Environment Programme
MSc courses

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www.cranfield.ac.uk

Creating leaders in technology and management

We unlock the potential of people and organisations by partnering with business and governments to deliver transformational research, postgraduate education and professional development.

We are an exclusively postgraduate university located at the heart of the UK.

We provide:

- transformational research,
- postgraduate education,
- professional development.

Environment and Agrifood unique facilities

Including:

- National Wind Tunnel Facility,
- National Reference Centre for Soils,
- Facility for Airborne Atmospheric Measurements,
- Wastewater treatment works.

Our vision

To pioneer the delivery of the green economy through leadership in systems thinking, technology and design

To live well and within the limits of our planet.

Environment and Agrifood career prospects

In the UK we:

- estimate that 595,000 new entrants are needed in this sector in the next two years,
- have talent shortages particularly in soil management and crop production,
- have skill shortage in areas such as horticulture, landscape architecture and land based engineering,
- have seen a big growth in employment opportunities in renewable energy, contaminated land, flood risk management and energy management.

What MSc courses could help you shape your career in the Environment and Agrifood sectors?

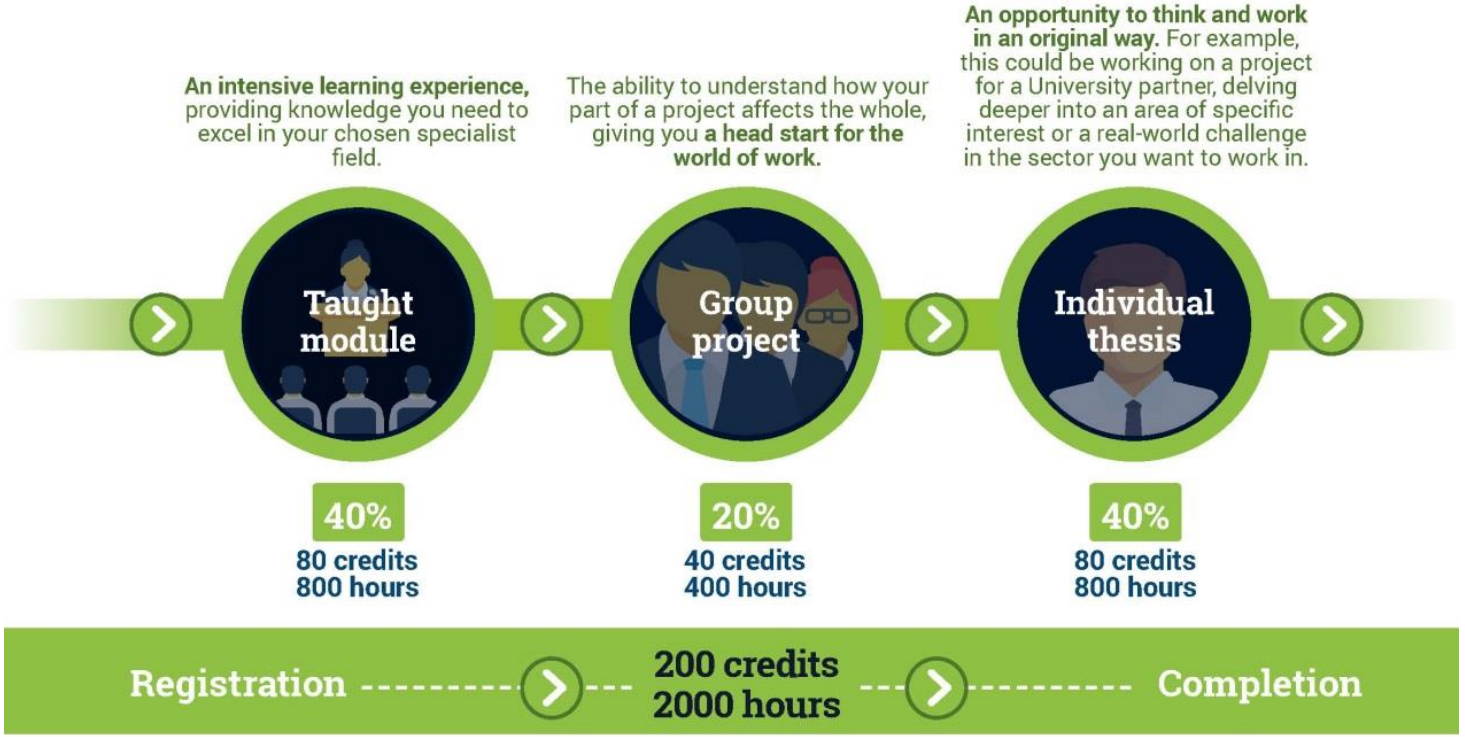
Agrifood courses:

- Applied Bioinformatics MSc
- Food Chain Systems MSc
- Future Food Sustainability MSc.

Environment courses:

- Atmospheric Emissions Technology MSc
- Cleantech Entrepreneurship MSc
- Environmental Engineering MSc
- Environmental Management for Business MSc
- Geographical Information Management MSc
- Land Reclamation and Restoration MSc.

All our MSc courses have a common structure



Part-time students do a work-placed dissertation in place of the group project in year one, and the thesis in year two.

Benefits of this structure

Taught modules provide you with the building blocks and knowledge you need in your area. They are delivered via:

- lectures,
- seminars,
- debates,
- lab work,
- fieldwork,
- assignments,
- private study.

The group project is:

- multidisciplinary, integrating different subjects,
- an opportunity to build professional and team work skills.

The thesis is:

- externally linked and funded, where possible,
- an opportunity to build your scientific research skills.

2017/18 Environment programme timetable

Week	Date	Environmental engineering			Environmental management for business		Land reclamation and restoration		Geographical information management		Cleantech entrepreneurship
1	2-6 October	Induction									
2	9-13 October	Environmental risks, hazard, assessment and management			Principles of sustainability*		Aerial photography and digital photogrammetry**				Cleantech in water-energy-food nexus
3	16-20 October	Landscape Institute presentation for Land Reclamation and Restoration									Entrepreneurship*
4	23-27 October	Circular waste management: recycle, recover and disposal*			Environmental valuation*		GIS fundamentals**				
5	30 October-3 November										
6	6-10 November	Circular waste management: recycle, recover and disposal*			Risk communication and perception	Environmental econometrics	Soil systems*		Spatial data management		Advanced electric power conversion
7	13-17 November										
8	20-24 November	Risk management and reliability engineering*	Modelling environmental processes*		Financial and economic appraisal*		Soil engineering, contaminant and nutrient management		Image processing and analysis	Modelling environmental processes*	Entrepreneurial finance*
9	27 November-1 December										
10	4-8 December	Land engineering and water management**		Evaluating sustainability through life-cycle approaches*		Natural resource economics	Land engineering and water management**	Land resource planning	Physical principles of rem sensing	Applied environmental informatics	Evaluating sustainability through life-cycle approaches*
11	11-15 December										

*Denotes modules shared between programmes and **denotes modules shared win programmes.

2017/18 Environment programme timetable

Week	Date	Environmental engineering	Environmental management for business		Land reclamation and restoration	Geographical information management		Cleantech entrepreneurship
12-13	18-30 December	Christmas and New Year						
14	2-5 January	Exams						
15	8-12 January	Process emission and control**	Environmental policy and risk govenance		Landscape ecology**	Advanced GIS	Landscape ecology**	Managing business growth*
16	15-19 January							Energy production emissions control, carbon capture and transport.*
17	22-25 January	Soil erosion control: principles and practices**	Technology environment and society*		Soil erosion control: principles and practices**	Environmental resource survey		
18	29 January-2 February	Pollution prevention and remediation technologies			Ecological restoration			Accelerating the commercialisation of technology
19	5-8 February		Strategic foresight*	Environmental management in practice		Spatial data and the internet		
20	12-16 February							
	19 February-4 May	Group Projects						
	7 May-7 September	Thesis						

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Entry requirements and funding opportunities

Entry requirements:

- 1st or 2nd class UK honours degree or equivalent, in a science, engineering, social science or business related degree.
- Candidates with other qualifications will be considered according to experience.
- If you are an international student you will need to provide evidence that you have achieved a satisfactory test result in an English qualification.
- For more information: www.cranfield.ac.uk/entryrequirements

Funding:

- Please visit our fees and funding pages: www.cranfield.ac.uk/fees

www.cranfield.ac.uk/environment

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