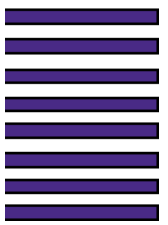




SCHOOL OF ENGINEERING AND COMPUTER SCIENCE



Bits & BYTES

ISSUE 2 | NOVEMBER 2023 | VOLUME 1



Giving Thanks...

November is the month of Thanksgiving...The School of Engineering and Computer Science would like to take this time to give Thanks to the 51 donors who contributed **more than \$12,000** to our programs throughout the year. Your

generosity ensures that every SECS student has the opportunity to experience hands-on learning from the first day of classes through Graduation.

GIVE NOW

We want to thank our advisory committee members, who have dedicated their time throughout this year, ensuring our programs are relevant and meet the needs of today's industry employers.

Mechanical Engineering Advisory Committee

Roy Ackerman
Brad Anslinger
Dr. John Baker
Kevin Brittain
Matt Brown
Keith Farrar
Gary Gardner
Jordan Haycock
Craig Kessler

Kenneth Kaufmann
Robert Lance
David Martin
Ian McGiffen
Mary Miller
Susan Olsen
Paul Simms
Brett Werner
Dr. Jessie Lofton

Civil Engineering Advisory Committee

Scott Albin
Jamie Baehl
Tim Barnett
Lindsey Bowlin
Brad Eddings
Mike Feltz
Matt Gentry
Ryan J. Higbie
Brian R. Litherland

Jim Morley, Jr
Tobias Randolph
David Reamer
Cherylynn Schilling
JD Sloan
Breanna Burke, ASCE
Dr. Hyunsoung Park

Lastly, we want to thank our alumni who take time to write letters to our admitted students each Spring, welcoming them into our UE Engineering family: Matt Gentry, Jesse Schneider, and Jill Snyder. We are grateful for all that you do to support SECS

Schroeder Family Dean of the College of Business and Engineering

Search Begins

The University of Evansville has hired consulting firm, WittKieffer, to conduct the nationwide search for a candidate to fill the vacant position of Schroeder Family Dean of College of Business and Engineering

On November 8, a representative from WittKieffer will be on campus to meet with the selection committee and key stakeholders to provide input on the qualities the ideal candidate should possess.

Faculty, staff, and students should check their e-mail for a calendar invitation to their meeting with the WittKieffer representative.

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Meet a member of our Senior Class

STUDENT ORGANIZATIONS

4 CURRICULUM CHANGES
TIPS FOR ACADEMIC SUCCESS



THE CAMPAIGN for THE UNIVERSITY OF EVANSVILLE

FORWARD

WE'RE LOOKING FOR FUTURE ACES

Do you know a high school student who may be interested in learning more about UE? If so, please fill out the prospective student referral form at evansville.edu/alumni/referral



Associate Dean's Corner

Dear SECS family,

By looking at the first page, you might have already guessed the theme of this newsletter. At this time of the year, it is essential to express our gratitude to the many constituencies that make our programs distinct and successful. We are thankful for the unwavering support of our students, who continually inspire us with their curiosity and determination. We are grateful for our dedicated faculty and staff members who go above and beyond to nurture and support the next generation of engineers, computer scientists, and construction managers.

We also extend our thanks to the industry partners who collaborate with us, providing invaluable opportunities for our students in the form of internships, co-op, and full-time job opportunities. As mentioned in the first page of this newsletter, special thanks go out to our advisory council members for their invaluable contributions and guidance. We are in the process of creating advisory councils for our Electrical Engineering, Computer Engineering, Computer Science and Construction Management programs and more information will be provided in the upcoming newsletters.

As we gather with loved ones to celebrate Thanksgiving this year, let's be mindful of the importance of giving back. I hope that you will consider supporting our students through your contribution to our engineering scholarships, our laboratory and teaching facilities, and various student projects. With your continued support, our six unique programs will continue to make a positive impact and we are very grateful for your support. Together, we will continue to mentor, and mold our students, shape the future, and for that, we are truly grateful.

I hope that you will enjoy reading the updates from our senior design project teams, student organizations, and our students from Harlaxton. Talking about Harlaxton, I am working from our beautiful Harlaxton College this semester and I am very thankful for this opportunity.

Wishing you all a happy Thanksgiving.

With a grateful heart,

Suresh Immanuel, Ph.D., P.E.

Associate Dean and Professor

School of Engineering and Computer Science

2023-24 Senior Design Projects

CE 495 SENIOR DESIGN TEAM

The UE civil engineering senior design course provides a unique opportunity for senior civil engineering students to obtain hands on experience on a real world project. This year our senior design team is tasked with designing buildings and a site layout for a non-profit organization called Granted.

Our project involves designing a pavilion for outdoor events, a 4800 square foot main building, a 50 space parking lot, and the foundations for

these structures. We are also creating the site layout of all the amenities that will be located on the 12 acre site as well as working with outside contractors to design utilities on-site and complete other aspects of the project.

Overall, it has been great experience for us to get technical practice but also gain the exposure of what it is like to work on a project as a part of an engineering team.

THERMOSIPHON TEAM

Testing is in full swing after a series of setbacks during base case testing. Rust coating the flow meter sensors was making it difficult to get consistent base case results. Once the team figured out the cause we were able to move forward.

Now, Series 1 of testing has begun. Pending the successful completion of Series 1 testing, we will begin Series 2 testing soon.

NOW HIRING – FACULTY POSITIONS IN SECS

Our growing programs in Electrical Engineering and Computer Science are looking to add Faculty members. The following Faculty positions are open and available on the University of Evansville website.

[Clinical Assistant Professor in Electrical Engineering](#)

[Tenure Track Assistant Professor in Computer Science](#)

[Tenure Track Assistant Professor in Electrical Engineering](#)

Visit evansville.edu/offices/hr/employment for more information.

IMPORTANT DATES

NOVEMBER

6

Registration for Winter, Spring & Summer begins

7

Election Day

8

WittKieffer on campus for Dean Search

10

Last day to drop a class with a "W"

17

Purple Visit Day

18



22-26

Thanksgiving Break

30

SECS Holiday Decorating party

DECEMBER

1

Winter on Walnut

7

Reading/Study Day

Pancake Study Break

8-14

Final Exams

21

Winter Holiday Break begins. Campus closed through January 2

SEARCH BEGINS

John Stewart

Major, Class of 2023

Hometown: St Louis, MO

Why I Chose UE: *I chose UE .because it is a smaller school and I made a bunch of friends during Road Trip that spring.*

Clubs or Organizations Involved in At UE: *, I have been involved with Resident Students Organization, Admission Ambassadors, Intersectional Pro-Choice Assembly, Student Government Association, and Harlaxton Ambassadors*

Internships or Co-op Experience: *Analytical Chemistry Research*

Favorite UE memory: *I will always remember the insane conversations during late night study sessions and all the time I spent with my friends*

Where do you go from here? *I have not accepted a full-time job offer yet. I am planning to go into the workforce, but who knows what the future holds. It's mor fun not to know...*



STUDENT SECTION OFFICERS ATTEND STUDENT LEADER WEEKEND (SLW) in CHICAGO

The Chicago SLW was insightful and there are many skills that we got out of. Our leadership skills were enhanced through the tips we received and ideas that were spoken during the conference. Chris and I got to hear ideas from much bigger colleges and it allows us to see what works best for our section. We also got to listen to 2 guest speakers, one was the previous Director of Aeronautics at NASA and the other is a Research Scientist who specializes in combustion at Argonne National Laboratory. The event was very helpful and we cannot wait to go back next year!

Nate Bingham, ASME Chairman

If you would like to know more about joining the UE ASME Student Section contact Nate Bingham (nb214), Chair or Christopher Martin (cm527), Vice-Chair.



Student Organizations



The Balsawood Bridge competition planning is in full swing. We hope to have a date set and announce plans to local schools before the end of the month. The Southwest Indiana Regional Branch of ASCE is working with us on this project. We are excited to have the opportunity to work with Professional Engineers and the connections we are making within the profession.

CONCRETE CANOE IS BACK! We started making plans to compete in this year's Concrete Canoe events. Or team captains have submitted the Letter of Intent and Pre-qualification Forms. Next steps include research, concrete mix design calculations, structural design calculations, and creating a project schedule.

ASCE meetings are every other Tuesday at 4 pm. Here is a list of upcoming meetings scheduled for this fall: Nov. 7th, and Nov. 28th. For more information about ASCE, contact Breanna Burke, bb303@evansville.edu.



UE's Society of Women Engineers (SWE) is hosting a **T-shirt design competition** for the School of Engineering and Computer Science. Please submit your design(s) by 5:00pm on Tuesday, November 21st. All students can indicate your preference on shirt style (ex: t-shirt, hoodie, ...) and/or submit design entries using this Google

form: <https://forms.gle/5jj8GLnXKgVuhZWo6>

The winning design will be available for purchase. The person who submits the winning design will receive a free shirt. Instructions for purchasing a shirt will be shared via email when the winning design is announced.

Design Submission Guidelines: The shirt design should not be specific to a single major - we are looking for one design that all SECS majors can wear.

- **Submissions due: 5:00pm, Tuesday, November 21st.**
- No inappropriate language or images are permitted and may result in submissions being reported.
- Submit your design entry as a PDF, JPG, or PNG file
 - upload using Google form: <https://forms.gle/5jj8GLnXKgVuhZWo6>
 - or submit from your UE email to uofeswe@gmail.com
- The design should be limited to a maximum of 2 colors of ink. 1 ink color is preferred. (fewer ink colors = cheaper shirt prices for you)
- The design will be placed on the front of the shirt

See here for more design considerations: <https://www.rushordertees.com/blog/10-t-shirt-design-tips-for-better-results/>

If you have any questions, please contact Dr. Lofton (KC 274, jb363@evansville.edu)

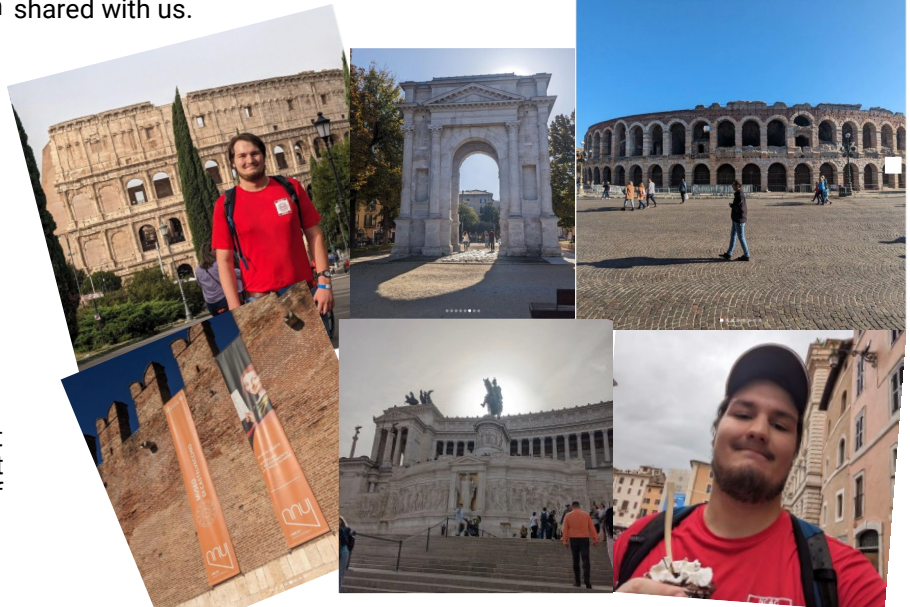


UPDATED CURRICULUM IN COMPUTER SCIENCE

We are excited about the recently approved curriculum changes in the Computer Science program to provide our students with more options to choose courses. In the reimagined curriculum, our Computer Science students have an option to choose and pursue from two different tracks. The Classic Computer Science provides students with equal amount of theory and practical based courses. The Applied Computer Science track focusses more on application.

These changes will train our Computer Science graduates to be industry ready while also providing them an opportunity to graduate with minors and certificates of their choice. For more information about the updated curriculum and these changes please feel free to visit our website at evansville.edu/majors/computerscience or contact Dr. Maxwell Omwenga, Program Director of Computer Science at mo138@evansville.edu.

October 20-27 was Fall Break for our students studying at Harlaxton. Several students spent the week travelling to Italy. Here are some photos shared with us.



TIPS FOR ACADEMIC SUCCESS

Handshake

Meet With the Center for Career Development Regularly—It's never too early to start thinking about your career after college. The University of Evansville encourages all students to take advantage of internship and cooperative learning opportunities. This real-world experience has significant benefits, from applying what you learn in the classroom to allowing you to network with new and experienced professionals within the industry. The Center for Career Development (CCD) offers comprehensive services to facilitate your career development.

Resume Services — Your resume provides a written snapshot of your relevant qualifications and skills to employers and recruiters. Employers use resumes as a tool in determining the candidates they will invite for an interview. Whether you need to write your first resume or update an existing one, CCD staff can help you.

Interview Skills Practice — Your interview gives a potential employer an opportunity to see your communication and problem-solving skills in action. CCD staff can help you polish those skills so you can feel more confident when you go for your next interview.

Career Fairs, Expos, & Forums — College career fairs, expos, & forums provide numerous benefits for college students. As your first venture into the professional world, you have direct interaction with industry professionals, access to various career opportunities, meet prospective employers, and practice professional behavior. CCD staff work to bring potential employers to campus to offer not only full-time employment to graduating seniors, but internships and part-time positions to current students.

Handshake—Handshake is an online platform connecting students & alumni with employers to simplify the recruiting process. CCD utilizes Handshake to connect you to their services. If you haven't already done so, set up your Handshake account today. (You will log in with through the SSO with your UE email address and password)

SCHOLARSHIP OPPORTUNITY

INDOT seeks applicants for Engineering Scholarship Program

INDIANAPOLIS – The Indiana Department of Transportation (INDOT) is seeking applicants for its Engineering Scholarship Program, available for undergraduate and graduate students. Recipients receive financial assistance, as well as opportunities for paid employment during summer breaks and upon graduation.

Students must be accepted or enrolled full-time in one of Indiana's accredited Civil Engineering schools. The program must also be certified by Indiana's Accreditation Board for Engineering and Technology (ABET). Eligible universities with ABET-certified Civil Engineering programs include Purdue University, Purdue University Fort Wayne, Purdue University Northwest, Rose-Hulman Institute of Technology, Trine University, University of Evansville, University of Notre Dame, University of Southern Indiana, Indiana State University and Valparaiso University.

INDOT's scholarship program offers \$3,125 per semester or \$2,083 per trimester for up to five years of post-secondary Civil Engineering education. Scholarship funds may be applied to educational expenses, fees, and books. In return, recipients have the opportunity to work at INDOT in full-time, paid positions during summer breaks and upon graduation.

Learn more about the INDOT Engineering Scholarship Program and the application process at indotscholarship.in.gov. Applications for the 2024-2025 school year must be emailed or postmarked by Sunday, December 31, 2023.

Those with questions may contact Adam Beasley at ABeasley2@indot.in.gov or visit the website listed above.