LAKES REU Program

Summer research internship with the National Science Foundation sponsored Research Experience for Undergraduates (REU) site at University of Wisconsin-Stout in Menomonie, Wisconsin. This is the fourth year of the LAKES REU program; you received an announcement at this point last year as well. We select 10 new students each summer.

The LAKES (Linking Applied Knowledge in Environmental Sustainability) REU focuses on water quality and phosphorus mitigation in an interdisciplinary manner over an 8 week program (June 11-August 5), with projects this year in geography, economics, biology, anthropology, and sociology. Students will be provided with room and board and a generous stipend during their participation in the LAKES program.

This program prioritizes students under-represented in the scientific community, pairing them with mentors in individual projects. These collectively will contribute to a more complete understanding of the dynamic interactions of our land and water, our political economy, our social networks, our culture, and our sense of place. We will start reviewing applications for the 2017 summer program on March 1st. Complete program information can be found here: [http://www.uwstout.edu/lakes/](http://www.uwstout.edu/lakes/). Questions can be directed to: lakes@uwstout.edu

AIPG National Undergraduate Scholarship

Purpose

To assist students with college education costs and to promote student participation in the American Institute of Professional Geologists (AIPG). Up to ten scholarships will be awarded to declared undergraduate geological sciences majors who are at least sophomores. Details for applying for these scholarships are provided below.

Scholarship Awards

Scholarship awards in the amount of $1,000.00 each will be made to eligible students attending a college or university in the U.S. Scholarships are intended to be used to support tuition and/or room and board.

Eligibility Requirements

Any student who is majoring in geology (or earth science), is at least a sophomore, and is attending a four-year accredited college or university in the U.S. can apply. Also, the student must be either a student member of AIPG or must have applied for student membership at the time the application for the scholarship is submitted.

Each student who is awarded a scholarship agrees, by accepting the scholarship, to prepare a 600 to 800 word article for publication in The Professional Geologist. The subject of the article must be related to a timely professional issue.
**Application Process**

Submit a cover letter introducing yourself and tell us what you have done outside of the classroom such as research projects, officer in club, or outside activities within the community. Address your career goals in near term and longer term. Provide your academic objectives: If you are attending a two-year institute do you plan to continue to a four-year institute and complete a degree? If you attend a four-year institute do you plan to attend graduate school?

Submit an essay on “Why I Want to be a Geologist.”

Submit a copy of your transcript (unofficial) and documentation that you are a current student. Requisite standards to apply are a minimum GPA of 2.8 (on a 4 point scale) and a minimum of 12 semester credits of geology/geoscience courses with a 3.0 GPA in these courses completed at time of application.

Submit a letter of recommendation from a geology/geoscience professor that provides an emphasis on your performance and activities in the classroom, in the department, and your character in how you work and help other students.

**The application packet should be submitted to:**

American Institute of Professional Geologists  
Attn: Education Committee Chr.  
12000 Washington St., Suite 285  
Thornton, Colorado 80241-3134

Questions regarding the application process can be directed to Dorothy Combs by telephone (303) 412-6205 or e-mail: aipg@aipg.org.

**Application Deadline and Award Date**

Applications must be received by February 15th Awarded the month of May

**Basis of Awards**

Awards will be based on the cover letter, recommendation, transcript and the content and creativity of the essay as judged by the Education Committee. The decisions of the Education Committee are final.

**Miscellaneous**

Application requirements for student membership to AIPG: Student must be currently enrolled in a geological science degree program (as defined by the American Geosciences Institute).

**AIPG student membership is available online or applications can be obtained from:**

American Institute of Professional Geologists  
12000 Washington St., Suite 285, Thornton, Colorado 80241-3134  
(Application forms are also available on the AIPG website [http://www.aipg.org](http://www.aipg.org) Join Online! Student Membership is Free!
Foundation of AIPG William J. Siok Graduate Scholarship Program

Purpose

To assist graduate students with college education costs and to promote student participation in the American Institute of Professional Geologists (AIPG).

One scholarship will be awarded to a declared graduate student in an accredited geoscience program with an emphasis in environmental geoscience and/or hydrogeology. Details for applying for this scholarship are provided below.

Scholarship Awards

Scholarship award is in the amount of $1,000.00 to an eligible graduate student attending a college or university in the U.S. Scholarships are intended to be used to support tuition, room and board, and/or research.

Eligibility Requirements

Any graduate student who is majoring in the geosciences in the U.S. can apply. Also, the student must be either a student member of AIPG or must have applied for student membership at the time the application for the scholarship is submitted.

The student who is awarded the scholarship agrees, by accepting the scholarship, to prepare a 600 to 800 word article for publication in The Professional Geologist. The subject of the article must be related to a timely professional issue.

Application Process

Submit a cover letter introducing yourself and tell us what you have done outside of the classroom such as research projects, officer in club, or outside activities within the community. Address your career goals in near term and longer term.

Submit an essay on “Why I Want to be a Geologist.”

Submit a copy of your transcript (unofficial) and documentation that you are a current student. Requisite standards to apply are a minimum GPA of 2.8 (on a 4 point scale) and a minimum of 12 semester credits of geology/geoscience courses with a 3.0 GPA in these courses completed at time of application.

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(Application forms are also available on the AIPG website [http://www.aipg.org](http://www.aipg.org)) Join Online! Student Membership is Free!

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**Announcing a Student Seminar in Sustainability in Germany**

Apply by Friday, February 10th, 2017!

More information can be found at

[http://cols.uwosh.edu/viessmann-academy/](http://cols.uwosh.edu/viessmann-academy/) or by contacting the faculty mentors: Nathan Stuart (stuartn@uwosh.edu) and Monika Hohbein-Deegen (deegen@uwosh.edu).

There will be a presentation about the trip on Wednesday, February 8th, at 5:30 pm in Sage 1216.

**Student Seminar in Sustainability**

The Viessmann Academy is a week-long seminar about sustainability at the Viessmann headquarters in Allendorf, Germany. During this week, 20 UW Oshkosh students and 10 German students currently interning at the Viessmann Corporation will jointly listen to lectures, tour company facilities, and work in small groups on projects related to sustainability. Topics will focus on the Viessmann approach to sustainability, Viessmann’s technology and business model, and climate change and renewable energies in Germany, the European Union, and the United States.

Two UW Oshkosh faculty members will accompany you and serve as mentors throughout the on-campus sessions and the international travel.

The first week of the international component is set in Berlin, the capital city of Germany. Led by a UW professor who is a native of Germany, you will visit major tourist and historical sites such as the Brandenburg Gate, the Bernauer Straße Berlin Wall Memorial, Checkpoint Charlie, the Holocaust Memorial, and the Bundestag. You will also have some free time to explore the city on your own. During the time in Berlin, you will stay in a youth hostel, sharing a room with other members of the group.

The second week of the international component, the Viessmann Sustainability Academy, is set at the Infocenter facility of the Viessmann Group in Allendorf, Germany. During the Viessmann Academy, you
will stay at the Viessmann guest house, which is about 15 minutes from the Infocenter. Lectures and group work will take place at the Infocenter and we will take field trips to see various Viessmann facilities. You will also have time to socialize with the German students.  

**Dates**  
Orientation/class dates in Oshkosh will be April 1 (9am-12pm), April 8 (9am-12pm), April 22 (9am-3pm), and May 6 (9am-12pm).

We plan to leave Oshkosh on May 22 and return to the United States on June 4.  

**Class Credit**  
The Viessmann Academy is offered as a 3-credit hour class. You can enroll in Business 494 (COB International Study Tour) or Interdisciplinary Studies 350 (COLS Special Topics).  

**Cost**  
We anticipate that the program cost (excluding spending money) will be around $1,200. The Viessmann Group graciously supports students in the Sustainability Academy by subsidizing the airfare and providing lodging and meals during the Viessmann Academy time. Exact program costs will be announced as soon as possible.

Dr. Monika Hohbein-Deegen  
Department of Foreign Languages and Literatures  
Clow Faculty 328  
deegen@uwosh.edu

Dr. Nathan Stuart  
Department of Accounting  
Sage 1459  
stuartn@uwosh.edu

The NASA Planetary Geology and Geophysics Undergraduate Research Program (PGGURP) is accepting applications from students who are interested in exploring planetary science for 8 weeks this summer under the mentorship of a NASA-funded researcher.

See [https://www.acsu.buffalo.edu/~tgregg/pggurp_homepage.html](https://www.acsu.buffalo.edu/~tgregg/pggurp_homepage.html) for more details and for the online application form. Applications are due on **February 10, 2017**.

Students who have completed at least one year of undergraduate studies and have not yet started a graduate program are eligible. Preference is given to US citizens and residents.

Please email PGGURP@buffalo.edu with any questions.

**Position with Newmont Mining: Geologist, Underground Geology – Leeville, Nevada**

**Job Number:** 161815

**Description**  
Newmont, founded in 1921 is one of the largest mining companies in the world with operations in North America, South America, Australia, Indonesia, and Ghana. Newmont’s mining operations in Nevada include the Carlin trend located west of Elko; the Twin Creeks mine located north of Golconda; the Lone Tree complex near the town of Valmy; and the Phoenix mine located near Battle Mountain. Our newest project is Long Canyon nestled in the Pequop Mountains. Our properties boast the widest variety of processing methods, and include Open Pit and Underground. Our work culture embraces diversity, engages employees, fosters innovation, rewards high performance and develops great leaders.
Perform and/or supervise moderately complex geology/geophysics/geochemistry duties related to specific phases of larger projects (mine, development or exploration) or works independently on all aspects of smaller projects. Essential job duties include:

- Perform field sample preparation and shipping, as required
- Drill planning, core and RC chip logging, ore control, QAQC, and 3D modeling (a working knowledge of three dimensional modeling software such as Vulcan and Leapfrog is a plus)
- Construct maps and diagrams
- Consult with geologists as a technical team member
- Coordinate the activities of geologists, technicians, and contractors to achieve individual project goals
- Write comprehensive reports and presentations for review by senior management, joint venture partners and regulatory agencies
- Perform data entry and database management functions as necessary; familiar with standard computer programs (i.e. Word, Excel, etc.)
- Conduct peer reviews of all appropriate projects and programs
- Build experience in managing, mentoring, developing, and training junior geologists and ensure quality of work
- Collect, compile and analyze production, development and/or exploration data and results. Recommend, plan, schedule, implement, and track appropriate actions/programs
- Collect geochemical samples according to defined best practices, including collection and recording of field observations and supervision of contract samplers
- Perform geophysical activities essential to exploration, near-mine or in-mine programs in support of a project or mine team, including geophysical data acquisition and interpretation of geophysical data in conjunction with geological team members
- Design geochemical surveys to address exploration questions, including provisions for staffing, equipment, and quality control
- Duties may include budget estimation, submittal, and management - completing projects on budget and within planned time frames
- Participate in limited portions of exploration, development, and mine geology property reviews and acquisitions
- Demonstrate a strong commitment to safety and the environment and the ability to work safely on a daily basis
- Employees must comply with regulatory health and safety regulations, company policies and procedures and the Company's environmental compliance policy
- May be required to spend extended periods away from home base
- Be able to work in mines, project sites, and/or greenfield exploration environments where conditions may be primitive and/or harsh at times. (Primitive/Harsh equals surface or underground environments, hot to extreme cold, desert or tropical rain forest to tundra conditions, remote field camps, high mountain terrain, steep rough terrain, long distance and/or time to advanced medical care.)

The above duties and responsibilities are representative of the nature and level of work assigned and are not necessarily all-inclusive

**Qualifications**

- Bachelor of Science or M.S. degree in Geosciences or related field with knowledge of geological principles and 5-10 years of industry related experience in a mining or exploration environment and a strong commitment to safety in support of an underground mine operation.
- Duties require the application of scientific knowledge and theory with latitude for independent judgment and decisions. Geoscientists at this grade level must be able to complete the roles with minimal supervision

**Job:** Geology  
**Primary Location:** USA-NV-Carlin  
**Apply At:** [https://newmont.taleo.net/careersection/newmont+external/jobsearch.ftl?lang=en](https://newmont.taleo.net/careersection/newmont+external/jobsearch.ftl?lang=en)
Engineering and Science Research Opportunity at Oak Ridge National Laboratory (ORNL) – Oak Ridge, TN

Appointments for Summer 2017!

Apply NOW to the Nuclear Engineering Science Laboratory Synthesis Programs (NESLS) Program at Oak Ridge National Laboratory (ORNL) – Summer 2017

Must apply at https://www.zintellect.com/Posting/Details/2649 by February 28, 2017 for Summer term

- Current AAS, BS, MS, and PhD students – Majors related to Engineering, Earth and Geosciences, Environmental and Marine Sciences, Life Health and Medical Sciences, Mathematics and Statistics, Nanotechnology, Chemistry, Physics, International Relations, Political Science, Government, Policy, Risk Analysis, Science Writing, Public Affairs, and Computer Sciences

- Stipend based on academic status – range from $529/week to $935/week for full-time; pro-rated for part-time

- Travel/Housing assistance (if eligible)

- Professional development activities

- Minimum GPA - 3.0/4.0

- Open to U.S. Citizens, Legal Permanent Residents (LPR) and Eligible International Citizenship

Visit http://www.orau.org/ornl or contact ORNL Education Programs at ornledu@orau.org for more information!

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UNDERGRADUATE RESEARCH GRANTS

The Department of Geology is pleased to announce its annual competition for undergraduate research grants. These funds are available thanks to the C.W. Fetter Endowed Research Fund, established through gifts from Dr. Fetter, emeritus faculty members, alumni, current faculty members, and friends. To qualify for one of these awards, which will average $200 to $700, a student must have submitted a research grant proposal to one or more of several undergraduate research funding sources. These grant opportunities include GSA, Sigma Xi, and UW Oshkosh (see links below for details). The proposal must have been written by the student, not the student’s research collaborator on the faculty. To be considered for a Geology Research Grant, the student should submit to the Department Chair a copy of the research proposal that was submitted to one of the above sources along with a cover letter that explains how much funding has already been received and from what sources. This year’s deadline for submission is March 24, 2017. Proposals will be judged based upon their scientific merit, the proposer’s academic background, and the budget justification.

FYI: Places to apply for undergraduate research grants:
TUTORING

TUTORING FOR STUDENTS IN 100-LEVEL GEOLOGY COURSES IS AVAILABLE AT THE FOLLOWING TIMES IN HARRINGTON 114.

Monday  --  5:30PM - 7:30PM – Ali  
Tuesday --  5:30PM - 7:30PM – Tucker  
Wednesday --  5:30PM - 7:30PM – Jordan

Back-up Tutor: Anna

FOR THE SPRING ’17 SEMESTER, HARRINGTON HALL WILL BE OPEN ON SATURDAYS AND SUNDAYS FROM 1:00 TO 3:00 P.M. PLEASE PUT YOUR NAME ON THE SIGN UP SHEET OUTSIDE H118 IF YOU PLAN ON COMING.

***ENTER THROUGH THE FRONT DOOR ON ELMWOOD AVENUE***

YOU MUST HAVE A CURRENT AFTER-HOURS BUILDING PASS (GOOD FOR ONE ACADEMIC YEAR) TO BE ADMITTED TO THE BUILDING.  
SEE COURTNEY IN THE GEOLOGY OFFICE, ROOM 215.