

## The edge of exploration

At the School of Earth and Space Exploration, our students acquire the tools and knowledge to answer scientific questions in astrobiology and astrophysics, exploration systems design, planetary sciences, geological sciences, environmental science and more. Our bachelor's, master's and doctoral programs are designed to challenge students, to encourage critical thinking and scientific inquiry and to inspire exploration.

Our new ASU Online bachelor's degree in astronomical and planetary sciences offers students the opportunity to learn about the latest space science discoveries from leading faculty and researchers, while developing skills in complex problem-solving, critical thinking and communication.

### Undergraduate degrees

Astronomical and Planetary Sciences (BS)  
ASU Online degree

Earth and Environmental Studies (BA)  
Earth and Space Exploration (BS)  
Earth and Space Exploration Astrobiology and Biogeosciences (BS)  
Earth and Space Exploration Astrophysics (BS)  
Earth and Space Exploration Systems Design (BS)  
Earth and Space Exploration Geological Sciences (BS)

### Graduate degrees

Astrophysics and Astronomy (MS)  
Astrophysics (PhD)  
Earth and Space Exploration (MNS)  
Exploration Systems Design (MS)  
Exploration Systems Design Instrumentation (MS)  
Exploration Systems Design Instrumentation (PhD)  
Exploration Systems Design Sensor Networks (MS)  
Exploration Systems Design Sensor Networks (PhD)  
Exploration Systems Design Systems Engineering (MS)  
Exploration Systems Design Systems Engineering (PhD)  
Geological Sciences (MS)  
Geological Sciences (PhD)

 @seseasu

 @earthspaceexplorationasu

 @sese.at.asu

## Philanthropy fuels possibilities

When you give to our school, you become a partner in the academic success of our students, the research discoveries of our faculty and the continued effort to make the world better. From scholarship support to funding for a specific research cause, your generosity and investment benefits our community profoundly and enables our school to achieve the highest standards of excellence, access and impact.

**“Your generous support helps us create a unique academic environment in which scientific discovery motivates the exploration of today, technological innovation enables the discoveries of tomorrow and transdisciplinary learning prepares future generations of explorers.”**

**—Meenakshi Wadhwa,**  
Director, School of Earth  
and Space Exploration

[sese.asu.edu](https://sese.asu.edu)

Interdisciplinary Science and  
Technology Building IV  
781 E. Terrace Mall  
Tempe, AZ 85287-6004

March 2022



**ASU** The College  
of Liberal Arts and Sciences  
Arizona State University



**67**

**faculty members**

**7**

**undergraduate degrees**

**12**

**graduate degrees**

**9:1**

**student to faculty ratio**

## The edge of exploration

The School of Earth and Space Exploration is committed to high-impact scientific discovery. We ask important questions with deep consequences as we explore the great unknowns of the Earth, our solar system and the universe.



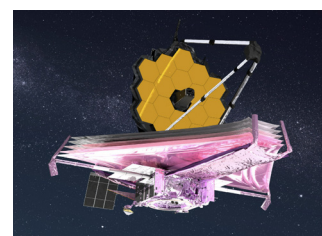
## Leading global impact and innovative solutions

The interdisciplinary work of the School of Earth and Space Exploration brings together the brightest minds in astronomy and astrophysics, cosmology, geosciences, Earth and environmental studies, planetary sciences, exploration systems engineering and science education. We combine the creative strengths of science, engineering and education to set the stage for a new era of exploration.



### Exploring Earth's continents and oceans

We're exploring all of Earth's continents and oceans, studying human impact on water resources, measuring the effects of mining, testing warning systems for volcanic eruptions, monitoring earthquakes, discovering the origin of Earth's oxygen, and collecting cores from the ocean depths to learn about the history and future of Earth's climate.



### Unraveling the mysteries of the universe

We are leaders in exploring the universe, from the solar system to stars, from planets to asteroids and from the Milky Way to the most distant galaxies. Our faculty and students have access to world-class telescopes and instruction that have helped lead to major discoveries in fields including planetary geology, astrobiology, cosmology, astronomy, and astrophysics.



### Leading space missions

Our faculty, researchers, staff and students participate in over 20 space missions. We lead the NASA space missions Psyche and LunaH-Map and we develop and run instruments for scientific missions to the Moon, asteroids, and planets including LROC, OSIRIS-REx, Lucy, and the Mars 2020 rover Perseverance.

## Cultivating an inclusive, welcoming environment

Diversity, equity, and inclusion are core values of the School of Earth and Space Exploration. We define our success not by whom we exclude, but by whom we include and how our students succeed; our education programs are designed to broaden access to a quality science and engineering education. Our diverse faculty and students work side-by-side to advance research and discovery of public value in Earth and space science.

**45%**

**female students**

**31%**

**first generation students**

**35%**

**Pell grant eligible students**

**4,039**

**students enrolled in courses**

**“It was the support from the School of Earth and Space Exploration and experiences at ASU that helped me discover what I’m passionate about in research. My professors taught me how to think independently and navigate on my own, which are skills I will take with me into the future.”**

**Megan McGroarty**

2021 graduate and Dean's Medalist, BS Earth and Space Exploration, Astrobiology and Biogeosciences

