Department of Mathematics and Statistics

SCHOLARSHIP DAY 2014

Degree Options

- Our department offers both Bachelor of Arts and Bachelor of Science degrees with concentrations in:
  - Actuarial Science
  - Applied Mathematics
  - Mathematics with Computer Science
  - Pure Mathematics
  - Statistics

Degree Options

- You can choose to work in research or use your skills in a more hands-on way.
- If you think you want to go to Graduate School for Engineering or another field, earning your Bachelor's degree in mathematics can give you a solid educational background that trains your mind to think in a very logical, scientific way – effectively preparing you for complicated Graduate work.

We Use Math

- The most common question students ask math teachers at every level is…

    When will I use math?

- The video describes the importance of mathematics and many rewarding career opportunities available to students who study mathematics.

http://www.youtube.com/watch?feature=player_embedded&v=aYIv4jggQJc

Fastest-Growing Careers

- Actuary
- Mathematician
- Cryptographer
- Economist
- Operations Research Analyst
- Financial Analyst
- Statistician
- Biostatistician
- Data Scientist
- Personal Financial Advisor
- Teaching: Elementary, Middle, Secondary, Postsecondary

Alumni

- Anthony Bradfield
- BA Statistics & Economics, 2010
- PhD Economics, OSU

- Samantha Davis
- BA Statistics, 2008
- Senior Analyst, Towers Watson
- Fellow of the Society of Actuaries
- Enrolled Actuary under ERISA

Alumni

- Suzan Orra
- BS Pure Math, 2004
- MS Math, 2006
- Lecturer at UT

- Jonathan Schroeder
- BS Pure Math, 2008
- PhD Program at Wisconsin-Madison

Alumni

- Dana Smith
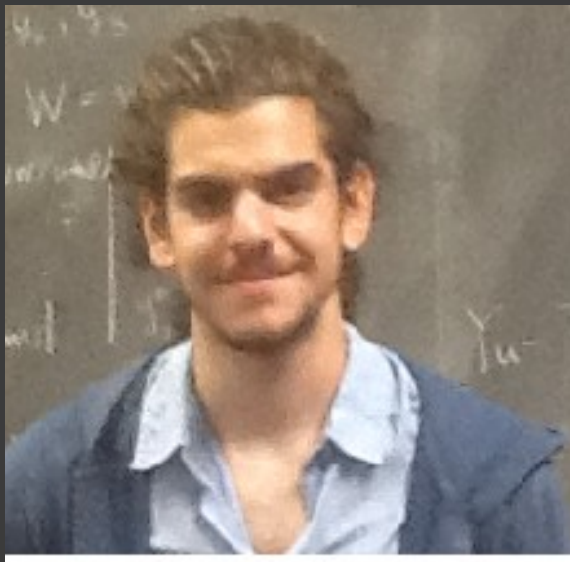- BS Applied Math, 2011
- MS Program at Univ. of Michigan

- Zackary Wick
- BS Math Computer Science, 2010
- Software Engineer, Barracuda Networks

Current Students

- Belal Abdullah
- BS Pure Math
- Pre-Med
- Minor in Chemistry

- Zachary Dietrich
- BS Statistics
- MA Statistics
- Institute for Training in Biostatistics and Univ. of South Florida, 2012

Current Students

- Laura Gerhardinger
- BA Math & Economics

- Nathan Jones
- BS Pure Math
- Summer Research at UT
- Works with Dr. Gerard Thompson

Current Students

- Luke Kwiatkowski
- BS Pure Math
- Physics Summer Research at UT
- Works with Dr. Mao-Pei Tsui

- Matthew Osborne
- BS Applied Math
- Summer REU at Univ. of Michigan

Faculty Research Foci

- Actuary
  - Zhiwei Chen, Ron Liu, Minhui Paik, Don White
- Algebra
  - Paul Hewitt, Charles Odenthal, Akaki Tikaradze
- Analysis
  - Zeljko Cuckovic, Sonmez Sahutoglu, Akaki Tikaradze, Denis White
- Applied Mathematics
  - Alessandro Arsie, Maria Leite, Robert Ochs, Ivie Stein, West Vayo

Faculty Research Foci

- Differential Equations
  - Alessandro Arsie, Maria Leite, Biao Ou, Gerard Thompson, Mao-Pei Tsui
- Differential Geometry
  - Geoffrey Martin, Gerard Thompson, Mao-Pei Tsui
- Math Education
  - Jim Anderson, Friedhelm Schwarz
- Statistics
  - Rong Liu, Qin Shao, Donald White, Biao Zhang

Undergraduate Research

- Nathan Jones submitted a joint paper with Dr. Gerard Thompson

- Joseph Ozbolt published a paper with Dr. Mao-Pei Tsui

- Zachary Dietrich – 2012 Summer Institute in Biostatistics at Univ. of South Florida

Pi Mu Epsilon

Alumni Visit

Undergraduate Jobs at UT

- Grading for the department
- Tutoring for Learning Enhancement Center/Math Learning Resource Center
- Math 1200 Study Table
- Donald P. Sparks