focuses on improving existing products and the processes used for making them.

Design engineering has also developed many of the most important systems and services, from individual right up to global and universal scales. These systems have supported radical scaling up of human activity in a huge range of areas.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Full time

Award Title

MSc

Course Length

12 months

Faculty

Faculty of Engineering

Department

Design, Manufacture and Engineering Management

Entry Requirements

For the MSc, a first or second-class Honours degree, or equivalent, in a relevant engineering, technology or science discipline.

SCQF Level

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Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

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