Weekly ESS Center Announcements
Week of December 7, 2021

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
    - STEM Celebration (Dec 10)
  - New Announcements
    - Introducing: Faculty Highlights with Dr. Daniel Banuti
    - ESS News: L. "Zyri" Wilds, 2021-2022 Raymond E. Plotkin Scholarship Recipient
    - ESS Snacks for Finals (8:30 am – 5 pm)
  - Next Week
    - Good luck with finals!
  - Coming Up
    - Join EPICS in the Spring 2022 semester
  - Reminders
    - Gearing up for the end of the semester? Our Tutors can help!
    - ESS Resource Page
  - Other ESS Center/SOE News and Info
- Job/Research Opportunities/Scholarships
  o 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)

**THIS WEEK:**

- STEM Celebration
  When: Friday, December 10. 3:30 - 5:30 PM.
  Where: Centennial Engineering Center - STAMM Room (1044) & classrooms
  More info:
  • HERE are some great questions you can ask to get a conversation started.
  • Have THESE Ice Breaker questions ready to help get the conversation flowing.
  • How to Go From Small talk to Meaningful Conversation...in a comfortable and natural way. Follow your curiosity. Think of dialog as exponential, break past the barrier of “boxes” within 3 layers deep. Don’t bounce from topic to topic, but dive deeper within a single topic. The topic of conversation does not matter, it should be focused on the process of the conversation. And, listen (intentionally)! Not just
to words, but actions. Reflect on what others share. And, with this, it is ok to stretch outside your comfort zone.

**RSVP** is preferred but not required via [ess.unm.edu/events](https://ess.unm.edu/events)...or our app ([success.unm.edu](https://success.unm.edu))

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**NEW ANNOUNCEMENTS:**

- **Introducing: Faculty Highlights.** See what our faculty study.  
  Read about other highlights on our [webpage dedicated to just this](https://ess.unm.edu/events).  
  This posting is for Dr. Daniel T. Banuti within the [Mechanical Engineering](https://www.unm.edu/eng/) Department.
Faculty Highlights:
Dr. Daniel T. Banuti

Mechanical Engineering

We all can see the difference between a liquid (e.g., in a glass of water) and gas (e.g., air above the water in the glass). But did you know that there are certain conditions at very high pressures where the difference between liquids and gases -- just disappears? And did you know that these conditions are routinely reached in rocket engines, Diesel engines, and jet engines? My research focuses on understanding these transitions, and on how we can model flows under these "supercritical" conditions in a computer simulation. What excites me is that, on the one hand, these are problems with very practical applications; on the other hand, this raises deep questions that go into physical/thermodynamic/molecular fundamentals: What even is a liquid? And how is it different from a gas?

- **ESS News: L. "Zyri" Wilds, 2021-2022 Raymond E. Plotkin Scholarship Recipient**
  Read about Zyri’s inspirational story on our [ESS News Page](https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEiNGQ5NC1hZjFmLTY0NjQ2ZjcxMwAQADkNRl%2FntiEMVDzItTk…)

- **Fuel your brain for finals!**
Next Week:

- Spring 2022 registration – Be part of EPICS @ UNM
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. Check out our website for more information. [goto.unm.edu/epics]goto.unm.edu/epics. And, feel free to email (epics@unm.edu) or call (505-277-9151) with any questions.

We are expanding the community service that is already a big part of the School of Engineering with the debut of EPICS@UNM

Engineering Projects in Community Service at UNM

EPICS@UNM brings together students and local communities through courses that solve real-world problems and help address human, community and environmental needs.

Although EPICS@UNM is a partnership between the Engineering Student Success Center and the Department of Electrical and Computer Engineering, we encourage any students, partners, and sponsor interested in helping the community from an Engineering and Computing angle to participate.

Additional details can be found at [goto.unm.edu/epics](https://goto.unm.edu/epics). Questions about the program can be sent to [epics@unm.edu](mailto:epics@unm.edu).

**Reminders:**

- **Gearing up for the end of the semester? Our Tutors can help!**
  Our tutors are here to help you succeed! Don’t wait until the last minute. Come visit them now, available both in-person and online, during regular business hours, but also nights and weekends!

  Need help in an engineering or computing foundational course (i.e. math, physics, chemistry) or field specific course that isn’t listed? Reach out to our tutoring coordinator, Doug Williams ([esshelp@unm.edu](mailto:esshelp@unm.edu)) to see if our tutors can still help you.
Check out their schedule on our website (https://ess.unm.edu/services/tutoring/index.html) or on our success app (https://success.unm.edu/tutoring/).

- 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:**

- **Join us for the School of Engineering Convocation (Graduation)**
  Saturday, December 18, 2 pm in the Kiva Auditorium – Albuquerque Convention Center
  https://graduation-engineering.unm.edu

- **Quick Takes from the Dean - Week of December 6, 2021**
  - Methane leak detection research could help reduce emissions
  - Regents’ Professor, Lecturer named in the School of Engineering
  - School of Engineering honors 2020 and 2021 distinguished alumni at event
  - UNM Directed Energy Center to hold kickoff event December 6
• SOE Student Council Green Chile Stew & STEM Bingo Night!!
This is a reminder that the SOE Student Council Green Chile Stew & STEM Bingo Night is on Thursday, December 9th from 5pm-6pm in the STAMM Room (CEC 1044)! We hope to see you there!

![Green Chile Stew & STEM Bingo](image)

**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](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](https://ess.unm.edu/programs/current-students/scholarships/internal.html)
  - External: [https://ess.unm.edu/programs/current-students/scholarships/external.html](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.
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.

UNM Events/News

- Participant Volunteers for Research Study
• **Spring 2022 (16 weeks) Intensive English Courses are coming!**

Intensive English courses support students to develop skills to succeed in a wide variety of academic studies or professional settings in English-speaking countries around the world.

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**Community Events/Opportunities**

*Check back next week*

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**Previous Announcements**

**Other opportunities and news for STEM students:**

https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLTY0MWEtNGQ5NC1hZjYmLTY0NjQ2ZjgwZjcxMwAQADkNRl2NktiEMVDzL8tTk… 10/14
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.

- **Ford Foundation Fellowships (predoc, dissertation, postdoc)**
  Intended to increase diversity in the nation's college and university faculties. STEM disciplines eligible.
  - Predoc Fellowship - $27K (for 3 years)
  - Dissertation Fellowship - $28K (1 year)
  - Postdoc Fellowships - $50K (1 year)
  **Deadlines: December 9 & 16**

- **Students who are looking for funds for the 2022-2023 school year...**

  P.E.O. (Philanthropic Educational Organization) is an organization with 6,000 chapters and 230,000 women members in the United States and Canada.

  The scholarships below are offered by the state of New Mexico's P.E.O. Chapter.

  These scholarships are for female residents of New Mexico, they are merit based and require full-time status at an accredited institution (like UNM). The application process begins with P.E.O chapter sponsorship. That sponsorship must be applied for before or during the month of September 2021. For information about chapter sponsorship, contact P.E.O. Chapter AD before or during September 2021 at: newmexicopeochapterad@yahoo.com.

  Apply for chapter sponsorship before the end of September 2021. Scholarship applications are due January 22, 2022. Scholarship recipients will be awarded for the 2022-2023 school year with funds made in 2 payments

  to the university at the beginning of each semester.

<table>
<thead>
<tr>
<th>Scholarships:</th>
<th>Delilah Williams Scholarship</th>
<th>New Mexico State Women’s Scholarship</th>
<th>Jean Boswell Foundation Scholarship</th>
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</thead>
<tbody>
<tr>
<td><strong>College Requirements:</strong></td>
<td>At Freshman or Sophomore level for the 2022-2023 academic year at a NM institution.</td>
<td>At Junior or Senior level for the 2022-2023 academic year at any four-year college.</td>
<td>At Junior or Senior level for the 2022-2023 academic year at any four-year college.</td>
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<td><strong>Judging Criteria:</strong></td>
<td>Scholastic ability, participation in school and community activities, potential to succeed.</td>
<td>Scholastic ability, participation in school and community activities, potential to succeed.</td>
<td>Scholastic ability, participation in school and community activities, potential to succeed.</td>
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<td><strong>Scholarship renewable:</strong></td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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<tr>
<td><strong>Amount of scholarship:</strong></td>
<td>A minimum of $2,600.</td>
<td>A minimum of $2,600.</td>
<td>A minimum of $2,600.</td>
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<tr>
<td><strong>Payment of scholarship:</strong></td>
<td>Paid directly to the institution in two equal installments, one each semester.</td>
<td>Paid directly to the institution in two equal installments, one each semester.</td>
<td>Paid directly to the institution in two equal installments, one each semester.</td>
</tr>
<tr>
<td><strong>Documents to apply:</strong></td>
<td>Application, Most recent official transcript,</td>
<td>Application, Most recent official transcript,</td>
<td>Application, Most recent official transcript, Letters of recommendation,</td>
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https://outlook.office.com/mail/inbox/id/AAQkADJiYjc0NTFmLY00ME1NGQ5NC1hZjFmLY00NjQ2ZjgwZcMwAQADkNRI%2FONkntiEMVDzL8Tk...
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<tr>
<td>Other qualifications: Must be admitted to the institution to apply.</td>
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<tr>
<td>Deadline: January 22</td>
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**Additional Loans and Scholarship Opportunities for Women:**

For more information about the Philanthropic Educational Organization for women and their scholarships/loans, please visit their website at https://www.peointernational.org and search under “P.E.O. Projects.” For questions on these scholarships or loans contact newmexicopeochapterad@yahoo.com.

- **Air Force Research Lab Scholars Program Summer 2022 Internships - Application Now Open!**
  Information webinar DON'T MISS! REGISTER TODAY! Join the Webinar November 17, 2021 12:00 p.m. CDT

  The application is now open for summer 2022

  Application deadline: January 10, 2022, midnight CST

  To find out more, go to https://aflrscholars.usra.edu

  Webinar information will also be available on the AFRL Scholars website at https://afrlscholars.usra.edu.

  If you have any questions, reach out to AFRL-Scholars@usra.edu

**UNM EVENTS/NEWS**

*Listed in Chronological Order*

(Repeat/Continuous opportunities are listed below Jobs/Research Opportunities/Scholarships)

Check back next semester for new information.

- **Don’t delay, complete your 2022-2023 FAFSA today!**
  UNM’s FAFSA filing priority date is January 5, 2022. A student’s FAFSA must be received and processed by the US Department of Education by this date to be eligible for priority funds.
  Completing the FAFSA is only half the job. In addition to meeting the FAFSA priority filing date, you must also submit all requested documents by February 1, 2022 to be considered for priority aid, like work study and certain grants.

**FAFSA Priority Funding Dates**

<table>
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<tr>
<th>Date</th>
<th>Description</th>
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<tr>
<td>January 5, 2022</td>
<td>UNM FAFSA priority filing date</td>
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<tr>
<td>February 1, 2022</td>
<td>Additional documentation deadline to be considered for priority funds</td>
</tr>
<tr>
<td>Late February</td>
<td>First 2022-2023 award notifications will be sent via email</td>
</tr>
</tbody>
</table>

*If you completed a 2022-2023 FAFSA in the last few days please allow for up to three business days for us to receive your application. Once your FAFSA is received, we will review it and request any additional documentation, if applicable.

**Helpful Hints**

- **UNM Library Events**
The libraries are offering a number of workshops this fall, including a How to Develop & Deliver Presentations, Coffee & Code, and Zotero. All workshops are free & open to the UNM community, no experience required, registration is recommended. Event info is linked below & available on the library website.

-- Coffee & Code: Learn quick introductions to data science tools & technologies


- **Reimagine Student Affairs**

  ![Reimagine Student Affairs](image)

- **Donation Drive**

  ![Donation Drive](image)

- **Late Night Breakfast**
COMMUNITY EVENTS/OPPORTUNITIES

- **Boomerang New Mexico Virtual Career Fair**
  December 9, 2021
  Biotech, Space, Engineering, Technology
  Register [HERE](#).

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](#)
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](#))