

TIMESTEP

UA Resources to Succeed in Astronomy & Physics

There are a wealth of resources at the U of A to help you succeed as an astronomy or physics major. These slides show many of the most relevant supports for these majors.

TIMESTEP meetings

<https://timestep.arizona.edu/>



Wednesdays, 5:00 - 6:30 pm in Steward or PAS

Introductory workshops:

- Navigating the Astronomy and Physics Majors
- Preparing for Research & Grad School

Graduate School Series:

- Graduate Student Panel
- Overview of Graduate School Application process
- Graduate School Application Workshops

Research Series:

- Undergraduate Research Student Panel
- Undergraduate Research Application Workshops
- What It Takes To Publish a Paper

Spring semester- focus is on resume writing, industry internships, and post-grad plans

TIMESTEP Apprenticeship Program

- Paid experience, August 2025 - May 2026
- A skills-based apprenticeship for U of A students majoring in astronomy and/or physics
- Allows you to build technical and professional skills in a research environment
- Prepares you to be competitive for research programs (ex. NASA Space Grant Fellowship, UROC, REUs, etc.) and/or a paid position in TIMESTEP's Summer Tech Internship Program with a local employer



Student Kian Milani inspecting the vacuum space simulation chamber in the basement of Steward Observatory. Photo credit: Lori Harrison

2025 TIMESTEP Summer Tech Internship



- Make an informed decision about whether to apply to graduate school or pursue a career in industry.
- Get experience to strengthen BOTH your graduate school application and resumé for industry.
- Make connections to land a job after graduation. Many of our past interns continue employment with their internship companies after graduation.
- Getting into graduate school is increasingly competitive (UArizona Astronomy had 321 applications in 2022 with a 6% acceptance rate). Set yourself up for multiple career paths through this internship!

“Without the TIMESTEP Internship, I am not sure if I would have any experience outside of the classroom before applying to industry. I couldn't afford to take an unpaid internship. TIMESTEP gave me the opportunity of a lifetime.”

– 2019 Student intern

“TIMESTEP helped launch my career! With every program I have applied to I have been told my resume/cv was very competitive”

– 2020 Intern

“The TIMESTEP Internship has been crucial in my job search. It has been the main talking point for me in job interviews when it comes to industry experience.”

– 2019 Intern

TIMESTEP Leaders

TIMESTEP Leaders are a group of dedicated astronomy and physics undergraduate student volunteers who serve as peer mentors by leading meetings/discussions, and working on special projects, while facilitating a positive community that values diversity.

Benefits:

- Gaining skills in mentoring and supporting peers and more junior students
- An opportunity to provide feedback to improve the experience of students in astronomy and physics at U of A
- Exposure via the website to document your leadership
- A leadership role to add to your CV
- Be part of an excellent community!

TIMESTEP Leaders, 2023-24



Ansh Gupta
Astronomy/Physics



Christian Martinez
Astronomy



Gabe Weible
Astronomy/Physics



Nikhil Garuda
Astronomy/Physics/
Statistics & Data Science



Sarah Stamer
Astronomy/Physics



Tintin Nguyen
Astronomy/Physics/
Applied Math

Interested? Email us at timestep@arizona.edu

Online resources to support intro physics, astro, and math classes:



Compiled by Drishikaa Thimmaiah.

[Link here](#)



Undergraduate Research Ambassadors

We are here to help you learn **WHAT** research experiences are available and **HOW** to get involved!



Undergraduate
Research & Inquiry
Collaborative

How to learn **WHAT** is available:



Undergraduate Research website – ur.arizona.edu

- "The everything repository"
- Research programs, events, classes, on-campus, off-campus, summer, academic year, etc.
- The Arizona Researchers Database (under the "Find Research" menu): ur.arizona.edu/find/search-ua-researchers



Handshake

- Jobs, internships, workshops and events that are **open now!**
- Use the "**undergraduate research**" label to filter results



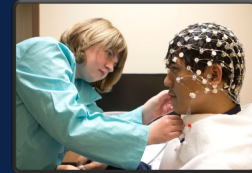
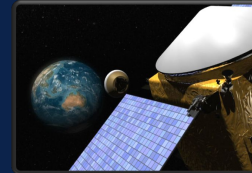
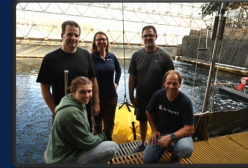
URA Weekly Newsletter

Weekly email updates on programs, events, resources, and application cycles



URA Instagram Account [@uazugresearch](https://www.instagram.com/uazugresearch)

- Updated multiple times per week – follow us to stay informed!



Undergraduate Research Ambassadors

Helping you with how to get there!

One-on-one help for meeting your research goals

- Sign up for a 1:1 meeting with an URA (through Handshake)
- Visit a URA during drop-in hours, M-F, 2-3pm, Bear Down 306
- Come by Lifelab M-F, 12-5pm, Bear Down 264
- Email questions to undergradresearch@arizona.edu

Customized presentations and workshops

- Invite us to present to your class or club! See a list of customizable workshop topics here: <https://ur.arizona.edu/workshops>

Online resources at your fingertips: career.arizona.edu

- Visit <https://career.arizona.edu/channels/research-experiences/> for tips on communicating with research mentors, applying for programs, and more!

ur.arizona.edu



Handshake



Instagram



UR News



career.arizona.edu



Undergraduate
Research & Inquiry
Collaborative

ASTRONOMY CLUB

- ★ Fridays at 4pm, Steward N210
 - Astro News, Student Research Presentations, Astrophotography, etc.
- ★ Events
 - Movie nights, Star Parties on Mt. Lemmon + Sabino Canyon, Outreach, Game Nights, and Arts + Crafts!
- ★ Join our mailing list
 - uaastroclub@gmail.com



SIGN UP:

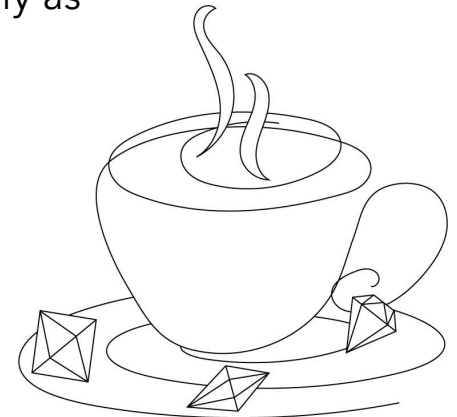


GEMS - Gender Minorities at Steward

GEMS provides social opportunities and career advice/support to gender minorities in an effort to support the participation of gender minorities in astronomy and build lasting relationships.

We welcome **people of all genders** who are interested in improving gender equality in the field of astronomy, and particularly encourage those who identify as gender minorities (e.g. transgender, non-binary, or female) to join us.

Website: <https://www.as.arizona.edu/gems-group>
Current organizer: Lily Whitler (lwhitler@arizona.edu)



Physics Club

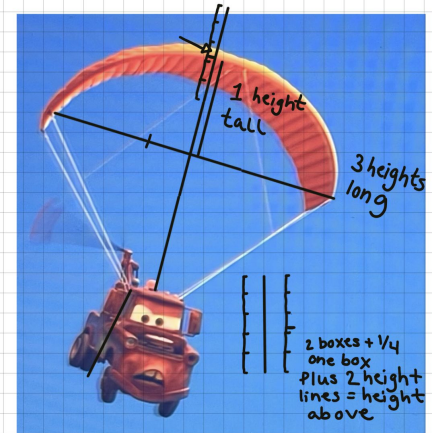
Mondays 5-6pm PAS 201

Email: uaphysicsclub@gmail.com

- ⇒ Fun Presentations
- ⇒ This Week In Physics
- ⇒ Demos!!
- ⇒ Professor Talks
- ⇒ Game Nights
- ⇒ Trips



Photons preparing to be observed



ATOMM – FREE HELP SESSIONS!!!

Astronomy Tutoring Offered for Majors and Minors

Need help with your homework or getting ready for Quizzes and Exams? Use your time efficiently by studying with Steward Graduate Teaching Assistants who are available to help you.

ATOMM offers *FREE HELP SESSION* for Astronomy students in ASTR 170H, 250, 300A and 300B (and potentially other astro and physics courses).

When & Where (Fall 2024) :

Tuesday: 2:00pm – 3:30pm in the Parker Library

Wednesday: 2:00pm – 3:00pm in the Parker Library

Thursday – 2:00pm – 4:30pm in the Parker Library

Physics Consultation Room

Physics Department Consultation Room Schedule - Fall 2024

PAS 372

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-10:00	Nikos Giannopoulos	Colin England	Wyatt Wallis	Mohammad Hamshari	Aldiyar Kuntubek
10:00-11:00	Emily Pavasars	Summer Carver	Aalekhya Saha	Xingzhou Yu	Qiaozi Cheng
11:00-12:00	Edoardo Fiesoli	Jose Daniel Castro	Marco Antonio Jimenez Valencia	Harry Mayrhofer	Wolfgang Vallazza-Margl
12:00-1:00	Allison Colarelli	Tanner Saadi	Shelbi Foster	Rafi Chesler	Yazhini Pottramarai
1:00-2:00	Parth Kumar	Will Price	Ethan Lee	Chloe Marzano	Jon Gomprecht
2:00-3:00	Bryan Helz	Zhaoqi Du	Min Guo	Tyler Krasnigor	Ken Luu
3:00-4:00	Yirou Xu	Sebastian Sage	Dwithi Pillai	Aamir Quraishy	Jonah Barber
4:00-5:00	Mark Vincent Guevarra	Zachariah Eberle	Anand Hari Natarajan	Carson Beyers	Colloquium

Please write your full name legibly in one box. Two names may not be written in the same time slot. If you would like to swap times with someone, you must contact them and come to an agreement and then both communicate with Katie Butcher (Undergraduate Coordinator - kbutcher@arizona.edu) to provide proof of the agreement.

Updated 8.29.24

TUTORING CENTER HOURS

**Need a little bit of extra help on your assignment?
Having trouble remembering prior knowledge? Stop
by the CS Tutoring Center (GS 914) and one of our
tutors can help you.**

Mon-Thurs: 11am- 6pm

Fri: 11am-4pm



THE UNIVERSITY OF ARIZONA



THINK TANK

ACADEMIC SUPPORT SERVICES

thinktank.arizona.edu •    @uazthinktank



ABOUT THINK TANK

THINK TANK is your go-to destination for academic support at the University of Arizona. We offer a variety of services in math, writing, science, business, language, and academic skills.

And most of our services are **free!**

Our services include the following:

- Content Tutoring
- Writing Center
- Supplemental Instruction
- Math Exam Prep
- Academic Skills
- Academic Coaching
- Test Prep Courses

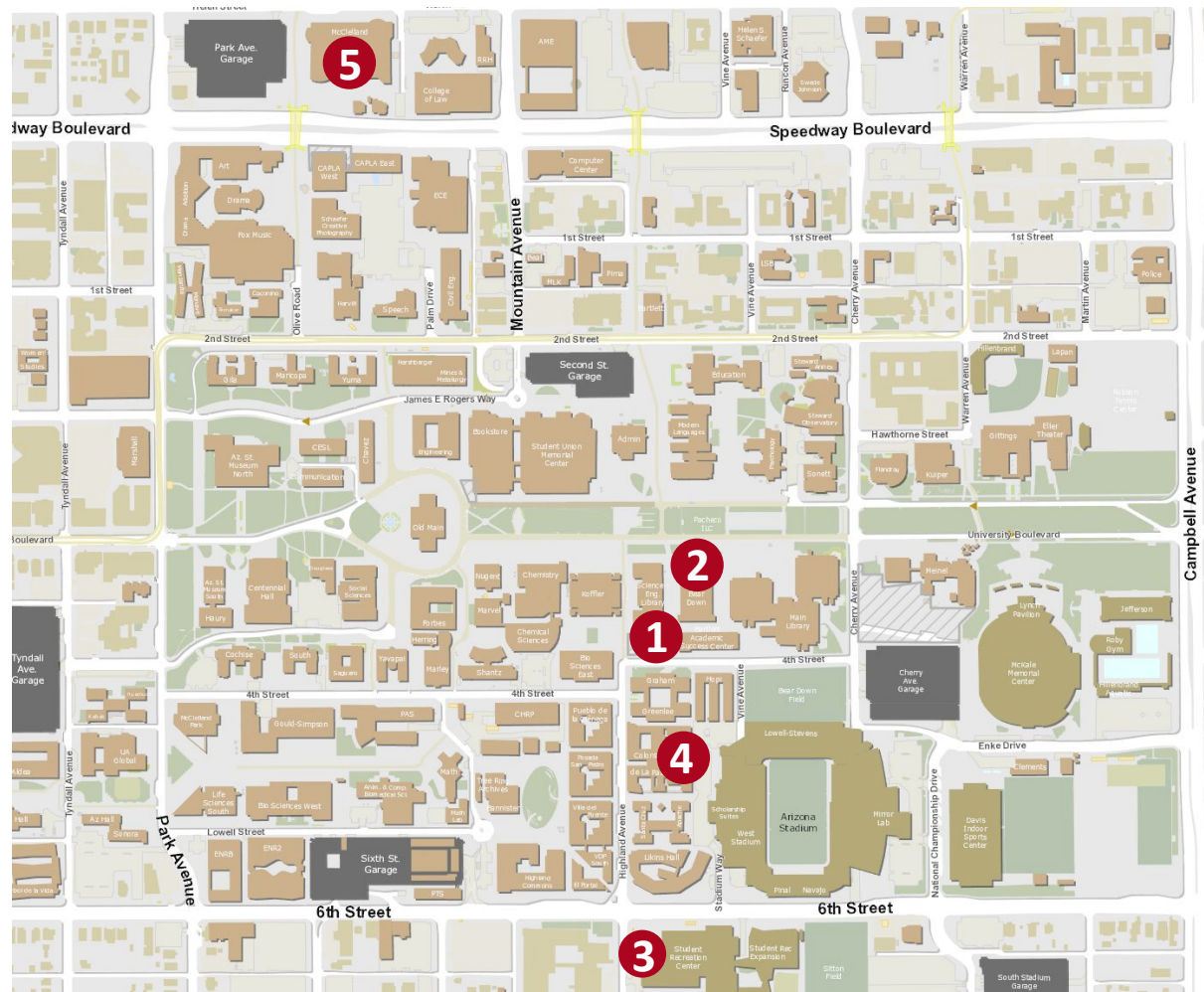
Learn more at thinktank.arizona.edu

WHERE IS THINK TANK?

You can find our services online and on campus:

1. Bartlett Academic Success Center (BASC)
2. Bear Down Building
3. Campus Rec (South)
4. La Paz Residence Hall
5. McClelland Hall

Bookmark it: map.arizona.edu





The Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) is a student club dedicated to creating an inclusive space for students from populations that were historically excluded from the STEM fields. The club's mission is to provide a supportive community and help students reach their career and life goals while enacting change!

NATIONAL DIVERSITY IN STEM CONFERENCE

October 26 – 28, 2023 in Portland, Oregon



@uasacnas

sacnas.uarizona@gmail.com

mbogan@arizona.edu



- Academic and professional support on and off campus
- Service and outreach in southern AZ (e.g., K-12 schools)
- Building a supportive community to help one another
- Join our monthly meetings, email listserve, or IG to learn more!

ABOUT OSTEM

- Meet every Tuesday at 6:30 pm in the LGBTQ+ Center (located on the fourth floor of the student union)
- Very casual with no requirements for membership, participate as little or as much as you would like!
- Both professional (interview prep, panels, etc) and social (painting, movie nights, etc) meetings

UPCOMING EVENTS

WELCOME BACK
GAME NIGHT

SEP
3

6:30-7:30
LGBTQ CENTER

OUTDOOR
POTLUCK
PICNIC

SEP
10

6:30-7:30
EDUCATION BLDG.
COURTYARD

BACK-TO-
SCHOOL
RESOURCES

SEP
17

6:30-7:30
LGBTQ CENTER

CLUB COLLAB!
(TBA)

SEP
24

6:30-7:30
LGBTQ CENTER



SCAN ME

Instagram



SCAN ME

Discord Server

WISE Programming:

- Mentorship Program
- Community Events
- Launching Your Career Symposium
- Bio/Diversity Project
- Imagine Your STEM Future



COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

Women in Science
& Engineering

APPLICATIONS OPEN FOR WOMEN IN STEM MENTORSHIP PROGRAM



MENTEE REQUIREMENTS:

- Orientation
September 26th
- Attend 4
mentorship
program events
- Monthly 1-Hour
Mentee Meetings
from Oct-Apr

The Women in Science and Engineering (WISE) Mentorship Program pairs UArizona STEM students with local STEM professionals and faculty for year long, one on one mentoring relationships to provide career, academic, and field specific support. Professional development workshops & certificate provided.

APPLY TODAY!



DUE: SEPT 15TH
bit.ly/wmentee24

MORE INFORMATION AVAILABLE HERE

QUESTIONS? CONTACT GABY PEREZ,
GPerezLaurent@arizona.edu



COLLEGE OF SOCIAL & BEHAVIORAL SCIENCES

Women in Science
& Engineering

CATALYST STUDIOS

MON - THU

11AM
- 8PM

FRI

11AM
- 6PM

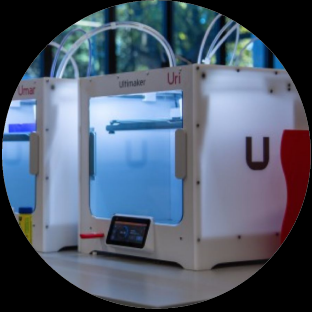
SUN

1PM
- 6PM

LET'S
CREATE!

OPEN TO
THE
PUBLIC

What's in the makerspace?



**3D printers (filament
& resin)**



**Sewing & embroidery
machines**



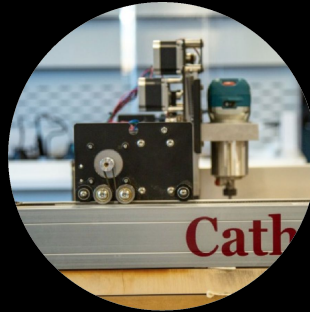
Virtual Reality



Vinyl cutters



Laser cutters



CnC machines

And more!

- Podcasting room
- Green screen room
- Data visualization room
- Crafting cabinet
- Electronics prototyping cabinet

How can you get involved?

- Workshops & events
- Certifications
- Room reservations
- Internships
 - New cohort of interns every semester
 - Apply on Handshake
- Work on your own projects!
 - Students have \$50/semester in credit

Visit our website to register for certifications & make room reservations!

lib.arizona.edu/catalyst

Embroidery Certification In-Person

Computerized Embroidery Certification This small-group, beginner-friendly certification will teach you the basics of computerized embroidery, in which a machine automatically creates embroidery based... [More](#)

Date:

Wednesday, September 6, 2023 [Show more dates](#)

Time:

3:00pm - 5:00pm

Location:

CATalyst Studios - Maker Studio, CATalyst Studios

Categories:

CATalyst Workshops

Registration Type:

In-Person Registration

[REGISTER!](#)

Laser Cutting Certification In-Person

This small-group workshop covers the basics of laser cutting and file setup using Adobe Illustrator. You will learn basic cutting and engraving techniques, as well as proper machine use and safety.... [More](#)

Date:

Thursday, September 7, 2023 [Show more dates](#)

Data Science at UArizona

University Libraries

<https://data.library.arizona.edu>

- Visualization
- Data analysis & management
- *Pipelines* newsletter

Data Science Institute

<https://datascience.arizona.edu>

- Machine learning
- Cloud native computing
- *The Data Drip* newsletter

Tuesday mornings at the Main Library



Other UA Student Centers

- Women and Gender Resource Center
- LGBTQ+ Affairs
- The Adalberto and Ana Guerrero Student Center
- AASA- African American Student Affairs
- NASA- Native American Student Affairs
- APASA- Asian Pacific American Student Affairs