



## NSF “Stimulating Hispanic Participation in Geosciences”

### SHIP-GEO SCHOLARSHIP APPLICATION

#### PROGRAM DESCRIPTION

Geoscience is vital to understanding and solving crucial global threats such as shortages of water, energy and food, and mitigating natural hazards in the coming century. American Geosciences Institute (AGI) estimated that there will be a shortage of 135,000 geoscientists by 2022. However, the geoscience workforce in the US is facing not only a serious shortage for the coming decade, but the field struggles to keep pace with the changing national demographics. Of all of the STEM fields, geoscience has the least ethnic diversity, with Hispanics accounting for only ~3%, a clear consequence of the historically low enrollment of Hispanic students in geoscience fields. The goal of SHIP-GEO (funded by NSF, National Science Foundation) at UTRGV is to contribute to diversifying and reducing the predicted shortage in the US geoscience workforce (Earth, Environmental, and Marine Sciences) for the coming decade. The project’s goal will be accomplished by implementing activities geared toward student awareness, recruitment and retention, and career preparation activities.

SHIP-GEO offers each selected student a scholarship of \$2,500 USD. Students awarded scholarship will be given in three increments of \$500, \$1000, and \$1000 USD in checks/through direct deposit for their junior and senior years in Environmental Sciences program. Up to twenty (20) scholarships are available for AY 2016-2017. Sophomores and juniors are especially encouraged to apply. (Exceptional seniors are also welcome to apply)

#### QUALIFICATION

- U.S. citizens, U.S. nationals, or permanent residents of the United States
- Declare major in Environmental Science
- Maintain a “good” grade average
- Progress toward graduation with a BS in Environmental Science

“UTRGV does not discriminate on the ground of race, national origin, handicap, age, religion, or sex in its administration of its federally assisted programs. Funding to support students under this announcement is provided by the National Science Foundation (NSF) under award #1600585. As per the award terms and conditions, undergraduate student participants directly supported with NSF funds must be U.S. Citizens, U.S. nationals, or permanent residents of the United States.”

Address questions to [geosciences@listserv.utrgv.edu](mailto:geosciences@listserv.utrgv.edu).



**APPLICANT BACKGROUND INFORMATION**

Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Classification: Freshman\_\_ Sophomore \_\_ Junior\_\_ Senior\_\_

GPA: \_\_\_\_\_ Expected graduation date (Month/Year): \_\_\_\_\_

Major: \_\_\_\_\_ Minor: \_\_\_\_\_

Checked two or three Geoscience/Earth Science areas that currently interest you the most:

Sedimentology, Stratigraphy	Geoinformatics, GIS, Remote Sensing	Soil Sciences	Agroecology
Mineralogy, Petrology	Geomorphology	Oceanography, Marine Geology	Hydrogeology
Applied Geosciences (e.g., water resources, contamination, remediation, energy, mining, petroleum etc.)			
Others (e.g., policy, climate, management, history, sustainability etc. Please indicate here.)			

Permanent Home Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_ UTRGV E-mail Address: \_\_\_\_\_

Cell Phone: \_\_\_\_\_

US Citizen: \_\_\_\_\_ Permanent Resident \_\_\_\_\_ Other: \_\_\_\_\_

Campus you mostly attend:

Brownsville \_\_\_\_\_ Edinburg \_\_\_\_\_

*I certify that the information provided in this application is accurate and complete to the best of my knowledge.*

Signature: \_\_\_\_\_ Date: \_\_\_\_\_





#### **APPLICATION MATERIAL CHECKLIST**

Applicants should prepare the following items and

**EMAIL COMPLETED APPLICATION (in One PDF file) to [chulin.cheng@utrgv.edu](mailto:chulin.cheng@utrgv.edu) by 5pm, 12/20/2016.**

- Applicant background information sheet with signature (page 2 of application)
- A cover letter (personal statement; 1 page, typewritten, single spaced, 12 point Times New Roman font, 1 inch margins) describing:
  - why you are interested in SHIP-GEO
  - what you hope to gain from SHIP-GEO
  - how this is relevant to your academic and career goals
  - whether you have previous laboratory or field research experience; if so, explain
  - indicate two or more fields interested in Geosciences
- A resume (1 page)
- An unofficial transcript (college courses taken)
- Two letters of recommendation
- Proof of U.S. citizenship, U.S. national, or permanent resident status (photocopy)
- GPA approximately 3.0 or better

#### **AWARD ANNOUNCEMENT**

Award will be announced **2/15/2017.**