February 5th, 2025



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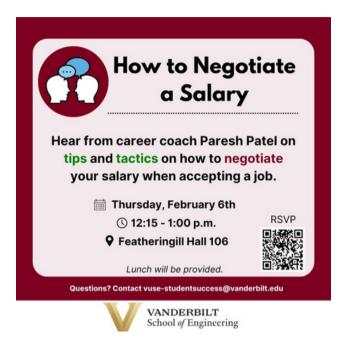
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VUSE Student Success & Resources

How to Negotiate a Salary

Due on 2/6



Out in Engineering Elevator Pitch On 2/6

Prepare to shine during spring recruiting! Join us for an interactive workshop where we will guide you through the best practices for crafting a compelling elevator pitch. Whether you're networking, interviewing, or introducing yourself at events, this session will help you develop a concise and impactful pitch that leaves a lasting impression. Don't miss this chance to stand out and make your mark! We will also have boba!



VUSE Summer Research

Due on 2/7



Pharma Industry Experience - NIIMBL

Due on 2/7

Here is a great 1-week summer experience to expose you to the Pharmaceutical industry segment. This is provided by an industry organization, held in many areas of the country to aid attendance. The attached flyer discusses the program goals and benefits of this experience. Apply on their website.



Launch Tennessee Summer Intern Program

Due on 2/14

LaunchTN's Summer Intern Program connects talented students from across Tennessee with innovative startup companies, venture capital firms, and entrepreneurs. Since 2014, we've connected 392 intern placements with Tennessee companies, and last summer 43% of interns extended their roles with their host companies after the program ended!

Here's how the LaunchTN Summer Intern Program benefits students:

- Paid Internships: Students earn \$17/hour while gaining real-world experience.
- \cdot Professional Development: We offer workshops and networking events to enhance their skills throughout the summer.
- · Statewide Opportunities: Internships are available with a variety of companies throughout Tennessee, as well as some hybrid or remote opportunities.
- · Potential for Continued Employment: Many interns transition into permanent or part-time roles after the program.
- · Full program and application information is found on our webpage.



NSF-supported Research Experience for Undergraduates (REU) program Apply by 2/15

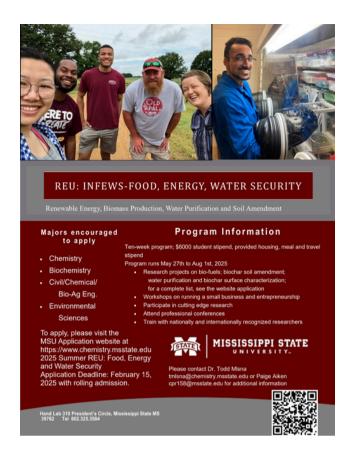
The NSF-supported Research Experience for Undergraduates (REU) program at Mississippi State University, is focused on *Food*, *Energy, and Water Security*. This ten-week summer program offers students the chance to work with a faculty mentor on renewable energy research, covering biofuel production, biochar applications, and wastewater purification.

Participants will receive a \$6,000 stipend, housing and meals, and travel support for this 10-week summer program beginning May 27, 2025. We welcome applications from undergraduates who have completed at least their freshman year and are U.S. citizens or permanent residents.

Please share the following information and post the attached flyer with your

undergraduate students. Please encourage your students—especially those interested in environmentally focused research—to apply by February 15, 2025, using this link. This is a great opportunity to gain hands-on research experience and professional skills.

For questions, feel free to contact Dr. Todd Mlsna at tmlsna@chemistry.msstate.edu. More info can be found on the MSU website.



Scholarship Opportunities

Multiple Due Dates

Awards requiring VU nomination <u>for sophomores + juniors</u>:

- **Beinecke Scholarship*** open to juniors in arts & humanities fields who intend to pursue research-focused or creative graduate study (usually MFA or PhD programs). December 2025 or May 2026 grads are eligible this year. Applicants should have a high GPA in their major, have identified first-choice graduate program + 3 strong academic recommendations.
 - Campus Deadline: February 15
- Udall Undergraduate Scholarship (Native)* awarded to current sophomores + juniors intending on careers in Tribal public policy or Native healthcare. Udall supports academic expenses and offers extensive professional development, including membership in the Udall Alumni Network, an association of change-makers working in Indian country and environmental fields sharing innovative ideas, mentoring and access to internship and career opportunities.

• Campus Deadline: February 15

Udall Undergraduate Scholarship (Environmental)* awarded to current sophomores + juniors actively engaged in conservation and environmental issues. Udall supports academic expenses and membership in the Udall Alumni Network, an association of change-makers working in Indian country and environmental fields sharing innovative ideas, mentoring and access to internship and career opportunities.

o Campus Deadline: February 15

For students studying or interning abroad during Summer or Fall 2025 or full AY 2025/26:

- **Fund for Education Abroad Scholarship** supports US citizens, permanent residents or DACA recipients. Applicants should be underrepresented in study abroad (student athletes are especially encouraged to apply) who have demonstrated financial need.
 - Deadline: February 5, 12:00 PM EST;
 - ° October deadline for Spring/Summer 2026 programs.
- **Gilman International Scholarship*** supports Pell Grant recipients in studying or interning abroad on programs of any duration. Gilman awards up to \$5000, with a \$3000 bonus for students studying languages critical to US national security while abroad and a \$1000 bonus for STEM intensive programs.
 - Priority Deadline: February 15;
 - Note: Spring/Summer 2026 programs app will open in August, Oct 1st deadline.
- **Gilman-McCain Scholarship*** awards \$5,000 to child and spousal dependents of active duty or activated US service members who are studying or interning abroad on credit-bearing programs. Applicants must receive any type of federal financial aid (Title IV).
 - Priority Deadline: February 15;
 - ° Additional deadlines in Summer, October, January.
- **Freeman-ASIA Scholarship*** supports undergraduate US citizens with demonstrated financial need to study or intern in East or Southeast Asia during Summer 2025 or AY 2025/26. Funds can support tuition, program expenses, airfare, living expenses, local transportation, books, etc.
 - Priority Deadline: March 1

For additional information, please reach out to fellowships@vanderbilt.edu or join us for "Exploring Fellowships" drop-ins. Dates/times/locations available on Handshake.

2025 Engineering Industry Networking Night

Click Above for Link- On $\overline{2}/18$

· Attending employers include: ARCO/Murray, Capital One Technologies, Gresham Smith, Biosense Webster (a J&J company), Nissan North America, Reeves Young, and Schneider Electric



2025 West Coast Engineering Industry Networking Night

Click Above for Link- On 2/20

· Panelists for this event are:

o Jennifer Nuckles, Chairperson & CEO of R-Zero

o Deb Liu, CEO at Ancestry

o Maya Farah, Director of Product, GenAI at Meta

o Wook Chung, SVP of Product, Risk & Core Platforms at PayPal

o Kevin Lochner, Senior Director Software Engineering at SoFi

o David Seniawski, VP of Engineering at R-Zero

2025 West Coast Engineering

Vanderbilt Green Fund

On 2/21

Do you have an idea to make Vanderbilt's campus greener? If yes, come join us for the Green-a-thon, Vanderbilt Green Fund's annual pitch competition, taking place on **Friday, February 21 (3:30-5:30 pm)** in the **Wond'ry 3rd floor lounge**. The Green Fund is a \$150,000 budget set aside to fund students' proposals for projects that make campus more sustainable. Work in-person (either in teams or individually) to get feedback from experts and potentially win up to \$200 in prizes! Dinner will be provided! Sign up here: https://forms.gle/EoGg4LJWvsVZYVos9

And if you can't attend in-person but still want to submit a proposal here is the link for you: https://forms.gle/F792ti5H4QHWppGD7 This is one of the best/most direct ways to have Vanderbilt turn your idea for a more sustainable campus into a physical reality, so don't miss out! Questions can be directed to mark.wang@vanderbilt.edu



Beyond Internship

Due on 3/5



Tennessee Engineering Foundation (TEF) Scholarship

Due on 3/14

The Tennessee Engineering Foundation (TEF) is excited to announce its 2025 scholarship opportunity for engineering students across Tennessee, and we would love your help in encouraging eligible students to apply!

About the Tennessee Engineering Foundation:

TEF is a nonprofit organization committed to nurturing the future of engineering by providing financial support to students who aspire to make a difference through innovative engineering solutions. This scholarship is aimed at helping dedicated engineering students achieve their educational goals and advance toward impactful careers in the field.

Scholarship Details:

The TEF scholarship awards four (4) \$3,500 scholarships to students attending a college or university in Tennessee, who demonstrate academic potential and a passion for the engineering industry.

Eligibility Requirements:

• Must be enrolled as a Freshman, Sophomore, Junior, Senior, Fifth-Year Senior, or Master's student in Fall 2025.

- Major in one of the following areas: Aeronautical Engineering Technology, Aerospace Engineering, Agricultural Engineering, Bioengineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Drafting/Design Engineering Technology, Engineering Management, Environmental Engineering, Mechanical Engineering, Mining Engineering, Nuclear Engineering, Petroleum Engineering, Surveying and Geomatics Engineering, Systems Engineering, or related fields.
- Be a U.S. Citizen.
- Enrolled in a Tennessee college or university for the 2024-25 academic year.

Quick Facts:

- Application Deadline: March 14, 2025
- Award Amount: Four (4) \$3,500 Scholarships

We encourage you to share this opportunity with students who may benefit from the scholarship and align with its requirements. For more details and to apply, students can visit www.acectn.org/scholarships or reach out to Kasey Anderson (kanderson@acectn.org).



VINSE's 2nd Friends & Family Day

On 4/5

We are excited to invite you and your family to VINSE's 2nd Friends & Family Day, happening on Saturday, April 5, 2025 from 1:00 PM to 4:00 PM at the Engineering Science Building on the Vanderbilt Campus.

After the success of our inaugural event in 2022, we are thrilled to bring this interactive and educational event back! It's a wonderful opportunity for students, families, and the larger Nashville community to learn about the fascinating world of nanoscience through hands-on demonstrations, facility tours, and more. Register Here

Event Highlights:

• Hands-on Science Demonstrations: Explore engaging topics like microscopy, graphene transfer, light diffraction, ferrofluids, and more!

- Tours of VINSE's Core Facilities: Step inside our Cleanroom (12 and older), Advanced Imaging Suite, Analytical Lab, and 3D printing facility.
- Family-Friendly Fun: Participate in cleanroom gown dress-up stations, take photos with cleanroom cutouts, and enjoy a cleanroom window tour.
- Food & Prizes: Enjoy Ben and Jerry's ice cream, snacks and enter to win exciting door prizes.

Discover Answers to Fun and Fascinating Questions:

- · How did a researcher win a Nobel prize with a pencil and tape?
- Can something be both a liquid and a solid?
- · How can scientists make a nickel look like a penny?
- How do you keep sand dry in a bucket of water?
- And much more!

It's a great opportunity to explore the wonders of nanoscience in a fun and interactive setting!

Register Here

I got the Internship/Job, Now what?

Due on 4/8



Power the Community Competition

Deadline on 4/15



Win big in the Power the Community competition! With a \$31,000 prize pool and a deadline of April 15, 2025, this is their chance to stand out in energy and sustainability.

Register now

STEM Funding and Research Opportunities

• For Undergraduates:

Paid Summer 2025 Undergraduate Research Placements:

Over 700 programs – NSF REU, NASA, NIH and other paid summer research opportunities for undergrads

https://pathwaystoscience.org/Undergrads.aspx

• For Financial Support in Graduate School:

Fellowships and graduate programs in a wide variety of STEM disciplines:

http://www.pathwaystoscience.org/Grad.aspx

• For tips on applying and associated resources:

http://www.pathwaystoscience.org/toolbox.aspx

• For opportunities specifically in the Ocean Sciences:

http://www.pathwaystoscience.org/oceanscience.aspx

• For opportunities specifically in Engineering:

http://www.pathwaystoscience.org/engineering.aspx

Paid Summer Research, Graduate Fellowships, and Graduate programs!

For Undergraduates Paid Summer 2025 Undergraduate Research Placements: Over 700+ programs - NSF REU, NASA, NIH and other paid summer research opportunities for undergrads

For Financial Support in Graduate School Fellowships and graduate programs in a wide variety of STEM disciplines





For tips on Applying and Associated Resources



www.pathwaystoscience.org

SEARCH for a program ... find your future!

ACEC Research Institute

• The ACEC Research Institute is the leading source of knowledge and thought leadership for creating a more sustainable, safe, secure, and technically advanced built environment. The Institute's mission is to deliver information and business strategies that guide and elevate the engineering industry through research, forecasts, trend analysis and academic scholarships.

Through the ACEC Research Institute scholarship portal, qualified students have access to more than 100 scholarships totaling nearly \$1 million in grants, including:

- A \$5,000 NCEES Scholarship specifically for students from Tennessee
- ° A variety of diversity and inclusion scholarships, including those for HBCUs
- ° Both merit-based and need-based opportunities

The portal will automatically match students with ALL scholarships available to them based on their completed application. Application deadlines vary, so students are encouraged to apply today!

You can share the attached graphic and the following link with your students to help spread the word:

https://acecinstitute.awardspring.com/

For more information or support, please feel free to reach out to me. Thank you for your time and assistance in helping us empower the future generation of engineers.



University Pathway Program



iX VUSE

Are you interested in gaining global work experience through an international internship?

Imagine working on cutting-edge projects, like developing machine learning models for a cancer research company, while enjoying the stunning views of Cape Town's beaches and mountains. This was my reality this past summer, and it could be yours too!

My name is Michael Davis, and I am a junior here at Vanderbilt majoring in Biomedical Engineering and following the premed track. Last summer, I had the incredible opportunity to participate in an internship and professional development program in Cape Town, South Africa. iXperience, collaborates with various local companies in South Africa, providing students with a unique industry experience while helping them build their résumés. While I participated in their Data Science program, they also offer opportunities in consulting, investment banking, and digital marketing.

If this resonates with you, feel free to email me: michael.a.davis@vanderbilt.edu and explore the opportunities on the website linked here!

Engineering Focus Areas

Did you know you could declare a new area of specialization? Focus areas provide guidance to students wishing to concentrate on a specialized topic within engineering. Focus areas are typically nine credit hours, and qualifying courses are listed in the catalog. Scan the QR code to learn more!



U.S. NSF Funded International Research Opportunity

For Summer 2025

Call for the Applicants for the U.S.-Denmark-Program-NSF-IRES-INNOVATOR in Summer 2025

- Call for Summer 2025:
 - Apply now to become a paid international researcher on an exciting new U.S.-NSF-funded project with Dr. Masoud Davari and Dr. Masoud Karimi-Ghartemani in the Artificial Intelligence (AI)-Power and Center of Reliable Power Electronics (CORPE) directed by Prof. Frede Blaabjerg in the AAU Energy Department at Aalborg University (AAU) in Aalborg, Denmark.
 - For information on eligibility, stipends, and the application form—go to the following link and/or contact the mdavari@georgiasouthern.edu email.
 - Click on the U.S.-Denmark-Program—NSF-IRES-INNOVATOR Website hyperlinked here.
 - Alternatively, copy/paste the https://sites.google.com/georgiasouthern.edu/usdenmark-nsf-ires-innovator/home link.
- Past Experiences:
 - For information on student participants' research and cultural activities in Summer 2024—go to the following link.
 - Click on the Summer 2024—Cohort Experiences and Cohort-Based Research Projects Page hyperlinked here.
 - Alternatively, copy/paste the https://sites.google.com/georgiasouthern.edu/usdenmark-nsf-ires-innovator/summer-2024-cohort-experiences-and-cohort-basedresearch-projects link.
 - For information on student participants' research and cultural activities in Summer 2023 go to the following link.
 - Click on the Summer 2023—Cohort Experiences and Cohort-Based Research Projects Page hyperlinked here.
 - Alternatively, copy/paste the https://sites.google.com/georgiasouthern.edu/usdenmark-nsf-ires-innovator/summer-2023-cohort-experiences-and-cohort-basedresearch-projects link.

Conference Travel Funds

Apply Yearlong



STEM Spring Tutoring



Contact: The Office of Student Success at vuse-studentsuccess@vanderbilt.edu Additional tutoring services: www.vanderbilt.edu/tutoring

