

December 8, 2023

COSM MONTHLY ANNOUNCEMENTS NEWSLETTER



Photo of the CoSM Ambassadors displaying their handmade ornaments

COMEDY Corner

- What do you call a snowman with a six pack?
• **An abdominal snowman.**
- What does the Gingerbread Man use to make his bed? **Cookie sheets!**

Submit your Math & Science jokes/memes to be possibly featured in the next issue to ksabin@astate.edu

This monthly newsletter is a great resource for all CoSM students to stay up to date on current Internships, Research Opportunities, Summer Programs, and so much more!



Internships

An internship provides you with experience related to your major. It is an opportunity to learn how to synthesize theory into practice.

Research Opportunities

Conduct research as individual as your interests. We have many outstanding researchers that are available to mentor students through their endeavors.

Summer Programs

There are many benefits to summer programs. You can explore your passions, keep your skills sharp, and access research opportunities to name a few.

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December 8, 2023

INTERNSHIPS

Oak Ridge Office of Environmental Management Science Education and Internship Program

Apply now: <https://zintellect.com/Opportunity/Details/OREM-2022>

The Oak Ridge office of the U.S. Department of Energy (DOE)'s Office of Environmental Management (EM) <https://www.energy.gov/em/oak-ridge> is seeking fellows to engage in projects and activities related to DOE's Legacy Clean-up Missions at East Tennessee Technology Park, Oak Ridge National Laboratory, and Y-12 National Security Complex sites. EM's first priority is to ensure the safety and health of the public and EM's workforce while continuing to protect the environment. The Oak Ridge office carries out the mission using sound business practices, innovative management approaches, and science and technology to reduce risks and costs within the EM regulatory framework. The fellow will receive training, coaching and mentoring from the EM-92 branch chiefs to effectively accomplish appointment goals. Appointments may involve projects focused on

- **Engineering**
- **Science**
- **Research**
- **Technology**
- **Policy**
- **Business**
- **Government Relations**

Qualifications

To qualify for the DOE Oak Ridge Environmental Management Science Education and Internship Program, you will need to meet the following eligibility criteria:

- **Have a cumulative GPA of 3.0 on a 4.0 scale.**
- **U.S. citizenship (verification will be required if selected)**
- **Be at least 18 years of age at the time the appointment begins**
- **Postgraduate of an accredited institute of higher education**

The EM Oak Ridge office is seeking qualified candidates who possess the appropriate bachelor's/master's degrees in engineering, physical science, and business/accounting.

How to Apply

Submit your application in Zintellect at the following link:

<https://zintellect.com/Opportunity/Details/OREM-2022>



December 8, 2023

INTERNSHIPS

Department of Homeland Security Transportation Security Laboratory Summer Program 2024

Are you an undergraduate or graduate student looking for a paid Summer opportunity?

The Department of Homeland Security (DHS) Transportation Security Laboratory (TSL) Visiting Scientist Program is offering 10-week summer internships for undergraduate and graduate students. This internship provides the opportunity to independently utilize your skills and engage with experts to move the proposed research forward.

Benefits include a competitive stipend and an opportunity for a monthly housing supplement during the appointment.



Apply Now!

Application Deadline is January 16, 2024

Visit:

<https://www.zintellect.com/Opportunity/Details/DHS-TSL-Summer-2024> or scan the QR code below for more details and to apply!

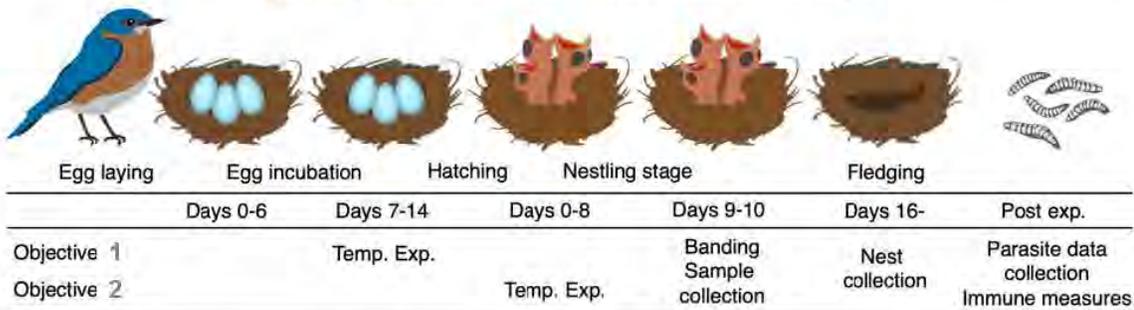


Email DHSed@orau.org with any questions!

INTERNSHIPS

Internship/Research Opportunity Mid-March to Mid-August 2024

How does temperature during incubation influence developmental immunity against parasites in Eastern Bluebird nestlings?



Location: Jonesboro, AR

Times: Everyday from 7 am on, but I can work with your schedule

Compensation:

- In kind: Internship, Special Problem, Honors thesis
- Monetary: up to \$5,000 based on hours invested

Qualifications: no experience required, but

- be enthusiastic and willing to learn
- be punctual
- keep open communication
- be ok with bugs and Arkansas weather

Tasks:

- Collecting data on nesting activities and resighting/trapping parents
- Setting up temperature treatment groups
- Banding and recording basic data on chicks and their parents
- Collecting feathers, feces, and blood samples from chicks
- Quantifying hemoglobin levels and separating plasma from red blood cells
- Collecting nests once chicks are gone

Contact: Dr. Virginie Rolland (vrolland@astate.edu)

This Nest Parasite Community Science Project is a collaboration led by Dr. Knutie at University of Connecticut.

 @jonesborobluebirdtrail, @parasitesquad



December 8, 2023

INTERNSHIPS



MEISPP 2024

**12-WEEK PAID
SUMMER INTERSHIP**



NETWORK

Engage with federal employees, National Lab Scientists, and other interns.



LEARN

Acquire new and applicable skills to support your education and future career path.



EXPERIENCE

Whether virtual or hybrid, be fully immersed in the federal sector and gain hands-on experience.



**MEISPP@ORISE.
ORAU.GOV**

**ALL MAJORS
ELIGIBLE**

BENEFITS

- Weekly Stipend
- Housing Allowance
- Relocation Allowance
- Free trip to Washington, D.C. for Orientation

ELIGIBILITY

- US Citizen
- Currently enrolled or recently graduated (SP22 or later) from an eligible Minority Serving Institution
- Minimum 3.0 GPA

**APPLY
TODAY!**

Deadline:
February 15,
2024



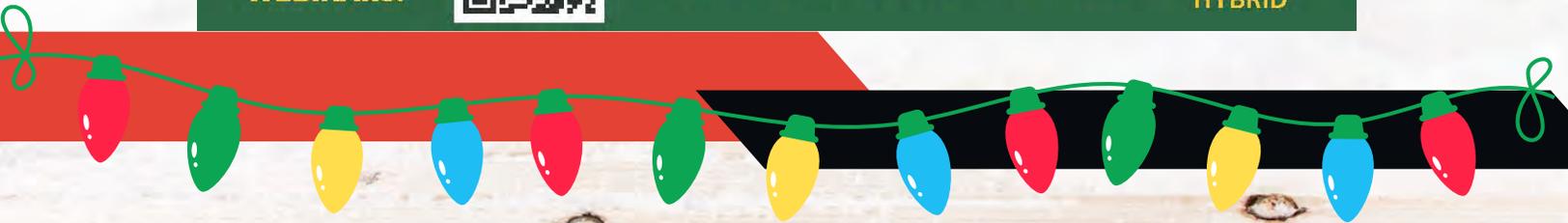
**WANT TO
LEARN MORE?
ATTEND OUR
WEBINARS!**



U.S. DEPARTMENT OF
ENERGY



**VARIOUS
LOCATIONS:
REMOTE OR
HYBRID**



December 8, 2023

INTERNSHIPS

About the Tjuana Byrd Summer Internship Program

The Women's Foundation of Arkansas is proud to launch the fourth annual 2024 Tjuana Byrd Summer Internship Program, named after the Foundation's first Black president. In partnership with several companies located in Arkansas, we will be offering a 12-week summer internship program for women of color attending college in Arkansas and pursuing degrees in Science, Technology, Engineering, Arts, & Mathematics (finance & related majors included). Thanks to the companies' commitment to equity and generosity, the internship will pay \$15-20 an hour*, provide free housing for the duration of the program, access to mentorship and networking events, and professional development workshops. Company executives have also agreed to participate in diversity, equity and inclusion training provided by the WFA prior to the program. Our internship program is intentionally designed to increase access to and representation in these fields for women of color in our state by eliminating barriers of cost, social capital, and location.

*dependent on company placement

Applications for our 2024 Tjuana Byrd Summer Internship will close on December 22, 2023.

General Internship Details

- Each company will host interns and pay \$15-20 an hour, depending on company
- 4 -person fully furnished apartments will be provided by WFA for each company's intern cohort for the duration of the program
- Weekly networking events will be hosted by partner companies & other community sponsors
- WFA will provide professional development workshops prior to and during the internship program
- Interns will receive the opportunity to present to each company at the end of the program
- The 12-week program will run from approximately May 17, 2024 – August 9, 2024

Internship Eligibility

Students eligible to apply will:

- Identify as a woman
- Be a person of color and/or of a minority race or ethnicity
- Pursuing a 2-year or 4-year degree in the fields of science, technology, engineering, & math (finance & related majors included)
 - Information on relevant majors per company & department is below
- Attending university in the state of Arkansas
- A rising junior, senior, or graduate student as of May 2024

Internship Application

Before applying, please read the company information to learn more about which companies would be the best fit for your skills, education, and career goals.

For the application you will need:

- A copy of your resume
- Unofficial transcripts from all universities where you have completed coursework
- Two recommendations (preferably from someone familiar with you in an academic setting & another from someone familiar with you in a professional setting)

<https://girlsofpromise.org/tjuana-byrd-summer-internship-program/>

December 8, 2023

RESEARCH OPPORTUNITIES

EECBG



U.S. DEPARTMENT OF
ENERGY



OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION

Energy Efficiency and Conservation Block Grant
DOE-STP Fellowship Opportunity

Fellowship Activities

- Gain experience in **Grants Management**
- Learn about **Clean Energy Technology**



Participant Benefits

Participants will receive a stipend based on their academic status:

- Undergraduate Degree: \$58,811
- Master's Degree: \$71,531
- PhD: \$94,199

Relocation Allowance of \$5,000

Travel/Training Allowance of \$10,000

About the EECBG Program

The Energy Efficiency and Conservation Block Grant (EECBG) Program is a \$550 million formula- and competitive- grant program that provides direct and flexible funding to more than 2,700 state, local, and Tribal governments across the United States.

The EECBG Program is designed to be highly flexible and to meet community needs. Specifically, eligible entities can choose to implement projects aligned to over 14 eligible clean energy use areas.

Apply Now



<https://www.zintellect.com/Opportunity/Details/DOE-STP-SCEP-EECBG>



DOE-RPP@orise.orau.gov

December 8, 2023

RESEARCH OPPORTUNITIES



Are You FBI-ready?

VISITING SCIENTIST PROGRAM

FBI COUNTERTERRORISM AND FORENSIC SCIENCE RESEARCH UNIT

Benefits

- Competitive Stipend
- Relocation up to \$1,000
- Travel training allowance up to \$5,000 per appointment period

Duration

- Full year appointments available on full or part-time basis

Eligibility

- U.S. Citizenship required
- Bachelor, Master, or Doctoral Degree



Apply Now

Please go to the link below or follow the QR code to submit your application today!

<https://zintellect.com/Opportunity/Details/FBI-CFSRU-2023>

December 8, 2023

RESEARCH OPPORTUNITIES



U.S. DEPARTMENT OF
ENERGY

ELECTRIFICATION TECHNOLOGY DEVELOPMENT FELLOW

Vehicle Technologies Office

APPLY NOW!



What You Will Do

Under the guidance of a mentor...

INNOVATE

Collaborate with DOE employees and National Laboratory experts to reduce the carbon footprint of the 3 trillion vehicle miles traveled each day! Collect data and analyze the latest technology in modern applications of electrification.



ENGAGE

Engage in research efforts supporting increased electric vehicle charging and electrification with broader initiatives such as increased generation from renewables and grid modernization. Write and publish technical reports documenting the data, analysis, and resulting insights of work/projects performed.



EXPERIENCE

Organize workshops and conferences with key stakeholders and federal staff to augment R&D portfolio and suggest new initiatives to further transportation electrification and vehicle-grid integration.



BENEFITS

- **COMPETITIVE STIPEND**
- **RELOCATION REIMBURSEMENT UP TO \$5,000**
- **\$10,000 TRAVEL/RESEARCH MATERIALS ALLOWANCE**
- **HEALTH INSURANCE**
- **FEDERAL HOLIDAYS OBSERVED**



DOE-RPP@orise.orau.gov



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December 8, 2023

RESEARCH OPPORTUNITIES

U.S. DEPARTMENT OF
ENERGY

Office of ENERGY EFFICIENCY
& RENEWABLE ENERGY

Industrial Efficiency and Decarbonization Office Fellow

APPLY TODAY!



OUR MISSION

IEDO is critical to putting the Nation on a pathway to achieve net-zero carbon emissions by 2050 and necessary for a national program of research and workforce development to drive energy, materials/production efficiency, and decarbonization across the industrial sector.

Benefits

- Competitive Stipend
- Relocation reimbursement up to \$5,000
- \$10,000 Travel/Research Materials Allowance
- Health Insurance
- Federal holidays observed



DOE HEADQUARTERS
WASHINGTON, D.C.



Drive Innovation in U.S. manufacturing and clean energy



Collaborate with National Lab experts and federal employees



New materials, waste reduction, and recycling technologies



DOE-RPP@ORISE.ORAU.GOV



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December 8, 2023

RESEARCH OPPORTUNITIES

Advanced Materials and Manufacturing Technologies Office U.S. Department of Energy

EE RE

Location



Washington, DC
DOE Headquarters

Benefits

Fellows will be eligible for:

- Stipend
- Health Insurance
- Relocation Reimbursement up to \$5,000
- \$10,000 Travel and Research Materials Allowance
- Federal Holidays Observed

What Will You Do?

Under the guidance of a mentor...

Energy Policy and Analysis:



Provide input for analysis on industrial decarbonization, circular economy, and workforce development and assess the potential for next generation materials and processes

Innovation



Evaluate approaches to achieve practical minimum energy requirements and minimum lifecycle energy to manufacture and deploy next generation technologies and identify new materials efficiency, waste reduction and recycling technologies

Communication:



Engage with DOE staff and National Laboratory experts to prepare and present written and oral briefings and reports to senior program staff, DOE leadership, external partners and industry stakeholders.

 OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION

U.S. DEPARTMENT OF
ENERGY | Energy Efficiency &
Renewable Energy



DOE-RPP@orise.orau.gov

[https://www.zintellect.com/](https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-AMMTO-2023-1000)



Opportunity/Details/DOE-EERE-STP-AMMTO-2023-1000



December 8, 2023

RESEARCH OPPORTUNITIES

FBI

Critical Incident Response Group Research Opportunity

What Will I be Doing?



Design

Design social/behavioral sciences research projects related to criminal, national security, and/or cyber threats



Research

Conduct searches of scientific literature and statistical analysis of data.



Network

Prepare and present research findings to diverse audiences, both orally and in writing

Eligibility/Benefits

To be eligible, participants must:

- Be a US Citizen
- Be currently pursuing or have completed requirements for a Bachelor's, Master, or PhD within the last 5 years. applicants currently pursuing a Bachelor's degree, the applicant must be within one year of completing their degree.
- Undergo an extensive FBI background investigation and meet suitability criteria.

Participant Benefits:

- A competitive stipend
- Full-Time Appointment up to One Year (appointments may be renewed up to five years)

Location



Quantico, Virginia

Apply



Or Visit:

<https://zintellect.com/Opportunity/Details/FBI-CIRG-2023-0002>



OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION



<https://orise.orau.gov/fbi/>



DOE-RPP@orise.orau.gov

December 8, 2023

RESEARCH OPPORTUNITIES

Efficient and Healthy Schools Fellow

Apply Today! <https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-BTO-2021-1202>

*Applications reviewed on a rolling basis.

You will receive a competitive stipend, an allowance to offset the costs of health insurance, research travel and materials up to \$10,000, and relocation expenses reimbursement up to \$5,000.

The Department of Energy's Building Technologies Office (BTO) is now accepting applications for an Efficient and Healthy Schools Fellow.

What will I be doing?

As a member of the team, you will both learn how to:

- Participate in technical reviews/assessments of proposed activities, conduct technical and economic feasibility analysis, and evaluate the progress and ongoing viability and success potential of the Healthy and Efficient Schools project toward meeting the BTO's goals.
- Collaborate in the assessment of state-of-the-art scientific literature and practice in relevant technologies and assess new opportunities for further advancement in the field and the industry.
- Contributing to completion of BTO strategy and Collaborate with other BTO Fellows in support of Efficient and Healthy Schools and supporting sub-programs.

Why should I apply?

You will collaborate with DOE, ED, and EPA federal employees, contractors, patriating schools, school districts, state energy and education offices and other stake holders on technical and techno-economic analyses and develop short-term and long-term quantitative goals for BTO.

Qualifications:

- **A Bachelor's Degree.**
- **Knowledge of energy efficiency, sustainability, environmental education, and indoor environmental quality concepts.**
- **Knowledge of the K-12 sector, school facilities, and education policy.**
- **Experience with school stakeholders, decisionmakers, and influencers.**
- **Excellent written and oral communication skills**



December 8, 2023

RESEARCH OPPORTUNITIES

Electric Vehicles Charging Fellow

Apply Today! <https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-JOET-2022>

The Electric Vehicles Charging Fellow opportunity with the Joint Office of Energy and Transportation is now accepting applications.

What will I be doing?

You will be provided with the opportunity to participate in JOET projects and be mentored by experienced JOET staff. JOET also supports fellows in pursuing further professional development opportunities, such as trainings, workshops, and conferences. Interacting closely with their JOET mentor(s), the fellows will learn how to:

- Review, manage, and make recommendations on the EV charging proposals for the National Electric Vehicle Infrastructure Formula and Grant Programs as executed by the Federal Highway Administration.
- Build relationships to engage programs and public-private partnerships to increase the speed of transitioning to EVs and deploying the supporting infrastructure.
- Engage in critical aspects of the Joint Office of Energy and Transportation's mission.
- Conduct technical reviews of projects funded by the Joint Office.
- Draft key documents summarizing program strategy and accomplishments, technoeconomic analysis to inform the Joint Office activities.
- Collaborate and direct the modeling and analysis of vehicle charging infrastructure and electric grid integration.
- Organize meetings, workshops, and conferences to solicit feedback from expert stakeholders on the Joint Office activities
- Engage on the development and implementation of standards and requirements for EV charging to ensure a high-quality driver experience.
- Collaborate with DOE, DOT and other agencies on EV charging plans, transit and school bus electrification, research, and reports.
- Review and analyze project progress and other technical reports.
- Engage with DOE to communicate with researchers to address questions and issues that arise.
- Collaborate on the scoping of key demonstration and proof of concept projects that will enable and accelerate the Joint Office vision.

Why should I apply?

You will become part of a group of highly-trained scientists and engineers with the education, background, and experience to be part of the workforce that supports the DOE's mission in the future. You will enhance your education and training in electric vehicle and energy policy, increase your marketability in these disciplines, collaborate with top scientists and engineers, and gain insight into career opportunities through your experiences and under the leadership of your mentor.

Where will I be located? Washington, D.C.

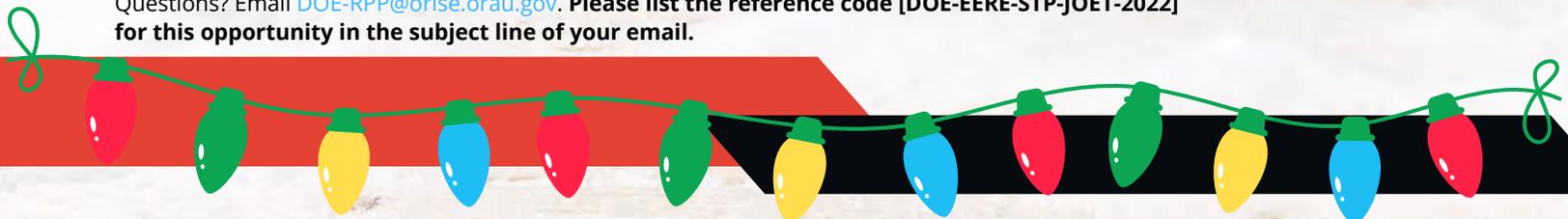
The details:

You will receive a competitive stipend, an allowance to offset the costs of health insurance, research travel and materials up to \$10,000, and relocation expenses reimbursement up to \$5,000.

You must be a U.S. Citizen or Lawful Permanent Resident and completed or be in the process of completing a bachelor's, master's, or doctoral degree.

Program Website: <https://www.energy.gov/eere/education/energy-efficiency-and-renewable-energyscience-technology-and-policy-program>

Questions? Email DOE-RPP@orise.orau.gov. Please list the reference code [DOE-EERE-STP-JOET-2022] for this opportunity in the subject line of your email.



December 8, 2023

RESEARCH OPPORTUNITIES



ECOSYSTEM Field Studies

**2023-24 Winter-Break
Field Course Announcement!!**



Caribbean Ecosystem Field Studies

December 28, 2023 – January 17, 2024

On Xpu-Ha Beach, along the safe & beautiful Riviera Maya Coast of Mexico

**Take Your
Education Beyond
the Classroom this
Winter-break!**



**Learn more
& APPLY at
EcoFS.org**

- ✓ Earn 3 college credits in this condensed 21-day, hands-on, marine field study course
- ✓ Learn in-demand skills & field research methods while snorkeling, SCUBA diving & investigating the coral reef & coastal ecosystems of the Caribbean
- ✓ Easily transferrable undergraduate academic credits available to all students & majors
- ✓ Accredited by the University of Montana @ Missoula- Environmental Studies Program



**Now accepting applications for our winter-break
Caribbean Ecosystem Field Course!**



For further questions email Professor Steve Johnson, Course Director: steve@ecofs.org

December 8, 2023

RESEARCH OPPORTUNITIES

JUMP START YOUR FUTURE!

Application Opens
September 12, 2023



Homeland
Security

Science and Technology



Want to learn more about the US Department of Homeland Security and the research the agency and component agencies do while enhancing your research skills and career goals?

The U.S. Department of Homeland Security (DHS) Science and Technology Directorate Office of University Programs sponsors the Professional Opportunities for Student Workforce to Experience Research (HS-POWER) Program for undergraduate and graduate students.

All applications must be received by
11:59:59PM (EST) Friday, December 15, 2023

APPLY HERE:



<https://orise.orau.gov/dhseducation/>

BENEFITS:

- Weekly Stipend - \$750 Undergrad | \$950 Graduate
- Housing Allowance - \$400/week or Virtual Allowance - \$50/week
- Inbound/Outbound Travel funds of up to \$1,000

ELIGIBILITY:

- U.S. Citizenship Required
- Must be 18 Years of Age
- Must have a Cumulative GPA of 3.00 or Higher
- Be majoring in a STEM field which includes social sciences



OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION

Shaping the Future of Science

December 8, 2023

RESEARCH OPPORTUNITIES

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES SCHOLARS CONNECT PROGRAM 2024



The National Institutes of Health (NIH), National Institute of Environmental Health Sciences (NIEHS) office is seeking undergraduate students to participate in the NIEHS Scholars Connect Program (NSCP). The program is designed to provide environmental health sciences research training for science, technology, engineering, and mathematics (STEM)-focused undergraduate students.

Benefits:

Competitive monthly stipend determined by academic level.

OUR LOCATION



Research Triangle Park, NC.
Must live within 50 miles to participate



Program Dates:

June 2024 - April 2025



Apply Here!

Application Deadline:
February 16, 2024

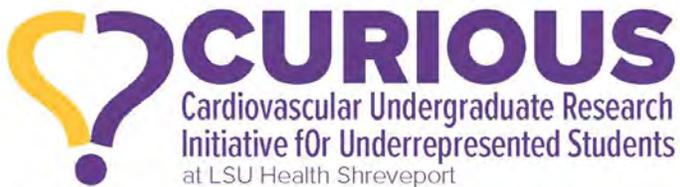


Email: nihprograms@orau.org

<https://www.zintellect.com/Opportunity/Details/NIH-NIEHS-SCP-2024>

December 8, 2023

RESEARCH OPPORTUNITIES



Are you a science major who's interested in a research career related to cardiovascular diseases?

- Learn cutting edge techniques
- Use state-of-the-art equipment
- Enhance your career development
- Attend/present at a national conference

Apply for LSU Health Shreveport's NIH CURIOUS summer program!



LSU Health Shreveport
CENTER FOR CARDIOVASCULAR DISEASES AND SCIENCES

The Cardiovascular Undergraduate Research Initiative for Underrepresented Students is supported by the National Institute of General Medical Sciences of the National Institutes of Health under Award Number R25HL 147665.

**LSU HEALTH SHREVEPORT
EIGHT-WEEK NIH-FUNDED
RESEARCH PROGRAM AND
CAREER DEVELOPMENT
INCLUDES HOUSING
AND \$3,800 STIPEND**

2024 SUMMER PROGRAM DATES

**June 10-August 2, 2024
APPLICATION DEADLINE
February 12, 2024**

APPLICATIONS OPEN FALL 2023



www.lsuhs.edu/curious

Eligibility: The CURIOUS program is for highly motivated undergraduate students currently enrolled at an accredited undergraduate university, studying science. They must be from one of the following underrepresented groups:

- Racial and ethnic minorities
- Disadvantaged (financial or education)
- With disabilities



LSU HEALTH SHREVEPORT
1501 Kings Hwy, Shreveport, LA 71103
CURIOUS Program Director
Karen Stokes, PhD
318-675-8420 | karen.stokes@lsuhs.edu

December 8, 2023

RESEARCH OPPORTUNITIES



RESEARCH EXPERIENCE FOR UNDERGRADUATES

The RAIN Research Experience for Undergraduates (REU) program focuses on adaptive management in water-limited production systems. The program aims to train future engineers and scientists with the skills and perspective necessary to address some of the world's future food and fiber needs.

The RAIN REU Program seeks students from diverse disciplines including, but not limited to:

- Agronomy
- Animal Science
- Grain Science and Industry
- Agricultural Economics
- Biological and Ag Engineering
- Biology/Microbiology
- Sociology and other Social Sciences
- Geographical Sciences
- Physics
- Chemistry
- Meteorology

RAIN REU participants will produce original research within inter-disciplinary research projects relating to rainfed agricultural production. Research spans all methods and aims to sustainably increase the productivity of rainfed agricultural systems in the SGP and while restoring and enhancing soil health, including:

- Agricultural (soil carbon sequestration, increasing precipitation and nitrogen use efficiency, reducing yield losses due to environmental stresses and weed pressure, etc.);
- Technological (use of sensors and modeling to enhance long-term strategic management and in-season tactical management; and

Program Dates

May 38 - August 02, 2024

Benefits

- Hands-on research experience in the field and the lab
- Mentorship by faculty advisor and a graduate student mentor
- \$9000 stipend (inclusive of travel and room and board) paid in three installments
- Professional development via workshops and research seminars on topics related to sustainability related to water-limited crop and animal production systems

Apply by January 17, 2024

<https://bitly.ws/34q8u>



For more information:
Anita Dille
dieleman@ksu.edu



Learn more about the program at

www.rainfedag.org/summer-reu

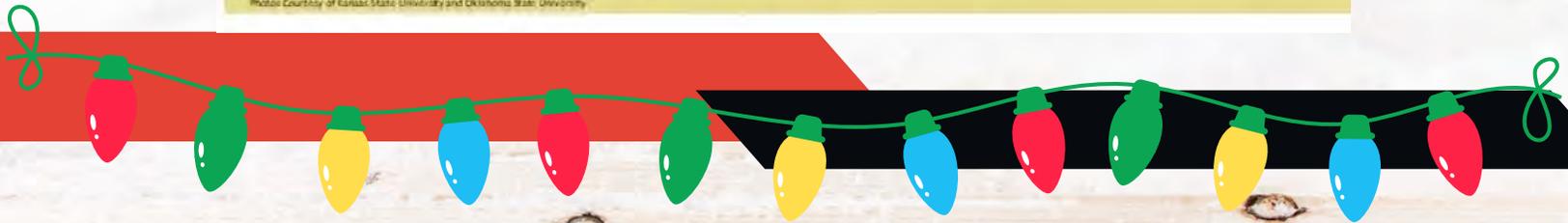
KANSAS STATE UNIVERSITY



UNIVERSITY OF MARYLAND

This project was supported by Agriculture and Food Research Initiative Competitive Grant no. 2019-68012-29888 from the USDA National Institute of Food and Agriculture.

Photo Courtesy of Kansas State University and Oklahoma State University



December 8, 2023

RESEARCH OPPORTUNITIES



The University of Mississippi seeks participants for the Ole Miss

Summer Research Experience for Undergraduates (REU) Program in Chemistry

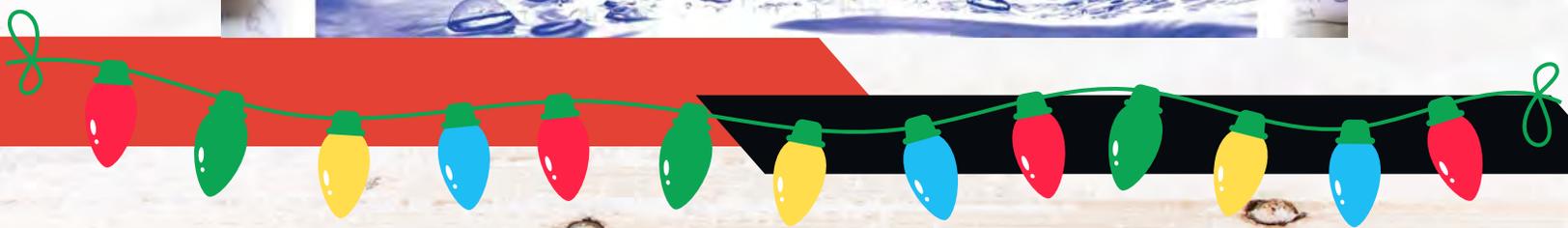
The National Science Foundation will fund ten (10) undergraduate students who have completed at least their freshman year in college but have not yet graduated.

Student participants will receive a \$6,000 stipend, housing and meal plan for 10 weeks, as well as travel assistance.

REU researchers will gain hands-on experience in a collaborative atmosphere with a broad range of topics such as laser-based molecular spectroscopy, molecular modeling, computational quantum chemistry as well as the synthesis and characterization of new nanomaterials.

Project Descriptions and Online Application can be found at <http://reu.chem.olemiss.edu>

For more information, contact Prof. Nathan I. Hammer, Program Director
181 Coulter Hall, University of Mississippi, University, MS 38677
662-915-3989 • nhammer@olemiss.edu



December 8, 2023

RESEARCH OPPORTUNITIES



I-CEMITURE



International-
Collaborative Multidisciplinary Investigations
Through
Undergraduate and Graduate
Research Experiences

Georgia Southern (GS) University
Biochemistry, Chemistry & Physics Department
invites

YOU to share and broaden YOUR scientific knowledge in

Summer 2024

- 10-weeks of Research in **France** (I-CEMITURE)
- Stipend: **\$5500**
- Accepts Undergraduate & Graduate Students
- Housing, Travel & Meal Plans provided
- Professional Development and Networking

Multidisciplinary Projects at the Interface of
Chemistry, Engineering, Materials, Environmental & Theoretical Science

Application Due:
I-CEMITURE (France)-January 26, 2024



Website: <https://cosm.georgiasouthern.edu/reu/>
Email: cemiture@georgiasouthern.edu



International Research Experiences for Students (IREES)

December 8, 2023

RESEARCH OPPORTUNITIES

Ole Miss.

Nanoengineering

RESEARCH EXPERIENCES FOR UNDERGRADUATES



Come perform cutting-edge research in nanobiotechnology, sustainable nanoengineering or computational nanoengineering

What's included

- 10-week summer program at the University of Mississippi
- Undertake research and attend specialist seminars
- Enrich your knowledge of nanoengineering
- Present your findings to peers and academic community
- Gain skills for graduate school
- Mentor middle and high school students in STEM
- Experience historic Oxford, MS
- **You'll get a \$6,000 stipend, on-campus housing, and allowances for food and travel**

To apply, send us:

- Your resume or CV
- A copy of your transcript (official or unofficial)
- A statement of research motivation
- Two letters of recommendation

Summer 2024 REU application period opens in November 2023 and closes on March 4, 2024.

Apply at nanoreu.olemiss.edu

This program is funded by the National Science Foundation (EEC, EPSCoR: 2148764)

nanoreu.olemiss.edu

December 8, 2023

GRADUATE OPPORTUNITIES

U.S. Department of Energy

OFFICE OF POLICY

Science, Technology, and Policy Program

APPLY NOW



 DOE-RPP@orise.orau.gov

 <https://www.zintellect.com/opportunity/Details/DOE-STP-OP-2024-0001>



 OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION
Shaping the Future of Science

 U.S. DEPARTMENT OF ENERGY

GAIN EXPERIENCE IN

Clean Energy Infrastructure and Deployment 

Understanding best practices for quickly building out clean energy across the United States

Decarbonization Pathways 

Mapping the interrelated decisions necessary to reduce greenhouse gases to net zero by 2050

Energy Job Stewardship 

Creating the next generation of clean energy mobilization through high-quality, sustained clean energy jobs.

PARTICIPANT BENEFITS

ORISE Participants will receive:

- Stipend
- Health Insurance
- Travel/Training Allowance

LOCATION



Washington, DC



December 8, 2023

GRADUATE OPPORTUNITIES

Building Technologies Office Opportunity

Commercial Buildings Integration

EE RE

Locations



Washington, DC
Golden, CO

Benefits

Selected Participants will be eligible for:

- Stipend
- Relocation Allowance, not to exceed \$5,000
- Travel/Training Allowance

Participants must be a US Citizen or a Lawful Permanent Resident

What Will I Do?



Stakeholder Engagement:

Engage with DOE staff to build and maintain relationships with strategic partners working on emerging tech, technology for building systems integration and energy efficiency programs.



Creative Vision.

Engage in strategic planning for technology research and development, reviewing, recommending and implementing projects that advance the BTO and CBI mission, resulting in measurable and trackable building energy savings.



Communication:

Engage with DOE staff to prepare and present written and oral briefings and reports to senior program staff, DOE leadership, external partners and industry stakeholders.



 OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy



DOE-RPP@orise.orau.gov



<https://www.zintellect.com/Oppportunity/Details/DOE-EEER-STEP-BTO-2023-1200>

December 8, 2023

GRADUATE OPPORTUNITIES



Department of Homeland Security 2023 Postdoc Fellowship

The U.S. Department of Homeland Security (DHS) Transportation Security Laboratory (TSL) Visiting Scientist Program is offering postdoctoral fellowships for recent graduates.

As a TSL post doc fellow, you will receive hands-on experience and individualized research opportunities, network with top scientists and researchers, have access to a one-of-a-kind federal research, and state-of-the-art equipment.

Benefits

- You will receive a competitive stipend based on your experience.
- A health insurance allowance.
- You may receive a housing allowance and dislocation benefit, if your permanent address is at least 50 miles from the hosting facility.

Eligibility

- Be a sole U.S. citizen. Dual citizens are considered foreign national and are ineligible for this opportunity.
- Have received or expect to complete all requirements for a Doctoral degree by the anticipated start date. Applicants currently pursuing a doctoral degree must provide proof of completion of all degree requirements before the fellowship start date.



William J. Hughes Technical Center
Atlantic City, NJ



Scan the QR code to go to
www.zintellect.com and learn more!



DHsed@orau.org



Homeland Security

Science and Technology

 **OAK RIDGE INSTITUTE
FOR SCIENCE AND EDUCATION**



December 8, 2023

GRADUATE OPPORTUNITIES

**Interested in teaching in Arkansas
after college
(whether as a career or a short block
of service)?**

John Hall holds a lot of virtual office hours for student inquiries. He will put you in touch with other service programs (City Year, Food Corps, Peace Corps, AmeriCorps, Teach for America, etc.).

Regardless of your degree you have many options to be paid for this type of work after college.

Contact: John Hall
Director of Recruitment
Arkansas Teacher Corps
jrh009@uark.edu



December 8, 2023

GRADUATE OPPORTUNITIES

Strategic Analysis Fellow: Integrated Strategies Office

U.S. Department of Energy

**EE
RE**

Location



Washington, D.C.
DOE Headquarters

What Will You Do?

Under the guidance of a mentor...

Energy Policy and Analysis:



New clean energy analysis activities, projects, and initiatives across the buildings, industry, transportation, and power sectors.

Innovation



Help develop, scope, and engage in analysis projects with leading experts across EERE and the National Laboratories on clean energy challenges, opportunities, and impacts (e.g., assessing and improving circularity across the clean energy system).

Research:



Engage in scoping and coordinating National Laboratory studies on the impacts of potential national and state policy and regulatory changes on the energy sector; advancing and institutionalizing cross-cutting priorities.

Benefits

Fellows will be eligible for:

- Competitive Stipend
- Health Insurance
- Relocation Reimbursement up to \$5,000
- \$10,000 Travel/Research Materials Allowance
- Federal Holidays Observed
- Telework Hybrid Schedule

 **OAK RIDGE INSTITUTE**
FOR SCIENCE AND EDUCATION
U.S. DEPARTMENT OF **ENERGY** | Energy Efficiency & Renewable Energy



DOE-RPP@orise.orau.gov



<https://www.zintellect.com/Opportunity/Details/DOE-EERE-STP-IS-2023-2002>



December 8, 2023

GRADUATE OPPORTUNITIES



Amgen Scholars Program

Amgen Scholars provides opportunities for graduate school-bound college students to conduct biotechnology research in summer at a top university.

There are 14 U.S. host institutions; you can apply to multiple institutions.

Eligibility: Sophomore, junior, or senior; research/PhD career path; U.S. citizen or permanent resident; 3.2 GPA or above



- Website: <https://amgenscholars.com/us-program/>
- Application assistance: Jennifer Salo: jsalo@AState.edu

**** NATIONAL DEADLINE: February 1, 2024 ****



December 8, 2023

GRADUATE OPPORTUNITIES



U.S. DEPARTMENT OF
ENERGY



NET
ZERO

OFFICE OF
ENERGY EFFICIENCY AND
RENEWABLE ENERGY

INDUSTRIAL DECARBONIZATION FELLOWSHIP



Collaborate on technical, programmatic, strategic, and policy efforts aimed at decarbonizing the industrial sector



Contribute to the implementation of energy policies by applying scientific and technical expertise



Continue your development in areas that support the industrial decarbonization mission

BENEFITS

- Competitive Stipend
- Relocation up to \$5,000
- \$10,000 Travel/Research Materials Allowance
- Health Insurance



DOE
Headquarters
Washington, D.C

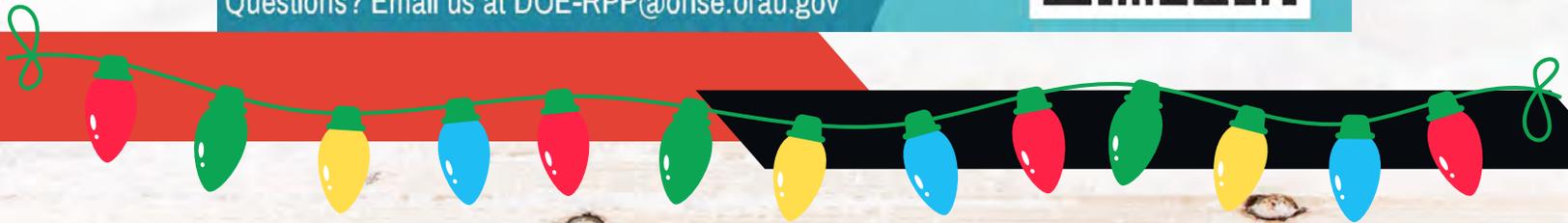
APPLY HERE!



Cohort 1 application closes January 15, 2024

Cohort 2 application closes on July 15, 2024

Questions? Email us at DOE-RPP@orise.orau.gov



December 8, 2023

OTHER OPPORTUNITIES

Seeking PT/FT EMPLOYMENT?

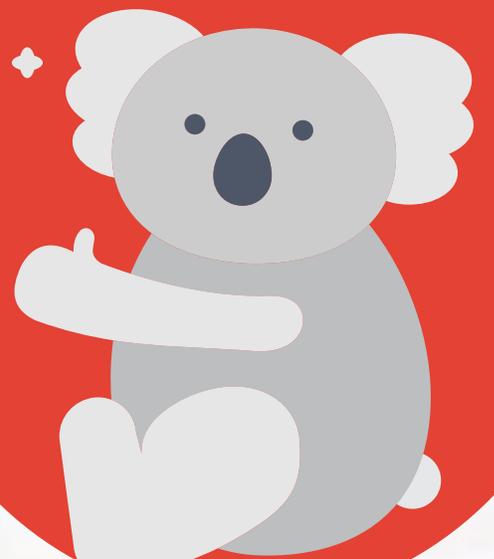
Part-Time and Federal Work Study Positions Available for Students

Interested in a part-time or federal work study position?

Visit the Taleo Career Center online for student job postings.

<https://phe.tbe.taleo.net/phe02/ats/careers/v2/jobSearch?act=redirectCwsV2&cws=47&org=ARKASTAT2>

KOALA-TY
* WORK!



December 8, 2023

OTHER OPPORTUNITIES



COSM AMBASSADOR APPLICATIONS OPEN

The SMART Center is
accepting applications
through March 15, 2024

Scan the QR Code above to apply!

For more information, please contact
Porsha McGregor at pneal@astate.edu

December 8, 2023

OTHER OPPORTUNITIES



TAKING THE MCAT IN SUMMER '24?

ENROLL IN CRN: 14886
BIO 404V SPECIAL TOPICS
PREPARATION FOR THE MCAT

1 CREDIT HOUR COURSE
WEDNESDAY
4:00PM-5:00PM

FOR MORE INFORMATION CONTACT DR. JOHNSON AT
RLJ@ASTATE.EDU

December 8, 2023

OTHER OPPORTUNITIES

LEARNING SUPPORT SERVICES

ACADEMIC SUCCESS COACHING

Our coaches are ready to help you manage college life. Coaches can help to equip you with: study skills, stress and time management techniques, coping with test anxiety, online learning, and more.



Use the link provided to schedule your first online or face-to-face appointment with our coaches!

<https://forms.gle/ajnE7cbMcL8w8iqL6>

Location: 3rd Floor, Dean B. Ellis Library
Phone: 870-972-3918 Email: klee@astate.edu

December 8, 2023

OTHER OPPORTUNITIES



EMERGING SCHOLARS PROGRAM

News and Notes

November 2023



Featured students:

Dan Kilula, Ramsey Brower, and Krish Sharma presented their project to the Red Wolf Works Committee and were awarded Signature Experience distinction. They will get to wear the Red Wolf Works medallion at graduation!

COMPETITIVE FELLOWSHIPS AND SCHOLARSHIPS



Now seeking applicants for these awards!



Truman Scholarship

Juniors; \$30,000 scholarship for grad school/professional school for students committed to a career in public service



James Madison Fellowship

Seniors; \$24,000 grad school fellowship to future teachers of history/civics/social studies at the secondary school level



UK Fulbright Summer Institute

Freshmen and sophomores; full scholarship to study arts, culture, climate change, social justice, technology, or history in the UK for 3-4 weeks in summer 2024

We provide individualized assistance to help you craft a strong application for any competitive opportunity you're applying for, including grad school, professional school, internships, and scholarships!

DID YOU KNOW?

Contact:

Jennifer Salo
Director, Emerging Scholars Program
jsalo@AState.edu
LIB 147

Follow:



@AStateCFS



December 8, 2023

OTHER OPPORTUNITIES

Login to Handshake and connect with part-time, internship, and full-time opportunities with both regional and national employers in many different industries and fields.



GET STARTED ACTIVATE YOUR HANDSHAKE ACCOUNT

Two simple steps for students to get on Handshake:

1. Navigate to app.joinhandshake.com
2. Select your school from the dropdown
3. Complete your profile

80%

Of students who complete their profile on Handshake are contacted by an employer

5x

As likely to get reached out to be an employer if their profile complete

25,000+

Students searches per month are conducted by employers, based on the information in student's profile



HireAstate powered by

STEP BY STEP ACTIVATION PROCESS

Login to My.Astate

Click Hire A-State (Jobs) Powered by Handshake Single Sign On

Enter firstname.lastname

Copy & Paste Passcode

Click **FINISH** Setup

Students & Alumni

Select: Arkansas State University

A-State Login

Upload a Resume

Complete Your Profile

Explore Handshake!

Follow Jobs and Employers

For more information
or assistance contact:
CAREER SERVICES
careers@AState.edu
Phone: 870-972-3025



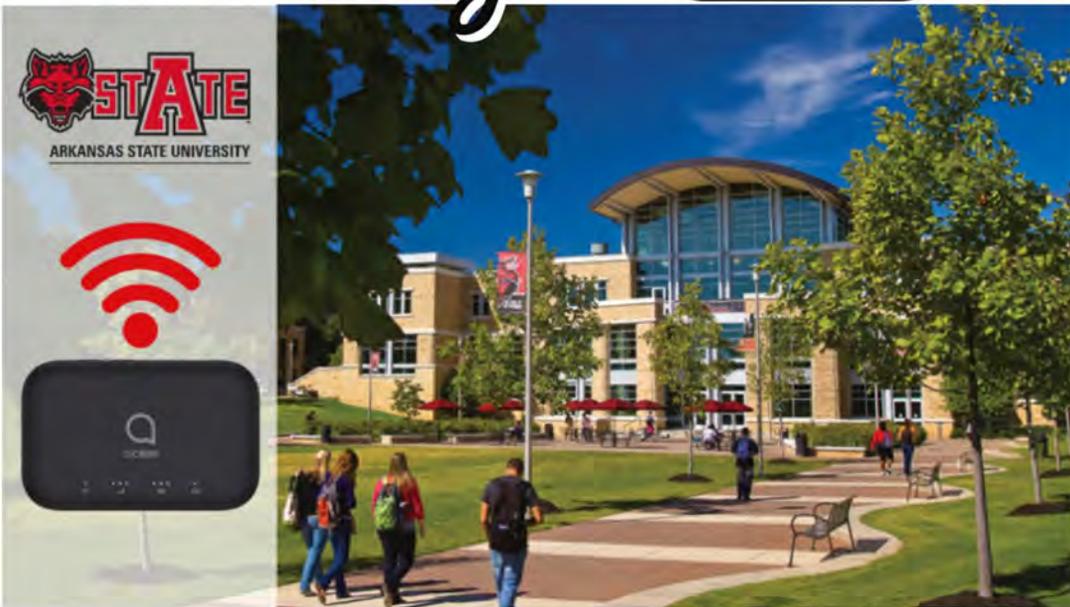
December 8, 2023

OTHER OPPORTUNITIES

WIFI *on the go*



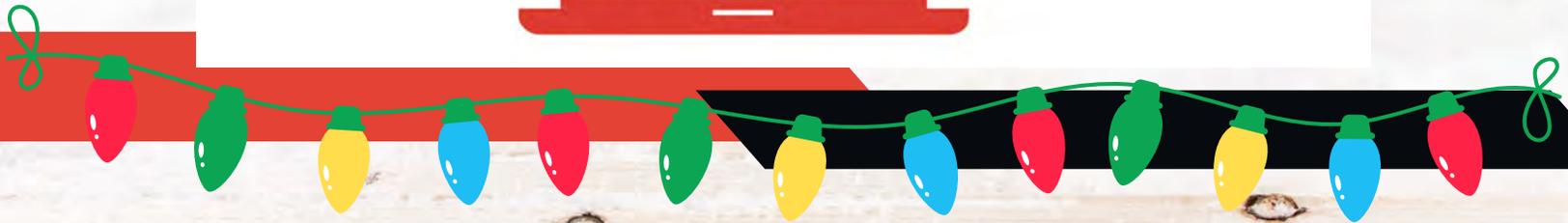
 SCAN ME



Stay connected whenever, wherever with Wifi on the Go powered by T-Mobile!

With Wifi on the Go, you'll get unlimited internet access and a free 5G personal hotspot for just \$50 per month with no contract.

**EXCLUSIVE
PERK FOR A-STATE
EMPLOYEES
AND STUDENTS**



December 8, 2023

OTHER OPPORTUNITIES

GEORGE AND PHOEBE HARP HONORARY ENRICHMENT FUND ESTABLISHED

JONESBORO – A newly established scholarship will help students who are studying the environment at Arkansas State University.

With a \$25,000 endowment, the George and Phoebe Harp Honorary Endowed Enrichment Fund has been created. An additional \$5,000 will go to an annual scholarship.

The scholarship will have an annual award of \$1,000 for the first five years, \$500 per semester.

To qualify for the scholarship, one must be on-campus undergraduate student with 18 semester credit hours, have a minimum 2.5 GPA, and be majoring in a specific area of study.

Those areas include biological sciences with an emphasis in evolution, ecology and organismal biology, environmental science, or wildlife, fisheries and conservation.

If there are no applicants that meet those requirements, preference will be given to students majoring in other degree programs including those seeking a minor in marine science, or a bachelor's degree in biotechnology, biological sciences with an emphasis in pre-professional studies, or chemistry.

“The reason for establishing this endowment is because it brings together the two fields we are most passionate about, education and the environment,” said the Harps.

The intent is to support students who complete a curricular or research experience at a field station or remote field location.

Dr. George L. Harp, professor emeritus of environmental biology, was an A-State educator from 1967 until 1999. He is a past president and life member of the Arkansas Academy of Science and past president of Dragonfly Society of the Americas.

His wife, Phoebe A. Harp, is a former A-State faculty member in biological sciences. She graduated from A-State with her master's degree in biology and co-founded the Northeast Arkansas Women in Science Club.

The benefactors have supported the university in the past and even inspired a past student to create an endowment. In 2020, Dr. Sam Kallsnick endowed the Dr. George Harp Honorary Scholarship.

Anyone interested in contributing to the George and Phoebe Harp Honorary Endowed Enrichment Fund may do so through the Arkansas State University System Foundation, Inc. Additional gifts can be made online through the university website.

Additional information about this and other endowment opportunities at A-State is available through the Office of Development, 870-972-3940 or Development@AState.edu.



December 8, 2023

OTHER OPPORTUNITIES

THE U.S. ARMY HEALTH PROFESSIONS SCHOLARSHIP PROGRAM PAYS YOUR TUITION AND PROVIDES EXPERIENCE.



IF YOU'D LIKE TO BEGIN A HEALTH CARE CAREER THAT SETS YOU APART FROM YOUR PEERS, CONSIDER THE U.S. ARMY.

Through the Health Professions Scholarship Program*, students can be eligible for a professional degree in medicine, dentistry, veterinary services and optometry. The program offers:

- Full-tuition at an accredited medical or dental school*
- A sign-on bonus of \$20,000
- Reimbursement for books, non expendable equipment and some academic fees
- A monthly stipend of \$2,500.00
- Expert training alongside dedicated U.S. Army professionals as a Commissioned Officer

To learn more, call (901)767-2070 or visit Memphis Medical Recruiting Station (SFC Jessie Sapien) 5384 Poplar Ave, STE 505 Memphis, TN 38119 Email: usarmy.knox.usarec.list.9b2m@mail.mil <https://recruiting.army.mil/mrb>



U.S. ARMY

*Certain requirements and eligibility criteria apply.
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December 8, 2023

OTHER OPPORTUNITIES

LOOKING TO RAISE MONEY FOR YOUR ORGANIZATION? SODEXO CAN HELP!

By partnering with us, you can raise funds for your organization to pay for camps, new uniforms, or end of the year trips!

HOW?

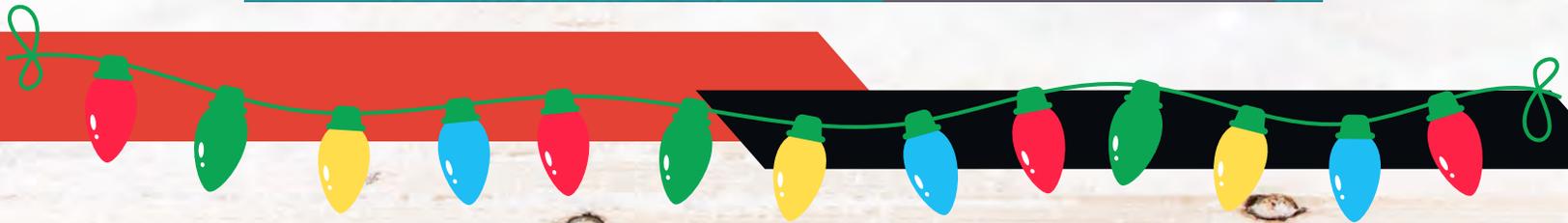
You must be a non-profit organization. Contact us to sign up to work concession stands for Arkansas State's athletic events including football and basketball, along with concerts and other special events.

ORGANIZATIONS CAN EXPECT TO RAISE
\$3,000 FOR THE FOOTBALL SEASON ALONE!

OUR TOP EARNING ORGANIZATIONS HAVE
RAISED OVER \$20,000 THIS PAST YEAR!

**YOU DON'T WANT TO MISS OUT
CONTACT US NOW!**

**GJ JUMPER
CONCESSIONS MANAGER
EMAIL: GERALD.JUMPER@SODEXO.COM
PHONE: (870) 919-0676**



December 8, 2023

OTHER OPPORTUNITIES

The Centro Hispano in Jonesboro is actively seeking volunteers to contribute to their After-School program.

This could be an ideal platform for Pre-Professional students to engage in a meaningful community service.

The After-School program operates from Monday to Thursday, between 3 and 6 pm. Their aim is to enlist 2 or 3 volunteers who can lend a helping hand to the children with their homework.

For more information, please contact Ms. Carolina Elmore celmore@jhcsi.org, Assistant Director of the Centro Hispano.



November 10, 2023

**OTHER
OPPORTUNITIES**

*Student
Organizations*

PRE-DENTAL CLUB



HERE TO PROVIDE INFORMATION
AND RESOURCES TO THOSE SEEKING
A CAREER IN THE DENTAL AND
DENTAL HYGIENE FIELD

