

# DEPARTMENT OF MATHEMATICS

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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. A 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.

## Faculty

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

Alonso Ruiz, Patricia, Assistant Professor  
Mathematics  
PHD, University of Siegen, 2013

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

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

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

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

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

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

Bezerra de Matos, Rodrigo, Visiting Assistant Professor  
Mathematics  
PHD, Michigan State University, 2020

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

Bobkova, Irina, Assistant Professor  
Mathematics  
PHD, Northwestern University, 2014

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

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

Booth, Robert, Visiting Assistant Professor  
Mathematics  
PHD, University of North Carolina at Chapel Hill, 2018

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

Cantu, Justin, Lecturer  
Mathematics  
PHD, Texas A&M University, 2019

Carter, Tamara A, Instructional Associate 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

Darbinyan, Arman, Visiting Assistant Professor  
Mathematics  
PHD, Vanderbilt University, 2018

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

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

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

Dykema, Kenneth J, Professor  
Mathematics  
PHD, University of California at 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

Foran, Alexandra, Lecturer  
Mathematics  
PHD, Texas A&M University, 2018

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

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

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

Gartland, Christopher, Visiting Assistant Professor  
Mathematics  
PHD, University of Illinois - Urbana Champaign, 2020

Grigorochuk, Rostislav, 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

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

Harris, Samuel, Visiting Assistant Professor  
Mathematics  
PHD, University of Waterloo, 2019

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

Huang, Hang, Visiting Assistant Professor  
Mathematics  
PHD, University of Wisconsin, 2019

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

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

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

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

Kim, Joung Dong, Instructional Associate 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

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

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

Lee, Jong Jun, Instructional Assistant Professor  
Mathematics  
PHD, University of Maryland, 2014

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

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

Lin, Kung-Ching, Visiting Assistant Professor  
Mathematics  
PHD, University of Maryland-College Park, 2020

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

Liu, Wencai, Assistant Professor  
Mathematics  
PHD, Fudan University, 2015

Lockhart, Bret, Lecturer  
Mathematics  
MS, Texas A&M University, 2010

Luhrmann, Jonas, Assistant Professor  
Mathematics  
PHD, Eidgenössische Technische Hochschule Zürich, 2016

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

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

Manuel, David J, Instructional Associate Professor  
Mathematics  
MS, Texas A&M University, 1994

Masri, Mohamad R, Professor  
Mathematics  
PHD, The University of Texas at Austin, 2005

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

Ming, Shuang, Visiting Assistant Professor  
Mathematics  
PHD, University of California at Davis, 2019

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

Ordog, Erika, Visiting Assistant Professor  
Mathematics  
PHD, Duke University, 2020

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

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

Park, Josiah, Visiting Assistant Professor  
Mathematics  
PHD, Georgia Institute of Technology, 2020

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

Pearlstein, Gregory J, Associate Professor  
Mathematics  
PHD, University of Massachusetts, 1999

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

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

Pisier, Gilles, Distinguished Professor  
Mathematics  
PHD, University of Paris, 1977

Popov, Bojan D, Professor  
Mathematics  
PHD, University of Southern Carolina, 1999

Procaccia, Eviatar B, Associate Professor  
Mathematics  
PHD, Weizmann Institute of Science, 2013

Pun, Sai Mang, Visiting Assistant Professor  
Mathematics  
PHD, The Chinese University of Hong Kong, 2019

Rahm Jr, Robert S, Instructional Assistant Professor  
Mathematics  
PHD, Washington University in St. Louis, 2017

Ramsey, Heather L, Instructional Associate Professor  
Mathematics  
MS, Texas A&M University, 2004

Reihani, Kamran, Instructional Assistant Professor  
Mathematics  
PHD, Tarbiat Modares University, 2005

Rojas, Joseph M, Professor  
Mathematics  
PHD, University of California at Berkeley, 1995

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

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

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

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

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

Schrader, Todd W, Senior Lecturer  
Mathematics  
MS, Texas A&M University, 2016

Sengupta, Sinjini, Instructional Assistant Professor  
Mathematics  
PHD, Florida State University, 2006

Shatalov, Oksana, Instructional Professor  
Mathematics  
PHD, Technion - Israel Institute of Technology, 2001

Shi, Shuhui, Visiting Assistant Professor  
Mathematics  
PHD, University of Rochester, 2018

Shiu, Anne J, Professor  
Mathematics  
PHD, University of California at Berkeley, 2010

Small, Kenneth, Lecturer  
Mathematics  
MS, Texas A&M University, 2019

Smith, Roger R, Professor  
Mathematics  
PHD, University of Oxford, 1976

Sottile, Frank J, Professor  
Mathematics  
PHD, University of Chicago, 1994

Stiller, Peter F, Professor  
Mathematics  
PHD, Princeton University, 1977

Straube, Emil J, Professor  
Mathematics  
PHD, Swiss Federal Institute of Technology Zurich, 1983

Taliaferro, Steven D, Associate Professor  
Mathematics  
PHD, Stanford University, 1976

Titi, Edriss S, University Distinguished Professor  
Mathematics  
PHD, Indiana University, Bloomington, 1986

Tripode, Jessica, Lecturer  
Mathematics  
MS, Texas A&M University, 2019

Tucker-Drob, Robin D, Associate Professor  
Mathematics  
PHD, California Institute of Technology, 2013

Volcic, Jurij, Visiting Assistant Professor  
Mathematics  
PHD, University of Auckland, 2018

Vorobets, Mariya, Instructional Assistant Professor  
Mathematics  
PHD, Lviv National University, 2004

Vorobets, Yaroslav, Associate Professor  
Mathematics  
PHD, Moscow Lomonosov State University, 1998

Whitfield, Jennifer G, Instructional Associate Professor  
Mathematics  
PHD, Texas A&M University, 2017

Witherspoon, Sarah J, Professor  
Mathematics  
PHD, University of Chicago, 1994

Wu, Jianchao, Visiting Assistant Professor  
Mathematics  
PHD, Vanderbilt University, 2019

Xie, Zhizhang, Associate Professor  
Mathematics  
PHD, The Ohio State University, 2011

Xu, Guangbo, Assistant Professor  
Mathematics  
PHD, Princeton University, 2013

Yan, Huafei, Professor  
Mathematics  
PHD, Massachusetts Institute of Technology, 1997

Yang, Tian, Assistant Professor  
Mathematics  
PHD, Rutgers University at New Brunswick, 2013

Yasskin, Philip B, Associate Professor  
Mathematics  
PHD, University of Maryland, 1979

Young, Matthew P, Professor  
Mathematics  
PHD, Rutgers University, 2004

Yu, Guoliang, University Distinguished Professor  
Mathematics  
PHD, State University Of New York At Stony Brook, 1991

Zelenko, Igor, Associate Professor  
Mathematics  
PHD, Technion - Israel Institute of Technology, 2002

Zhou, Jianxin, Professor  
Mathematics  
PHD, Pennsylvania State University, 1986

## 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 Science Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-actuarial-science-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 Science Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-computational-science-emphasis/>)
- Bachelor of Science in Applied Mathematical Sciences, Cryptography Emphasis (<http://catalog.tamu.edu/undergraduate/science/mathematics/applied-mathematics-bs-cryptography-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-mathematical-sciences-bs-ms/>)

## Minors

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