



# YOUR MSC SUSTAINABILITY JOURNEY

Our MSc Sustainability will support professionals who are either new to their sustainability role or aspire to attain a senior sustainability position within their organisation, developing a good blend of technical and management/leadership skills. It builds an understanding of the materiality impact of sustainability in key industry areas and the means to deliver a sustainability strategy in the current business environment.

The course is delivered mostly online to minimise carbon emissions and facilitate inclusive participation, with each module being taught online on alternate Fridays over a 6-week period. Each year Cranfield will convene a 3-day 'Spring School' in March to bring cohorts together with peers, faculty and industry representatives.

## BEFORE YOU ARRIVE

Some material will be available to you before your first visit to Cranfield. We will ask you to upload a video reflecting on your role and sustainability insights in the context of your work.

The course will be supported by an online portal on "Canvas" where all course materials will be available as you work your way through. Canvas is an area for personal reflective work and provides an opportunity for you to interact with the cohort.

You will be able to reflect on your progress and personal skills regularly throughout the programme, with your Apprenticeship tutor, your employer sponsor, your mentor, or individually.

## YEAR 1

### SPRING SCHOOL @ CRANFIELD

This will be your introduction and orientation for the course  
 Personal Leadership for Sustainability (Part 1)  
 Opportunities to meet and connect with fellow participants and the course team  
 Research skills for studying at Master's level  
 Keynote talks from influential sustainability leaders  
 Networking opportunities



#### 1. PERSONAL LEADERSHIP FOR SUSTAINABILITY

Use models from organisational behaviour, psychology, management, ethics and sociology to provide you with a practical understanding of your role in sustainability.

Self-reflection activities on training needs, developing your understanding of sustainability, skills assessment from external Mentor



#### 2. PRINCIPLES OF SUSTAINABILITY

Learn about the main sustainability frameworks and examine and critique their application to resolve real-world problems and create commercial opportunities.

Regular meetings with apprenticeship tutor



#### 3. LEADING SUSTAINABLE BUSINESS

Build awareness and capabilities required to steer organisations towards contributing to positive change whilst reducing costs, managing risk, increasing trust and driving long-term sustainable growth.



#### 4. EVALUATING SUSTAINABILITY

Use environmental and social life cycle assessments to appraise direct and indirect impacts of actions on global resources.



#### 5. ECONOMICS OF SUSTAINABILITY

Understand the rationale and tools of economic appraisal to enable the construction of effective business cases for sustainability initiatives and investments.



#### 6. PERFORMANCE MANAGEMENT AND REPORTING

Gain practical insights into the development and management of audit programmes and activities that will provide meaningful feedback for governance teams within an organisation.

Regular self-reflection for leadership and portfolio development and tripartite meetings



#### 7. ENVIRONMENT RISKS: HAZARD, ASSESSMENT, AND MANAGEMENT

Use conceptual model development, probability, risk characterisation, and informatics to assess the wide range of increasingly complex risks and hazards facing organisations, policymakers and regulators.



#### 8. RISK COMMUNICATION AND PERCEPTION

Learn about the importance of individual and group attitudes towards the perception of risk and how this may influence views, behaviour and actions in the face of a range of risks.

# YEAR 2

## SPRING SCHOOL @ CRANFIELD

This event will give you the opportunity to visit Cranfield again and meet your peers

- Personal Leadership for Sustainability (Part 2)
- Innovation tour of Cranfield
- Consultancy day project with local company
- Keynote talks from influential sustainability leaders
- Networking opportunities



### 9. ENVIRONMENTAL INNOVATION

Explore technological change and innovation. Formulate technology policy to achieve environmental net gain or transition to a low carbon economy.

Ongoing self-reflection for leadership and portfolio development



### 10. SUSTAINABLE AND CIRCULAR SUPPLY CHAINS

Learn the fundamental principles of contemporary logistics and supply chain management within a business context. Explore the ways in which good practice in these fields can contribute to achieving sustainable competitive advantage.

Regular tripartite meetings

### 11. CIRCULAR INNOVATION

Learn strategies and tools that enable Circular Business Model development to take place and for organisations to take a longer-term view of products and services.



### 12. STRATEGIC FORESIGHT

Apply foresight techniques to consider a wide range of possible futures and the implications for organisational resilience in the face of changing external conditions.

Regular meetings with apprenticeship tutor



### 13. SOCIAL ENTREPRENEURSHIP

Explore concepts of social enterprise and intrapreneurism. While being profit or surplus-making, their aims typically embrace social outcomes and purposes.



### 14. SUSTAINABILITY IN PRACTICE

Learn how to integrate sustainability into different management functions, stakeholder collaborations, environmental and social impacts and to manage change.

# YEAR 3

## SPRING SCHOOL @ CRANFIELD

This event will prepare you for your End Point Assessment

- See the posters created for your Sustainable and Circular Supply Chains module
- Meet the new cohort and some familiar faces from last year
- Keynote talks from influential sustainability leaders
- Networking opportunities

Self-reflection for leadership and portfolio development

### 15. WORK-BASED PROJECT (END POINT ASSESSMENT)

In an integrated degree apprenticeship, the MSc Sustainability degree incorporates on-programme academic and workplace learning and assessment with an independent assessor to test the occupational standard's KSBs. The degree is worth 200 credits, with the EPA accounting for 60 credits. The EPA consists of two discrete assessment methods: work-based project, consisting of a report with presentation and Q&A and a separate technical interview, underpinned by a portfolio of evidence.

Regular meetings with apprenticeship tutor

### IEMA ACCREDITATION

The Sustainability Business Specialist standard has been accredited by IEMA (Institute for Environmental Management and Assessment), so graduating students will also receive professional recognition as Practitioner or Full Member of IEMA (depending on their experience prior to the course).

## POST-CRANFIELD

### CAREERS AND ALUMNI

As a Cranfield alumnus, you have free life-long access to a range of career resources to help you continue your education and enhance your career. The range of support offered has been created to assist you at different points in your career journey. So whether you've just graduated, are in a career transition, or looking to get ahead there is an option for you. You can also give back to Cranfield by developing your skills through volunteering or helping Cranfield students and alumni with their own career journey.