Weekly ESS Center Announcements
Week of August 9, 2022

Please share as you feel appropriate.
These weekly announcements are sent out on Tuesdays. If you would like us to include your information, please send it to yadeeh@unm.edu by Friday at 5 PM.

ESS HOTLINE: 505-277-4354 | E-mail: ess@unm.edu | Website: ess.unm.edu

Summary

All of our events are FREE and you can...
WIN a gift certificate. GAIN experience. BUILD your skill set. ENHANCE your resume.

- Upcoming Engineering Student Success Center Events and opportunities
  - This Week
    - Summer Bridge Sessions (ALL are welcome)
      - Metrics & Scientific Notation (8/9)
      - How to get into a research lab & Ethics (8/10)
      - UNM Resources & Advisement (8/11)
      - Intro to MATLAB (8/12)
  - New Announcements
    - ESS is Hiring TA's for AI4All for the Fall 2022 semester
    - Lab Safety Series
    - Be part of EPICS for the Fall 2022 semester
  - Next Week
Pre-Semester Prep sessions
- College Algebra Review (Trigonometry & Pre-Calculus Prep) (8/15)
- Pre-Calc/Trig Review (Calculus 1 Prep) (8/16)
- Calculus 1 Review (Calculus 2 Prep) (8/17)
- Calculus 2 Review (Calculus 3 Prep) (8/18)
- Physics 1 Prep (8/19)
- Chemistry 1 Prep

Coming Up
- Fall Line-Up
- Semester-long programs

Reminders
- ESS Resource Page
- Other ESS Center/SOE News and Info

- Job/Research Opportunities/Scholarships
  - Join our Internship Programs
- Other UNM opportunities and news for STEM students
- Community news and opportunities

Stay informed via our “app”!
“engineering your succESS”
SUCCESS.UNM.EDU
Shortcut/”download” instructions:
https://success.unm.edu/menu/howToInstall/

Please share as you feel appropriate.
ENGINEERING STUDENT SUCCESS CENTER EVENTS:
All students are welcome to attend. More information can be found at [https://ess.unm.edu/events](https://ess.unm.edu/events) or through our app ([succESS](https://success.unm.edu)).

**THIS WEEK:**

- **Join us for our Engineering Your Bridge to Success: Summer Bridge Sessions** – this isn’t just for incoming students. Nervous about starting at a University setting in the Fall? Want to feel confident entering your University courses? Then this opportunity is for you.

  The goal of these workshops are to provide students with foundational skills to better support them as they enter their first semester at UNM. Mastering these skills will equip students to handle challenges they may face upon entering the University setting.

  - **What:** Summer Bridge Program
  - **Partners/Presenters:** ESS Center's very own Yadéeh Sawyer and Nada Abdelhack
  - **Where:** Synchronous in-person (in the ESS suite - CENT 2080) and virtual via Zoom ([https://goto.unm.edu/esszoom](https://goto.unm.edu/esszoom)). All sessions start at 10 am MST and typically go until 11:15 am, with a few sessions lasting longer. See specific session at [https://ess.unm.edu/events](https://ess.unm.edu/events) > July & August or via our succESS app ([https://success.unm.edu](https://success.unm.edu)).
  - **RSVP’s** via [https://ess.unm.edu/events](https://ess.unm.edu/events) or through our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)). RSVP is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session
  - **Sessions offered:**
    - Metrics & Scientific Notation (8/9)
    - How to get into a research lab & Ethics (8/10)
    - UNM Resources & Advisement (8/11)
    - Intro to MATLAB (8/12)
Build a Strong Foundation for your Bridge to Success

Engineering Your Future
Summer Bridge Sessions

FREE. Mix & Match.

Engineering a Bridge to Success Stand-Alone Prep Series

Hybrid: Mon - Fri. 10 - 11:15 am MST (unless otherwise noted)
July 25 - August 12, 2022
In-person (in the ESS suite - CENT 2080)
and virtual via Zoom (https://go.to.unm.edu/esszoom)

Mon. 7/25: Eng. & Comp. in the Real World & Spatial Reasoning
Tues. 7/26: Career Pathways & Sci. Method
Wed. 7/27: Scientist-Engineer Decision Toolkit
Thurs. 7/28: Tech. Reading & Writing (w/ctc)
Fri. 7/29: Critical Thinking & Pop. Science
Mon. 8/1: Growth, Development, & Goals
Tues. 8/2: Time Management
Wed. 8/3: How to talk to Instructors
Thurs. 8/4: Learning & Studying
Fri. 8/5: Tutoring Team Work, Study Groups
Mon. 8/8: Basic Excel*
Tues. 8/9: Metrics & Scientific Notation
Wed. 8/10: How to get into a research lab
Thurs. 8/11: UNM Resources & Advisement
Fri. 8/12: Intro to MATLAB

Questions? Visit https://go.to.unm.edu/summerbridge or contact
Yadéeh Sawyer, PhD - Co-Instructor @ yadeeh@unm.edu or (505) 277-9151.

RSVP for reminders at ess.unm.edu/events or our success.unm.edu app

The goal of these sessions are to provide students with foundational skills to better support them as they enter their courses. Mastering these skills will equip students to handle challenges they may face in the University setting.

New Announcements:

- **ESS is Hiring TA's for AI4All for the Fall 2022 semester**
  Deadline: ASAP
  Interested? Please email me, Yadéeh Sawyer, for more information.

About AI4ALL
AI4ALL is a national nonprofit that opens doors to the artificial intelligence industry for historically excluded talent through education and mentorship. We nurture a global community of students who learn AI fundamentals and who then apply those principles to solve society’s most pressing problems in deeply innovative and ethical ways. By telling a new story about who can be a leader in AI, we’re creating tomorrow’s AI leaders and changing technology’s future. AI4ALL has received funding from Pivotal Ventures, Google.org, Prudential Financial, Microsoft, EY, and The Micron Foundation, among others.

About the position
As a AI4ALL College Pathways teaching assistant (TA), you will play a crucial role in contributing to the experience of students participating in the first program offered by College Pathways: Discover AI. The College Pathways initiative fosters the development of new voices at the college level that will lead and shape the future of AI, including Indigenous Peoples, Black, Hispanic or Latinx, Pacific Islander, and Southeast Asian students, trans and non-binary; two-spirit; cis women and girls, lesbian, gay, bisexual, asexual, and queer people, students with a demonstrated financial need and first generation college students into leaders in the AI sector. Discover AI exposes college students to fundamental AI concepts through interactive discussions, conversations with AI experts, research and hands-on assignments. Discover A spans 10 weeks which include:

- A launch week
- 8 weeks of instruction
- A showcase week

This role is virtual with meetings happening through web conferencing platforms like Zoom and Google Meets. On a case-by-case basis, there may be some in-person gatherings beginning in Fall 2022.

- **Lab Safety Series**
  Join us for a 3 part series that will prepare you for lab work, or make you a more valuable lab mate. Attend, one, two, or all three.*
  - **What:** [Lab Safety Series](https://ess.unm.edu/events)
  - **When:** Every other Tuesday from 3:30 - 4:30 PM.
  - **Where:** Virtual via Zoom ([https://unm.zoom.us/j/94545196176](https://unm.zoom.us/j/94545196176))
  - **Topics** (Attend all 3 and earn a Lab Safety Certificate from Environmental Health & Safety) :
    - **8/30/22:** Part 1 - Hazard Communication & Hazard Evaluation
    - **See September, October, and November at [https://ess.unm.edu/events](https://ess.unm.edu/events) for additional parts and additional offerings of Part 1.
  - **Partners/Presenters:** Environmental Health & Safety
    - **RSVP’s** via [https://ess.unm.edu/events](https://ess.unm.edu/events) or through our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)). RSVP is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session
Be part of EPICS this Fall semester!
Fall registration is coming up soon. We hope you consider being part of the EPICS program for 3 credit hours.

Do you want to GIVE BACK to the community, EARN CREDIT, and GAIN RESEARCH EXPERIENCE all at the same time?!

If you said “YES,” then join EPICS @ UNM Course/Program for Spring 2022.

This opportunity is available to students in ANY MAJOR who are fully admitted into their degree program (no-pre-majors), but all projects have an Engineering and Computing focus.

Check out our website for more information. https://goto.unm.edu/epics. And, feel free to email (epics@unm.edu) or call (505-277-9151) me with any questions. I hope you consider joining.
Professional Development Opportunity: Artificial Intelligence & Careers in Tech

University of New Mexico and nonprofit AI4ALL have partnered to offer students the opportunity to apply to the College Pathways Discover AI program.
*Available to ALL Majors!!!*
WHAT

- Discover AI is a virtual program in partnership with your school that provides students with a project-based introduction to computer science, machine learning, data, artificial intelligence and tech careers through the lens of societal and ethics impact. In addition, students get access to AI industry leaders and are guided through a roadmap with the goal of cultivating a future career in the AI industry.

- What are both the positive and negative implications of AI technology on society? How can (and does) AI affect communities in today’s world? Through research, discussions, and reflection, you will explore the intersectionality of AI with other fields and articulate your own mindful perspective of AI. The program is facilitated at no cost to students.

- Students that complete the program will emerge with actionable next steps in pursuing an academic or career path in AI - and the opportunity to continue in the following semester to our second program, Apply AI and direct mentorship from industry leaders in the AI and tech industry from companies like Google, Capital One, Facebook, Slalom Consulting, Accenture, Pearson and more. At the end of the Discover AI program, participants receive an AI4ALL Discover AI certificate of completion.

WHO

- If you’re a Computer Science major, the program is a great supplement to your existing course work.

- If your major is NOT Computer Science, we welcome you as well! If accepted, you will have the opportunity to learn more about artificial intelligence in a safe and thoughtful environment that offers you the opportunity to consider AI as a future career option and as a presence in your major industry/discipline

- AI4ALL programs are designed to bring together and highlight voices that have been historically excluded, and that will lead and shape the future of AI.

- Freshman, Sophomores, and Juniors

- All coding and/or Computer Science/AI levels (including everything from no experience to advanced)

WHEN

- Launch is in September with Synchronous & Asynchronous Instruction. Please review the program’s application for more details.
Pre-Semester Prep Workshops – These interactive workshops will review all foundational material leading up to the specified course so you are better equipped to hit the ground running.

- **What:** Pre-Semester Prep Series
- **Attend our Physics 1, Pre-Calc/Trig, Calc 1, or Calc 2 sessions and provide feedback for access to a general knowledge exam to even better prepare you for the first exam (and potentially beyond) within your course.
- **Partners/Presenters:** ESS Center and CAPS
- **Where:** Synchronous in-person (in the ESS suite - CENT 2080) and virtual via Zoom (https://goto.unm.edu/esszoom)
- **RSVPs** via https://ess.unm.edu/events or through our succESS app (https://success.unm.edu/events). RSVP is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session
- **Sessions offered:**
  - College Algebra Review (Trigonometry & Pre-Calculus Prep)^
  - Pre-Calc/Trig Review (Calculus 1 Prep)^

Who Should Apply:

AI/ALL programs are designed to bring together and highlight voices that have been historically excluded, and that will lead and shape the future of AI. We aim to serve the following students, especially those in the intersection of two or more of these identities:

- Indigenous Peoples, Black, Hispanic or Latinx, Pacific Islander, and Southeast Asian
- Trans and non-binary two spirit, non-hetero, and queer
- Lesbian, gay, bisexual, transgender, and queer
- Students with a demonstrated financial need (for example, students who receive financial aid)
- First-generation college student

Open to Freshmen, Sophomores, and Juniors. Discover AI/ALL is designed to accommodate both students with and without prior computer science or AI experience. No program fees.
Start Your Semester Off Right
Join us for a **FREE**

Pre-Semester Prep Workshop Series

These interactive workshops will review all foundational material leading up to the specified course so you are better equipped to hit the ground running.

Synchronous in-person in the ESS suite & virtual via Zoom

<table>
<thead>
<tr>
<th>Workshop</th>
<th>Date</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>College Algebra Review (Pre-Calc/Trig Prep)</td>
<td>Monday, August 15, 2022</td>
<td>10 AM - 12 PM</td>
</tr>
<tr>
<td>Pre-Calc/Trig Review (Calc 1 Prep)</td>
<td>Tuesday, August 16, 2022</td>
<td>10 AM - 12 PM</td>
</tr>
<tr>
<td>Calc 1 Review (Calc 2 Prep)</td>
<td>Wednesday, August 17, 2022</td>
<td>10 AM - 12 PM</td>
</tr>
<tr>
<td>Calc 2 Review (Calc 3 Prep)</td>
<td>Thursday, August 18, 2022</td>
<td>10 AM - 12 PM</td>
</tr>
<tr>
<td>Physics 1 Prep</td>
<td>Friday, August 19, 2022</td>
<td>10 AM - 12 PM</td>
</tr>
<tr>
<td>Chem 1 Prep</td>
<td>Friday, August 19, 2022</td>
<td>1 - 3 PM</td>
</tr>
</tbody>
</table>

*Attend these sessions & give feedback for access to a general knowledge exam.

RSVP is preferred but not required

[ess.unm.edu/events > August](#) or through our app - succESS

**Coming Up:**
• We have our Fall 2022 Stand-Alone events lined up. Check it out. Want details? Check out our events page as we have details or our succESS 'app' one month before each event.

• Be part of our semester-long programs!
  Mentoring. Internships. Research.
  Fall 2022 Deadlines: September 5.
  - Mentoring: MORE INFO.
    o Be a peer-mentor.
    o Get a STEM professional as a mentor.
  - Internships: MORE INFO.
**Reminders:**

- Check out our ESS Resource pages!
  https://ess.unm.edu/resources/index.html
  These include everything from academic support and career development, to behavioral health and getting into research and goal setting.

**Other ESS Center/SOE news and information:**

- Quick Takes from the Dean
  School of Engineering announces new leadership, promotions
Summer program hits the rails to attract middle and high schoolers to STEM

Save the date: School of Engineering Open House is Oct. 1

(See Previous Announcements below for additional opportunities)

SCHOLARSHIPS

- Please visit ESS Scholarships for a full list – many are available to all, regardless of citizenship status:
  - Internal: [https://ess.unm.edu/programs/current-students/scholarships/internal.html](https://ess.unm.edu/programs/current-students/scholarships/internal.html)
  - External: [https://ess.unm.edu/programs/current-students/scholarships/external-scholarships/external.html](https://ess.unm.edu/programs/current-students/scholarships/external-scholarships/external.html)

- SMART Application Open! 2022
  - [www.smartscholarship.org](http://www.smartscholarship.org)
JOB/RESEARCH OPPORTUNITIES

- **Need help with a Resume or Cover Letter?** We’ve got you covered. Please reach out to our very own Nada Abdelhack, our Job and Internship Placement Coordinator. Email: esscareers@unm.edu. Phone: 505-277-1403.

- Please visit ESS Internships and Jobs for a full list – some are available to all, regardless of citizenship status
  - Internal internship programs: [https://ess.unm.edu/programs/current-students/internships/index.html](https://ess.unm.edu/programs/current-students/internships/index.html)
  - External Jobs & Internships: [https://ess.unm.edu/resources/career.html](https://ess.unm.edu/resources/career.html)

This includes our SPSP Internship Program. Are you a Junior, Senior, or Graduate student in an Engineering or Computing field? Learn more at [https://goto.unm.edu/internships](https://goto.unm.edu/internships). Students are required to participate 12 weeks, 15 hours per week and will receive a stipend. Questions about the SPSP Internship Program? **Contact Nada Abdelhack at esscareers@unm.edu, 505-277-1403**
TA for ENG130L for the Fall 2022 semester
Dr. Jordan and Dr. Hamke are looking to hire someone with MATLAB programming experience to help them with the programming labs.

This would be a 0.25 FTE (10 hrs/week). The class size is 150 students. The class has three 1 hour programming sessions and we need to some to help us interact with the students in a one on one manner.

Interested? Please reach out to me, Yadéeh Sawyer (yadeeh@unm.edu)

College of Nursing - Technical Analyst 2
https://unm.csod.com/ux/ats/careersite/18/home/requisition/21087?c=unm

UNM Events/News
Check back next week

Community Events/Opportunities
PREVIOUS ANNOUNCEMENTS
Other opportunities and news for STEM students:
SOE & STEM Student Org Meetings and Campus Events
Check back next week

JOB/RESEARCH OPPORTUNITIES/SCHOLARSHIPS
Check out the ESS website pages dedicated to jobs, internships, and scholarships for more.
Check back next week

UNM EVENTS/NEWS
Listed in Chronological Order
(Repeat/Continuous opportunities are listed below Jobs/Research Opportunities/Scholarships)

- Yoga & Qigong at AAPIRC
  Wednesdays @ 2 pm.

  ![Image of Yoga & Qigong at AAPIRC]

  *Unwind this summer semester with...

  Yoga & Qigong at AAPIRC!
  Wednesdays @ 2pm

  These sessions are open to all students, staff, and faculty!
  Bring your own mat or use one of AAPIRC’s.

  ![Image of Yoga & Qigong at AAPIRC]

COMMUNITY EVENTS/OPPORTUNITIES
- CAHSI/NMSU Workshop- Interested in a Computing career?
  Aug 12, 12-1pm MT
From the NM EPSCoR Newsletter

**GEM Fellowships (UNM & NMSU - MS & PhD Minorities)**
Supporting underrepresented minorities in science & engineering programs. Both fellowships cover full tuition and fees. Final submission deadline is November 15.

**Amount:** PhD - at least $16k living stipend per year; MS - $16k stipend over entire MS program

**Early Consideration Deadline: Oct 1**

**NSF Graduate Research Fellowship (MS & PhD students)**
Provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM or STEM education. **Women, members of underrepresented minority groups, persons with disabilities, veterans, and undergraduate seniors are strongly encouraged to apply.** [Link to useful info page.]

- **10/18/2022** - Computer and Information Science and Engineering, Materials Research, Psychology, Social, Behavioral and Economic Sciences, STEM Education and Learning
- **10/20/2022** - Engineering

**Deadlines: October**

| OCT 27 - 29 | National Diversity in STEM Conference

*In-person event in Puerto Rico*
Lead by [SACNAS](#), this conference is the largest multidisciplinary and multicultural STEM diversity event in the country. NM EPSCoR is going, are you?! [More info here!]

| NOV 5 | New Mexico Research Symposium

*In-person event @ UNM student union building*
Save the date! More information to come in August and September!
We hope to see you around.

In Solidarity,
Yadéeh E. Sawyer, Ph.D. (she/her/ella)

Retention Program Specialist (UNM Alumni; Staff Council Grade 12 Rep)
Safe, Green, and Dream Zone Certified
UNM - Engineering Student Success Center - Room 2095
yadeeh@unm.edu
505.277.9151

Stay informed through our app: succESS

ESS Webpage: ess.unm.edu
Tutoring | Scholarships | Mentoring | Undergraduate Research | EPICS | Internships and Co-Ops | Engineering Ambassador | Academic Success Workshops & Special Events for Engineering and Computer Science Students

ESS social media @UNMESSCenter

Events and Workshops: ess.unm.edu/events

Semester Long Programs:

- **Mentoring:**
  - Get a Mentor who is a STEM Professional
  - Be a Peer-Mentor
- **Research:**
  - Student Research Experience Program
  - EPICS (Engineering Projects in Community Service) @ UNM

Want to know about other STEM related opportunities? Join our listserv: UNM_STEM-L

ESS is located on the 2nd floor of the Centennial Engineering Center #2080
MSC01 1145; Building 112 (UNM Campus Map)