

Program:	Oceanography
Degree:	BS
Department:	Oceanography
Contact Name:	Shari Yvon-Lewis
Contact Phone:	845-7211

Outcome	Master the depth of knowledge required for a degree
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of principles of oceanography by definition, explanation, and application of key theories, principles, and practices. • Describe and report the physical, chemical, geological, and biological processes governing oceanographic phenomena. • Prepare reports or figures for analysis, distribution, or use in oceanographic applications. • Gather data from sources such as laboratory, shipboard and remote instrumentation, and scientific databases. • Knowledge of analytical or scientific software, graphics or imaging software, and operating system software.

Outcome	Demonstrate critical thinking
Marketable Skills	<ul style="list-style-type: none"> • Interpret data, reports, maps, photographs, or charts to predict oceanographic phenomena. • Apply oceanographic knowledge to issues such as ocean acidification, sea level rise, pollution control, harmful algal blooms, and hypoxia. • Apply mathematics and computer software to model and analyze oceanographic phenomena

Outcome	Communicate effectively
Marketable Skills	<ul style="list-style-type: none"> • Classify different forms of written communication in ocean science, the construction of knowledge and purpose of each, and the organization and review structure of each. • Interpret and explain concisely ocean science material using proper grammar, appropriate publication format and citation style, and persuasive visual aids. • Speak clearly and confidently in front of an audience and handle questions with ease. • Design and present an effective oral presentation of various lengths to various audiences.

Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> • Identify the relative costs and benefits of potential actions to choose the most appropriate one.

Outcome	Demonstrate social, cultural, and global competencies
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Marketable Skills	<ul style="list-style-type: none"> • Being aware of others' reactions and understanding why they react as they do.
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Outcome	Prepare to engage in life-long learning
Marketable Skills	<ul style="list-style-type: none"> • Keeping up-to-date technically and applying new knowledge to problem-solving and decision-making.

Outcome	Work collaboratively
Marketable Skills	<ul style="list-style-type: none"> • Consult with other offices, agencies, professionals or researchers regarding the use and interpretation of oceanographic information.