Applicant Information

Q1. First Name

Q2. Last Name

Q3. Pronouns used

- ○ she/her
- ○ he/him
- ○ they/them
- ○ Other

Q4. UofA Email Address

Q5. Mobile phone # (include area code)

Q6. UArizona Student ID #

Q7. Your major(s)

Q8. Your minor(s)

Q9. Projected graduation date

- ○ May 2029
- ○ December 2029
- ○ Other

Q10. Demographic Information (can choose more than one)

- ☐ American Indian or Alaskan Native
- ☐ Asian
- ☐ Black or African American
- ☐ Hispanic or Latinx
- ☐ Native Hawaiian or Pacific Islander
- ☐ White
- ☐ Prefer to self describe

Q11. Have you served in the United States Military Service?

- ○ Yes
- ○ No

Q12. What is your citizenship status?
(Note: Citizenship is not required for the program. This information is only used to determine eligibility for specific research projects).

- ○ U.S. citizen
- ○ Permanent resident (Green Card holder)
- ○ International student on F1 Visa
- ○ Other

Q13. Are you a PELL grant recipient?

- ○ Yes
- ○ No

Q14. Are you eligible for Federal Work Study?

- ○ Yes
- ○ No
- ○ I don't know

Q15. Are you a first generation college student?

- ○ Yes
- ○ No

Q16. There are some prerequisites to be eligible for this program. Please enter the semester (Fall 2025, Spring 2026) you completed each of the following. If you have credit from outside U of A (AP or high school credit, community college, etc.), or you will take the course in Summer 2026, please indicate this.

- [ ] Python Computer Programming (CSC 110 or equivalent)
- [ ] Calculus I (MATH 122B or 125)
- [ ] Calculus II (MATH 129)
- [ ] Accelerated Introductory Mechanics (PHYS 161H)

Q17. Which methods of research interest you? Drag these choices to rank them in order of the one you're most interested in (#1) to least (#3). We will take your choices into account when making assignments, but cannot guarantee your top choice. Note that all projects will require some coding.

Computational Methods (developing or using code/algorithms, using high performance computing)

Instrumentation (working in a lab that build instruments for scientific observations and exploration, developing or testing hardware)

Observational Methods (using or obtaining data from telescopes)

Q18. What areas of research interest you (you can select more than one)?

- [ ] Galaxies (formation, evolution, classification)
- [ ] Black holes (stellar mass and super massive)
- [ ] Stars (stellar evolution, star formation, supernovae models)
- [ ] Transients (short duration events like tidal disruption events, gamma-ray bursts, supernovae, etc.)
- [ ] Solar/Heliophysics (solar cosmic rays, solar wind)
- [ ] Cosmology (how the universe forms and evolves)
- [ ] Planetary sciences (physical, chemical, and geological processes shaping planets, moons, and small bodies like asteroids)
- [ ] Exoplanets (detection, formation, atmosphere composition, habitable planets, planetary systems)

Q19. Full Time Student- I confirm that I will be a full-time UAizona student during the Fall 2026 and Spring 2027 semesters. Initial below.

Q20. If selected, you would be hired as a student researcher. Verify that you can commit to working 10 hours per week by initialing below.

NOTE: A student worker may work up to 25 hours per week during the Fall and Spring Semesters.

International Students: J-1 or F-1 international students may work a total of up to 20 hours per week during the Fall and Spring Semesters without written permission from International Student Services.

In the event a student worker holds more than one student worker position, the total hours worked per week in all jobs are subject to the maximum work hours set forth above.

Q21. Weekly TIMESTEP Apprenticeship meetings will occur every Friday 2:00 - 3:30 pm. If you are selected, you will be expected to attend this meeting regularly, just as you would any of your classes. Please initial below to acknowledge that you understand this requirement.

Q22. In the fall of 2026, Dr. Besla will be teaching a new 2 credit elective astronomy course for majors, ASTR 276, which will teach basic skills for research. ASTR 276 will be required as a corequisite for participation in the Research Apprenticeship. If you are selected for the Research Apprenticeship, you will need to register for ASTR 276 for the fall 2026 semester. It is scheduled for Mondays and Wednesdays at 9-10 am. Please initial below to acknowledge that you understand this requirement.

Q23. Have you previously been hired as a student worker for an on-campus job or are you currently employed as a student worker on campus? This helps us determine how to proceed with the hiring paperwork should you be chosen for the program.

- ○ Yes
- ○ No

Q24. If yes to the previous question, please list the job position(s) and department/employer(s), including which positions are currently active.

Q25. Will you be in Tucson over the 2026 summer? This will help us determine how to proceed with the hiring paperwork if you are chosen for the program.

- ○ Yes, all/most of the summer
- ○ Part of the summer-fill in dates here
- ○ No- fill in your best estimate of when you will return for the fall semester

Q26. At this stage, how interested are you in pursuing graduate school?

- ○ Very interested in graduate school
- ○ Somewhat interested in graduate school
- ○ Not interested in graduate school
- ○ Not sure yet

Q27. At this stage, how interested are you in pursuing a job in industry?

- ○ Very interested in industry
- ○ Somewhat interested in industry

- ○ Not interested in industry
- ○ Not sure yet

Q28. How did you learn about the TIMESTEP Apprenticeship Program?

- ○ Email to student listserv
- ○ Physics/Astronomy newsletter from David & Kristy
- ○ Astronomy Club
- ○ Physics Club
- ○ Classroom visit from TIMESTEP representative
- ○ Faculty member
- ○ Another student
- ○ TIMESTEP website
- ○ TIMESTEP meeting
- ○ TIMESTEP Internship Symposium in September 2025
- ○ Other

SHORT ESSAY RESPONSES

Q29. Please describe your educational goals and career interests. Include how this opportunity in either computing or instrumentation will advance your career goals.

Q30. Describe your responsibilities in any jobs or leadership roles (volunteer work, etc.) you have held. Include information about meeting deadlines, working in teams, communication with your supervisor, attending required meetings, etc. These professional skills will be expected during the Research Apprenticeship.

Q31. This program is designed as an entry point to doing research. If you are already engaged in research, please list who you are working with and explain why you are interested in the Research Apprenticeship (eg. interested in building specific technical skills, current experience is limited, want to learn about other areas of research, etc.).

Q32. What do you find exciting about astronomy and/or physics? Is there an area of study that particularly captures your interest?

Documents

Q33. Upload your resumé here. You must follow the Example Tech Resume format on the TIMESTEP website: https://timestep.arizona.edu/timestep-research-apprenticeship

Be sure to include research experiences, significant class projects, technical skills (include programming languages & operating systems), jobs and clubs (including in high school).

Q34. Upload your unofficial transcript from the Office of the Registrar here. You can access this online following these instructions: https://it.arizona.edu/sites/default/files/Student%20Center%20-%20Unofficial%20Transcript%20Processing%20Guide.pdf

Q35. If applicable, please provide additional information here to clarify any low grades or specific challenges that have impacted your GPA.

Q36. Is there anything else you'd like to share with us?
This is the last question. Advancing will submit the application.