

April 2nd, 2025



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## VUSE Student Success & Resources

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### GDG Vanderbilt Workshop

On 4/3

Come learn about Google Cloud and how to connect the frontend of a to do list to the Google Sheets API!



# GDG Vanderbilt *Workshop*

Join our Google Cloud workshop to learn how to connect the frontend of a to do list with the Google Sheets API!

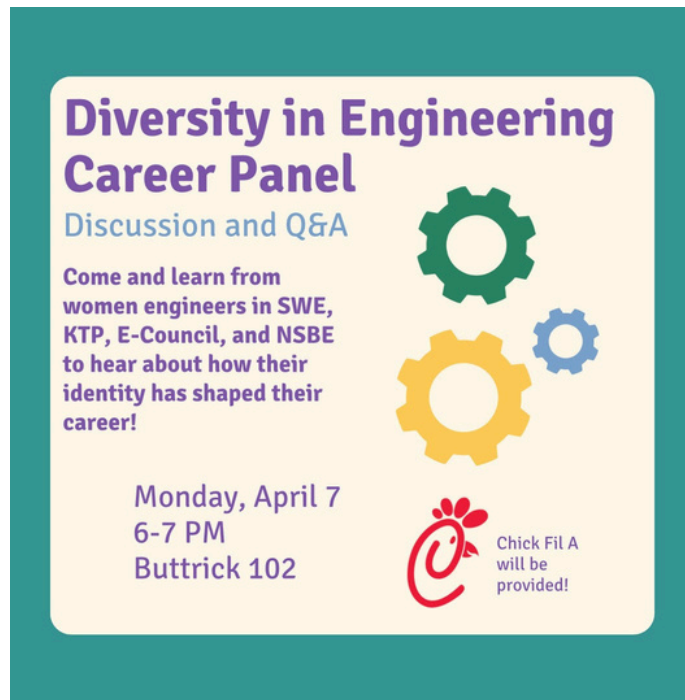
**4/3**  
**Thurs 6PM**  
**@ FGH 110**



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## **WE, E-Council, KTP, and NSBE Diversity in Engineering Career Panel**

On 4/7

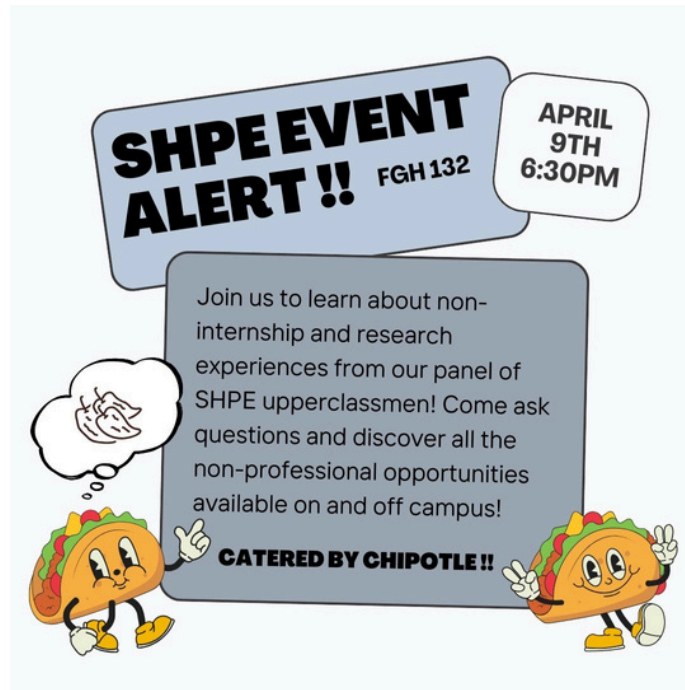


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## SHPE's Gaining Non-Internship Experience Panel

On 4/9

Join the Society of Hispanic Professional Engineers for a **panel** on ways to **gain non-internship experience** and Chipotle! We will be asking our very own upperclassmen on how they have navigated gaining unconventional experiences for their resume both here at Vanderbilt and in the community.



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## Professional Development Fund

Due on 4/30



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## 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](#)

## Let's Chat Finance with Goldman Sachs!

On 4/7

Goldman Sachs, a top Fortune 500 company and leader in investment banking, securities, asset management, and wealth management, will be visiting campus on **April 7th** from **5 pm** to **6 pm** in **FGH 132** to share insights on how engineers can thrive in finance careers and the diverse career opportunities it offers. Snacks will be provided.



**Let's Chat Finance with Goldman Sachs!**

JOIN US AS WE EXPLORE HOW ENGINEERS WORK IN THE FINANCE INDUSTRY

Snacks will be provided!

📍 Featheringill Hall, Rm 132  
⌚ 5 pm - 6 pm  
📅 Monday, April 7th

RSVP BY MARCH 28TH TO SAVE YOUR SEAT. SPACE IS LIMITED!



VANDERBILT School of Engineering  
For any questions, please contact: vuse-studentsuccess@vanderbilt.edu

# I got the Internship/Job, Now what?

Due on 4/8



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## Power the Community Competition

Deadline on 4/15



A promotional poster for the 'Power the Community 2025' competition. At the top left is the 'Energy Mentors' logo. To its right are logos for 'CLEAR', 'EY', and 'Sustainability'. The main title 'POWER THE COMMUNITY 2025' is in large orange letters. Below it, a photo shows a smiling young woman and man, both carrying backpacks and holding books. To the left of the photo, the text reads 'AN INTERNATIONAL COLLEGE DESIGN COMPETITION' and 'Join the global challenge to design sustainable energy infrastructure for your community!'. Below this, a blue banner says 'REGISTRATION BEGINS AUGUST 15, 2024'. To the right of the photo, a circular badge says 'REGISTER NOW & WIN \$31,000'. Below the photo, there are two columns of text. The left column is titled 'DESIGN THE FUTURE OF ENERGY' and lists three points: '1 Showcase your skills and creativity in sustainable energy solutions', '2 Offers certifications', and '3 Learn & build network'. The right column is titled 'COMPETITION DETAILS' and lists four points: '1 Open to students worldwide', '2 Registration deadline March 15, 2025', '3 Project submission deadline April 15, 2025', and '4 Judged by Industry experts and professionals'. At the bottom left is a QR code with the text 'SCAN AND PARTICIPATE NOW!'. At the bottom are the website 'www.energymentors.org' and the email 'info@energymentors.org'.

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](#)

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## Join V-Squared Ambassadors

Deadline on 4/30



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# Design Studio Mentor Applications

Apply to be a Mentor at the Design Studio!

- Help others!
- Apply your learning and learn some more!
- Flexible Hours (2 hours/week)!
- Get 24/7 access to the Design Studio!

Applications are open! Scan the QR Code to get started!



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## University Pathway Program



The poster features the Vanderbilt University logo (a gold 'V' in a black square) and the Waters logo (the word 'Waters' in a serif font). Below the logos, a paragraph describes Waters Corporation as a leading specialty measurement company. A central diagram shows a four-step process: Internship (laptop icon), Mentor (handshake icon), Educational Award (diploma icon), and Employment (person icon), connected by arrows. Below this, text states that Waters is seeking STEM students in partnership with Vanderbilt University. A bulleted list details the program's benefits: a summer internship, a dedicated Waters mentor, and guidance toward an employment offer. A QR code is prominently displayed with the text 'Scan the QR code to apply!' and an arrow pointing to it. The bottom of the poster has a blue bar with contact information for Jess Lee.

**V**  
VANDERBILT  
UNIVERSITY

Waters™

Waters Corporation is the world's leading specialty measurement company focused on improving human health and well-being through the application of high-value analytical technologies and industry leading scientific expertise.

Waters University Pathway Program

INTERNSHIP → MENTOR → EDUCATIONAL AWARD → EMPLOYMENT

In partnership with Vanderbilt University, Waters is seeking students pursuing degrees in STEM to apply for the Waters University Pathway Program which includes:

- A summer internship
- A dedicated Waters mentor
- Guidance to work toward an employment offer upon graduation

Scan the QR code to apply!

Questions? Reach out to Jess Lee (Jess\_Lee@Waters.com)

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# The Order of the Engineer

## RSVP Today

The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer.

The Order is not a membership organization; there are never any meetings to attend or dues to pay. Instead, the Order fosters a unity of purpose and the honoring of one's pledge lifelong.

Seniors – RSVP for your spot today for the Order of the Engineer Induction Ceremony

Questions? Contact the VUSE Office of Student Success

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# ORDER OF THE ENGINEER

INDUCTION CEREMONY

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**5.07.2025 AT 3PM**  
**FEATHERINGILL HALL 134**



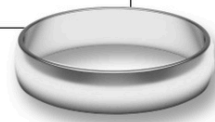
<http://redcap.link/orderoftheengineer>

SENIORS! RSVP TO RESERVE  
YOUR SPOT & YOUR RING!



Questions?

Email VUSE Office of Student Success  
vuse-studentsuccess@vanderbilt.edu



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## 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**

**IBP** [www.pathwaystoscience.org](http://www.pathwaystoscience.org)  
*Education and career training opportunities in Science, Technology, Engineering & Mathematics (STEM)  
 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.



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## 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](mailto:michael.a.davis@vanderbilt.edu) and explore the opportunities on the [website linked here!](#)

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# 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!



**ENGINEERING FOCUS AREAS**

**GRADUATE FROM VANDERBILT WITH  
A NEW SPECIALIZATION**

**INCLUDING:**

- Human Computer Interaction
- Microelectronics
- Nanotechnology
- Strategic & Technical Consulting
- Engineering Communications
- Entrepreneurship
- Product Development

**TO DECLARE A FOCUS AREA:**  
Visit the Engineering Forms Webpage

**ONLY 3  
CLASSES**

 **SCAN HERE FOR MORE INFORMATION**

The graphic features a light gray background with blue molecular structures at the top. It includes a yellow lightbulb icon above the 'INCLUDING:' section. To the left of the list are two test tubes (one red, one green) and to the right are two Erlenmeyer flasks (one pink, one green). A large green arrow points from the QR code towards the right.

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## 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

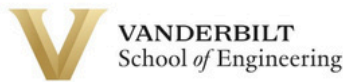
- Call for Summer 2025:



- 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](mailto:mdavari@georgiasouthern.edu) email.
    - Click on the [U.S.-Denmark-Program—NSF-IRES-INNOVATOR Website](https://sites.google.com/georgiasouthern.edu/us-denmark-nsf-ires-innovator) hyperlinked here.
    - Alternatively, copy/paste the <https://sites.google.com/georgiasouthern.edu/us-denmark-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](https://sites.google.com/georgiasouthern.edu/us-denmark-nsf-ires-innovator/summer-2024-cohort-experiences-and-cohort-based-research-projects) hyperlinked here.
      - Alternatively, copy/paste the <https://sites.google.com/georgiasouthern.edu/us-denmark-nsf-ires-innovator/summer-2024-cohort-experiences-and-cohort-based-research-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](https://sites.google.com/georgiasouthern.edu/us-denmark-nsf-ires-innovator/summer-2023-cohort-experiences-and-cohort-based-research-projects) hyperlinked here.
      - Alternatively, copy/paste the <https://sites.google.com/georgiasouthern.edu/us-denmark-nsf-ires-innovator/summer-2023-cohort-experiences-and-cohort-based-research-projects> link.
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## Conference Travel Funds

### [Apply](#) Yearlong



## OPPORTUNITY FOR **CONFERENCE TRAVEL FUNDS**

VUSE students can apply for funding up to **\$750** to go towards travel costs to present their research at a conference!

Applications must be submitted **at least one month prior to the conference.**

Funds contingent on availability.

**APPLY  
HERE**



Questions?  
E-mail [vuse-studentsuccess@vanderbilt.edu](mailto:vuse-studentsuccess@vanderbilt.edu)

# STEM Spring Tutoring



## STEM TUTORING

JAN. 21 - APR. 21  
(EXCLUDING BREAKS) | **SPRING 2025** | EVERY DAY  
8AM-9PM CT

BME 2100	CS 1100	MATH 1100	MATH 2400
CE 2200	CS 1101	MATH 1200	MATH 2420
CHBE 2200	CS 1103	MATH 1201	MATH 2810
CHEM 1601	CS 2201	MATH 1300	MSE 1500
CHEM 1602	ECE 2112	MATH 1301	PHYS 1601
CHEM 2222	ECE 2123	MATH 2300	PHYS 1602

AVAILABLE ON  
WEB AND APP



**penji**  
TUTORING

FREE TO ALL  
VU STUDENTS!

Contact: The Office of Student Success  
at [vuse-studentsuccess@vanderbilt.edu](mailto:vuse-studentsuccess@vanderbilt.edu)  
Additional tutoring services: [www.vanderbilt.edu/tutoring](http://www.vanderbilt.edu/tutoring)

## GROUP TUTORING

COURSE MATERIAL REVIEW AND Q&A HOSTED BY A GRAD STUDENT TUTOR

**SPRING 2025 | JAN. 21 - APR. 21**

**Mondays / Wednesdays**

**1-3 PM in FGH 313**

Math 1300, Math 1301, and Math 2420



with Abi

**Mondays / Wednesdays**

**4-6 PM in FGH 313**

Math 1300, Math 1301, and Chem 1601



with Joshua



SIGN UP ON THE PENJI APP

FREE TO **ALL** VU STUDENTS!

Contact: The Office of Student Success  
[vuse-studentsuccess@vanderbilt.edu](mailto:vuse-studentsuccess@vanderbilt.edu)  
Additional tutoring services: [www.vanderbilt.edu/tutoring](http://www.vanderbilt.edu/tutoring)





Follow E-Council socials!

Want your organization to be featured in next week's E-Council newsletter?  
Send a short blurb and graphic to [kathleen.j.hartono@vanderbilt.edu](mailto:kathleen.j.hartono@vanderbilt.edu) by Tuesday at 6pm to be included in  
the Wednesday newsletter.