

Four areas of math and statistics, under one roof

Our PhD programs offer more than 50 potential faculty advisors on a wide range of research topics, connecting with engineering, sciences, national labs, Mayo Clinic and Biodesign Institute.

Applied Mathematics

Computational mathematics

Dynamical systems

Mathematical biology

Probability

Systems and control

Research Training Group (RTG) –
data driven problems
across applied mathematics,
statistics, and harmonic analysis

Tools for scientific discovery

Theoretical Mathematics

Analysis – real, functional and harmonic

Discrete mathematics –

discrete structures,
and enumerative combinatorics
including graph theory and algebra

Geometry and topology –
manifolds and related spaces

Number theory – study of integers
and their generalizations

Inspire your intellectual curiosity

Mathematics Education

Teaching and
learning of mathematics

Understanding the
interplay among cognitive,
social, cultural,
and institutional forces

Early, hands-on engagement
in active research projects

Focus on research in
undergraduate math education

Statistics

Bayesian statistics

Causal inference and missing data

Computational statistics

Design of experiments

High-dimensional data

Machine learning

Mixed models

Statistical methods in education

Jobs for statisticians are expected
to grow 27% by 2022

Top 10 in the world for patents

among universities granted U.S. patents

– U.S. National Academy of Inventors and the Intellectual Property Owners Association



Arizona State University ranks in the top 10 of all universities worldwide for U.S. patents awarded in 2018. In a report by the U.S. National Academy of Inventors and the Intellectual Property Owners Association, ASU ranks among MIT, Stanford University and the University of Texas in the top 10 for U.S. utility patents. ASU is where students and faculty work with NASA to develop, advance and lead innovations in space exploration. This is where Nobel laureates and Pulitzer Prize winners teach master learners. ASU's nationally ranked programs inspire the best-qualified graduates and have positioned the university as a "top-tier" recruiting and hiring institution by more than 50 of the country's leading corporations, according to professional recruiters and ranking services around the world. The Fiske Guide to Colleges 2018 describes ASU as a university "where 'massive innovation' is the norm and where an interdisciplinary culture is seen as the best means of developing 'world-changing ideas.'"

Livability recently named Tempe the Best College Town in America. Arizona's 300+ days of sunshine per year and outstanding scenery make it the perfect playground for graduate students who need a break from academia. From hiking beautiful peaks and biking mountain trails to watching professional sporting events and performing arts, there is so much to see, do, explore and discover.



ASU Arizona State University

#1 in the U.S.
for innovation

BEST COLLEGES
USNEWS

ASU ahead of Stanford and MIT

U.S. News & World Report, 2019