

Developed in Partnership with University
of California Irvine, Division of Continuing Education

Environmental Management Executive Certificate



Become a master of environmental management

Prepare yourself to meet the challenges of the expanding regulatory framework and the increasing need for sustainable and green initiatives in the rapidly changing environmental profession.

Compliance with regulatory requirements, remediation and planning for sustainability greatly influences corporate operational issues and business decisions. Therefore, we are all responsible for ensuring that people working on the front line in these areas have the right knowledge, competencies, skills and confidence to do a professional job.

This program gives you an opportunity to learn **about global trends that influence our environment and the living conditions**, and how different management systems and approaches are used around the world to manage the environment.

This certificate takes it one step further and provides you with **the ability to apply environmental management and assessment tools that are needed to be an effective practitioner.**

Why this program?



Learn about the **roles of environmental regulatory agencies.**



Recognize the importance of **multi-media environmental management.**



Understand the basic sciences influencing **environmental and sustainability issues.**



Conduct **environmental activities** such as **project planning** and **assessing compliance.**

Key Information

- Language – English
- Format, length - Online, 12 weeks
- Course fee - 2,990 USD

The course fee includes training and access to the online campus, the use of the study and communication tools, and interactive materials, and the issuance of the certificate by MIU Division of Continuing Education and UCI Division of Continuing Education. Marconi has a number of scholarships based on merit and potential. For more information, visit our website: miuniversity.edu/tuition/scholarship.

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PROGRAM STRUCTURE

Module 1

Introductory Chemistry of Hazardous Materials

- **Practical aspects** of hazardous materials chemistry.
- Other chemical concepts: **chemical naming terminology**, periodic table, states of matters, acids and bases, chemical solubility, chemical bonding, understanding and balancing equations, water cycle, and the movement of **hazardous materials in the environment**.

Module 2

Legal and Regulatory Framework of Environmental Management

- State and federal legal and regulatory system.
- Legislative and regulatory **history of major environmental programs**.
- Principles of land use governance.
- Hazardous **materials rules**.
- Air and water quality regulations.
- The permitting process.
- **Natural resource** protections.
- **Public and private “players”** and the essential roles they play in establishing environmental policy and crafting and implementing law and regulations.

Module 3

Chemical and Physical Principles of Environmental Management

- Application of **physical and chemical principles** to solving environmental problems.
- **Scientific process** as used in environmental management Use of chemistry, physics, geology, meteorology, bioremediation and engineering principles to identify, evaluate and manage multi-media environmental problems.

Relevant methodological elements

- 100% Online
- Self-paced, just meet deadlines
- Hands-on and activity-based learning: discussion forums, assignments, and practical project

Module 4

Biological Principles of Environmental Management

- **Biological principles** relating chemical exposures to adverse human and environmental health outcomes.
- Current thinking on **public and environmental health**; environmental risk assessment; environmental risk management and control; and regulatory perspectives.
- Application of information obtained from **toxicological and environmental health** studies to the process of assessing, managing and controlling environmental risks.

Contact

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UCI Division of Continuing Education