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. 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.

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

Devere, 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
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Degrees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foucart, Simon</td>
<td>Associate Professor</td>
<td>Mathematics</td>
<td>PHD, University of Cambridge, 2005</td>
</tr>
<tr>
<td>Fry, Erin K</td>
<td>Lecturer</td>
<td>Mathematics</td>
<td>MS, University Of Illinois Urbana Champaign, 1990</td>
</tr>
<tr>
<td>Fulling, Stephen A</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, Princeton University, 1972</td>
</tr>
<tr>
<td>Gao, Li</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, University of Illinois, 2018</td>
</tr>
<tr>
<td>Goswami, Souvik</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, University of Alberta, 2015</td>
</tr>
<tr>
<td>Grigorchuk, Rostislav</td>
<td>University Distinguished Professor</td>
<td>Mathematics</td>
<td>PHD, Moscow State University of Lomomosov, 1986</td>
</tr>
<tr>
<td>Guermond, Jean-Luc</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, Sorbonne Universites, 1995</td>
</tr>
<tr>
<td>Guo, Hao</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, The University of Adelaide, 2018</td>
</tr>
<tr>
<td>Gustafson, Robert A</td>
<td>Associate Professor</td>
<td>Mathematics</td>
<td>PHD, Yale University, 1979</td>
</tr>
<tr>
<td>Hanin, Boris L</td>
<td>Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, Northwestern University, 2014</td>
</tr>
<tr>
<td>Harper, Alicia</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, Brown University, 2018</td>
</tr>
<tr>
<td>Hensley, Douglas A</td>
<td>Senior Professor</td>
<td>Mathematics</td>
<td>PHD, University of Minnesota, 1974</td>
</tr>
<tr>
<td>Hester, Yvette C</td>
<td>Instructional Associate Professor</td>
<td>Mathematics</td>
<td>PHD, Texas A&amp;M University, 2000</td>
</tr>
<tr>
<td>Holmes, Irina</td>
<td>Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, Louisiana State University, 2014</td>
</tr>
<tr>
<td>Howard, Peter B</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, Indiana University, 1998</td>
</tr>
<tr>
<td>Jantsch, Peter Alan</td>
<td>Visiting Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, University of Tennessee, 2017</td>
</tr>
<tr>
<td>Johnson, Maya E</td>
<td>Lecturer</td>
<td>Mathematics</td>
<td>PHD, Texas A&amp;M University, 2015</td>
</tr>
<tr>
<td>Johnson, William B</td>
<td>University Distinguished Professor</td>
<td>Mathematics</td>
<td>PHD, Iowa State University, 1969</td>
</tr>
<tr>
<td>Jung, Junehyuk</td>
<td>Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, Princeton University, 2013</td>
</tr>
<tr>
<td>Kahlig, Joseph E</td>
<td>Instructional Assistant Professor</td>
<td>Mathematics</td>
<td>MS, Texas A&amp;M University, 1994</td>
</tr>
<tr>
<td>Kerr, David G</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, University of Toronto, 2001</td>
</tr>
<tr>
<td>Kilmer, Kendra R</td>
<td>Instructional Assistant Professor</td>
<td>Mathematics</td>
<td>MS, Texas A&amp;M University, 2003</td>
</tr>
<tr>
<td>Kim, Joung Dong</td>
<td>Instructional Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, State University of New York at Stony Brook, 2012</td>
</tr>
<tr>
<td>Kuan, Jeffrey</td>
<td>Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, Harvard University, 2015</td>
</tr>
<tr>
<td>Kuchment, Peter</td>
<td>University Distinguished Professor</td>
<td>Mathematics</td>
<td>PHD, Kharkov State University, Russia, 1973</td>
</tr>
<tr>
<td>Lahodny Jr, Glenn E</td>
<td>Instructional Assistant Professor</td>
<td>Mathematics</td>
<td>PHD, Texas Tech University, 2012</td>
</tr>
<tr>
<td>Landsberg, Joseph M</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, Duke University, 1990</td>
</tr>
<tr>
<td>Larson, David R</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, University of California - Berkeley, 1976</td>
</tr>
<tr>
<td>Lazarov, Raytcho D</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, University of Moscow, Russia, 1972</td>
</tr>
<tr>
<td>Lee, Sang Rae</td>
<td>Senior Lecturer</td>
<td>Mathematics</td>
<td>PHD, University of Oklahoma, 2012</td>
</tr>
<tr>
<td>Lewis, Jennifer L</td>
<td>Senior Lecturer</td>
<td>Mathematics</td>
<td>PHD, Ohio State University, 1980</td>
</tr>
<tr>
<td>LimaFilho, Paulo C</td>
<td>Professor</td>
<td>Mathematics</td>
<td>PHD, State University of New York at Stony Brook, 1989</td>
</tr>
</tbody>
</table>
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

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

Masri, Mohamad R, Associate Professor
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, Grigoris, 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 R, Professor
Mathematics
PHD, University of Southern Carolina, 1999

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

Poltoratski, Alexei G, Professor
Mathematics
PHD, California Institute of Technology, 1995

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

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

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

Ramsey, Heather L, Instructional Assistant 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, 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

Schielack 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
MS, Texas A&M University, 2016

Sengupta, Sinjini, Senior Lecturer
Mathematics
PHD, Florida State University, 2006
Shatalov, Oksana, Instructional Associate Professor
Mathematics
PHD, Technion - Israel Institute of Technology, 2001

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

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

Sivakumar, Natarajan, Associate Professor
Mathematics
PHD, University of Alberta, 1990

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

Tang, Xiaoxian, Visiting Assistant Professor
Mathematics
PHD, Peking University, Beijing, China, 2014

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

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

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

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

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

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

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

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

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

Yang, Tian, Assistant Professor
Mathematics
PHD, Rutgers University at New Brunswick, 2013
PHD, Rutgers, The State University of New Jersey, 2013

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

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

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

Yu, Shilin, Visiting Assistant Professor
Mathematics
PHD, Pennsylvania State University, 2013

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/bso)
• Bachelor of Science in Mathematics and Master of Science in Mathematics, 5-Year Degree Program (http://catalog.tamu.edu/undergraduate/science/mathematics/bm-sms)
• 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-mathematical-sciences-bs-ms)

Minors

• Mathematics Minor (http://catalog.tamu.edu/undergraduate/science/mathematics/Minor)