



NOAA Education



Class of 2008 NOAA Student Scholars

How to Host a Student Scholar (summer internship) or Hire a Graduate Student

Priti Brahma & Chantell Haskins

September 17, 2008



Student Scholarship Programs



Two Undergraduate Scholarship Programs

- Educational Partnership Program Scholarship
- Ernest F. Hollings Scholarship

Details

- 140 current scholarship recipients between the two programs
- Attended the NOAA Orientation in May 2008
- Studying NOAA-mission sciences including social science and teacher education (Hollings)



Student Scholarship Programs



EPP Undergraduate Scholarship Program

- Designed to increase the number of students who undertake course work and graduate with degrees in specific scientific areas or fields integral to NOAA's mission
- Approximately 15 students, entering their junior year, who have matriculated in the natural and/or physical science and engineering fields are selected annually
- Students participate in headquarters orientation where they learn about the programmatic and research objectives and potential career opportunities within NOAA Line, Staff, and Program Offices.
- **Program duration:** Two years





Undergraduate Scholarship Program



- Students selected must be U.S. citizen, have and maintain at least a 3.0 G.P.A. per academic term and cumulatively, and make a commitment to pursue a degree in a NOAA related science
- **Benefits**
 - \$8,000 scholarship awarded per academic year during full-time study
 - Two 10-week paid summer internships (\$650/week)
 - Housing subsidy during summer internship
 - Students are paired with NOAA scientists who serve as mentors on a research projects
 - Students present research projects to NOAA scientific community as well as scientific organizations each year
- **Total Award Package:** \$32,000 over a two-year period



EPP Undergraduate Scholarship Program



NOAA has trained 115 undergraduate students in the EPP Undergraduate Scholarship Program.

Org.	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	Total
OAR	1	2	2	0	2	2	0	2	11
NWS	1	1	2	3	4	5	5	4	25
NOS	0	2	5	7	13	3	3	5	38
NMFS	2	1	1	3	2	4	5	1	19
NMAO	0	1	0	0	1	0	0	3	5
NFA	1	0	0	0	1	0	0	0	2
NESDIS	1	1	0	2	4	1	2	1	12
GC	2	0	0	0	0	0	0	0	2
NCAS	0	0	0	0	1	0	0	0	1
TOTAL	8	8	10	15	28	15	15	16	115



Student Scholarship Programs



Ernest F. Hollings Undergraduate Scholarship Program

- Designed to increase undergraduate training in oceanic and atmospheric science, research, technology, and teacher education. Additionally, it is designed to recruit and prepare students for careers with NOAA and other natural resource agencies, or environmental science educators.
- NOAA funds 100+ scholarships per year
- Students participate in one paid summer internship
- **Program Duration:** Two years

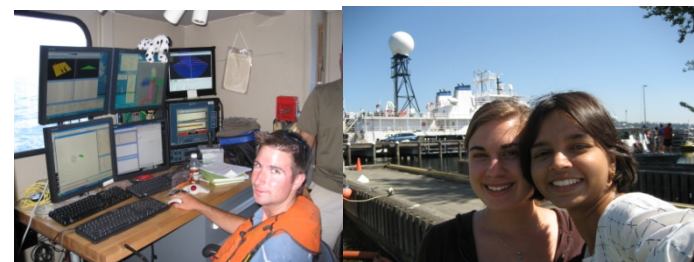




Ernest F. Hollings Undergraduate Scholarship Program



- **Eligibility**
 - U.S. citizenship
 - Rising junior attending an accredited college or university.
 - 3.0 G.P.A. in all completed undergraduate courses and major field of study.
 - Major in NOAA-related fields, including, but not limited to science, mathematics, engineering, remote sensing technology, physical and social sciences including geography, physics, hydrology, or teacher education.
- **Benefits**
 - Financial assistance per academic year during full-time study (up to a maximum of \$8,000 per year)
 - One paid 10-week summer internship (\$650/week) after the junior year
 - Housing subsidy during the summer internship
 - Travel funds to conferences to present summer project findings
- **Total Award Package: \$30,000**





Hollings Undergraduate Scholarship Program



NOAA has trained 323 Ernest F. Hollings Undergraduate students.

Org.	FY05	FY06	FY07	TOTAL
OAR	50	31	19	100
NWS	11	17	16	44
NOS	18	18	23	59
NMFS	28	29	37	94
NMAO	1	2	6	9
NESDIS	2	4	10	16
PPI	1			1
TOTAL	111	101	111	323



Undergraduate Scholars Timeline



Fall 2008

- *September* -- Summer internship opportunities identifying positions submitted to OEd by NOAA mentors
- *October* - Student scholars receive summer internship opportunities
- *October to December* - Student scholars contact NOAA mentors to discuss summer internship(s)
- *December to April* – Student scholars conduct internship site visit to solidify summer project

Spring 2009

- *May/June* – Student scholars begin internship (9 weeks)
- *July 27-31* – Student scholars present their summer projects during mandatory final presentation week in Silver Spring, MD



Undergraduate Scholars Mentor Requirements



- Identify a discreet project which can be completed in 9 weeks.
- Provide office space; a computer; and, access to a telephone, fax, and the internet.
- Provide day-to-day guidance as needed.
- Complete required documentation including Project Plan, biweekly project training records, midterm assessment, and final evaluation
- Complete online Mentor Training

ALL COSTS for the scholar including travel to/from the summer internship site and one conference, weekly stipend payments, and housing subsidy are provided by the Office of Education



Oyster Restoration



How do I get started?

1. Complete the 2009 Internship Opportunity Form available at:

http://www.oesd.noaa.gov/Hollings_info.html

2. Submit the form to StudentScholarshipPrograms@noaa.gov by September 24, 2008

3. Students interested in the internship opportunity will contact you between October and December to discuss the project further and possibly schedule a site visit!





Student Scholarship Programs 2009 Summer Internship Opportunity



Intern's Project Title: _____
___ Undergraduate ___ Graduate ___ High School

Check area (s) of discipline required:

___ Biological Sciences ___ Computer Science ___ Education
___ Mathematics ___ Social Sciences ___ Policy
___ Technology (select): ___ Information ___ Remote Sensing ___ Environmental
___ Engineering (select): ___ Civil ___ Mechanical ___ Electrical ___ Environmental
___ Physical Sciences (select): ___ Physics ___ Chemistry ___ Meteorology ___ Oceanography
___ Other, please specify: _____

Internship Location:

City: _____ State: _____

NOAA Mentor Contact Information (Mentor must be in the office during the internship):

Name: _____ Phone: _____
E-mail Address: _____ Fax: _____
NOAA Line/Staff/Program Office: _____
Mailing Address: _____

Intern Duties/Responsibilities: (Please be specific, use additional sheets if needed)

- 1.
- 2.
- 3.

Identify special skills or training required:

- 1.
- 2.

Please e-mail this form to studentscholarshipprograms@noaa.gov. If you have any questions, please contact the Educational Partnership Program Office at (301) 713-9437 x150.



Undergraduate 2007 Summer Internships (Ocean Sciences)



Charleston, SC

- Fundamental Research on Quantification and Characterization of Metalloproteins (NOS)
- Marine Natural Products and Human Health (NOS)
- Development of Advanced Information Technology Systems in Support of Marine Genomics (NOS)

Ann Arbor, MI

- Evaluate role of dreissenid mussels in promoting harmful algal blooms in the Great Lakes (NOS)

Silver Spring, MD

- Geospatial Analysis of Estuarine Oceanographic Data (NOS)
- Ocean Education Materials Development (NOS)
- Developing A Satellite Remote Sensing Product For Coral Disease (NESDIS)
- Examine ocean characteristics based on the World Ocean Database (NESDIS)

San Francisco, CA

- Marine Sanctuary Ecosystem Protection (NOS)
- Creating and publishing a comprehensive species list for San Francisco Bay National Estuarine Research Reserve (NOS)

Miami, FL

- Ocean Chemistry Division - Nutrient Lab (OAR)





Undergraduate Scholars FAQs



- Can I contact student scholars who I think would be good candidates for the internship?
- Can OEd pay for a summer intern who is not in one of the two undergraduate programs?
- Can I host more than one scholar?
- Three scholars contacted me, what should I do?
- Can the student scholar drive a government vehicle?
- Have more ?'s Go to our mentor FAQs:
<http://www.oesd.noaa.gov/mentorFAQs.htm>



Should I Hire a Graduate Student?



- Do you have a vacancy either now or in 2 to 4 years from now? Are you involved in succession planning?
- Are you interested in filling that vacancy with an individual whom you can train through their education and graduate research?
- Are you interested in fostering research collaborations with academic institutions?

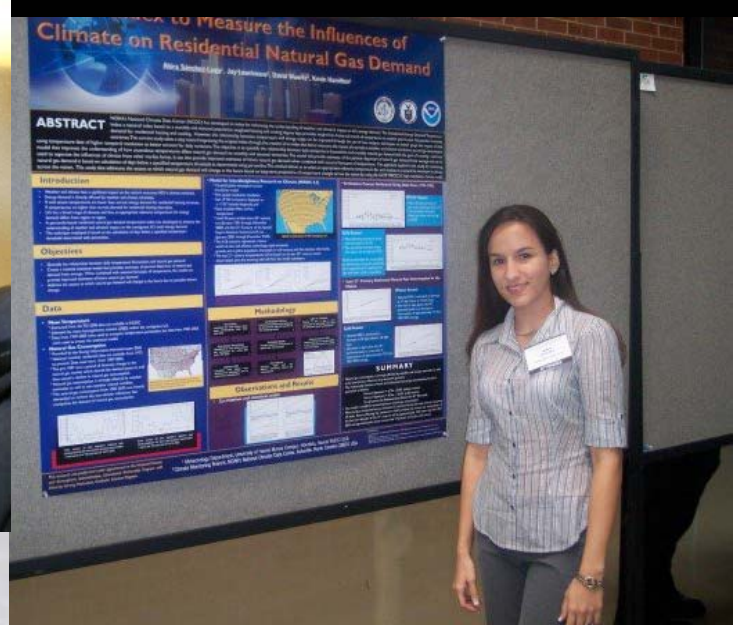


Dr. Marian Westley
uploading gear on RV
Knorr in the Black Sea



DaNa Carlis, PhD, on Hurricane Hunter

Ahira Sanchez-Lugo, MS, at EPP
Forum 2006





Graduate Sciences Program



- Specifically designed to recruit and provide graduate level training to qualified women and minority candidates in NOAA-related sciences
- Individuals are trained in a pre-determined course of study to meet the specificity of NOAA's scientific occupations
- Mentorships are established between students and NOAA staff to strengthen collaborative research in NOAA's mission related areas
- The Office of Education supports all costs (salary, tuition, travel) associated with the student until they complete their degree. Upon completion of the degree, the trainee is reassigned as a full-time employee to the Line Office. The Line Office provides an FTE and assumes all costs at that time.
- NOAA selects up to five student trainees annually



Graduate Sciences Program



- **Eligibility**
 - U.S. citizenship
 - Individuals accepted into a graduate program at an accredited university
 - Pursuing a graduate degree in a NOAA mission related scientific field
 - Have and maintain a 3.0 grade point average
 - Full-time student at the time of application
- **Benefits**
 - Total yearly support includes full tuition, \$3,000 meal allowance, reimbursement of housing, fees, books, travel to conferences to present their research, work at least 640 hours of paid internships each year, miscellaneous expenses, etc.
 - Master's Students: Maximum of 2 years
 - Doctoral Students: Maximum of 4 years
 - Permanent full-time position upon completion of academic degree requirements (~\$48K to \$58K)
 - Locality pay based on your geographic location



Graduate Sciences Program



NOAA has hired 42 Graduate Scientists into the workforce to date.

Line Office	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	Total
NESDIS	2	2	1	2	1	1	1	0	0	10
NWS	1	0	1	0	1	0	1	1	0	5
OAR	1	1	1	0	1	0	0	0	0	4
NMFS	0	2	1	1	1	0	2	3	1	11
NOS	1	1	1	0	1	1	2	3	2	12
TOTAL										
	5	6	5	3	5	2	6	7	3	42



Graduate Sciences Program Timeline



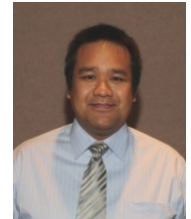
Fall 2008

- *Identify a Position*
- *Submit the following paperwork to OEd:*
 - Original SF-52 with signatures
 - CD-541- performance plan
 - Trainee Position description
 - Target Position description
 - CD-516



**Larry Alade
(2004)**

**Dominic
Hondolero
(2008)**



**Amber
Morris
(2006)**



**Michael
Edwards
(2004)**



2009

- *January 30, 2009* – Student application deadline
- *February 20, 2009* – Student applications disseminated to Line Offices for selection
- *March 20, 2009* – Line Office provide selections to OEd (rank top 3)
- *May 26, 2009* – New class of Graduate Scientists sworn into Federal service, students visit duty station for 2-3 days
- *Aug/Sep 2009* – Students report to University for coursework



Office of Education Scholarship Programs' Web Sites



- Graduate Sciences Program, <http://epp.noaa.gov>
- EPP Undergraduate Scholarship Program, <http://epp.noaa.gov>
- Ernest F. Hollings Undergraduate Scholarship Program, http://www.oesd.noaa.gov/Hollings_info.html
- Dr. Nancy Foster Scholarship Program, <http://www.fosterscholars.gov> and <http://www/grants.gov>



For additional information:



Student Scholarship Programs Manager
Chantell Haskins

Graduate Scholarships
Priti Brahma

E-mail: StudentScholarshipPrograms@noaa.gov
(301) 713 9437 x150

Director, Educational Partnership Program
Jacqueline Rousseau
(301) 713 9437 x124
Jacqueline.J.Rousseau@noaa.gov