

# DEPARTMENT OF MATHEMATICS

## Overview

The Department of Mathematics offers curricula which lead to the following undergraduate degrees: Bachelor of Science in Applied Mathematical Sciences, Bachelor of Arts in Mathematics and Bachelor of Science in Mathematics. An Integrated Fast Track combined baccalaureate/graduate degree program is also offered.

The curriculum for the BS in Applied Mathematical Sciences includes courses in economics, industrial engineering, statistics, computer science and mathematics. A student completing this program is prepared to enter employment with analytical and quantitative tools relevant to modern technological industries and/or modern financial markets. On the other hand, with the appropriate electives chosen, the student is prepared to enter quantitatively oriented graduate programs. Advising for this degree option is done through the Undergraduate Program Office in the Department of Mathematics.

With carefully chosen electives in education, any one of the above three degree plans can lead to teacher certification. Students interested in teacher certification may find the BA degree plan the most suitable since this degree plan offers the greatest flexibility for the inclusion of teacher certification courses.

## Majors

- Bachelor of Arts in Mathematics (<http://catalog.tamu.edu/undergraduate/science/mathematics/ba>)
- Bachelor of Arts in Mathematics and Master of Science in Mathematics, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/science/mathematics/ba-ms>)
- Bachelor of Science in Mathematics (<http://catalog.tamu.edu/undergraduate/science/mathematics/bs>)
- Bachelor of Science in Mathematics and Master of Science in Mathematics, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/science/mathematics/bs-ms>)
- Bachelor of Science in Applied Mathematical Sciences, Actuarial Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-actuarial-emphasis>)
- Bachelor of Science in Applied Mathematical Sciences, Biological Science Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-biological-science-emphasis>)
- Bachelor of Science in Applied Mathematical Sciences, Computational Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-computational-emphasis>)
- Bachelor of Science in Applied Mathematical Sciences, Economics Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-economics-emphasis>)
- Bachelor of Science in Applied Mathematical Sciences, Math Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-math-emphasis>)
- Bachelor of Science in Applied Mathematical Sciences, Statistics Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-statistics-emphasis>)

- Bachelor of Science in Applied Mathematical Sciences and Master of Science in Mathematics, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-ms>)

## Minors

- Mathematics Minor (<http://catalog.tamu.edu/undergraduate/science/mathematics/minor>)

## Faculty

Allen, Angela J, Instructional Assistant Professor  
Mathematics  
MS, Texas A&M University, 2005

Anshelevich, Michael V, Professor  
Mathematics  
PHD, University of California, Berkeley, 2000

Aurispa, Benjamin, Instructional Assistant Professor  
Mathematics  
MS, Texas A&M University, 2006

Austin, Amy L, Instructional Assistant Professor  
Mathematics  
MS, Texas A&M University, 1994

Baskin, Dean R, Assistant Professor  
Mathematics  
PHD, Stanford University, 2010

Battle III, Guy A, Professor  
Mathematics  
PHD, Duke University, 1977

Baudier, Florent P, Instructional Assistant Professor  
Mathematics  
PHD, Universite De Besancon, 2010

Berkolaiko, Gregory, Professor  
Mathematics  
PHD, University of Bristol, 1997

Boas, Harold P, Professor  
Mathematics  
PHD, Massachusetts Institute of Technology, 1980

Bollinger, Kathryn L, Instructional Assistant Professor  
Mathematics  
MS, Texas A&M University, 1998

Bonito, Andrea, Professor  
Mathematics  
PHD, Ecole Polytechnique Federale de Lausanne, France, 2006

Borosh, Itshak, Senior Professor  
Mathematics  
PHD, Weizmann Institute of Science, 1966

Brannan, Michael P, Assistant Professor  
Mathematics  
PHD, Queen's University, 2012

Cai, Yue, Visiting Assistant Professor  
Mathematics  
PHD, University of Kentucky, 2016

Carter, Tamara A, Instructional Assistant Professor  
Mathematics  
PHD, Texas A&M University, 2005

Chen, Goong, Professor  
Mathematics  
PHD, University of Wisconsin - Madison, 1977

Coffelt, Vanessa Lea, Lecturer  
Mathematics  
MS, Kansas State University, 2005

Comech, Andrew, Associate Professor  
Mathematics  
PHD, Columbia University, 1997

Daripa, Prabir, Professor  
Mathematics  
PHD, Brown University, 1985

Demlow, Alan R, Professor  
Mathematics  
PHD, Cornell University, 2002

Devore, Ronald A, University Distinguished Professor  
Mathematics  
PHD, Ohio State University, 1967

Dykema, Kenneth J, Professor  
Mathematics  
PHD, University of California, Berkeley, 1993

Efendiev, Yalchin R, Professor  
Mathematics  
PHD, California Institute of Technology, 1999

Epstein, Janice L, Instructional Associate Professor  
Mathematics  
PHD, Texas A&M University, 1992

Erdelyi, Tamas, Professor  
Mathematics  
PHD, University of Southern Carolina, 1989

Foucart, Simon, Associate Professor  
Mathematics  
PHD, University of Cambridge, 2005

Fry, Erin K, Lecturer  
Mathematics  
MS, University Of Illinois Urbana Champaign, 1990

Fulling, Stephen A, Professor  
Mathematics  
PHD, Princeton University, 1972

Gao, Li, Visiting Assistant Professor  
Mathematics  
PHD, University of Illinois, 2018  
PHD, University of Illinois-Urbana-Champaign, 2018

Goswami, Souvik, Visiting Assistant Professor  
Mathematics  
PHD, University of Alberta, 2015

Grigorchuk, Rostislav, University Distinguished Professor  
Mathematics  
PHD, Moscow State University of Lomomosov, 1986

Guermond, Jean-Luc, Professor  
Mathematics  
PHD, Sorbonne Universites, 1995

Guo, Hao, Visiting Assistant Professor  
Mathematics  
PHD, The University of Adelaide, 2018

Gustafson, Robert A, Associate Professor  
Mathematics  
PHD, Yale University, 1979

Hanin, Boris L, Assistant Professor  
Mathematics  
PHD, Northwestern University, 2014

Harper, Alicia, Visiting Assistant Professor  
Mathematics  
PHD, Brown University, 2018

Hensley, Douglas A, Senior Professor  
Mathematics  
PHD, University of Minnesota, 1974

Hester, Yvette C, Instructional Associate Professor  
Mathematics  
PHD, Texas A&M University, 2000

Holmes, Irina, Assistant Professor  
Mathematics  
PHD, Louisiana State University, 2014

Howard, Peter B, Professor  
Mathematics  
PHD, Indiana University, 1998

Jantsch, Peter Alan, Visiting Assistant Professor  
Mathematics  
PHD, University of Tennessee, 2017

Johnson, Maya E, Lecturer  
Mathematics  
PHD, Texas A&M University, 2015

Johnson, William B, University Distinguished Professor  
Mathematics  
PHD, Iowa State University, 1969

Jung, Junehyuk, Assistant Professor  
Mathematics  
PHD, Princeton University, 2013

Kahlig, Joseph E, Instructional Assistant Professor  
Mathematics  
MS, Texas A&M University, 1994

Kerr, David G, Professor  
Mathematics  
PHD, University of Toronto, 2001

Kilmer, Kendra R, Instructional Assistant Professor  
Mathematics  
MS, Texas A&M University, 2003

Kim, Joung Dong, Instructional Assistant Professor  
Mathematics  
PHD, State University of New York at Stony Brook, 2012

Kuan, Jeffrey, Assistant Professor  
Mathematics  
PHD, Harvard University, 2015

Kuchment, Peter, University Distinguished Professor  
Mathematics  
PHD, Kharkov State University, Russia, 1973

Lahodny Jr, Glenn E, Instructional Assistant Professor  
Mathematics  
PHD, Texas Tech University, 2012

Landsberg, Joseph M, Professor  
Mathematics  
PHD, Duke University, 1990

Larson, David R, Professor  
Mathematics  
PHD, University of California - Berkeley, 1976

Lazarov, Raytcho D, Professor  
Mathematics  
PHD, University of Moscow, Russia, 1972

Lee, Sang Rae, Senior Lecturer  
Mathematics  
PHD, University of Oklahoma, 2012

Lewis, Jennifer L, Senior Lecturer  
Mathematics  
PHD, Ohio State University, 1980

Limafilho, Paulo C, Professor  
Mathematics  
PHD, State University of New York at Stony Brook, 1989

Liu, Chun-Hung, Assistant Professor  
Mathematics  
PHD, Georgia Institute of Technology, 2014

Lynch, Benjamin R, Senior Lecturer  
Mathematics  
PHD, University of Tennessee, 2010

Lynch, Richard G, Visiting Assistant Professor  
Mathematics  
PHD, University of Missouri, 2016

Maier, Matthias Sebastian, Assistant Professor  
Mathematics  
PHD, Ruprecht-Karls Universitat Heidelberg, Germany, 2015

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Mathematics  
PHD, University of Texas at Austin, 2005

Matusevich, Laura F, Professor  
Mathematics  
PHD, University of California, Berkeley, 2002

Narcowich, Francis J, Professor  
Mathematics  
PHD, Princeton University, 1972

Nekrashevych, Volodymyr, Professor  
Mathematics  
PHD, Taras Shevchenko National University, Russia, 1998

Onica, Constantin, Instructional Assistant Professor  
Mathematics  
PHD, Texas A&M University, 2005

Orchard, Patrick J, Lecturer  
Mathematics  
MS, Texas A&M University, 2015

Paouris, Grigorios, Professor  
Mathematics  
PHD, University of Crete, 2004

Papanikolas, Matthew A, Professor  
Mathematics  
PHD, Brown University, 1998

Pasciak, Joseph E, Professor  
Mathematics  
PHD, Cornell University, 1977

Pearlstein, Gregory J, Associate Professor  
Mathematics  
PHD, UNIVERSITY OF MASSACHUSETTS AT AMHERST, 1999

Pearlstein, Rosanna, Lecturer  
Mathematics  
PHD, University of Massachusetts Amherst, 1998

Petrova, Guergana P, Professor  
Mathematics  
PHD, University of Southern Carolina, 1999

Pisier, Gilles, University Distinguished Professor  
Mathematics  
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Poltoratski, Alexei G, Professor  
Mathematics  
PHD, California Institute of Technology, 1995

Popov, Bojan D, Professor  
Mathematics  
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Procaccia, Eviatar B, Assistant Professor  
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PHD, Tarbiat Modares University, 2005

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Mathematics  
PHD, University of California, Berkeley, 1995

Roque-Sol, Marco A, Lecturer  
Mathematics  
PHD, Texas A&M University, 2006

Rowell, Eric C, Professor  
Mathematics  
PHD, University of California, San Diego, 2003

Rundell, William, Professor  
Mathematics  
PHD, Glasgow University, 1974

Schiellack Jr, Vincent, Associate Professor  
Mathematics  
PHD, University of Texas at Austin, 1982

Schlumprecht, Thomas B, Professor  
Mathematics  
PHD, Ludwig Maximilians Universitat, Germany, 1988

Schrader, Todd W, Lecturer  
Mathematics  
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Sengupta, Sinjini, Senior Lecturer  
Mathematics  
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Shi, Shuhui, Visiting Assistant Professor  
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Sivakumar, Natarajan, Associate Professor  
Mathematics  
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Smith, Roger R, Professor  
Mathematics  
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Sottile, Frank J, Professor  
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Stiller, Peter F, Professor  
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Straube, Emil J, Professor  
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Tucker-Drob, Robin D, Assistant Professor  
Mathematics  
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Volcic, Jurij, Visiting Assistant Professor  
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Mathematics  
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Yan, Huafei, Professor  
Mathematics  
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Yang, Tian, Assistant Professor  
Mathematics  
PHD, Rutgers University at New Brunswick, 2013  
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