

Addendum to the Programme Specification

8243 MSc Optical Fibre and Photonic Engineering

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the relevant Programme Specification from the year you started your programme.

[Programme Specification for entry in 2020-21](#)

University level information

In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

Programme Information

The MSc project module, OPTO6012, will feature access to the cleanroom complex and ZI laboratories if local and national guidelines allow. The Industrial Showcase, which is part of the project module, will still involve interaction with local photonics industry, but the interactions may take place via telepresence rather than by physical visits to companies, depending on regulations at the time.

The MSc practical course, OPTO6023, will operate under social distancing regulations, and the selection of practical experiments available will depend on current regulations on access to different areas of the lab.

Programme Structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

Programme:	MSc Optical Fibre & Photonics Eng - 8243
Term:	2020-2021 Academic Session (202021)
Area title:	8243-1 - MSc Optical Fibre & Photon Eng

Compulsory Modules

You must complete the following modules:

Module	Module Title	Credit	Core?	Semester/Term
OPTO 6002	Advanced Lasers	15	No	Semester 2
OPTO 6008	Optical Fibres	15	No	Semester 1
OPTO 6010	Advanced Fibre Telecoms	15	No	Semester 2
OPTO 6011	Optical Fibre Sensors	15	No	Semester 2
OPTO 6012	Project	60	Yes	Non-Standard
OPTO 6023	Photonics Lab and Study Skills	15	No	Semester 1
PHYS 6024	Lasers	15	No	Semester 1

Optional Modules

You must choose from the following modules:

Module		Credit	Semester/Term
Rule OPTIONAL	Select 2 modules		
Rule SEMESTER 1	Select 1 Semester 1 module		
ELEC 6201	Microfabrication	15	Semester 1
ELEC 6203	Microsensor Technologies	15	Semester 1
ELEC 6218	Signal Processing	15	Semester 1
OPTO 6007	Silicon Photonics	15	Semester 1
PHYS 3003	Light and Matter	15	Semester 1
Rule SEMESTER 2	Select 1 Semester 2 module		
ELEC 6208	Bio/Micro/Nano Systems	15	Semester 2
ELEC 6219	Wireless and Mobile Networks	15	Semester 2

PHYS 6014	Nanoscience: technology and advanced materials	15	Semester 2
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