OCEANOGRAPHY

Degree: Bachelor of Science
Departments: Environmental Studies
Building 13, Room 206
(850) 474-2746
environmental@uwf.edu
Biology
Building 58, Room 79
(850) 474-2748
biology@uwf.edu
College: Arts and Sciences
Semester hours required for degree: 120

Faculty: K.J. Meyer-Arendt (Chairperson, Environmental Studies), G. Stewart (Chairperson, Biology), W. Bennett, P. Darby, C.A. Houser, W.H. Jeffrey, J.E. Lepo, J. Liebens, W. Patterson, C. Pomeroy, R.A. Snyder, P.A. Winter; Faculty Associates: W. Hugli, H. Snoeckx

The Oceanography program is a distance-learning program jointly administered by the Departments of Biology and Environmental Studies. Delivered primarily on-line, it is geared toward non-traditional students, especially those deployed offshore or overseas in a military capacity. The program, firmly grounded in the sciences, offers a solid undergraduate education in Oceanography and its four components - biological, chemical, geological, and physical oceanography. The B.S. degree in Oceanography will provide an educational foundation for employment in the fields of coastal and ocean management, specifically in federal and state agencies (e.g., Minerals Management Service, NOAA) as well as in environmental consulting firms. The degree will also provide a foundation for graduate education in the oceanographic and related sciences.

PROGRAM REQUIREMENTS

In addition to general University requirements, students seeking the B.S. in Oceanography must meet the requirements listed below.

Consult with your academic advisor for courses which may satisfy both the General Studies requirements and common prerequisites.

Course descriptions are listed alphabetically by prefix in the back of this *Catalog*.

General Studies (36 sh)

Oceanography majors should take GEA2000 to meet the Social Sciences/Socio-Political Perspectives component and also to meet the Multicultural Requirement.

For additional information see the General Studies section of this *Catalog*.

Common Prerequisites (34 sh)

+ BSC	1005/L	General Biology for Non-Majors/Lab	4
+ BSC	1050	Fundamentals of Ecology	3
+ BSC	2311/L	Introduction to Oceanography & Marine Biology/Lab	4
+ CHM	2045/L	General Chemistry I/Lab	4
+ CHM	2046/L	General Chemistry II/Lab	4
+ GLY	2010/L	Physical Geology/Lab [GEO x200/L]	4
+ MAC	2311	Analytic Geometry and Calculus I	4
+ PHY	2053/L	General Physics I/Lab [PHY x048/L]	4
+ STA	2023	Elements of Statistics	3

+ Indicates common prerequisites which can be used to satisfy General Studies requirements.

Note: Several of the above courses are available in distance-learning format at UWF and others are being prepared in that format.

Lower Division Electives (0-3 sh)

Sufficient 1000/2000 level electives to complete at least 60 semester hours in the lower division. Current UWF students may use elective courses at any level (1000-4999) to meet this elective requirement.

Major Courses (35 sh)

BSC	3xxx	Coral Reefs	3
BSC	4263	Biological Oceanography	3
EVR	4023	Coastal and Marine Environments	3
GEO	3250/L	Weather and Climate/Lab	4
GEO	4890/L	Coastal Morphology and Processes/Lab	4
OCE	4xxx	Geological Oceanography	3
OCE	4xx1	Chemical Oceanography	3
OCE	4xx2	Physical Oceanography	3
OCE	4xx3	Global Climate Change: Oceanic/Atmospheric Interactions	3
OCE	4xx4	Global Biogeochemical Cycles	3
OCE	4xx5	Remote Sensing of Oceans	3

Major-Related Courses (0 sh)

Upper-Division Electives (25 sh)

Sufficient 3000/4000 level electives to meet UWF's requirement of 48 semester hours in the upper division or completion of all departmental requirements at the 3000/4000 level, whichever is greater.

The following are recommended upper-division choices:

BOT	4406L	Marine Algae/Lab	4
GEO	4133	Applications in Remote Sensing	3
GEO	4151	Geographic Information Systems	3
GEO	4152	Applications in GIS	3
HIS	4284	Maritime History	3
PCB	4364	Marine Ecological Physiology	3
ZOO	4485	Marine Mammology	3