DEPARTMENT OF MATHEMATICS

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, 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, 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

Boas, Harold P, 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, France, 2006

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

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

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

Devere, Ronald A, 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

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

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

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

Guerrmond, Jean-Luc, Professor
Mathematics
PHD, Sorbonne Universities, 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

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

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, 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

Landsberg, Joseph M, Professor
Mathematics
PHD, Duke University, 1990
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Larson, David R</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of California - Berkeley, 1976</td>
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<tr>
<td>Lazarov, Raytcho D</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Moscow, Russia, 1972</td>
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<tr>
<td>Lee, Sang Rae</td>
<td>Senior Lecturer</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Oklahoma, 2012</td>
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<td>Limafilio, Paulo C</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>State University of New York at Stony Brook, 1989</td>
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<td>Liu, Chun-Hung</td>
<td>Assistant Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Georgia Institute of Technology, 2014</td>
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<td>Liu, Wencai</td>
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<td>Mathematics</td>
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<td>Fudan University, 2015</td>
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<td>Luhrmann, Jonas</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Missouri, 2016</td>
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<td>Maier, Matthias Sebastian</td>
<td>Assistant Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Ruprecht-Karls Universitat Heidelberg, Germany, 2015</td>
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<td>Manuel, David J</td>
<td>Instructional Associate Professor</td>
<td>Mathematics</td>
<td>MS</td>
<td>Texas A&amp;M University, 1994</td>
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<td>Masri, Mohamad R</td>
<td>Professor</td>
<td>Mathematics</td>
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<td>University of Texas at Austin, 2005</td>
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<td>Matusevich, Laura F</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of California, Berkeley, 2002</td>
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<td>Ming, Shuang</td>
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<td>Mathematics</td>
<td>PHD</td>
<td>University of California Davis, 2019</td>
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<td>Narcowich, Francis J</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Princeton University, 1972</td>
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<td>Nekrashevych, Volodymyr</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Taras Shevchenko National University, Russia, 1998</td>
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<td>Onica, Constantin</td>
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<td>Mathematics</td>
<td>PHD</td>
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<td>Orchard, Patrick J</td>
<td>Lecturer</td>
<td>Mathematics</td>
<td>MS</td>
<td>Texas A&amp;M University, 2015</td>
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<td>Paouris, Grigoris</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Crete, 2004</td>
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<td>Papanikolas, Matthew A</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Brown University, 1998</td>
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<td>Pasciak, Joseph E</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Cornell University, 1977</td>
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<td>Pearlstein, Gregory J</td>
<td>Associate Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>UNIVERSITY OF MASSACHUSETTS AT AMHERST, 1999</td>
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<td>Pearlstein, Rosanna</td>
<td>Lecturer</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Massachusetts Amherst, 1998</td>
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<td>Petrova, Guergana R</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Southern Carolina, 1999</td>
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<tr>
<td>Pisier, Gilles</td>
<td>Distinguished Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Paris, 1977</td>
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<tr>
<td>Poltoratski, Alexei G</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>California Institute of Technology, 1995</td>
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<tr>
<td>Popov, Bojan D</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of Southern Carolina, 1999</td>
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<td>Procaccia, Eviatar B</td>
<td>Associate Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Weizmann Institute of Science, 2013</td>
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<td>Pun, Sai Mang</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>The Chinese University of Hong Kong, 2019</td>
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<td>Rahm Jr, Robert S</td>
<td>Instructional Assistant Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Washington University in St. Louis, 2017</td>
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<td>Ramsey, Heather L</td>
<td>Instructional Associate Professor</td>
<td>Mathematics</td>
<td>MS</td>
<td>Texas A&amp;M University, 2004</td>
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<td>Reihani, Kamran</td>
<td>Instructional Assistant Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>Tarbiat Modares University, 2005</td>
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<td>Rojas, Joseph M</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD</td>
<td>University of California, Berkeley, 1995</td>
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</table>
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
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PHD, Glasgow University, 1974

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

Schlumprecht, Thomas B, Professor
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Schrader, Todd W, Lecturer
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Sengupta, Sinjini, Instructional Assistant Professor
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Shi, Shuhui, Visiting Assistant Professor
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Shiu, Anne J, Associate Professor
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Small, Kenneth, Lecturer
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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, 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

Ventura, Emanuele, Visiting Assistant Professor
Mathematics
PHD, Aalto University, 2017

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

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

Ward, Joseph D, Professor
Mathematics
PHD, Indiana University, 1973

Whitfield, Jennifer G, Instructional Associate Professor
Mathematics
MS, Texas A&M University, 2000

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, Visiting 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/)