MSc Optical Fibre Technologies
Many of the major developments in today’s global optical fibre infrastructure were pioneered at the Optoelectronics Research Centre (ORC). These developments include the optical fibres and optical amplifiers that power the internet, a variety of optical fibre sensor technologies, and the fibre laser used for a range of applications in fields as diverse as manufacturing, medicine, and defence. In addition, several of these technologies were originally commercialised through spin-out ventures from the ORC.

Our MSc Optical Fibre Technologies programme offers a great opportunity to be taught, first-hand, by some of the world’s leading experts on optical fibre technology in areas ranging from fibre design and fabrication, fibre telecommunication, fibre lasers, and fibre sensors including fibre devices such as gratings and tapers.

Our programme teaches the core concepts of these technologies and then focuses on their application in real-world settings via a series of specialist modules. These include a number of optional modules on Enterprise, Entrepreneurship and Innovation offered within the Southampton Business School, and a 4-month optical fibre laboratory-based project in the final semester, providing students with hands-on experience of cutting-edge research.

**Key facts**

**Programme Director:** Dr Morten Ibsen

**Entry requirements:** minimum upper second-class degree, or overseas equivalent, in a relevant subject (e.g. physics, electronics, engineering, materials science or mathematics)

**English language:** IELTS 6.5, with a minimum of 6.0 in each component; for information on other accepted English Language tests, please visit www.southampton.ac.uk/admissions_language

**Duration:** one year (full-time)

**Assessment:** coursework, examinations and project

**Start date:** September

**Applying:** University application form with transcript

**Closing date:** none, but early application advised

**Fees:** www.southampton.ac.uk/pgfeesandfunding

For further information on this course, please search: ORC MSc Fibre

www.orc.southampton.ac.uk