**Next Evolution in Engineering With Nature Curriculum**

**April 18, 2017**

Minimum 32 Credit Hours required.

**Required Courses Credits**

￼OCEN 678 Fluid Dynamics for Ocean and Environ. Engineering\* 3

OCEN 671 Ocean Wave Mechanics\* 3

OCEN 6XC Graduate Course in Marine Chemistry 3

OCEN 6XB Graduate Course in Marine Biology 3

Math 601 Higher Math For Engineers and Physicists\* 3

Choose one of: 3

OCEN 6XS Statistics and Experimental Methods

OCEN 6XF Statistics and Field Data Collection Methods

OCEN 685 Research Project Report (minimum)\* (OCEN requires 3) 1

OCEN 681 Seminar (every semester in residence)\* 1

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**Subtotal (Required Credits) 20**

**Minimum Electives 12**

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**Degree Total Credits 32**

**Potential Electives** (Choose 4; not all offered every year):

OCEN 672 Coastal Engineering 3

OCEN674 Ports and Harbors 3

OCEN 682 Coastal Sediment Processes 3

OCEN 683 Estuary Hydrodynamics 3

OCEN 688 Marine Dredging 3

OCEN 6XP Bio-Chemistry of Pollutants 3

OCEN 6XC Soil Science 3

OCEN 6XM Mechanics of Biotic Materials 3

OCEN 6XT Environmental Toxicology and Remediation 3

OCNG 608 Physical Oceanography 3

\* Indicates presently required in OCEN Master of Science

6XX Course Number indicates a new course to be developed in OCEN