Program:	Ocean Engineering
Degree:	BS
Department:	Ocean Engineering
Contact Name:	Charlie Donaway
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Outcome	Master the depth of knowledge required for a degree
Marketable	 (a) an ability to apply knowledge of mathematics, science, and engineering
Skills	 (b) an ability to design and conduct experiments, analyze and interpret data
	 (j) a knowledge of contemporary issues

Outcome	Demonstrate critical thinking
Marketable	 (e) An ability to identify, formulate, and solve engineering problems
Skills	 *Identifying complex problems and reviewing related information to develop
	and evaluate options and implement solutions.
	 *Using logic and reasoning to identify the strengths and weaknesses of
	alternative solutions, conclusions or approaches to problems.

Outcome	Communicate effectively
Marketable	(g) an ability to communicate effectively
Skills	 *Providing information to supervisors, co-workers, and subordinates by
	telephone, in written form, e-mail, or in person.

Outcome	Practice personal and social responsibility
Marketable	 (f) an understanding of professional and ethical responsibility
Skills	(h) the broad education necessary to understand the impact of engineering colutions in a global accomplish any imparator and societal context.
	solutions in a global, economic, environmental, and societal context

Outcome	Demonstrate social, cultural, and global competence
Marketable	• (c) an ability to design a system, component, or process to meet desired needs
Skills	within realistic constraints such as economic, Students have environmental,
	social, political, ethical, health and safety, manufacturability, and sustainability

Outcome	Prepare to engage in lifelong learning
Marketable	 (i) a recognition of the need for, and an ability to engage in life-long learning
Skills	 *Job requires establishing and maintaining personally challenging achievement
	goals and exerting effort toward mastering tasks.

Outcome	Work collaboratively
Marketable	 (d) an ability to function on multi-disciplinary teams
Skills	 (k) an ability to use the techniques, skills, and modern engineering tools
	necessary for engineering practice
	 *Giving full attention to what other people are saying, taking time to
	understand the points being made, asking questions as appropriate, and not
	interrupting at inappropriate times.

Notes:

- Marketable skills listed with an asterisk (*) for this example program were drawn from the Knowledge, Skills, and Abilities identified by the US Department of Labor and Statistics for "electrical engineers" as published on O*Net Online (onetonline.org)
- Marketable skills listed with a letters (a)-(k) for this example program were drawn from ABET Criterion 3.
- Alternate sources for degree-specific marketable skills include learning outcomes and associated metrics used for programmatic assessment
- Learning outcomes or skills required for programmatic accreditation