

OCEANOGRAPHY

Degree: Bachelor of Science
 Departments: Environmental Studies
 Building 13, Room 206
 (850) 474-2746
 environmental@uwf.edu
 Biology
 Building 58, Room 79
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 http://uwf.edu/biology/
 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, W. Patterson, C. Pomory, R.A. Snyder, P.A. Winter; Faculty Associates: A. Beauregard, W. Hugli, M.C. Schwartz, 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 provides the student with basic knowledge in Oceanography and its four components-biological, chemical, geological, and physical oceanography. The B.S. degree in Oceanography will position graduates for additional studies that will allow them to qualify for a variety of career opportunities. Oceanography is a very broad field with many specialities, and graduate studies or employment in oceanography may require more quantitative courses and hands-on experience not offered by this distance-learning degree.

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 (35 sh)

BSC 4263	Biological Oceanography	.....3
EVR 4023	Coastal and Marine Environments	.....3
GEO 3250/L	Weather and Climate/Lab	.....4
GEO 4221/L	Coastal Morphology and Processes/Lab	.....4
OCC 4002	Chemical Oceanography	.....3
OCC 4414	Global Biogeochemical Cycles	.....3
OCE 4008	Global Climate Change: Oceanic/Atmospheric Interactions	.....3
OCE 4265	Remote Sensing of Oceans	.....3
OCG 4002	Geological Oceanography	.....3
OCP 4002	Physical Oceanography	.....3
ZOO 3558	Coral Reefs	.....3

Major-Related (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 4406/L	Marine Algae/Lab	.....4
GIS 4036	Applications in Remote Sensing	.....3
GIS 4043	Geographic Information Systems	.....3
GIS 4048	Applications in GIS	.....3
HIS 4284	Maritime History	.....3
PCB 4364	Marine Ecological Physiology	.....3
ZOO 4485	Marine Mammology	.....3