CLEAN ENERGY OPTION – H093

A.A. in Arts and Science

CONTACT

Kate Maiolatesi, 413.552.2462, kmaiolatesi@hcc.edu

COURSE TITLE	COURSE NUMBER	PREREQUISITES	CREDITS
GENERAL EDUCATION REQUIREMENTS			**35-36**
College Composition I: Expository Writing and Research (A)	ENG 101	Appropriate scores on English placement tests or C- or better in ENG 095 or C- or better in ENG 097 and ENG 098, or C- or better in ENG 096 or ENG 099.	3
College Composition II: Writing about Literature (A)	ENG 102	English 101 with a grade of C- or higher	3
Ecological Economics (B)	ECN 120	Any ECN course with a passing grade of C- or eligibility for MTH 095, or by permission of instructor.	3
Introduction to Psychology (B)	PSY 110	Eligibility for ENG 101	3
Ecopsychology (B)	PSY 202	PSY 110	3
Environmental Literature (C)	ENG 203	ENG 102	3
American Environmental History (C)	HIS 225	Eligibility for ENG 101	3
Environmental Ethics (C)	PHI 140		3
College Algebra (D) **or** Statistics (D)	MTH 104 MTH 142	MTH 082 or 095 or 097 or 099 with a grade of C- or better or SM18 or adequate score on the Math Placement Exam	3-4
Introduction to Sustainability Studies (E)	SUS 101		4
Introduction to Clean Energy Resources (E)	SUS 102	ENG 101 eligible or ESL 153	4
PROGRAM REQUIREMENTS			**25**
Energy Efficiency and Conservation Methods (E)	SUS 103	SUS 102	4
Introduction to Wind Energy	SUS 105	SUS 103	2
Introduction to Geothermal Energy	SUS 106	SUS 102 and SUS 103	2
Introduction to Electrical Generation	SUS 107		4
Renewable Energy Technology Internship	SUS 109	SUS 104 or SUS 105 or SUS 113 and SUS 114	3
Green Careers Exploration	SUS 110		2
Solar Thermal Energy	SUS 113		2
Solar Photovoltaics	SUS 114		2
Green Building Practices	SUS 115		4
PROGRAM ELECTIVES			**3-4**
Suggested Elective			3-4
Total credits			**63-66**

NOTES

Suggested Elective: Recommend COM 150, ENV 137, ENV 230,

ESC 120, MGT 235, MGT 236 , MKT 240, SUS 108, ESL 153: ESL for Rewable Energy Technology if needed.

PROGRAM OVERVIEW

Students will be prepared for employment in the clean energy sector or transfer to a four year institution. This degree will transfer to a number of area colleges and universities in clean energy programs as well as the iCONS (Integrated Concentration in Science - clean energy track) program at UMass.

Students will learn about all types of sustainable energy sources, including solar, wind, geothermal and biomass. They will learn how to use specialized equipment and monitor energy usage. Hands-on experience will be provided in the internship as well as the labs to acquaint the students with the necessary equipment and technologies.