University of Arizona. Old Main and Mall

PROGRAM IN APPLIED MATHEMATICS

We welcome you to the exciting world of applied mathematics!

Since it was started in 1976, the Interdisciplinary Program in Applied Mathematics at the University of Arizona has grown in size and stature and is now a highly regarded interdisciplinary graduate program, both nationally and internationally. The great strength of the Program lies in its large body of distinguished faculty who come from many different academic disciplines in the mathematical, physical, biological, and engineering and social sciences. The breadth and depth of endeavor has created a vital and exciting environment in which to work.

http://appliedmath.arizona.edu

Mathematics Building, University of Arizona

HOW TO APPLY

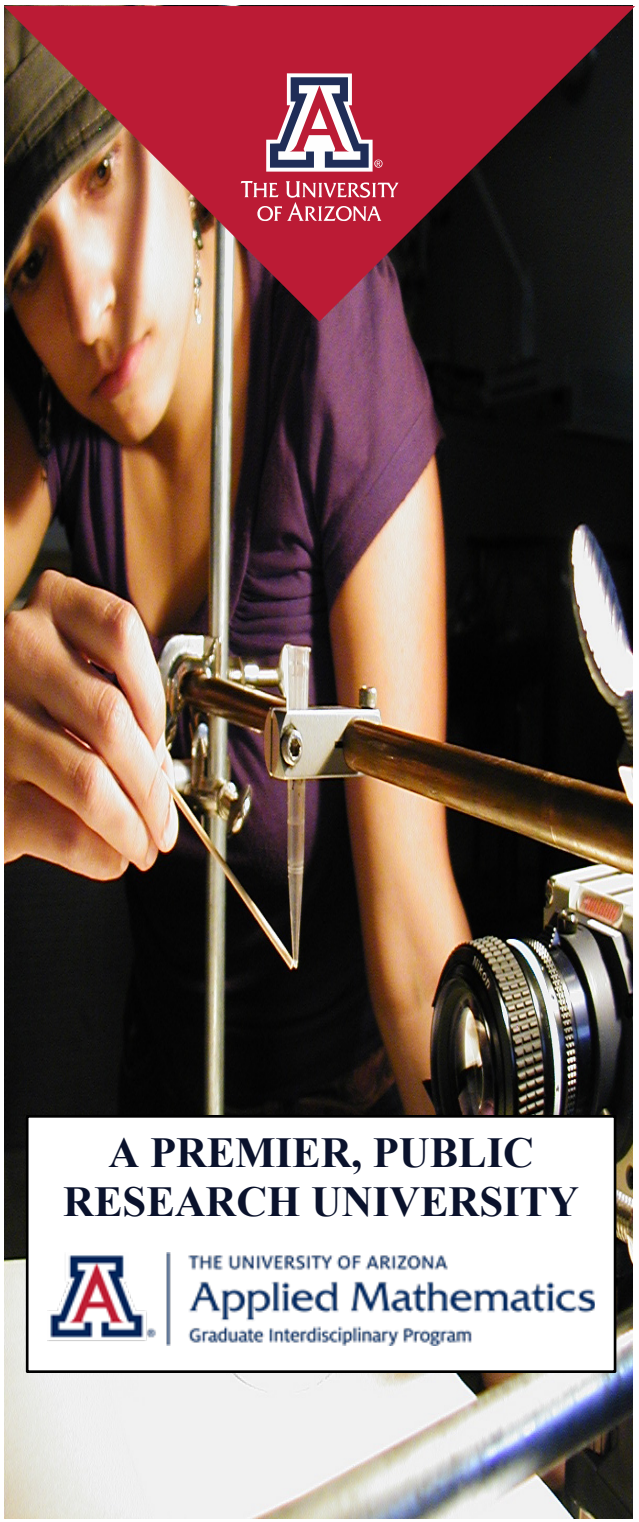
Please visit our website at http://appliedmath.arizona.edu and go to the Admissions section for instructions about how to apply online. In addition, you will need to submit the following materials:

- Official Transcripts
- 3 Letters of Recommendation
- GRE Scores (subject test not required)
- Statement of Purpose

Deadlines: Domestic and International applications are due January 6th for consideration for Fall semester enrollment.

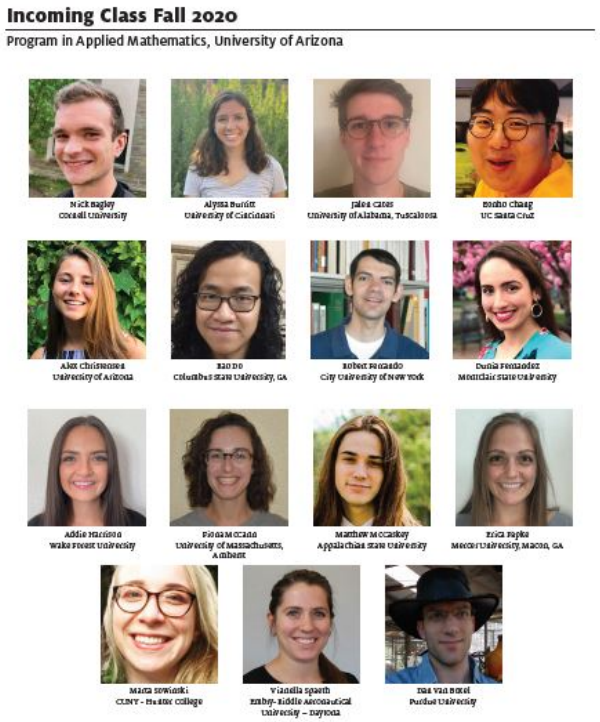
THE UNIVERSITY OF ARIZONA
Applied Mathematics
Graduate Interdisciplinary Program

617 N. Santa Rita Avenue
Tucson, AZ 85721
Phone: 520-621-2016 | Email;
appliedmath@math.arizona.edu
http://appliedmath.arizona.edu

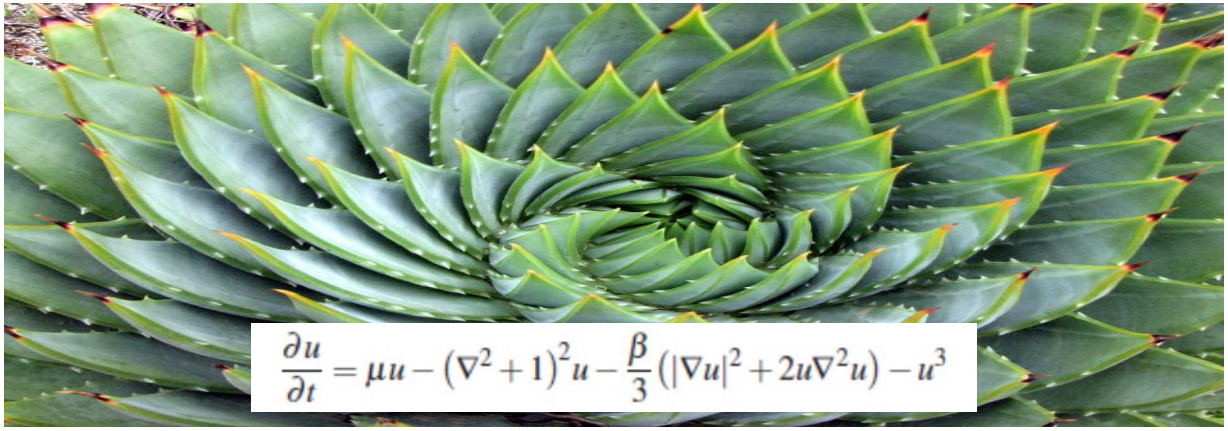


FINANCIAL SUPPORT

All students admitted to the Program are offered a comprehensive and long-term package of financial support, which includes health insurance and tuition remission. Program students are supported on Teaching Assistantships, Research Assistantships, and various training grant fellowships.



RESEARCH FACILITIES AND COURSES OF STUDY



Newell, A.C., Pennybacker, M. "Fibonacci Patterns: common or rare?" Procedia IUTAM 9 (2013) 86-109.

PROGRAM TRAINING GRANTS

National Institutes of Health

Professor Timothy Secomb

In 2009 the Program in Applied Mathematics was awarded a training grant from the National Institutes of Health for "Computational and Mathematical Modeling of Biomedical Systems." This grant provides fellowships for students in Applied Mathematics and other graduate programs working at the interface of mathematics and the biological and biomedical sciences. It is a focal point of activity for a campus-wide community of faculty and students working on problems in quantitative biology. Professor Tim Secomb is the PI of this grant and it was renewed for five years in July, 2019. For more information about the NIH training grant please visit http://cmmbs.arizona.edu

Research Facilities The Program in Applied Mathematics is housed in the Mathematics building where seminars, colloquia, and most of the graduate courses are held. Program students have dedicated and powerful computer systems to support their research and course work, and access to outstanding library services.

Courses of Study Entering students take a unique sequence of core courses which, depending on their backgrounds, can be completed in one or two years. After completing the core, students have the opportunity to pursue flexible and individually designed programs of study. Because the Program has a large cadre of distinguished faculty members from many different departments, students can choose to do research in areas such as bio-mathematics, dynamical systems, fluid mechanics, material science, mathematical physics, medical imaging, systems engineering, pattern formation, planetary science, environmental and geosciences, scientific computing – and many others. In addition to academic research and education, Program students develop their professional skills through teaching, outreach, internships, and the development of their presentation skills.