

# 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 nation for graduate employability

ahead of MIT, Columbia, Johns Hopkins, Duke, UCLA

– Global University Employability Survey 2016



Times Higher Education lists Arizona State University as one of the best in the country for preparing graduates for jobs, as chosen by employers in the Global University Employability Survey 2016. ASU ranks No. 9, ahead of MIT, Columbia, Johns Hopkins, Duke, and UCLA, among other leading universities. 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.

