Weekly ESS Center Announcements

Week of February 15, 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**
    - Critical Thinking & Pop-Science (Feb 16)
    - Two-Axis Rotations (Feb 17)
    - Improve Your Study Skills (Feb 21)
  - **New Announcements**
    - Build With Robots Tabling Event (Feb 22)
  - **Next Week**
    - Presentations, oh my! What is a Conference? (Feb 22)
    - Lab Safety Series – Part 2 (Feb 22)
  - **Coming Up**
    - Presentations, oh my! (Tuesdays, Feb 29 – Mar 22)
    - ACED Tech Skills Sessions (Feb 24)
    - Inclined Planes & Curved Surfaces (Mar 3)
    - Fundamentals of MATLAB (March 4)
    - ESS Twitch – Rocket League (Mar 9)
  - **Reminders**
- ESS Spring 2022 Tutors now available
- Join our events – Win a Gift Card
- SOE Internships Available!
- 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

Download instructions:
https://success.unm.edu/menu/howToInstall/

Please share as you feel appropriate.

Follow us on Social Media

We have additional resources for Future Students HERE.

ENGINEERING STUDENT SUCCESS CENTER EVENTS:
All students are welcome to attend.
More information can be found at https://ess.unm.edu/events or through our app (succESS)

February is Black History Month.
Critical Thinking & Pop-Science - No, you shouldn't just believe something just because you see it on TV or the Internet! But, HOW do you know what you CAN believe or trust? In this interactive session, you'll learn not just what critical thinking is, but how that skill can be developed and used in both your every-day lives, as well as your academic and professional careers.
- **What:** [1st & 2nd Year Student Event Series]
- **When:** Wednesday, February 16, 2022. 4 - 5 PM.
- **Where:** Synchronous in-person (in the ESS suite - CENT 2080) and virtual via Zoom ([https://goto.unm.edu/esszoom](https://goto.unm.edu/esszoom))
- **Presenter:** ESS's very own [Yadéeh Sawyer](https://ess.unm.edu/events) - Retention & Engagement Specialist and coordinator of the ESS [Mentoring & Research](https://success.unm.edu/events) Programs.
- **RSVP** is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session at [https://ess.unm.edu/events](https://ess.unm.edu/events) > February or our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)).
Two-Axis Rotations - In this workshop, Students learn about two-axis rotations with a specific emphasis on how to rotate objects both physically and mentally about two axes. A two-axis rotation is a rotation of an object about a combination of x, y or z-axes, as opposed to a single-axis rotation, which is about a single x, y or z-axis. This workshop follows the same format as that of the one-axis rotation workshop. Students practice drawing two-axis rotations through an exercise using cube blocks to create shapes, and then drawing on isometric paper the shapes from various x-, y- and z-axis rotation perspectives. Then they individually apply the same rotation concepts in a workbook exercise. They also pair up with a partner to test their exclusively mental spatial visualization abilities at a station with no rotating built objects. Lastly, students further solidify two-axis rotation concepts via computer software exercises.

- **What:** Spatial Visualization Series
- **When:** Thursday, February 17, 2022. 4 - 5:30 PM.
- **Where:** Synchronous in-person (in the ESS suite - CENT 2080) and virtual via Zoom (https://goto.unm.edu/esszoom)
- **RSVP** is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session at https://ess.unm.edu/events > Feb, Mar, Apr or our succinct app (https://success.unm.edu/events).
• **Improve Your Study Skills** - Come learn some STUDY HACKS to see how you can turn your current habits into effective studying to conquer your classes and beyond. Topics include Information Recall, Anti-Cramming, and The Test Cycle. Read more at [http://caps.unm.edu/services/workshops/explore.php](http://caps.unm.edu/services/workshops/explore.php)
  - **What:** 1st & 2nd Year Student Event Series
  - **When:** Monday, February 21, 2022. 3 - 5 PM.
  - **Where:** Synchronous in-person (in the ESS suite - CENT 2080) and virtual via Zoom ([https://goto.unm.edu/esszoom](https://goto.unm.edu/esszoom))
  - **Partners/Presenters:** CAPS
  - **RSVP** is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session at [https://ess.unm.edu/events](https://ess.unm.edu/events) > Feb or our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)).
1st & 2nd Year Student Event Series

Improve Your Study Skills

Come learn some **STUDY HACKS** to see how you can turn your current habits into effective studying to conquer your classes and beyond.

- Information Recall
- Anti-Cramming
- The Test Cycle

The University of New Mexico

Engineering Student Success Center | CAPS

Monday, February 21, 2022
3 - 5 PM

Synchronous In-Person (ESS suite - CENT 2080) & Zoom (goto.unm.edu/esszoom)

Learn more or RSVP (preferred but not required) at ess.unm.edu/events > February or through our app - succESS

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**NEW ANNOUNCEMENTS:**

- **Build with Robots tabling session**
  2/22 from 11-1 in the Centennial center, 1st floor.
**Lab safety matters!** - 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
- **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):
  - See March and April for additional parts and additional offerings of Part 1 & 2.
- **Partners/Presenters**: Environmental Health & Safety
- **RSVP** is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session at [https://ess.unm.edu/events](https://ess.unm.edu/events) > Feb, Mar, Apr or our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)).
COMING UP:

- Presentations, oh my!
  - **What:** Presentation Prep Series
  - **When:** Across 4 Tuesdays from 11 AM - 12:30 PM - **PIZZA INCLUDED!**
  - **Where:** Synchronous in-person (Centennial Science and Engineering Library (CSEL) - DEN 2) and virtual via Zoom ([https://goto.unm.edu/esszoom](https://goto.unm.edu/esszoom))
  - **Topics:**
    - **2/22/22. What is the Conference?** ([RSVP](https://ess.unm.edu))
      Are you a new researcher looking to present on your research, but need some help understanding conferences? Attend this workshop to learn about the structure of conferences the expectations for turning your paper into an effective presentation. We will discuss expectations for conference panels, managing technology and other issues, and strategies for engaging with comments and critiques during the event, among other things. The workshop will emphasize practical tips and we encourage you to bring your questions and concerns! Following the presentation, students will have the opportunity to put tips into practice in a workshop setting driven by individual interest, which can include: editing, seeking feedback on, and sharing ideas or concerns about presentations with the help of instructors and peer attendees.
      Check March at [https://ess.unm.edu](https://ess.unm.edu) for additional topics in this series.
    - **Partners/Presenters:** Jairo Marshall with the GRC, UNM Librarians Lori Townsend, Amy Jankowski, and Holly Surbaugh and ESS’s very own Yadéeh Sawyer.
- RSVP is not required but is preferred and is a great way to get a 1 week before and the day before reminders (see each event).

- **ACED Tech Skills Sessions:** Title: Fundamentals of Project Management - Advisory Council for Engineering Development (ACED) was created to help UNM students gain quality, industry-level soft skills training and vital work skills that were not observed to be formally taught in the current UNM SoE curriculum. Read more at [our ACED web page](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAMbbKG1B4kiKkUhH6v5Stpo%3D).
  - **What:** Career and Professional Development Event
  - **When:** Thursday, February 24, 2022. 4 - 6 pm MT (5-7 pm CT)
  - **Where:** Live at Centennial Engineering Center, Suite 2080 and Broadcast via Zoom [https://unm.zoom.us/j/97377022577](https://unm.zoom.us/j/97377022577)
  - **Partners/Presenters:** UNM Engineering alumnus
• Inclined Planes & Curved Surfaces - In this workshop, students focus on expanding and applying the knowledge learned in workshops 1-4 to shapes with inclined planes and curved surfaces. A full explanation of how orthographic and isometric views apply to such shapes is provided. Students then practice by building shapes with an inclined plane or curved surface and drawing the isometric views. Then they individually answer workbook problems. They also practice creating orthographic views for inclined planes and curved surfaces in an interactive Orthographic Telephone exercise. For additional explanation of these concepts, students also read and complete a software exercise.

- What: Spatial Visualization Series
- When: Thursday, March 3, 2022. 4 - 5:30 PM.
- Where: Synchronous in-person (in the ESS suite Computer Pod - CENT 2080) and virtual via Zoom (https://goto.unm.edu/esszoom)
- RSVP is preferred but not required. RSVP will get you week before and day before email reminders at https://ess.unm.edu/events > Mar or our succESS app (https://success.unm.edu/events).
The Fundamentals of MATLAB - introductory hands-on workshop.
- Learn the importance of MATLAB
- Comprehend programming etiquette
- Gain the basics to be independent and create more complex programs

- **What:** 1st & 2nd Year Student Event Series
- **When:** Friday, March 4, 2022. 3 - 5:30 PM.
- **Where:** Synchronous in-person (in the ESS Computer Pod - CENT 2080) and virtual via Zoom (https://goto.unm.edu/esszoom)
- **Presenters:** Mekiel Olguin
- **More info:** Make sure you have MATLAB on your computer. This is available for free to UNM Students via [it.unm.edu/downloads](https://it.unm.edu/downloads).
- **RSVP** is preferred but not required. RSVP will get you week before and day before email reminders at [https://ess.unm.edu/events](https://ess.unm.edu/events) > March or our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)).
• Rocket League on Twitch - Join the ESS Center and the UNM Esports Club to answer your questions about UNM Engineering & Computing.
  - **What:** 1st & 2nd Year Student Event Series
  - **When:** Wednesday, March 9 and April 6, 2022. 7-8 PM.
  - **Where:** [https://twitch.tv/unmesports](https://twitch.tv/unmesports)
  - **RSVP** is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session at [https://ess.unm.edu/events](https://ess.unm.edu/events) > March & April or our succESS app ([https://success.unm.edu/events](https://success.unm.edu/events)).
**Reminders:**

- **ESS tutors are now available for Spring 2022**
  [https://ess.unm.edu/services/tutoring/index.html](https://ess.unm.edu/services/tutoring/index.html)

- **Join us in the Spring 2022 semester for YOUR CHANCE to win a gift card!**
  We award winners based on most attended (with bonus points for providing feedback). Attend our sessions to WIN a gift certificate, GAIN experience, BUILD your skillset, and ENHANCE your resume!

- **SOE Internships Available via the SPSP Internship Program**
  [https://goto.unm.edu/internships](https://goto.unm.edu/internships)

  Enhance your classroom experience and become better informed when choosing your career path. The SPSP internship program is available for engineering and computer science students to gain valuable field experience through a paid internship with local participating engineering companies. Don't miss out on this opportunity. Slots are limited and are filling up fast. Once the slots are filled, the program closes.

  To participate, students must meet the following eligibility requirements:
  
  o Must be Junior, senior, and graduate level
  o Must have been admitted into their respective departments (or must have completed all 200 level engineering courses)
  o Must be in good standing (not on probation)
  o Must be US Citizen, DACA, Permanent Resident, national, or Refugee status
To participate, complete the application form at: https://forms.unm.edu/forms/soe_internships

- 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:**

- **Two women at UNM were elected to the American Physical Society.**
  LANL collaborator Dr. Mariana Fazio of the University of New Mexico has been elected as a Member-at-Large for the American Physical Society’s Forum on Diversity and Inclusion. https://engage.aps.org/fdi/home On the recommendation of the 2016 APS LGBT Climate in Physics report, an organizing committee was created to develop a petition and proposal to Council to approve the creation of an APS Forum on Diversity and Inclusion (FDI). The Forum was established by unanimous approval of the APS Council of Representatives in November 2019, with strong support from the APS Committee on Minorities in Physics (COM), the Committee on the Status of Women in Physics (CSWP), the APS Ethics Committee, the Forum on Education (FEd), the Forum on Outreach and Engaging the Public (FOEP), and the Forum on Graduate Student Affairs (FGSA).

LANL collaborator Dr. Sandra Biedron of the University of New Mexico has been elected as a Member-at-Large for the American Physical Society’s Division of the Physics of Beams (DPB). Division of Physics of Beams https://engage.aps.org/dpb/home. Sandra also serves as an advisor to the Physical Sciences Associate Laboratory Director at LANL on accelerator ST&E as well as next generation X-ray light sources for national security applications. The APS Division of DPB was established in 1985. The objective of the Division of Physics of Beams is the advancement and diffusion of knowledge regarding the nature and behavior of beams and the instruments for their production and use. It provides to its members, and to all members of the American Physical Society, an opportunity for coordination and a forum for discussion and communication.

Additionally, "Artificial intelligence assisted design and virtual diagnostic for the initial condition of a storage-ring-based quantum information system" was recently published in IEEE Access.

There are 5 women and two men on the paper. Four of the team members are of color and two of which are from underrepresented groups.

- **Quick Takes from the Dean - Week of February 14, 2022**
  - Feb. 25 Engineering in Action features Project VoICAN
  - 2022 CTSC Health Hackathon planned for March 25-27
  - Shooting for the moon: UNM receives NASA Early Stage Innovation Award
  - Biden administration Office of Nuclear Energy nominee visits School of Engineering
  - Mechanical engineering doctoral candidate develops open-source GPU-capable fluid dynamics code
JOB/RESEARCH OPPORTUNITIES/SCHOLARSHIPS

(Graduate Students – see our page dedicated to additional funding and job opportunities for you: https://ess.unm.edu/programs/current-students/for-graduate-students.html)

(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

  External: https://ess.unm.edu/programs/current-students/scholarships/external.html

- NM Space Grant Fall 2022 - Spring 2023 Scholarships and Fellowships - Applications OPEN

  Fall 2022 - Spring 2023 Scholarships and Fellowships – Application deadline April 11, 2022

  New Mexico Space Grant Consortium (NMSGC) is accepting application for scholarships and fellowships for the fall 2022 and spring 2023 semesters. The application period will close on April 11, 2022.

  NMSGC offers scholarships and fellowships to students enrolled in any community college or university in New Mexico. Applicants must be U.S. citizens, have a 3.0 GPA or above, and must be majoring in a STEM field, with exception of the Pre-Service Teaching Undergraduate Studies Scholarship and the In-Service Teacher Graduate Studies Fellowship. You will find attached the guidelines/requirements for the scholarships.

  The Fall 2022 – Spring 2023 scholarships and fellowships offered are:

  1. Graduate Research Scholarship – $5,000 per academic semester, up to four semesters.
2. **Undergraduate Research Scholarship** – $2,500 per academic semester, up to four semesters.
3. **Community College Student Scholarship** – $1,000 per academic semester, up to two semesters.
4. **In-Service Teacher Graduate Studies Fellowship** – $2,500 per academic semester, up to two semesters.
5. **Pre-Service Teaching Undergraduate Studies Scholarship** – $2,500 for only one semester.

To view and download the Fall 2022 - Spring 2023 Scholarships and Fellowships flyers, go to: [https://drive.google.com/drive/folders/1g8ljxN40zKCP1qv7c1q1i4KUe6gK2i-?usp=sharing](https://drive.google.com/drive/folders/1g8ljxN40zKCP1qv7c1q1i4KUe6gK2i-?usp=sharing)

For more information, or to apply, go to [https://nmspacegrant.com/](https://nmspacegrant.com/) and click on the “Student Support” tab. For questions, contact Cristina Esquivel at cmesquiv@nmsu.edu

Please distribute this information among your network.

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**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 [https://ess.unm.edu/programs/current-students/jobs-and-internships/index.html](https://ess.unm.edu/programs/current-students/jobs-and-internships/index.html).

This includes our SPSP Internship Program. Are you a Junior, Senior, or Graduate student in an Engineering or Computing field? Learn more at [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**
- Summer Intensive Research Internship in Cyber-Physical Systems.  
  [https://autonomy.unm.edu/siri/index.html](https://autonomy.unm.edu/siri/index.html)

- Summer 2022 REU at the University of Central Florida
NSF-DoD REU Site: Advanced Technologies for Hypersonic, Propulsive, Energetic, and Reusable Platforms (HYPER) at the University of Central Florida (UCF).

HYPER addresses challenges in aerospace travel and energy production, advancing the fundamental knowledge needed to overcome technical barriers limiting hypersonic flight. The 10-week program will be held this summer from May 22nd – July 30th, 2022. Participants will gain hands-on research training in challenges such as: utilizing advanced manufacturing techniques for high-value components, integrating in-site monitoring of stress-strain evolution, developing novel methods for improved internal cooling and heat transfer effectiveness, and mitigating flutter through advanced rotor dynamic control. Many of these challenges rely on approaches that cut across disciplines and research techniques.

We are actively recruiting a diverse group of participants. These students will:

• Conduct hands-on research guided directly by a faculty mentor and their graduate student(s)
• Interact with a diverse multidisciplinary team of researchers
• Visit the NASA Kennedy Space Center and various aerospace companies
• Participate in professional development workshops
• Gain in-depth training on numerical simulation software ANSYS
• Prepare for graduate school and a research-based career
• Engage with other REU groups located at UCF

Each HYPER REU participant will receive a summer stipend of $5,000, on-campus housing, and a travel allowance to and from Orlando, Florida. To learn more about the program, please visit our website at cater.cecs.ucf.edu/hyper/ or view the HYPER REU flyer.

The application deadline for HYPER is Sunday, March 13th, 2022 at 11:59 PM ET. Prospective participants may apply at cater.cecs.ucf.edu/hyper/apply/.

The organizers of the program are Drs. Ali P. Gordon and Jeffrey L. Kauffman (hyper@ucf.edu). I hope that you will let us know if you have any questions about the HYPER REU program or the University of Central Florida.
Initiation: Engaging Men & Masculine People (EMMP) Working Group

Dear Engaged Lobo,

We’re pleased to invite you to join the Engaging Men & Masculine People (EMMP) Working Group!

EMMP is a working group under UNM's Office on Violence Against Women (OVW) Campus Grant. The grant focuses on lessening the occurrences of sexual assault, dating/domestic violence, and stalking on college campus with focuses on a few major areas: student conduct, prevention education, victim services, and engaging men & masculine people of the campus community.

Join EMMP to expand your network and give back to the University community. Collaborate with campus partners to create prevention programming to engage men & masculine-identifying people in the work and develop marketing materials targeted to male & masculine-identifying student victims.

The EMMP Working Group has the following expectations for members:
- Attendance at monthly meetings
- Assistance disseminating information about EMMP programs and events
- Attendance at EMMP events, when possible
- Input on topics brought to you by professional staff
- Review of EMMP Working Group programming

Thank you for your time and consideration, we look forward to your response about joining the EMMP Working Group! If you have any questions or need further information, you can reach Armando Bustamante at abustam1@unm.edu.

Sincerely,
Armando Bustamante, He/El, Program Specialist, El Centro de la Raza
Richard Perce, He/Him/His, MCRP Graduate Student
Andrew Yazzie, He/Him/His, Student Recruitment Specialist, American Indian Student Services

BeKind UNM Week
February 14-18, 2022
Using Library Research Services

Join the University Libraries to learn about searches, databases, subject librarians, and more!

February 16, 2022
12:00 PM
Virtual via Zoom

To access the workshop link visit:
http://cfl.unm.edu/graduate-students/workshops/index.html

UROC returns as Hybrid, Abstracts due 2/28!
Our annual UROC is coming on April 7th with an abstract submission deadline of 2/28. Please visit uresearch.unm.edu to see upcoming workshops and to submit an abstract for either an oral, a poster, a UROC180 (3 min presentation) or submit to the Research Story competition. There are CASH PRIZES associated with the UROC180 and
Research Story competition! As well as audience participation (info for that coming soon). Reach out to jcham@unm.edu with any questions.

• Win $ in the UNM Student Team Research Competition

Calling all undergraduate students!

Consider submitting a **student team research concept proposal** to share virtually at the 2022 UNM Team Research Symposium (April 19-21). Six teams will receive monetary awards, with the winning team receiving **$2000**, split among all team members.

**Teams must include at least 2 UNM undergraduate students from different majors and all majors are eligible to participate.** All team members must be pursuing a bachelor’s (4 year) degree and identify a collaborative research problem to address. This could be the design of a new process, creation of a new technology, or development of a research plan for a pressing question. Teams are not expected to conduct the research but rather will submit a proposal to demonstrate their thinking and research design process to the judges.

**Proposals are due by 5pm on 3/1**, please visit this website for further details and to submit!

https://urad.unm.edu/strc.html
• **Study Nights with CAPS at El Centro**

  ![Study Nights with CAPS](image)

  EL CENTRO DE LA RAZA invites you to:

  **Study Nights with CAPS**

  Come enjoy snacks, coffee, and free tutoring from CAPS!

  | EVERY WEDNESDAY | 4PM TO 7PM |
  | @ EL CENTRO |

  SUPPORT IN:
  - Math
  - Physics

  For more information, to request accommodations, or suggest accessibility improvements for this event, contact us at 505-277-5920 or elcentro@unm.edu.

• **Boost your salary, expand your options, or land a job you love**

  By taking courses through UNM’s Continuing Education

  For many of us, a large portion of our life is spent at work (on average, we will spend a third of our lives working). Since we are spending so much time doing our job, shouldn't you LOVE what you do?

  Whether happiness at work comes from a boosted salary, starting a new, exciting career or gaining fresh skills to complete tasks more efficiently, here are some upcoming programs that can help bring joy to your professional journey:
Professional Development

- Project Management
- Professional Communication
- Design Thinking
- QuickBooks
- Brain Science and Your Personality
- Brand Storytelling
- CPA Exam Prep
- Essentials for Managers (offered with UNM Anderson School of Management)

New Career

- Paralegal
- EKG Technician
- Personal Trainer
- Wedding & Event Planner
- Medical Coding & Billing Professional
- NM Real Estate Agent
- Clinical Lab Assistant/Phlebotomist
- Clinical Medical Assistant
- Cannabis Professional

Tech Skills

- AutoCAD
- GIS
- Microsoft Access
- Data Analytics
- Microsoft Excel
- Coding

- **Gain highly desirable drafting and design skills - AutoCAD I**
  Starts February 28th (in-person held at UNM Continuing Education). [Register Now](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTMyOTE1NGQ5N1hZJmLTY0NjQ2ZjgMvQwAQAmbbKG1B4kiKkUhH6v5Stpo%3D)

  **In the last 12 months, there were 1,115 job postings in New Mexico that listed AutoCAD as a desired skill.** *(source: Burning Glass)*

  Earning a [certificate in AutoCAD](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTMyOTE1NGQ5N1hZJmLTY0NjQ2ZjgMvQwAQAmbbKG1B4kiKkUhH6v5Stpo%3D) proves to current and prospective employers that you have the technical skills to maximize what AutoCAD can do. You'll be able to confidently use a leading drafting software, elevating your skills and career to the next level.

  The textbook is included in the cost of this course. Autodesk software access will be provided.
• SHAC (Student Health & Counseling) Zoom Workshops
  NO CHARGE! RSVP: studentcounseling@unm.edu. Deadline to Register: One Business Day before each workshop
  For more workshops, see: SHAC Workshop Webpage
Recruiting for Spring Teaching Conference undergrad panel
The UNM Center for Teaching & Learning, along with other campus partners, is hosting the Spring Teaching Conference that will feature a keynote and workshop from Dr. Laura I. Rendón, various presentations on feminist pedagogies, and undergraduate and graduate student panels focused on teaching that matters.

CTL is looking for undergraduate students who would like to participate in a virtual panel on March 3, 2022, from 12-1pm. The panel is titled, "Hearing from our students: what kind of teaching matters to them?" The panel is an opportunity to hear directly from undergrad students about meaningful teaching experiences they have had, how student needs have changed over the course of the pandemic, areas that need
further institutional or faculty attention, and in general, what they value as students in the classroom.

CTL staff will moderate the panel and provide facilitation questions in advance, as well as work with students to rehearse and practice as a group. CTL hopes to include a range of student voices and backgrounds and so it's important to get the word out to as many students as possible.

**COMMUNITY EVENTS/OPPORTUNITIES**

*Check back next week*

**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.*

- **Summer Research at Purdue - application DUE SOON!**

The application for Summer Undergraduate Research (SURF) at Purdue University is due on Feb 15 (less than 2 weeks)!

Participants receive:

- $5100 stipend for the 10 week summer research program
- Present at our end of summer symposium
- Professional development seminars to prepare you for graduate school
- Additional mentoring and community building activities as part of a growing support network

Don't forget to check out the Pathways Program, which is a unique SURF cohort experience. This is a paid opportunity for underrepresented students to learn how a graduate degree can prepare you for different career pathways, including being a faculty member, working in a government setting/National Laboratory, Industry, and more!
The final deadline for SURF is Tuesday Feb 15, 2022. Please contact eur@purdue.edu if you have any SURF related questions. If you have any questions about the Pathways Scholars Program, please email me at jem@purdue.edu and/or review www.engr.purdue.edu/pathways for more information.

Best wishes,
Dr. Jackie McDermott

PS - Check out the Free Early Discovery Mini-Conference at Purdue University in April 2022. If you identify as an underrepresented student in engineering (freshman and sophomores) and interested in learning more about graduate school, then apply to the online Early Discovery mini-conference. The deadline is March 10, 2022). Apply here: https://purdue.ca1.qualtrics.com/jfe/form/SV_3OaeF3vKr87rM

- NSF CPS Frontier: Cognitive Autonomy for Human CPS Summer Internship

If you are interested in learning about the different research projects available through the SIRI program, then please take a look at their project page. These are summer internships and are available to all undergraduate sophomores, juniors, and seniors, regardless of citizenship status. If you are a freshman who is interested in working with cyber-physical systems, I would still recommend for you to email the PI leading the research project you are interested in and applying to the program.

The deadline for the SIRI Internship application is February 21st.

- ScholarSHPE

The ScholarSHPE program helps fill the gap in the Hispanic education pipeline from high school through to successful career placement in STEM fields. For the 2021-2022 academic year, SHPE provided over $1,000,000 in scholarships. This year YOU could be one of those recipients!

Applications are due April 30. Want help? Register now for our weekly series of webinars. Get the details >

ScholarSHPE

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

- Celebrate Black History Month
For more information about each of these programs, please visit African American Student Services events page or click HERE.
• **Spring 2022 Library Workshops**

  **Coffee & Code**

  The Coffee & Code workshop series presents a variety introductory workshops on data science tools and technologies that are commonly used in current analysis processes and in generating research products (data, statistical output, data visualizations). Adoption of these tools contributes to significant increases in efficiency, productivity, and improved data management throughout the research and data lifecycle - from problem definition, through analysis and visualization, to sharing/publication and preservation of products. Please join us for any or all of these workshops and see how you can increase your research productivity and impact through the adoption of powerful analytic and data management tools. Workshops are held Fridays, 9-11am on Zoom.

  **February 25:** Systematic Review. [Registration](#)
  **March 4:** Reproducibility and Communication using R markdown and Jupyter Notebooks. [Registration](#)
  **March 18:** Special Topic TBD. Registration coming soon.
  **April 1:** Portable and sharable analysis environments using Docker containers. [Registration](#)
  **April 15:** Special Topic TBD. Registration coming soon.
  **May 6:** Open discussion of data management, analysis needs and interests. [Registration](#)
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**UROC Abstract Workshop**

Need help gearing up for **UROC** (aka UNM’s Undergraduate Research Opportunity Conference)? This workshop will help you create an appealing and effective abstract for your project.

**Tues. February 15, 12:30-1:30pm** (in Zimmerman, room B30): [Registration](#)

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**Intro to Zotero Citation Management**

Students and researchers, join us to learn about Zotero software, a bibliographic manager that can help save you time! Learn how to use this system to streamline how you collect and organize your research literature. We will also review the role of extensions within web browsers and those used for writing processor integration, like a Microsoft Word extension used to create bibliographies and in-text citations that are formatted according to style specifications for your papers and other assignments.

**Thurs. February 17, 11am-12pm** (virtually on Zoom): [Registration](#)

**Wed. March 23, 1-2pm** (in Zimmerman, room B30): [Registration](#)

**Tues. April 5, 3-4pm** (in Zimmerman, room B30): [Registration](#)

- **GRC Spring Workshop Schedule**
  [https://grad.unm.edu/resources/paw-site/certificate-program/about-certificate-program.html](https://grad.unm.edu/resources/paw-site/certificate-program/about-certificate-program.html)
• **Lobo Food Pantry Spring Hours**
  
  [https://loborespect.unm.edu](https://loborespect.unm.edu)

**Spring 2022 Hours:**

Lobo Food Pantry

Monday, Wednesday, Friday
11:30-1:30 p.m.
Tuesdays & Thursdays
8-3 p.m.

SUB, Room 1093
(First floor)

Free groceries & toiletries for current UNM students!

What to Bring:
- UNM ID card or valid ID and UNM ID number
- Box/bag to carry your groceries

505.277.2911  l loborespect.unm.edu

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**COMMUNITY EVENTS/OPPORTUNITIES**

• **Virtual Resume Building Workshop**
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)
Green Zone and Dream Zone Certified
UNM - Engineering Student Success Center - Room 2095
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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)