

## Advancing knowledge for our complex world

Arizona State University's School of Geographical Sciences and Urban Planning advances geospatial knowledge for a complex world – emphasizing education, research and applied solutions to urban and environmental problems. As national leaders in spatial data science and urban climatology, our growing school not only trains students to gain the skills needed to solve issues affecting our local communities and our world, we are also home to three research and research-support centers:

### Geospatial Research and Solutions

Geospatial Research & Solutions (GRS) is a professional services group that works in conjunction with researchers at our school. GRS provides geospatial support services, with an expertise in a wide range of issues including spatial analysis, geographic information science, transportation systems, remote sensing, cyberinfrastructure, economic systems, and urban and regional science.  
[gis.asu.edu](http://gis.asu.edu)

### Spatial Analysis Research Center

The Spatial Analysis Research Center aims to advance the science and technology of GIScience and earth observing and to lead the transdisciplinary application of spatial analysis tools and solutions for addressing novel and impactful research questions.  
[sparc.asu.edu](http://sparc.asu.edu)

### Urban Climate Research Center

The Urban Climate Research Center employs a collaborative social and physical science framework to address critical issues, such as urban heat islands and heat stress experienced in vulnerable communities.  
[urbanclimate.asu.edu](http://urbanclimate.asu.edu)

### Center for Global Discovery and Conservation Science

The Center for Global Discovery and Conservation Science leads spatially-explicit scientific and technological research focused on mitigating and adapting to global environmental change.  
[urbanclimate.asu.edu](http://urbanclimate.asu.edu)

## Philanthropy fuels possibilities

When you support the School of Geographical Sciences and Urban Planning, you are supporting more than student success and innovative research. Your support allows a future urban planner to receive learning opportunities to create equity in our communities and a future climatologist to gain hands-on classroom experience as they investigate urban heat islands. Your support lays the path for our students to create positive change for our neighborhoods, our cities and our world.

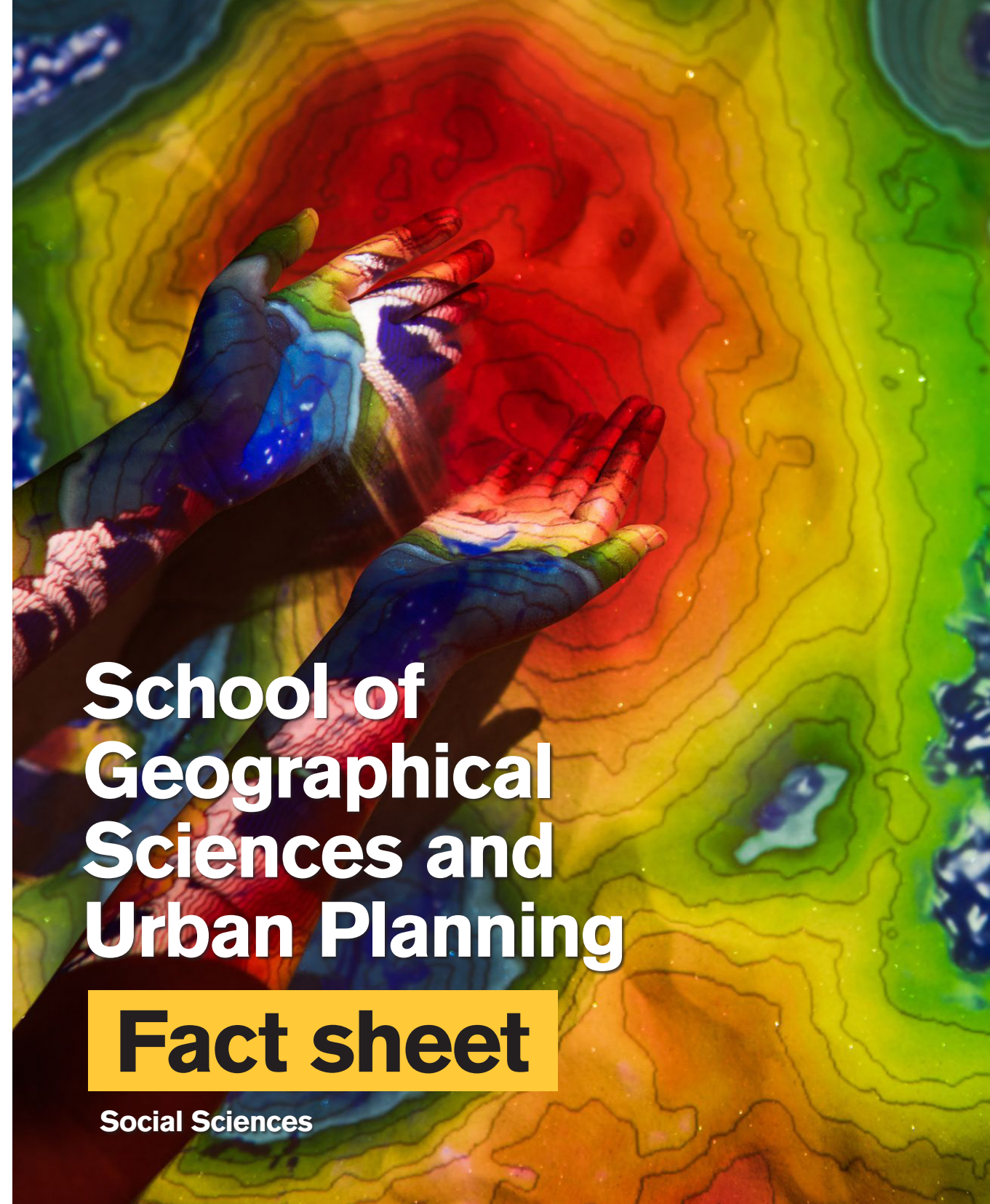
“Our students and faculty are engaged in research that aims to make grand discoveries that are critical to improving our communities, cities and our world. Join us, as we navigate the world and plan the future.”

– Sharmistha Bagchi-Sen  
Director, School of Geographical Sciences and Urban Planning

[sgsup.asu.edu](http://sgsup.asu.edu)



Coor Hall  
975 S. Myrtle Ave.  
Tempe, AZ 85287  
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# School of Geographical Sciences and Urban Planning

## Fact sheet

Social Sciences

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



**5**  
undergraduate  
degrees

**6**  
graduate  
degrees

**7**  
certificates  
and minors

**4**  
accelerated  
degree  
programs

## Navigate the world. Plan the future.

At the School of Geographical Sciences and Urban Planning, we place our focus on location – the heart of geography, urban planning, climatology and GIS – and from that foundation, we develop cutting-edge techniques and solutions to the complex issues facing society. With our unique approach of combining geography and urban planning, our students are prepared to not only navigate the world but also plan for a more sustainable and equitable future for our world.



## Leading global impact and innovative solutions

Our school is home to the innovators who are generating the knowledge needed to navigate issues we face on the local and global scale. Our faculty includes members of the National Academy of Sciences, Fulbright Scholars and global influencers in their areas of expertise. This expertise is being used in our research and in our classrooms to educate the innovators of tomorrow.



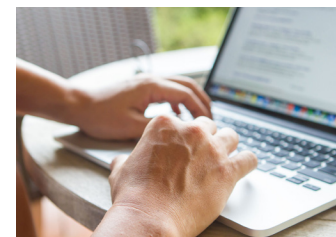
### Flying high for vegetation restoration

Along the lower banks of the Salt River, dense thickets of invasive plants threaten native vegetation vital to preserving the biodiversity of this low elevation desert riparian environment. Our students and faculty took specialized drones to the sky to help map the invasive species to help better inform restoration efforts.



### Hitting the streets to cool a city

As our cities grow, so does the effect of urban heat. A yearlong joint study by the City of Phoenix and ASU applied a reflective gray treatment called CoolSeal to 36 miles of neighborhood roads and a parking lot to study if this treatment may provide some relief from the heat.



### Surveying changing behaviors

A nationwide survey, conducted by our faculty and students, revealed that many Americans plan to continue behaviors created during the height of the pandemic. Working from home more, dining out less and reducing overall travel are all adaptations many plan to continue. These insights will prove helpful in a variety of ways, including for transportation and urban planners.

## Breaking down barriers to build up communities

The diversity of our faculty and student body strengthen our ability to meet the challenges our world faces head on. Our students come from across the U.S. and around the world to work on the issues that matter the most to them. Students in our school hail from all 50 states and 33 countries from around the globe. Beyond the diverse geographical influence, our students bring other unique perspectives to our school including 36 percent of our students being first-generation college students.

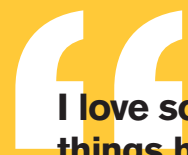
**5,864** students enrolled in our courses

**1,039** total undergraduate students

**117** graduate students

**32** tenured and tenure-track faculty

**9:1** student-to-faculty ratio



I love science and I like to understand why things happen the way they do. GIS helps me display results and ideas that I may not have been able to bring out into reality otherwise. ... Thanks to [a] scholarship, and the generosity of others, I could continue to work and offer my skills with less worry about financial burden."

**Arnold Kedia**  
Master of Advanced Study in Geographic Information Systems (MAS-GIS) graduate

