

Modules for MSc Managing Environmental Resources (University of Northampton)

The list of modules below outlines the modules on MSc Managing Environmental Resources. It will be taught via full time and part-time only. Students can gain a postgraduate certificate by successfully completing the first three modules in the list. Students who successfully undertake the first seven modules on the list will be entitled to a postgraduate diploma. For those wishing to complete the full MSc, in addition to the seven modules, they can choose to either take the Research Thesis or the Research Project and Placement modules. Students who undertake the Research Thesis will complete in one year, while those choosing the placement will complete in two years.

Module	Contents
Waste and Resources Management	Students learn about the policies, legislative measures, and systems that might be employed to ensure the effective management of waste, in order to recover value in the form of a resource.
Developing a Circular Economy	This practical module focuses on shifts towards a more circular approach to the management of resources, to increase efficiencies, and create value and jobs
Resource Recovery Systems	This module is concerned with evaluating selected biological and thermal waste treatment technologies. The evaluation takes account of a range of factors including technical, socio-economic and regulatory/compliance issues.
Sustainable Manufacture	This module provides an introduction to how sustainability and sustainable development affect the way in which engineering must in future be practised in the design and development of technologies and systems.
Laboratory and Field Research Skills	Students are taught practical skills for undertaking research within both the laboratory and the field. They are given the opportunity to undertake risks and COSHH assessments, and conduct lab and field based exercises.
Project Management	This module provides students with the knowledge, skills and competencies to effectively manage projects. It is taught by the Faculty of Business and Law at the University of Northampton.
Field Work	Students have the opportunity to put into practice some of material taught in the Laboratory and Field Research Module. They undertake field work to evaluate key risks posed to natural resources and develop strategies to minimise these risks.
Career Futures: Employability Skills	A compulsory preparatory module for the placement. It provides students with the necessary guidance for undertaking a placement.
Research Thesis	Students are expected to independently design and undertake a piece of research in an area related to their discipline, under the supervision of a member of staff with a specialism in the field.
Research Project	This is a compulsory module for students wishing to take the placement. They are expected to independently design and undertake a piece of research that is focused on the sector/organisational setting within which they will undertake their placement. The project is supervised by a member of staff with a specialism in the field.
Placement	This is a 12-month, full time, work-based activity. Students spend time within a work place/organisational setting that will provide them with the skills and competencies to function effectively in a graduate role, in their discipline.