Weekly (July 20) ESS Center Announcements

Yadeeh Sawyer - she.her.ella <yadeeh@unm.edu>

Tue 7/20/2021 10:38 AM

To: Yadeeh Sawyer - she.her.ella <yadeeh@unm.edu>

Weekly ESS Center Announcements

Week of July 20, 2021

Please share as you feel appropriate.

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 book scholarship. GAIN experience. BUILD your skill set. ENHANCE your resume.

• Upcoming Engineering Student Success Center Events and opportunities
  o This Week
    ▪ Join us at the UNM Discovery Fair
    ▪ ACED @ UNM Summer Events (July 24)
  o New Announcements
    ▪ Join our Pre-Semester Prep sessions! (Aug 17 – 20)
      • Tues. 8/17. Physics I
      • Wed. 8/18 & Thurs. 8/19. Calculus I
      • Fri. 8/20. Trip/Pre-Calculus & Calculus II
  o Next Week
    ▪ Summer Bridge Stand-Alone & For Credit Sessions!
      • Tues. 7/27. Career Pathways & the Scientific Method.
      • Wed. 7/28. Intro to MATLAB.
      • Thurs. 7/29. Technical/Scientific Reading & Writing (including Citations).
      • Fri. 7/30. Critical Thinking & Pop-Science.
  o Coming Up
    ▪ Summer Bridge Stand-Alone & For Credit Sessions!
      • Mon. 8/2. Growth, Development, & Goals.
      • Tues. 8/3. Time Management.
• Wed. 8/4. How to talk to Instructors (Professional Communication).
• Thurs. 8/5. How to Make the Most of Your Learning & Studying.
• Fri. 8/6. Tutoring, Team Work, & Study Groups.
• Mon. 8/9. Basic Excel.
• Tues. 8/10. Metrics & Scientific Notation.
• Wed. 8/11. How to get into a research lab.
• Thurs. 8/12. Spatial Reasoning.
• Fri. 8/13. UNM Resources & Advisement.

○ Reminders
  ▪ Sign up to be part of EPICS @ UNM
  ▪ Read all about Mari Aoki (athlete) our newest showcased student
  ▪ ESS Resource Page
  ▪ Together We Stand

○ 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 new app!:
“engineering your succESS”
[SUCCESS.UNM.EDU]SUCCESS.UNM.EDU

Download instructions:
https://success.unm.edu/about/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](https://ess.unm.edu/events) or through our app ([succESS](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAE%2F2Nbl8n0Mbp5FZe7T6a%2D...)).

**This Week:**

- **Come visit us at the UNM Discovery Fair!**
  Every Tuesday until August 17 from 11 AM – 1 PM at [unmnsotogo.vfairs.com](http://unmnsotogo.vfairs.com)

![UNM's Discover Fair Banner](image)

- **ACED @ UNM Summer Events**
  The ACED Advisory Council for Engineering Development is conducting their summer 2021 sessions to talk to students about finding and pursuing career opportunities.
  The talks will be held 9 – 11 am via Zoom ([https://unm.zoom.us/j/97377022577](https://unm.zoom.us/j/97377022577)) on:
  - July 24th – LinkedIn/SocialMedia/Networking

**RSVP** is not required but is preferred and is a great way to get a 1 week before and the day before reminders via our website ([ess.unm.edu/events](https://ess.unm.edu/events)) or our app ([succESS](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjFmLTY0NjQ2ZjgwZjcxMwAQAE%2F2Nbl8n0Mbp5FZe7T6a%2D...)).
NEW ANNOUNCEMENTS:

- **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.

  **Where**: Synchronous In-Person (highly encouraged; in the ESS suit (CEC 2080)) and Virtual via Zoom ([https://unm.zoom.us/j/99158374211](https://unm.zoom.us/j/99158374211))

  RSVP is preferred but not required. RSVP will get you week before and day before email reminders. RSVP for EACH desired session via [ess.unm.edu/events]ess.unm.edu/events > August or [success.unm.edu]success.unm.edu.

  **Courses/Sessions offered:**

  - **Physics 1 Prep** - Prepare students for calculus-based Physics 1 (Phys 1310)
    - **When**: 2 identical sessions offered.
      - Tuesday, August 17, 2021. 10 AM - 12 PM
      - Tuesday, August 17, 2021. 1 - 3 PM

  - **Trigonometry & Pre-Calculus Prep** - Prepare students for Trigonometry & Pre-Calculus (MATH 1230, 1240 & 1250).
**When:** Friday, August 20, 2021 - 1 PM - 3 PM  
**Calculus 2 Prep** - Prepare students for Calculus II (Math 1522)  
**When:** Friday, August 20, 2021 - 1 - 3 PM  
**Calculus 1 Prep** - Prepare students for Calculus I (Math 1512).  
**When:** Mix and match sessions as need be. Do AM (Wed/Thurs) or PM (Wed/Thurs) sessions...or...Wednesday (AM & PM) or Thursday (AM & PM):

- **Wednesday, August 18, 2021.**  
  Part 1: 10 AM - 12 PM  
  Part 2: 1 - 3 PM  
- **Thursday, August 19, 2021.**  
  Part 2: 10 AM - 12 PM  
  Part 1: 1 - 3 PM

**Part 1 will cover:**  
*Equations*  
*Systems of Equations*  
*Solving Inequalities*  
*Absolute Value Equations*  
*Exponents*  
*Logarithms*  
*Radicals*  
*Rationalizing*

**Part 2 will cover:**  
*Polynomials*  
*Common graphs*  
*Graphing*  
*Limits*  
*The Unit Circle*  
*Graphs of Trig Functions*  
*Evaluating Trig Functions*  
*Trig Identities*  
*Solving Trig Equations*
Start Your Semester Off Right
Join us for a FREE Pre-Semester Prep Workshop

Calculus 1 Prep
This interactive workshop will review all the math leading up to Calculus 1 (MATH 1512) so you are better equipped to hit the ground running.

Physics 1 Prep
This interactive workshop will review foundational material leading up to Physics 1 (PHYS 1310) so you are better equipped to hit the ground running.

Trig & Pre-Calc Prep
This interactive workshop will review all the math leading up to Trigonometry & Pre-Calc (MATH 1250) so you are better equipped to hit the ground running.

Calculus 2 Prep
This interactive workshop will review all the math leading up to Calculus II (MATH 1522) so you are better equipped to hit the ground running.

Where: Synchronous In-Person and Virtual via Zoom
The ESS suit (CEC 2080) or https://um.zoom.us/j/99158374211

Mix and match sessions as needed.
Wednesday, August 18, 2021 - Part 1: 10 am - 12 PM | Part 2: 1 - 3 PM
Thursday, August 19, 2021 - Part 2: 10 am - 12 PM | Part 1: 1 - 3 PM

Friday, August 20, 2021: 10 AM - 12 PM.

RSVP is preferred but not required
ess.unm.edu/events -> August
Dr through our app - succESS

Next Week:

- Summer Bridge Stand-Alone & For Credit Sessions!
https://ess.unm.edu/programs/future-students/incoming-student-summer-bridge-program.html

All incoming and current SoE students are encouraged to join!

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.

You have 2 options for Engineering Your Future. See below for additional details.
1. Take our FREE Credit/No-Credit ENG 195 - Engineering a Bridge to Success course. Monday - Friday from 10 - 11:15 am daily, July 26 - August 6, 2021.
2. Attend the sessions as stand-alone events to help gain the information, interactions, and skills, but you will NOT recieve credit for this course. Sessions
will be offered Monday - Friday from 3 - 4:15 pm daily, July 26 - August 13, 2021. Order of events are subject to change. Visit ess.unm.edu/events > July & August or use our app at succESS.unm.edu for details and updates.

**COMING UP:**

- **Summer Bridge Stand-Alone & For Credit Sessions!**
  - Mon. 8/2. Growth, Development, & Goals.
  - Tues. 8/3. Time Management.
  - Wed. 8/4. How to talk to Instructors (Professional Communication).
  - Thurs. 8/5. How to Make the Most of Your Learning & Studying.
  - Fri. 8/6. Tutoring, Team Work, & Study Groups.
  - Tues. 8/10. Metrics & Scientific Notation.
  - Wed. 8/11. How to get into a research lab.
  - Thurs. 8/12. Spatial Reasoning.
  - Fri. 8/13. UNM Resources & Advisement.

---

**Mon. 7/26.** Engineering & Computing in the Real World.
**Tues. 7/27.** Career Pathways & the Scientific Method.
**Wed. 7/28.** Intro to MATLAB.
**Thurs. 7/29.** Technical/Scientific Reading & Writing (including Citations).
**Fri. 7/30.** Critical Thinking & Pop-Science.

---

**Mon. 8/2.** Growth, Development, & Goals.
**Tues. 8/3.** Time Management.
**Wed. 8/4.** How to talk to Instructors (Professional Communication).
**Thurs. 8/5.** How to Make the Most of Your Learning & Studying.
**Fri. 8/6.** Tutoring, Team Work, & Study Groups.
**Mon. 8/9.** Basic Excel.
**Tues. 8/10.** Metrics & Scientific Notation.
**Wed. 8/11.** How to get into a research lab.
**Thurs. 8/12.** Spatial Reasoning.
**Fri. 8/13.** UNM Resources & Advisement.
Fri. 8/13. UNM Resources & Advisement.

**Reminders:**

- **Read all about Mari Aoki (athlete) our newest showcased student**
  [https://ess.unm.edu/resources/showcases/index.html](https://ess.unm.edu/resources/showcases/index.html)

  There is more to our students than just their technical interests. And, the more outside interests and experiences one has, including the arts and creative thinking, the better! Engineering and computing makes one's other interests stronger, and those other interests enhance one's engineering and computer science knowledge and ability.

  **Check out our next showcase:** Mari Aoki, a senior in Computer Science, who has a outside SoE is an athlete.

- **Don't forget to register for Fall 2021 classes!**

  Have questions about courses? [Reach out to your major advisor](mailto:your_major_advisor@unm.edu) and [check out which classes are being offered](https://ess.unm.edu/resources/showcases/index.html) for Fall 2021.

  Do you have financial aid concerns? [Reach out to our Scholarship Manager](mailto:scholarship_manager@unm.edu).

  And, remember, **EPICS @ UNM** is part of this – earn credit, give back to your community, and gain research experience, all at the same time.

  Learn more at [https://goto.unm.edu/epics](https://goto.unm.edu/epics)
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 - Week of July 19, 2021
  - Engineering auditorium dedicated in honor of former Rep. Larry Larrañaga
  - School staff honored with Provost Committee for Staff awards
  - Nominations open for 2021 Distinguished Alumni Awards until July 31

**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

**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

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. 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

• **The Southwest Center of the Pacific Institute for Research & Evaluation is hiring data collectors**
  
  For more info, please call or text Kim at 505-907-0801. To learn more or apply, go to https://tinyurl.com/YHA21

• **Production Assistant Needed**
  
  My name is Rebecca Cavalier and I am the Film Coordinator for the City of Albuquerque Film Office. I am working with a feature film that is looking to hire production assistants with an engineering background. There is a job opportunity in the film industry starting next month. If any students are interested in, please reach out to me directly with their resume. Please give me a call if you have any questions. Thank you!

  REBECCA CAVALIER
  
  film coordinator
  
  o 505.768.3289
  
  c 505.288.0544
  
  e rcavalier@cabq.gov

https://outlook.office.com/mail/inbox/id/AAQkADJjYjc0NTFmLTY0MWE1NGQ5NC1hZiJmLTY0NjQ2ZjgwZjcxMwAQAE%2F2Nbl8n0MbpzsZfe7T6s%… 10/17
OTHER OPPORTUNITIES AND NEWS FOR STEM STUDENTS:

UNM EVENTS/NEWS

- UNM Student Federal Work-Study & UNM Jobs
  Thursday, July 29 & August 12 from 1 – 2 PM via Zoom (ID 916 9079 2780, PW: SSSTRI0)

- Information about Federal Stimulus Money to UNM Students
  The University of New Mexico has exciting news! In the coming weeks, UNM will be distributing funds directly to students as part of a federal stimulus program called the Higher Education Emergency Relief Fund (HEERF).
  
  These funds are estimated to be in the range of $500-$2,000 to each student, and intended to help offset educational and living costs. We are certain these resources will be important and helpful to UNM students.

  Eligibility will be based on the submission of a 2021-22 Free Application for Federal Student Aid (FAFSA) or the UNM State Aid Application. And funds will be prioritized for students with the greatest financial need.

  We encourage you to complete a 2021-22 Free Application for Federal Student Aid (FAFSA steps to apply) as soon as possible. Students who are concerned about filing a FAFSA or believe they might not be eligible to file one, can use the UNM State Aid Application as an option; no information from this form is shared with the federal government and it comes directly to UNM. And there is no cost to apply.

  **Recommended Next Steps**

  In the meantime, it is recommended you ensure that UNM has a current local address on file and/or set up direct deposit through the Bursar’s Office as soon as possible—funds
will be disbursed directly to the student via direct deposit (preferred) or by paper check to a street address.

We see that you haven’t registered for Fall 2021—there’s still time and we encourage you to [register] soon!

Questions? Live chat or appointments are available with UNM Financial Aid Office representatives at [finaid.unm.edu](http://finaid.unm.edu).

Respectfully,
Dan Garcia, Vice President of Enrollment Management

- **Dr. Frietze on the HSC Campus is looking for participants for one of her scientific studies**
  
  Be part of this IRB approved health research study at UNM’s North Campus. Must be a male over the age of 18, willing to answer an online survey, and donate two fials of blood. Please know there are questions about sexual activity. Participants will be compensated with an Amazon merchandise card upon the close of the study. Interested? Sign up here: [https://redcap.link/SMART](https://redcap.link/SMART)

- **Help the pack return safely to campus for the Fall 2021 semester**

  Late last week, The University of New Mexico rolled out the latest in our #VaxThePack campaign, offering incentives to all UNM students, and main and branch campus faculty and staff, who show proof of full vaccination. For students, we’ll deposit $100 directly into your account; for faculty and staff, you’ll automatically be entered in a drawing to win one of fifty $1,000 prizes.

  Whether you’re getting your vaccination next week, or received it months ago, doesn’t matter; simply [upload your documentation of full vaccination at the appropriate place on our website](http://www.unm.edu) and we’ll take care of the rest.

  We are highly encouraging all Lobos to get vaccinated, wherever they are. In New Mexico, anyone over the age of 16 is eligible to [register and to self-schedule an appointment to be vaccinated](http://www.unm.edu). If you are getting a two-dose vaccine, don’t forget the second shot – it is important.
COMMUNITY EVENTS/OPPORTUNITIES
Stay tuned for more.

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.

- **Chris Jackson Computer Science Education Scholarship** (Undergraduate)
  Details: Open to low-income women with children who are pursuing their first degree at any level. For example, applicant must be pursuing a first vocational degree/certificate; OR a first associate’s degree; OR a first bachelor’s degree; OR a first professional/master’s/doctoral degree.
  Application Deadline: August 1. [More info](#).

UNM EVENTS/NEWS

Listed in Chronological Order
(Repeat/Continuous opportunities are listed below Jobs/Research Opportunities/Scholarships)
Check back next semester for new information.

- **Agora Crisis Center Summer training**
  Starts on June 19th. Applicants can fill out the necessary forms on [agoracares.org]agoracares.org.
UNM EVENTS/NEWS

REPEAT/CONTINUOUS OPPORTUNITIES

- **El Centro’s remote services**
  M-F from 8 am – 5 pm. Email elcentro@unm.edu or call (505) 277-5020

- **FREE Remote Counseling**
  Focus on Trans/Queer issues. Available over the phone or computer.
  Contact the LGBTQ Resource Center at 505-277-LGBT (5428) or wrcservices1972@unm.edu or lgbtqrc@unm.edu

- **LGBTQ Resource Center Remote Services**
  Schedule an appointment with Frankie by emailing them at fiyero81@unm.edu. For other needs, email the LGBTQ Resource Center at lgbtqrc@unm.edu
The WRC has WEEKLY EVENTS!

TUESDAYS:
The WRC has SNAP Virtual Walk-in Hours! Get help filling out your SNAP Application EVERY TUESDAY from 12-2pm. E-mail women@unm.edu for an appointment time.

Need help applying for childcare assistance? The WRC has virtual walk-in hours Tuesdays 12pm-2pm to help you apply! Email women@unm.edu for an appointment!

Are you a survivor of sexual assault? Have you experienced a situation that feels bad or confusing? Do you feel like you don’t have anyone to talk to about your experience? Check out our Bilingual Anonymous ONLINE Chat for Survivors EVERY TUESDAY from 2pm-3pm! This chatroom allows folks to connect with others and advocates CONFIDENTIALLY, ANONYMOUSLY and ONLINE. You can access the chat at https://affiliate.rainn.org/helproom/casafortaleza
WEDNESDAYS:
The WRC holds a virtual Eating Disorder Support Group EVERY WEDNESDAY from 5pm-6:30pm!
Email women@unm.edu for the zoom link.

COMMUNITY EVENTS/OPPORTUNITIES

- Be part of CNM’s Photo Voltaic (PV) program!
  Did you know Central New Mexico Community College (CNM) has courses in solar electricity, or photovoltaics (PV)? Why take a course in photovoltaics (PV)? Solar is becoming mainstream in our society and is embraced in our state. Our state has an abundance of sunshine, over 350 days a year. There are many ways to pursue PV at CNM. A curious learner can take a single class in theory. A certificate of achievement in solar energy can be completed in a single term. Another certificate option is to do a combination of electrical and PV in 3 terms. A third option is to pursue an Associate’s Degree with a concentration in PV, which is part of a 5-semester program. This degree is recognized by the State of New Mexico as providing 2 of the 4-year experience requirement for the Journeyman Electrical License (JB98). Here in NM, we have an accessible and affordable way to train the up-and-coming PV workforce. Our hands-on classroom has all the necessary tools and components for learners to safely install systems. Students work in teams to get hands-on experience and become familiar with the parts used, with different types of systems, design, and installations. It is possible to achieve the basic understanding and skills in solar energy or PV in one term. The PV program will give the student an advantage in a competitive job environment. They will have the skills needed to be productive immediately and add value to any company they work with.
CNM's registration link is [https://www.cnm.edu/registration](https://www.cnm.edu/registration). PV classes are part of Electrical Trades. All classes have the prefix of ELTR and are located at the end of the list of classes in this category. Email Rodrigo Padilla at rpadilla101@cnm.edu if you have difficulty registering.

- **100% Carbon-Free Energy System: Can We Still Keep the Lights On?**  
  July 21 | NM SMART Grid Center Webinar  
  Dr. Leo Yazhou Jiang from Clarkson University will discuss U.S. energy infrastructure vulnerabilities revealed by the recent blackouts in both Texas and California. [Register Now!](#)

- **9th Annual Senator Michael Padilla Job Fair**  
  Wednesday, July 21, 2021, 10:00 AM - 2:00 PM  
  Harrison Middle School, 3912 Isleta SW, Albuquerque, Nm 87105  
  For job seekers, resumes not required but could be helpful. Dress to impress and bring paper and pencil.

- **CESOSS Acequia Walk & Talk series**  
  July 24, August 21, September 25, & October 20. Visit [https://cesoss.org](https://cesoss.org) for more information.  
  Join the walks to spend time sharing stories and issues related to the acequia and our community.  
  Distributed Energy Summit: Modernizing NM Energy  
  July 29-30 | SFCC & NM SMART Grid Center Event  
  A virtual summit hosted by Santa Fe Community College on New Mexico’s energy transition and a holistic view of challenges and opportunities. [Learn More & Register!](#)

---

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  
yadeeh@unm.edu  
505.277.9151

Stay informed through our app: succESS

ESS Webpage: [ess.unm.edu](http://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](http://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](#))