Clean Energy & Sustainability Certificate

The Clean Energy and Sustainability (CES) Program now offers workforce training in clean energy and sustainability at both undergraduate and graduate levels.

The CES graduate certificate comprises 4 courses, including an internship/practicum component.

Clean energy is one of the fastest growing sectors globally, according to Clean Edge, and Massachusetts is in the forefront of this trend. Markets and career opportunities are also growing rapidly in energy efficiency, smart grid, carbon trading, and related financial and professional services. In business, managers in every sector and every function, from operations and marketing to accounting and finance need to become knowledgeable about sustainability management and reporting. Similarly, this topic is increasingly important for people working in government, education, and non-profit organizations.

With this growth comes new expectations for workforce education and training, and UMass Boston is paving the way. A joint venture of UMass Boston's College of Management (CM) and the Department of Environmental, Earth, and Ocean Sciences (EEOS), these programs also feature collaborative engagement with area businesses, non-profit and social enterprise organizations, and other groups committed to building a more sustainable world.

COURSE LISTING:

**Required Courses:**
* MGT688: Business and Climate Change
* MGT698/669/EEOS 698: Internship/Practicum (OR: Independent Study, if no suitable internship available)

**Elective Courses** *(select two):*
* EEOS670 Environmental Economics
  (OR EEOS 675 Economics of Renewables: Marine & Energy Resource)
* EEOS684/MGT674 Climate and Energy: Law, Policy, and Management
* MBA AF 697 Environmental Accounting and Finance
* MGT671 Environmental Management and Organizational Sustainability
  (OR MBAMGT 678 Environmental Mgt. Implementation and Operations)
* MBAMGT 697 Clean-Tech Entrepreneurship

**Actively enrolled College of Management MBA students** pursuing the Environmental Management specialization only need to complete (1) more course in addition to the 3 required for that specialization. Students wishing to pursue the certificate would need to complete the 2nd degree form (be sure to check off ‘certificate’) rather than fill out a separate application.

Note that one of the classes for the Certificate must be an Internship or Practicum course. If no suitable internship is available, an Independent Study may be considered as a substitute for the Internship or Practicum course.