

Smart Systems Integration (Erasmus Mundus)

Heriot-Watt University

Venues

Edinburgh Campus

Content

The MSc in Smart Systems Integration (SSI) is being offered by a consortium consisting of three reputable European institutions: Heriot-Watt University in Scotland (HW), Vestfold University College in Norway (HiVe) and Budapest University of Technology and Economics in Hungary (BME). Together we are introducing this new two-year Joint International Master programme.

SSI has been developed to meet the present and future needs in manpower from the increasingly industry relevant area of MicroSystems Technology (MST). Smart Systems are defined as self-sufficient intelligent sub-systems with advanced functionality, enabled by underlying micro-nano-and bio-systems and components.

Semester 1 (Heriot Watt): Sensors and actuators; Fundamentals of smart systems integration; Advanced packaging and integration; Language and culture.

Semester 2 (Vestfold University): measurements and characterisation; Manufacturing processes for smart systems; Micro and nano biological systems; Language and culture.

Semester 3 (Budapest University): System level design; Complex design; IC and MEMS co-design and design laboratory; Language and culture.

Semester 4 (Research and training): MSc project.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Full time

Award Title

MSc

Course Length

2 years

Faculty

School of Engineering and Physical Sciences

Department

Electrical, Electronic and Computer Engineering

Entry Requirements

First degree (outstanding achievement) which should be in either electrical engineering, electronics, computer engineering, physics, materials science, mechanical engineering, biomedical engineering or a closely related discipline. The candidate will have to justify an equivalent of B in the European standard (corresponding to a minimum of 2.1 honours in the United Kingdom).

SCQF Level

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Progression Routes

«ProgressionRoutes»

Combination Courses

«htmlCombinationCourse»

«htmlCombinationUCASCode»

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk