

# Pollution and Environmental Control MSc

## Programme aims

The programme is designed to meet the growing need, internationally, for scientists who are able to understand and solve environmental problems. Since most environmental problems are interdisciplinary in nature, the MSc Pollution and Environmental Control is founded upon a variety of environmental science, engineering and social science disciplines. It was established over 20 years ago, and now has an international status, attracting students, mainly with good first degrees in a science or engineering discipline, from all parts of the world. Key employers of graduate from this course include companies and public enterprise, central and local government, consultancies and education and research.



## Programme structure

The one-year programme consists of seven months taught component and a project lasting five months. The course may only be taken on a continuous full-time basis. The taught component has a broad core covering concepts of pollution damage and economics, research methods and analytical techniques. Students are then able to specialise in:

- Environmental science
- Earth, water or atmospheric sciences
- Engineering
- Regulation

The teaching methods include formal lectures but also places a considerable emphasis on interdisciplinary group work, practicals and industrial/field visits. The programme is taught by nearly twenty recognised specialists from Biological Sciences, Earth Sciences, Economic Studies, Planning and Landscape, Engineering and Law.

The research project involves you undertaking research in any area related to pollution and environmental management. The project may be a desk, a laboratory or field-based depending upon the individual requirements of the student. Projects are carried out under the guidance of staff within the University and may involve collaboration with the regulatory bodies, environmental consultancies, industry and universities overseas.

Teaching and research in environmental sciences are facilitated by strong collaborative links with the Greater Manchester Geological Unit, an independent body of consultants engaged in practical urban geoscience in the Manchester area.

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## Career opportunities

The pattern of employment varies between years, according to the changing nature of job opportunities. However, graduates from this programme have been very successful in obtaining relevant environment-related employment in areas such as industry, local and central authorities, consultancies, and education and research. Typically, 20-30% of students completing the course then undertake postgraduate research. A student who has successfully completed this masters programme to a good standard can be admitted to the doctoral programmes in Biology, Social Science and Environmental Engineering without being required to undertake foundation training in the first year of study.

| Type of employment               | %  |
|----------------------------------|----|
| Companies and public enterprises | 25 |
| Central and local government     | 24 |
| Consultancies                    | 25 |
| Education and research           | 20 |
| Other                            | 6  |



## Entry requirements

Applications are welcome from students with a good first degree (minimum 2.1 or equivalent) in a scientific or technological discipline from a recognised university. First degrees in other subject areas or people with degree-equivalent qualifications may also be considered for entry. Overseas students would also need to demonstrate competence in English language, for example, a minimum IELTS score of 6.5