

General Information Template for Academic Program Review

Degree Area and Level:

B.S. in Oceanography (CIP 40.0607) at UNC Wilmington

Addressing UNC Tomorrow:

This proposed program would address several Recommendations within the UNC Tomorrow Report including the components to enhance our Global Readiness (Recommendation 4.1), Our Communities and Their Economic Transformation (Recommendation 4.4), Our Environment (Recommendation 4.6), and Our University’s Outreach and Engagement (Recommendation 4.7).

Role of Program in Relation to State and Regional Needs:

The final report from the U.S. Commission on Ocean Policy indicates that within the next 40 years, there will be an urgent demand to educate and train a new federal workforce of ocean professionals to carry out the recommendations of U.S. ocean policy in the 21st Century.

US Labor Department Analysis:

- *Summary* – Employment of environmental scientists is expected to increase by 25 percent between 2006 and 2016, much faster than the average for all occupations. Over the same period, employment of hydrologists should increase by 24 percent, also much faster than the average. Job growth for environmental scientists and hydrologists should be strongest in private-sector consulting firms. Growth in employment of environmental scientists and hydrologists will be spurred largely by the increasing demands placed on the environment and water resources by population growth. Further demand should result from the need to comply with complex environmental laws and regulations, particularly those regarding ground-water decontamination, clean air, and flood control.
http://www.occsupplydemand.org/OSD_UnitOfAnalysis.aspx?CLUSCODE=100A-15&ST=NC&PathNo=1
- *Summary Data* – Source: U.S. Department of Labor and America's Career InfoNet

Occupational Projections - North Carolina							
SOC code	Occupation	Employment			Average Annual Openings		
		Est 2006	Proj 2016	Change	Growth	Replace	Total
19-2042	Geoscientists, Except Hydrologists and Geographers	394	528	34.0%	13	10	23
19-2043	Hydrologists	169	185	9.5%	2	4	6

Wage Trends - North Carolina							
SOC Code	Occupation	Median Annual Wage					Change
		2004	2005	2006	2007	2008	2004 to 2008
19-2042	Geoscientists, Except Hydrologists and Geographers	\$50,270	\$55,610	\$64,230	\$58,930	NA	NA
19-2043	Hydrologists	\$51,370	\$51,850	\$50,710	\$55,780	\$57,480	11.9%

Benchmarks for Wage Trends (all occupations)	2004	2005	2006	2007	2008	Change 2004 to 2008
North Carolina Median Wage	\$26,690	\$27,160	\$27,980	\$28,950	\$29,860	11.9%
North Carolina Mean Wage	\$33,960	\$34,460	\$35,520	\$36,900	\$38,230	12.6%
National Median Wage	\$28,770	\$29,430	\$30,400	\$31,410	\$32,390	12.6%
National Mean Wage	\$37,020	\$37,870	\$39,190	\$40,690	\$42,270	14.2%

Availability of Program Statewide (Enrollment and Degrees Awarded in Last 3 Years):

- Public universities – Not available.
- Private universities – Not available.

Available or not from Academic Common Market:

North Carolina does not participate in the ACM at the undergraduate level.

UNC Wilmington Campus enrollment and degrees awarded in similar programs at the Bachelors level:
 (Based on two CIP digits – 40 CIP is the summary group for Physical Sciences under which Oceanography is a program)

Enrollment			Academic Year						
			Fall 05	Spr 06	Fall 06	Spr 07	Fall 07	Spr 08	Fall 08
UNC-W	Chemistry	BA	41	42	34	31	35	44	38
		BS	74	78	81	93	95	105	104
	Geology/Earth Science	BA	14	7	10	8	14	13	16
		BS	12	13	10	13	10	15	15
	Physics	BA	1	0	2	3	6	4	6
		BS	14	13	12	12	16	16	15

Number of Degrees Awarded			Academic Year		
			2005-2006	2006-2007	2007-2008
UNC-W	Chemistry	BA	17	14	15
		BS	26	18	41
	Geology/Earth Science	BA	6	2	5
		BS	7	4	4
	Physics	BA	1	1	1
		BS	6	5	3

Campus Average of enrollment and degrees awarded in this degree area at the Bachelors level:

(Based on two CIP digits – 40 CIP is the summary group for Physical Sciences under which Oceanography is a program - over the last 3 Academic Years, Fall 2005-Fall 2008)

Campus Average			
	Number of Active Programs	Enrollment per Semester	Degrees Awarded per Year
ASU	3	55	16
ECSU	4	7	2
ECU	3	28	12
FSU	1	17	6
NCA&T	2	21	4
NCCU	2	20	4
NCSU	5	65	32

UNC-A	3	23	10
UNC-C	4	54	14
UNC-CH	4	90	30
UNC-G	2	26	5
UNC-P	2	36	16
UNC-W	3	56	20
WCU	2	28	11
WSSU	1	31	6
Campus Average:		37	13

UNC Wilmington Campus Degree Programs added in the past three years:

- *Bachelor*
 - BS Community Health Education (06/13/2008)
- *Master*
 - MA Environmental Studies (01/11/2008)
 - MA Spanish (01/11/2008)
 - MS Applied Gerontology (06/08/07)
 - MA Criminology and Public Sociology (03/16/2007)
- *Doctoral*
 - EdD Educational Leadership and Administration (05/11/2007)

UNC Wilmington Degree Programs discontinued in past three years:

- *Bachelor*
 - BA Special Education, Cross-Categorical (03/20/2009)
 - BA Special Education, Behaviorally/Emotionally Handicapped (03/20/2009)
 - BA Special Education, Mental Retardation (03/20/2009)
 - BA Special Education, Learning Disabilities (03/20/2009)
 - BA History, Teacher Licensure (03/20/2009)
- *Master*
 - MA Mathematics (03/20/2009)
- *Doctoral*
 - N/A