



NSF “Stimulating Hispanic Participation in Geosciences”

SHIP-GEO SCHOLARSHIP APPLICATION (2017-18)

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 up to \$2,500 USD. Students awarded scholarship will be given in increments of \$500 USD per semester for their tuition. Up to **thirty (30) scholarships** are available for AY 2017-2018. *Sophomores and juniors* are especially encouraged to apply. (*Exceptional seniors and freshmen* are also welcome to apply)

QUALIFICATIONS FOR AWARD AND CONTINUING PAYMENTS

- U.S. citizens, U.S. nationals, or permanent residents of the United States
- Declare major in Environmental Sciences
- 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.



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. Please indicate here.)			
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 by 5pm, 1/31/2018.

- Applicant background information sheet with signature (page 2 of this packet)
- 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 on **2/19/2018**.