Philanthropy fuels possibilities

When you invest in the natural sciences, you help fuel our commitment to creating access for all students. For the 2019–2020 academic year, students in The College received nearly $93 million in scholarships, allowing them a better chance to thrive in their academic journey. In addition, philanthropy provides an extra measure of support for our top faculty, research initiatives and community programs that otherwise could not be achieved. Together, we can impact the lives of many.

asufoundation.org/naturalsciences

Natural sciences at The College

Students have access to a variety of programs and centers within the natural sciences, as well as the interdisciplinary experience of studying courses within the other two divisions of The College: social sciences and humanities. This cross-disciplinary approach transforms students into socially aware, critical thinkers who have the tools to adapt and succeed in their career and life.

Academic units
Department of Physics
Department of Psychology
School of Earth and Space Exploration
School of Life Sciences
School of Mathematical and Statistical Sciences
School of Molecular Sciences

Centers and institutes
Beyond Center for Fundamental Concepts in Science
Biodiversity Knowledge Integration Center
Center for Biodiversity Outcomes
Center for Bioenergy and Photosynthesis
Center for Biological Physics
Center for Biology and Society
Center for Education Through eXploration
Center for Evolution and Medicine
Center for Materials of the Universe
Center for Meteorite Studies
Global Drylands Center
Interplanetary Initiative
REACH Institute
Simon A. Levin Mathematical, Computational and Modeling Sciences Center

In collaboration with national and global partners, and generous donors and alumni, our diverse faculty and students conduct innovative research to create a more equitable and sustainable future. We work across disciplines to push boundaries and find solutions to some of the world's biggest problems.

— Nancy Gonzales,
Dean of natural sciences

Fact sheet
Natural sciences

thecollege.asu.edu

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@ASUTheCollege
Pioneering solutions in women’s health

Psychology graduate student Victoria Woner was named a winner of the Society for Neuroscience Trainee Professional Development Award, establishing her as one of the top graduate researchers in neuroscience worldwide. Woner was selected based on her research in Heather Bimonte-Nelson’s Behavioral Neuroscience of Memory and Aging Lab that focuses on memory during the transition to menopause.

Leading global impact and innovative solutions

Our faculty and scholars are educating the next generation of globally informed leaders while creating a more equitable, sustainable future. We are proud to have three Nobel laureates, 20 National Academy of Sciences members, the 2019 Roebling Medal winner and many more top scholars leading our mission to provide unmatched access to all.

Scientific discovery fueled by equity and diversity

The College of Liberal Arts and Sciences is at the core of success and discovery at Arizona State University. As the largest and most diverse college at ASU, we drive transformative efforts and amplify diverse voices in our community. Students within the natural sciences pursue fundamental knowledge that enables them to make discoveries and advance solutions to society’s most pressing problems. Our students and faculty utilize intellectual inquiry to create solutions for the next generation.

Cultivating an inclusive, welcoming environment

Students and faculty in the natural sciences represent diverse cultures and backgrounds. By breaking down barriers, The College builds up a community that values, welcomes and amplifies unique perspectives. With a focus on advocating for equity and social justice across all divisions, students are able to have important conversations and develop diversity-informed research, while becoming prepared to thrive in today’s interconnected world. Of the 12,000+ students pursuing a degree in the natural sciences, 37 percent are Pell Grant eligible and 31 percent are the first in their families to attend a university.

82 degree programs
62% female student population
$127 million+ in research expenditures (Dec. ’19 – Nov. ’20)

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Focusing the eyes on Mars

Professor Jim Bell of the School Of Earth and Space Exploration is the principal investigator of the panoramic zoom cameras on NASA’s Mars 2020 Perseverance rover. The camera system, called Mastcam-Z, can zoom from wide angle to telephoto, take 3D images and videos and take color photos. The team will use the cameras to scout the local geology, look for signs of past life on Mars and more.

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Award-winning gravity research

For their essay “The Noise of Gravitons,” Associate Professor Maulik Parikh, Professor and Nobel Prize laureate Frank Wilczek and Postdoctoral Research Associate George Zahariade were recognized with the top prize from the Gravity Research Foundation. The honor is one of the highest awards given for research exclusively on gravity, with previous winners including Stephen Hawking and five Nobel laureates.

An artist’s impression of gravitational waves generated by binary neutron stars. Credit: R. Hurt/CALTECH JPL/NSA