**UNM ENGINEERING STUDENT SUCCESS CENTER**

# Programs and Services – Summary

## Co-Curricular Experiences

- **ESS Stand-Alone Events.**
  https://ess.unm.edu/events/index.html
  *(For each event a student attends and provides feedback for, their name is entered into a drawing for a scholarship to the bookstore each semester. The more you engage, the better the chance of winning!)*

  ESS Center collaborates with various offices and departments across UNM, as well as community partners in the STEM industry to provide workshops, events, or skills that help build engineering student self-efficacy, preparedness, and success. We believe in supporting student success and retention through a holistic approach to their educational experience. The goal is to better assist students in preparation for their future careers. Events are listed as they are confirmed.

  - o **Stay connected with these events** *(in addition to the website)* **through our app: succESS** (success.unm.edu). This functions as an app if added as a shortcut to a mobile device. Events appear 1 month before the event date.

- **ACED.**
  https://ess.unm.edu/events/aced-unm/index.html
  *(This opportunity is recommended for graduating Seniors or Graduate Students. Juniors and non-graduating Seniors are welcome to join.)*

  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.

  These stand-alone events are listed and announced along with our other stand-alone events.

- **ESS Outreach Initiatives**
  https://ess.unm.edu/events/ess-outreach-initiatives.html

## Academic Support

- **ESS tutors**.
  https://ess.unm.edu/services/tutoring/index.html
  *(Spring/Fall)*

  Each semester, ESS hires undergraduate seniors and graduate students within each engineering discipline to provide tutoring for each subject. Schedules are posted at

the beginning of the semester and include days, times and locations of every tutoring session (including daytime, nights, and weekends!). Supported courses usually include the core STEM courses, as well as SoE specific courses, programing languages, and software.

**You can meet our tutors here:** https://ess.unm.edu/services/tutoring/meet-our-tutors.html

## Scholarships:
- **External Scholarships.** https://ess.unm.edu/programs/current-students/scholarships/external.html
  These are NOT controlled, but only listed, but ESS.

- **Internal SOE Scholarships**. https://ess.unm.edu/programs/current-students/scholarships/internal.html
  Managed by ESS/SoE.

## Mentoring Programs/Opportunities:
https://ess.unm.edu/programs/current-students/mentoring-programs/index.html
*In addition to the programs below, make sure to check out our co-curricular experiences to help develop your marketability for your future.*

- **Peer-Mentoring Program**.
  https://ess.unm.edu/programs/current-students/mentoring-programs/peer-mentoring/index.html
  *(Spring/Fall, but engagement can continue as the peer-mentor decides. Looking for SoE students (incl. Grad) with at least 2 semesters within the SoE at UNM to be peer-mentors to new (incoming freshmen, transfer, or re-admit) students.)*

  The aims of the Cherry & Sliver Peer Mentoring Program are to assist our incoming students in their transition into the University of New Mexico, the university setting, Albuquerque, and anything else that comes along with being an undergraduate with the rigorous programs within the School of Engineering at UNM.

  - **Peer Mentor advice.** We asked our peer-mentors what is the most important piece of advice they want to share with incoming Engineering and Computer Science students.

- **STEM Mentoring Program**.
  https://ess.unm.edu/programs/current-students/mentoring-programs/stem-mentoring-program/index.html
  *(Spring/Fall, but engagement can continue into the summer, as best fits the match. Looking for STEM Professionals to be mentors - generally not faculty).*

  Students (priority given to Freshmen and Sophomores, all "hard" STEM majors are welcome) are paired with STEM Professionals (most mentors are within Engineering

& Computing fields) who mentor the students with whatever the student goals are - an informal relationship to help with career navigation and know what the working world is like. We ask for a 1 hour a week face to face commitment, one semester at a time. There are no citizenship or GPA requirements.

- o **STEM Mentor advice.** We asked our mentors: What is something you learned in undergrad that you want to share with the students?

## Research Programs:
*https://goto.unm.edu/research*
*In addition to the programs below, make sure to check out our co-curricular experiences to help develop your marketability for your future.*

*Getting involved with research as an undergraduate is one of the more beneficial experiences for your satisfaction with your undergraduate experience. Additionally, employers seek students who are career ready, and research is one of those 5 essential skills (https://unm5.unm.edu/) that contribute to your long-term career benefits.*

- **EPICS @ UNM**
  https://ess.unm.edu/programs/current-students/research-programs/epics-unm/index.html

  *(Spring/Fall. Looking for Community Partners and Sponsors; students can work in teams or individuals; We are working on expanding this program for direct credit within each department, and are in the process of creating ENG course associated with each engagement option. Faculty act as support for students as most of their engagements are with the community partners, but enroll in a course with a faculty member).*

  Engineering Projects in Community Service. Open for students who are admitted to their major (generally Juniors and Seniors) within all Engineering and Computing fields. Students engage for credit (3 credits/semester) with a commitment of 9 - 10 hours per week for either 1 or 2 semesters. The primary engagement is between the student and the community partner, with support from SoE faculty as needed. Students are encouraged to reach out to their advisor before enrolling to understand how this engagement will contribute to their degree progression.

- **Student Research Experience Program.**
  https://ess.unm.edu/programs/current-students/research-programs/student-research-experience.html

  *(Spring/Fall matches, but engagement can continue into the summer, as best fits the match. These opportunities are highly dependent on UNM based research opportunities. Looking for 1-on-1 engagement opportunities with UNM based research opportunities (with faculty, post-docs, or graduate students) open to our Engineering and Computing Students.*

Priority given to Freshmen and Sophomores in the School of Engineering, but open to all SoE students. There are no citizenship or GPA requirements, but all interested students are required to attend a 1-hour orientation session. We act as the conduit between the student and the research possibility. Based on the needs of both the research opportunity and the student, these vary from volunteer, volunteer with the potential of being paid, or unpaid, with the number of hours are flexible.

## Internship Programs/Job Training

https://ess.unm.edu/programs/current-students/internships-jobs/school-of-engineering-sponsored-programs/index.html

*In addition to the programs below, make sure to check out our co-curricular experiences to help develop your marketability for your future.*

*Getting real-world job experiences before graduating is one of the more beneficial experiences for your satisfaction with your undergraduate experience. Additionally, employers seek students who are career ready (https://unm5.unm.edu/).*

- **State Private Sector Program (SPSP) Internship Opportunity**.
  https://ess.unm.edu/programs/current-students/internships-jobs/school-of-engineering-sponsored-programs/spsp-internship-program.html
  *\*\*Note: participation in this opportunity necessitates participation in the SoE Co-Op Program (see below).\*\**

  *(Spring/Fall. Looking for regionally local companies to offer the internships.)*

  The SPSP internship program, a state funded program, allows UNM to pay 2/3 of the student intern's stipend. These are 12-week 12-15 hours per week, internships. This opportunity gives students practical on-site job training and are available to UNM's SoE Juniors and above (including graduate students) with a minimum 3.0 GPA and are in good standing in their department. US Citizenship is required.

- **SOE Career Development (CD) Internship Program**.
  https://ess.unm.edu/programs/current-students/internships-jobs/school-of-engineering-sponsored-programs/soe-cd-internship-program.html
  *\*\*Note: participation in this opportunity necessitates participation in the SoE Co-Op Program (see below).\*\**

  *(Spring/Summer/Fall. Looking for regionally local companies to offer the internships.)*

  An internally funded program that allows UNM to pay 50% of the student intern's stipend. These are 8-week, 15–20 hours per week internships.  They provide student interns practical on-site job training and are available to SoE Sophomores and above (including graduate students) who are in good standing in their department. There are no citizenship requirements (*international students – see additional information below*).

- **Additional Information**
  - *SoE Co-Op Program.*
    The Cooperative education is a college program that integrates classroom studies with paid, productive, real-life work experience in a degree related field. The SPSP internship program and the SOE CD internship program require that the participating student complete a co-op form. The co-op program requires the student participating in the internship program to enroll in a co-op course. The UNM co-op program provides students with the opportunity to have their experience reflected on their transcript but will not impact the student's GPA.

  - *International Students*
    All international engineering and computing students, wishing to participate in a paid internship program (SOE CD internship program) must comply with UNM and GEO procedures. International students need to complete a co-op form (*OPC or CPT) and obtain the required signatures from career services, GEO, including the signature of the SoE Associate Dean, Dr. Charles Fleddermann giving them permission to participate.
    "Curricular practical training" or "CPT" is employment that is an integral or important part of your curriculum, including: alternate work/study, internship, cooperative education, or any other type of required employment, internship or practicum. To be considered curricular practical training, the work must be related to your major field of study and must also be an integral part of your studies. Training which is REQUIRED by your degree program always meets the requirements for curricular practical training, regardless of whether or not you receive academic credit for your work.

  - **Resume & Cover letter Help**
    Engineering and computing students who need help in creating or updating their resumes and cover letters can contact Nada Abdelhack (esscareers@unm.edu) who can provide guidelines, feedback and suggestions.

## External Internship & Job Opportunities

https://ess.unm.edu/programs/current-students/internships-jobs/external-internship-job-opportunities/index.html

Students can visit our Internship & Job webpage to learn about additional internship and job opportunities which students can apply to on their own. Also listed are opportunities for students at government labs and agencies, such as Sandia National Labs (SNL), Los Alamos National Labs (LANL), and Air Force National Labs (AFRL), and the Central Intelligence Agency (CIA), etc.

- **Resume & Cover letter Help**
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## Grant Funded Programs
https://ess.unm.edu/programs/current-students/grant-funded-programs.html
1) **ESS Grant Programs (that include the grants we run)**
    a. NSF S-STEM
    b. NA-STEM
2) **ESS Partner programs (which are grants we support but are not the lead on)**


## Graduate School
https://ess.unm.edu/programs/current-students/graduate-school.html
- The Graduate School Process
- UNM SoE Graduate School
- UNM Graduate Studies
- Graduate Resource Center Information
- Job and Internship Opportunities
- Funding Opportunities


## Additional Services:
- **Weekly ESS Email**
  Join our listserv to receive our weekly STEM Announcements email (sign up for the UNM_STEM-L listserv HERE or by following THESE instructions). We only send 1 email a week. It is packed with not only our upcoming events and opportunities, but information about jobs, scholarships, and both campus and community events. You can see our most recent email HERE.

- **Room & Equipment Reservations.** https://ess.unm.edu/services/room-reservations/index.html

- **At ESS, we also offer** (https://ess.unm.edu/services/other-services.html):
  o Free Printing for undergraduate students in SOE
  o Computer Lab Accessible 24/7
  o Study area in ESS accessible 24/7 and additional study rooms during business hours
  o Support to **Student Organizations** with activities or conference travel. https://ess.unm.edu/programs/current-students/student-organizations/index.html
  o Referrals to other services/resources on campus
  o Engineering Advisement: Advisement manager in ESS area
  o Connect with your School of Engineering Academic Advisor
  o Sandia Alliance: Sandia rep in ESS every Thursday.
  o Highlight agency and company student recruitment through booths and information sessions, as well as on site job interviews during certain events.


- **Also listed on the ESS Website (**https://ess.unm.edu/index.html**):**
  o **SoE/ESS/Department Services & Opportunity summary document**
  o **Link to the SoE Advisor page**

- Future Student Information. ess.unm.edu/programs/future-students
  - **Tours for the School of Engineering.** https://ess.unm.edu/programs/future-students/soetours.html
  - **Incoming Student Summer Bridge Program: Engineering Your Bridge to Success.** https://ess.unm.edu/programs/future-students/incoming-student-summer-bridge-program.html
- **K-12 Opportunities:**
  - **ESS Summer Programs.** https://ess.unm.edu/programs/k-12-opportunities/ess-summer-programs/index.html
  - **Research Laboratory Internships for High School Students.** https://ess.unm.edu/programs/k-12-opportunities/high-school.html
  - **STEAM Events.** https://ess.unm.edu/programs/k-12-opportunities/steam-events.html

## Resources Webpage
https://ess.unm.edu/resources
- General information
  - General Info
  - ESS Documents and support
  - Use our succESS app
  - Our Social Media Info
  - Having Professional Conversations
  - Parking and transportation
- Academic support
  - ESS presentation: Good vs Bad Poster & Oral Presentations
  - Departmental seminar info
  - UNM Computing - Academic Technologies
  - Learning & Studying Techniques
  - Math Resources
  - Study Groups
  - Words of Wisdom: Professor/Advisement
  - Words of Wisdom: Academics
  - Words of Wisdom: Academic Timeline
- Getting started with research
  - ESS presentation: How to Get Into a Research Lab
  - Additional tips from ESS on how to get started with Research
  - Words of Wisdom: why didn't anyone tell me about this?
- Career/professional development
  - ESS presentations
    - Resume Writing Tips
    - Career Pathways in Engineering & Computer Science
  - Career Options and Information
  - Job and Graduate School Application Info
  - Words of Wisdom: Career Pathways
  - Words of Wisdom: Skill Acquisition
- Diversity & Inclusion
  - Equity & Sexual Harassment

- o Dream Zone Toolkit

- Support with your STEM degree
  - o How do I start my STEM Pathway?
  - o What can I do while still earning my STEM degree?
  - o What can I do after I graduate with my STEM degree?
  - o Words of Wisdom: Inspiration/Knowledge
- Mental Health
  - o Feeling Overwhelmed?
  - o Words of Wisdom: Life, Socializing, and Working with Others
  - o Words of Wisdom: College Culture Shock
  - o Adjusting to Undergraduate Life at UNM
- Goal setting & personal development
  - o ESS Documents & Presentation: SMART Goals
  - o Who can I talk to for more information, or to help me get through this challenging goal?
  - o How do I start my STEM Pathway?
  - o Feeling Overwhelmed?
  - o Time Management
  - o Critical Thinking and Metacognition
  - o Situational Framing
- STEM Gateway blog series
  - o STEM Career Profiles
  - o Student Survivors
  - o Faculty Learning Strategies
  - o Two sides of the same coin: Mentor-Mentee relationships
- Forms and Documents
- COVID-19 Resources