

Polymer Materials Science and Engineering

MSc, PG Diploma, PG Certificate

This masters course covers a wide range of industry-relevant subjects, including:

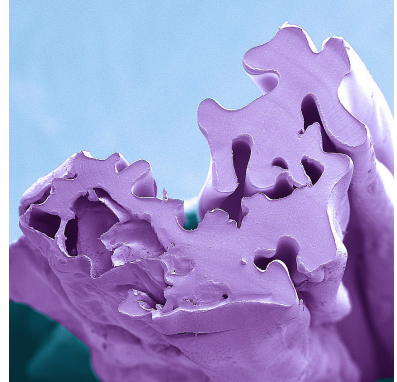
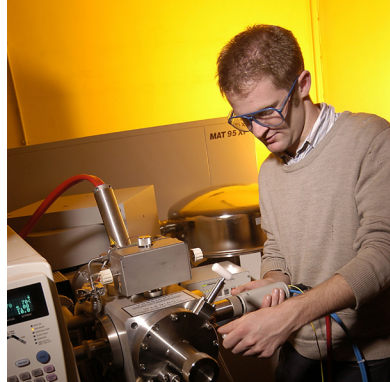
- Control and Design of Polymerisations
- Polymer Characterisation
- Structure and Mechanical Properties of Polymers
- Polymer Processing
- Engineering Design and Communication
- Soft Matter and Nanotechnology
- New Directions in Polymerisation

This MSc course is part of the Manchester Materials Masters (MMM) programme, all MMM courses are available in full-time, part-time and online distance-learning format. Scholarships are available.

The School of Materials at The University of Manchester is the largest school for Materials Engineering in Europe, it is rated 5* for research and offers an unrivalled breadth of research in Materials Science.

For an informal discussion about your options for study, call +44 (0)161 306 4826 or email pg-materials@manchester.ac.uk

www.manchester.ac.uk/materials/postgraduate



Polymer Materials Science and Engineering

Who is this programme for?

- graduates from chemistry, physics, materials and engineering backgrounds who wish to specialise in polymer science and technology.
- students and professionals in industry who require the knowledge and skills in basic polymer syntheses, polymer processing, structural characterisation, properties and polymer engineering design and manufacture.

Entry requirements

2.2 UK Honours degree or equivalent, or an approved combination of educational qualification and industrial experience.

English language

TOEFL >570; IELTS >6.5

The University offers three, five and 10-week pre-session English language courses.

Scholarships

If you study the Polymer Materials Science and Engineering MSc full-time then you may be awarded one of the Manchester Materials Masters Scholarships.

UK / EU students can be awarded up to 100% of their tuition fee plus a maintenance award. Overseas students can be awarded a part-tuition fee scholarship.

Careers

The majority of graduates of this programme go on to fill key posts as polymer materials scientists, technologists, engineers, managers and consultants in academia, industry and research and development. Some advance to PhD degrees within the School.

How to apply

You can apply online now at:

www.manchester.ac.uk/postgraduate/howtoapply

Contact us

For further information, you can email or call us:

pg-materials@manchester.ac.uk

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The masters course in Polymer Materials Science and Engineering, offered in partnership with the School of Chemistry, is multi-disciplinary: it provides Chemists, Materials Scientists and Engineers with a rich understanding of both traditional commodity plastics and speciality polymers with increasing applications in the biomedical and pharmaceutical fields, and in electronics and nanotechnology. The full range of issues, from fundamental polymer science, through polymer processing, to manufacturing are all covered.

Programme content and delivery

The programme consists of discrete taught units, in short-course format, followed by a dissertation project (MSc) or short project report (Diploma). Postgraduate qualifications are awarded at Masters, PG Diploma and PG Certificate levels.

The full MSc programme is made up of six taught course units and a five month research project. The taught units are:

- Control and Design of Polymerisations
- Polymer Characterisation
- Structure and Mechanical Properties of Polymers
- Polymer Processing and Industrial Case-Study
- Engineering Design and Communication
- Soft Matter and Nanotechnology (option)
- New Directions in Polymerisation (option)

You can find detailed programme information at our website.

Flexible training options

You can choose to take this course in full-time, part-time or online distance-learning format. The full-time programme takes 12-months to complete, and the part-time and online formats can take up to five-years. Each unit can be attended individually as part of continuing professional development (CPD).

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