



University of Worcester has recognised an opportunity to enhance the learning of the students working on sustainability initiatives by providing an opportunity for them to complete the CIWM WasteSmart certificate. This would be completed alongside their volunteering work and students would also be encouraged to take up free membership of CIWM for the duration of their studies.

Details of the benefits of CIWM student membership is attached as annex B.

The WasteSmart course has been designed for anyone who needs to understand the importance and benefits of effective waste and resource management. The course has no pre-requisites and can be achieved through online learning.

This course provides the information necessary to make astute and efficient waste related decisions, whilst increasing sustainability and improving performance. For students the WasteSmart course offers the opportunity to enhance their academic learning and their CV through completion and achievement of a certificate endorsed by CIWM, ESA, Environment Agency, Defra, WAMITAB and Wrap.

The WasteSmart course covers five distinct modules:

- **Waste as a resource** - Identifying different types of wastes and their legal definition, and exploring the idea that wastes can be a resource with a potential value
- **The environmental impact of waste** - Explores how unsustainable our reliance on virgin materials is, and considers what we do with our wastes and how this can impact on the environment
- **The cost of managing waste** - Explains the hidden costs of managing wastes and the real cost of waste disposal
- **Understanding and applying the Waste Hierarchy** - This session will assist delegates on how they can use the Waste Hierarchy to identify different options for managing wastes within the workplace
- **Legislation and compliance** - Gives a fundamental understanding of the different legislation and legal duties that apply to anyone handling waste as part of their job

A detailed outline of the modules is attached as annex A.

Annex A: Waste Smart learning objectives

Module 1 – Waste as a Resource

- Explain the different types of resources used by organisations when producing goods or providing a service
- Understand that any materials that are discarded are classified as waste
- Understand that there are different ways of describing wastes
- Understand that waste has a legal definition
- Understand the importance of complying with relevant legislation.
- Understand that it is the producer who defines whether a residue or output is a waste and that it remains waste until it has been fully recovered
- Accurately identify that wastes contain valuable resources
- Identify wastes that arise from a common activity.

Module 2 – The environmental impact of waste

- Explain how the extraction of virgin materials impacts on the environment
- Explain why our reliance on virgin materials is not sustainable
- Understand that it is not environmentally sustainable to continue to discard materials that could replace virgin materials

Module 3 – The costs of managing waste

- Understand that there are hidden costs to managing wastes
- Explain the real costs of waste disposal, where those costs arise and the impact on businesses in the UK.

Module 4 – Understanding and applying the waste hierarchy

- Describe the Waste Hierarchy
- Understand different treatment option in relation to the Waste Hierarchy
- Use the Waste Hierarchy to identify different options for the management of resources and wastes in their own organisations.

Module 5 – Legislation and ensuring compliance

- Understand that waste legislation aims to ensure that waste is recovered or disposed of without endangering human health and minimising potential harm to the environment.
- Understand that:
 - UK waste legislation mainly derives from EU Directives & Regulations.
 - EU legislation is implemented in the UK through either primary or secondary legislation.
- Understand the role of guidance in relation to primary and secondary legislation.

Annex B: Benefits of CIWM Membership

To qualify for Student membership free of charge you must be at least 16 years old and be undertaking a Full Time course of study and examination relevant to wastes management at a college or university located within the UK. Membership is free of charge for the duration of your course.

Student members receive the following benefits:-

- Discounts on all CIWM training courses, conferences, seminars, etc
- Use of our Knowledge and Information web pages
- Information on technical meetings and visits arranged by Regional Centres
- Special meetings for students and younger members organised by New Member Networks
- Special events and site visits for student and graduate members
- Online access to the members areas of the CIWM journal website <http://www.ciwm-journal.co.uk/>
- Structured Learning and Development
- Careers information
- News Online - weekly electronic newsletter

Annex C: Why Choose CIWM

CIWM is a body which represents and regulates 7000 professional waste managers, predominantly in the United Kingdom but also overseas. CIWM sets the professional standards for individuals working in the waste management industry, and has various classes of membership determined by education, qualification and experience. It is the foremost professional institution in the world concerned with wastes and resource management.

CIWM has been offering training to the waste and resources industry for over 20 years successfully managing and delivering its own complex portfolio of training courses across the full breadth of the industry.

- Our dedicated and hugely experienced training team deliver and manage all the Institution's training output and also support and accredit a range of external courses and qualifications.
- Our clients include a mixture of local authorities, private waste contractors and waste producers.
- Our courses are delivered by CIWM approved trainers who are experienced tutors, with a background in the waste industry. Many of our trainers continue to carry out consultancy work and so can share their current experience with the course attendees to enhance the learning experience. Biographies are available on request.

CIWM Enterprises is the commercial subsidiary for the CIWM and is responsible for all business activities carried out on behalf of the CIWM including training courses, conferences, seminars/workshops, advertising, full production of the monthly CIWM magazine and event management services.