

Photonics and Optoelectronic Devices (in conjunction with the University of St Andrews)

Heriot-Watt University

Venues

Edinburgh Campus

Content

The photonics research groups in the physics departments of Heriot-Watt and St. Andrews Universities are internationally renowned, and have many links with industrial and university groups around the world. Major activities are based around optoelectronics, laser development, semiconductor physics, materials technology, ultra-fast phenomena, modern optics, and instrumentation. This expertise is brought to the teaching of our one-year taught MSc course.

Previously called Optoelectronic and Laser Devices, this MSc course has been updated and enhanced, recognising the explosive growth of the UK and global photonics industry, fostered by the world-wide expansion in the exploitation of optical in telecommunications.

Students spend one semester at each university, and then undertake a three-month research project, normally in a UK company. Companies participating in recent years include Bookham Technologies, BAE Systems, Edinburgh Sensors, Cambridge Display Technology, Defence Science and Technology Laboratory, Indigo Photonics, Intense Photonics, Kamelian, Nortel, Renishaw, Rutherford Appleton Laboratory, Thales, Sharp and QinetiQ.

Start Date

September

Qualification

Postgraduate Master's

Study Method

Part time (day)

Award Title

MSc

Course Length

24 months

Faculty

School of Engineering and Physical Sciences

Department

Physics

Entry Requirements

You are expected to have a first or second class honours degree in physics, applied physics, electronic engineering, or equivalent qualifications. Lesser qualifications combined with relevant industrial experience may also be suitable.

SCQF Level

11

Address

Edinburgh
EH14 4AS

Website

www.hw.ac.uk