

MANCHESTER  
1824

The University of Manchester

School of Mechanical,  
Aerospace and Civil  
Engineering

Postgraduate studies

MSc

Study  
with us

[www.manchester.ac.uk/mace](http://www.manchester.ac.uk/mace)

### Postgraduate Taught

MSc 1

CDT 4+

MSc by Research 1

MPhil 1+

PhD 3+

A Master of Science is an extensive 12 month programme which involves students having to achieve 120 credits of taught material and 60 credits assessed through a project or dissertation. Our masters programmes are designed to support both research activities and industrial needs. Our portfolio of programmes reflects the strengths of the academic disciplines within the School. Our programmes are listed below:



### Technical MSc

Our programmes integrate advanced engineering techniques with hands-on learning to provide a complementary blend of skills desired by employers.

We offer world-leading MSc Programmes in:

- » Advanced Manufacturing Technology and Systems Management
- » Aerospace Engineering
- » Mechanical Engineering Design
- » Reliability Engineering and Asset Management
- » Structural Engineering
- » Thermal Power and Fluid Engineering
- » Renewable Energy and Clean Technology

Students are taught by international leading researchers and engineers at the forefront of knowledge.

We work closely with key industrial partners; a collaboration that ensures our teaching is continuously informed and shaped by real-world practice.

[www.mace.manchester.ac.uk/study/postgraduate-taught](http://www.mace.manchester.ac.uk/study/postgraduate-taught)

### MSc Management of Projects

The **MSc in Management of Projects** offers students the opportunity to study a broader domain than a traditional project management course. This includes defining the right project to work on by considering the many issues that relate to delivering successful projects.

Students have the opportunity to study on the core programme or can select one of three other pathways:

- » Commercial Project Management
- » Construction Project Management
- » Engineering Project Management

### Professional Development Programmes

#### Project Management Professional Development Programme (PMPDP)

An industry led partnership concerned with practice based learning for project management development.

[pmpdp-enquiries@manchester.ac.uk](mailto:pmpdp-enquiries@manchester.ac.uk)

#### Nuclear Technology Management Professional Development Programme (Nuclear-PDP)

A 3-6 year part-time continuing professional development programme for experienced practitioners and new graduates in the nuclear energy industry.

[npdp-enquiries@manchester.ac.uk](mailto:npdp-enquiries@manchester.ac.uk)

#### Reliability Engineering and Asset Management (REAM)

A continuing professional development course (or 1 year MSc) for maintenance and asset managers. Also available part-time or by distance learning.

[www.mace.manchester.ac.uk/business/cpd/ream](http://www.mace.manchester.ac.uk/business/cpd/ream)

#### Short Courses

[www.mace.manchester.ac.uk/business/cpd](http://www.mace.manchester.ac.uk/business/cpd)

+44 (0) 161 306 4616 (Contact for all PDP enquiries)

### About the school

One of Europe's leading schools of engineering

Ranks 3rd in the UK in engineering and technology

More than 400 taught full-time and part-time postgraduate students

Nearly 200 years of expertise in engineering

A significant proportion of our research is practically based, and funded by industry, which ensures that teaching on our undergraduate and postgraduate programmes is up-to date and world-leading

### Industry

We have extensive links with industry as indicated by members of our Industrial Advisory Board: Rolls Royce, Quarnndon Cognition, EDF Energy, Nuclear Regulation, Jaguar Landrover, National Instruments Lab, Basell Polyolefins, Nexia Solutions, National Nuclear Laboratory, BAE Systems, BP and Astra Zeneca.

The Industrial Board works with the School to ensure our teaching is relevant to the engineering industry and offers placements to students. Our links to industry, health services and charities accelerate our research impact, quickly transforming theory into real-world solutions through our research centres and are often funded by industry.

- » Laser Processing Research Centre (LPRC)
- » Modelling and Simulation Centre
- » Tyndall Manchester
- » Rolls-Royce Nuclear University Technology Centre
- » Dalton Nuclear Institute
- » Centre for Nuclear Energy Technology (C-NET)

[www.mace.manchester.ac.uk/our-research/centres-institutes](http://www.mace.manchester.ac.uk/our-research/centres-institutes)

### Employability

Our graduates are in demand in the work place. According to recent research we are one of the most targeted universities by Britain's top graduate employers (The Graduate Market in 2013, High Flyers Research 2014).

With a comprehensive range of courses, an excellent learning environment, close links with industry and dedicated staff, we can offer our students an unrivalled opportunity to progress in their chosen field and become well equipped for a career in engineering.

### Heritage

The Manchester Mechanics' Institution was created in 1824 by a group of Manchester's business leaders in reaction to a rapid increase in the city's population and the need to educate working men in basic principles of science.

Over the years the University has further evolved and in 2004 The Victoria University of Manchester and UMIST merged to form The University of Manchester, the largest higher education institution in the UK.

The University of Manchester holds a special place in history. Our origins as England's first civic university are closely linked to Manchester's development as the world's first industrial city.

Throughout our history we have led the way and helped shape the modern world through discovery, ideas and knowledge.

### Contacts

Student Recruitment and Admissions  
School of Mechanical, Aerospace and Civil Engineering  
The University of Manchester, M13 9PL.

+44 (0) 161 306 9219

[pg-mace@manchester.ac.uk](mailto:pg-mace@manchester.ac.uk)

[www.mace.manchester.ac.uk/study/postgraduate-taught](http://www.mace.manchester.ac.uk/study/postgraduate-taught)

Facebook: [www.facebook.com/UoMMACE](http://www.facebook.com/UoMMACE)

Twitter: [twitter.com/School\\_of\\_MACE](https://twitter.com/School_of_MACE)

We have regular guest seminars with speakers from industry and some companies come to make presentations to students as part of their recruitment strategy. We also have several companies who offer industry-focussed dissertation topics