

DEPARTMENT OF MATHEMATICS

The Department of Mathematics offers curricula which lead to the following undergraduate degrees: Bachelor of Science in Applied Mathematics, 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 Mathematics 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 Associate Professor
Mathematics
MS, Texas A&M University, 2005

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

Alonso, Ricardo, Instructional Associate Professor
Mathematics
PHD, The University of Texas at Austin, 2008

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

Austin, Amy L, Instructional Associate 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, Associate Professor
Mathematics
PHD, Universite De Besancon, 2010

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

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

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

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

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

Cantu, Justin, Instructional Assistant Professor
Mathematics
PHD, Texas A&M University, 2019

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

Cecchini, Simone, Assistant Professor
Mathematics
PHD, Northeastern University, 2017

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

Chen, Liwei, Instructional Assistant Professor
Mathematics
PHD, Washington University in St. Louis, 2015

Coffelt, Vanessa Lea, Senior 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, 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

Fisk, John, Lecturer
Mathematics
MA, University of Houston, 2018

Foran, Alexandra, Instructional Assistant Professor
Mathematics
PHD, Texas A&M University, 2018

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

Garcia, Bradford, Lecturer
Mathematics
BS, Texas A&M University-Commerce, 2016

Goncharuk, Nataliia, Assistant Professor
Mathematics
PHD, Institute for Information Transmission Problems, 2016

Gong, Sherry, Assistant Professor
Mathematics
PHD, Massachusetts Institute of Technology, 2018

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

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

Hening, Alexandru, Assistant Professor
Mathematics
PHD, University of California - Berkeley, 2013

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, Tingwen, Professor
Mathematics
PHD, Texas A&M University, 2002

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

Kilmer, Kendra R, Instructional Associate 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

Klein, Patricia, Assistant Professor
Mathematics
PHD, University of Michigan, 2018

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

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

Lamel, Bernhard, Professor
Mathematics
PHD, University of California, San Diego, 2000

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, Instructional Associate Professor
Mathematics
PHD, University of Oklahoma, 2012

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

Lin, Yuqing, Visiting Assistant Professor
Mathematics
PHD, The University of Texas - Austin, 2020

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

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

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

Luhmann, Jonas, Associate Professor
Mathematics
PHD, Eidgenössische Technische Hochschule Zürich, 2016

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

Manuel, David J, Instructional 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

Mir, Nordine, Professor
Mathematics
PHD, University of Rouen, France, 1998

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

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

Nguyen, Tung, Visiting Assistant Professor
Mathematics
PHD, University of Wisconsin - Madison, 2021
PHD, University of Wisconsin- Madison, 2021

Olvera, Hugo, Lecturer
Mathematics
MS, The University of Texas Pan American, 2014

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

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

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

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

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

Perales Anaya, Daniel, Visiting Assistant Professor
Mathematics
PHD, University of Waterloo, 2022

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

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

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

Ramsey, Heather L, Instructional 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

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

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

Schiellack 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, Instructional Associate Professor
Mathematics
MS, Texas A&M University, 2016

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

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

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

Siegel, Jonathan, Assistant Professor
Mathematics
PHD, University of California, Los Angeles, 2018

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

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

Soukiassian, Yeran M, Senior Lecturer
Mathematics
MS, American University of Beirut, 2007

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

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

Thicke, Kyle, Instructional Assistant Professor
Mathematics
PHD, Duke University, 2019

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

Trabelsi, Saber, Instructional Assistant Professor
Mathematics
PHD, Universidade Estadual de Campinas, 2010

Tran, Minh Binh, Associate Professor
Mathematics
PHD, Paris 13 University, 2011

VanKoughnett, Paul, Visiting Assistant Professor
Mathematics
PHD, Northwestern University, 2018

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

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

Wang, Jinmin, Visiting Assistant Professor
Mathematics
PHD, Fudan University, China, 2020

Wang, Kun, Lecturer
Mathematics
PHD, University of Puerto Rico, Rio Piedras, 2014

Weeks, John, Instructional Assistant Professor
Mathematics
PHD, Mathematics, 2022

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

Willis, Michael, Assistant Professor
Mathematics
PHD, University of Virginia, 2017

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

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

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

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

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

Yershova, Yuliia, Visiting Assistant Professor
Mathematics
PHD, Institute of Mathematics of National Academy of Sciences of Ukraine, 2015

Yoo, Youngho, Visiting Assistant Professor
Mathematics
PHD, Georgia Institute of Technology, 2022

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

Zhong, Suhan, Visiting Assistant Professor
Mathematics
PHD, University of California- San Diego, 2019

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

Zhu, Bo, Visiting Assistant Professor
Mathematics
MA, Peking University, 2016

Majors

- Bachelor of Science in Applied Mathematics, Actuarial Science Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-actuarial-science-emphasis/>)
- Bachelor of Science in Applied Mathematics, Biological Science Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-biological-science-emphasis/>)
- Bachelor of Science in Applied Mathematics, Computational Science Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-computational-science-emphasis/>)
- Bachelor of Science in Applied Mathematics, Cryptography Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-cryptography-emphasis/>)
- Bachelor of Science in Applied Mathematics, Economics Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-economics-emphasis/>)

- Bachelor of Science in Applied Mathematics, Math Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-math-emphasis/>)
- Bachelor of Science in Applied Mathematics, Statistics Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-statistics-emphasis/>)
- Bachelor of Science in Applied Mathematics and Master of Science in Mathematics, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/applied-mathematics-bs-ms/>)
- Bachelor of Arts in Mathematics (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/ba/>)
- Bachelor of Arts in Mathematics, Teaching Emphasis (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/ba-teaching-emphasis/>)
- Bachelor of Arts in Mathematics and Master of Science in Mathematics, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/ba-ms/>)
- Bachelor of Science in Mathematics (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/bs/>)
- Bachelor of Science in Mathematics and Master of Science in Mathematics, 5-Year Degree Program (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/mathematics/bs-ms/>)
- Bachelor of Science in University Studies, Mathematics for Teaching Concentration (<http://catalog.tamu.edu/undergraduate/arts-and-sciences/university-studies/mathematics-teaching-university-studies-bs/>)

Minors

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