Mathematical Sciences

The Department of Mathematical Sciences offers a Bachelor of Science (BS) degree. The BS in Mathematics allows for concentrations in Applied Mathematics, Actuarial Sciences, Secondary Education (with teacher certification in either 7-12 Mathematics or 7-12 Mathematics/Physics), and Statistics.

Registration for each course in Mathematical Sciences (with a MATH or STAT prefix) requires a minimum grade of C in all prerequisite courses.

Advising
All undergraduate mathematics majors are required to consult with and have their enrollment approved by their undergraduate advisor before every enrollment.

Placement
Students who intend to register in the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 0311</td>
<td>Intermediate Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1319</td>
<td>Math in the Modern World</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1320</td>
<td>Math for Social Sciences I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1411</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1508</td>
<td>Precalculus</td>
<td>5</td>
</tr>
<tr>
<td>MATH 2301</td>
<td>Math for Social Sciences II</td>
<td>3</td>
</tr>
</tbody>
</table>

must present an official document at registration showing that they have either an adequate placement examination score or received a grade of C or better in the prerequisite course. Placement exam scores expire after five (5) years.

GPA Requirements
Mathematics majors must maintain a 2.0 GPA in all MATH and STAT courses (Students should refer to the Standards of Academic Performance (http://catalog.utep.edu/policies-regulations/attendance-grading/#text) section of this catalog.)

Prerequisites
All mathematics (MATH) or statistics (STAT) courses that have MATH or STAT prerequisites require a grade of C or better in the prerequisite course.

Chair
Maria Mariani (http://facultyprofile.utep.edu/default.aspx?ID=mcmariani)
Contact Information: mcmariani@utep.edu (mtcortez@utep.edu); 915-747-6861
Education: MS, Univ. of Buenos Aires; Ph D, Univ. of Buenos Aires; MS, Univ. of Buenos Aires

Professor
Behzad Djafari-Rouhani (http://facultyprofile.utep.edu/default.aspx?ID=behzad)
Contact Information: behzad@utep.edu; 915-747-6767
Education: Baccalaureat (High School Degree), Lycee franco-iraninen de Teheran; D.U.E.S. (Math-Physics), Universite Pierre et Marie Curie (Paris 6); Maîtrise de Mathematiques, Universite Pierre et Marie Curie (Paris 6); Ingenieur Civil des Mines, Ecole Nationale Superieure des Mines de Paris; Ph D, Yale University

Art Duval (http://facultyprofile.utep.edu/default.aspx?ID=aduval)
Contact Information: aduval@utep.edu; 915-747-6846
Education: BS, California Institute of Technology; Ph D, Massachusetts Institute of Technology

Joe Guthrie (http://facultyprofile.utep.edu/default.aspx?ID=jguthrie)
Contact Information: jguthrie@utep.edu; 915-747-6755
Education: BA, The University of Texas at Austin; MA, Texas Christian University; Ph D, Texas Christian University

Mohamed Khamsi (http://facultyprofile.utep.edu/default.aspx?ID=mohamed)
Contact Information: mohamed@utep.edu; 915-747-6763
Education: Ph D, University of Paris 6
Lawrence Lesser (http://facultyprofile.utep.edu/default.aspx?ID=lesser)
Contact Information: Lesser@utep.edu; 915-747-6845
Education: BA, Rice University; MS, The University of Texas at Austin; Ph D, The University of Texas at Austin

Ming-Ying Leung (http://facultyprofile.utep.edu/default.aspx?ID=mleung)
Contact Information: mleung@utep.edu; 915-747-6836
Education: BS, University of Hong Kong; M. Phil., University of Hong Kong; MS, Stanford University; Ph D, Stanford University

Maria Mariani (http://facultyprofile.utep.edu/default.aspx?ID=mcmariani)
Contact Information: mcmariani@utep.edu; 915-747-6861
Education: MS, Univ. of Buenos Aires; Ph D, Univ. of Buenos Aires; MS, Univ. of Buenos Aires

Osvaldo Mendez (http://facultyprofile.utep.edu/default.aspx?ID=osmendez)
Contact Information: osmendez@utep.edu; 915-747-6862
Education: Licenciado en Matematicas, Universidad Nacional de Rosario; Ph D, University of Minnesota; MS, University of Minnesota

Ori Rosen (http://facultyprofile.utep.edu/default.aspx?ID=orosen)
Contact Information: orosen@utep.edu; 915-747-6843
Education: BS, Technion; MS, Technion; ScD, Technion - Israel Institute of Technology

Emil Schwab (http://facultyprofile.utep.edu/default.aspx?ID=eschwab)
Contact Information: eschwab@utep.edu; 915-747-6758
Education: BS, West University of Timisoara; Ph D, Babeš-Bolyai University

Xiaogang Su (http://facultyprofile.utep.edu/default.aspx?ID=xsu)
Contact Information: xsu@utep.edu; 915-747-6860
Education: BS, Beijing Normal University; MS, University of California, Davis; Ph D, University of California, Davis

Mourat Tchoshanov (http://facultyprofile.utep.edu/default.aspx?ID=mouratt)
Contact Information: mouratt@utep.edu; 915-747-7668
Education: Specialist Degree, Turkmen State Pedagogical Institute; Candidate of Sciences Degree, Kazan State Pedagogical Institute; Ph D, Kazan State Pedagogical University

Amy Wagler (http://facultyprofile.utep.edu/default.aspx?ID=awagler2)
Contact Information: awagler2@utep.edu; 915-747-6847
Education: BS, The University of Texas of the Permian Basin; MS, Oklahoma State University; Ph D, Oklahoma State University

Piotr Wojciechowski (http://facultyprofile.utep.edu/default.aspx?ID=piotrw)
Contact Information: piotrw@utep.edu; 915-747-6774
Education: Ph D, Bowling Green State University

Associate Professor

Miguel Argaez (http://facultyprofile.utep.edu/default.aspx?ID=margaez)
Contact Information: margaez@utep.edu; 915-747-6775
Education: BS, Universidad del Valle; MS, Universidad Nacional; MA, Rice University; Ph D, Rice University

Hamide Dogan-Dunlap (http://facultyprofile.utep.edu/default.aspx?ID=hdogan)
Contact Information: hdogan@utep.edu; 915-747-6769
Education: Ph D, University of Oklahoma

Helmut Knaust (http://facultyprofile.utep.edu/default.aspx?ID=hknaust)
Contact Information: hknaust@utep.edu; 915-747-7002
Education: Diplom-Mathematiker, Rheinische Friedrich-Wilhelms Universitaet; Ph D, The University of Texas at Austin

Kien Lim (http://facultyprofile.utep.edu/default.aspx?ID=kienlim)
Contact Information: kienlim@utep.edu; 915-747-6772
Education: General Certificate of Education ‘A’ Level, Raffles Junior College, Singapore; BA, National University of Singapore; MS, University of Wyoming; Ph D, University of California San Diego & San Diego State University

Abhijit Mandal (http://facultyprofile.utep.edu/default.aspx?ID=amandal)
Contact Information: amandal@utep.edu; 915-747-8246
Education: MS, Indian Statistical Institute; Ph D, Indian Statistical Institute

Michael Pokojovy (http://facultyprofile.utep.edu/default.aspx?ID=mmpokojoyv)
Contact Information: mpokojovy@utep.edu; 915-747-6761
Education: Ph D, University of Konstanz

Naijun Sha (http://facultyprofile.utep.edu/default.aspx?ID=nsha)
Contact Information: nsha@utep.edu; 915-747-6844
Education: BS, Fudan University; MS, The University of Texas at El Paso; Ph D, Texas A&M University

Natasha Sharma (http://facultyprofile.utep.edu/default.aspx?ID=nssharma)
Contact Information: nssharma@utep.edu; 915-747-6858
Education: Ph D, University of Houston

Luis Valdez-Sanchez (http://facultyprofile.utep.edu/default.aspx?ID=lvsanchez)
Contact Information: lvsanchez@utep.edu; 915-747-6766
Education: BS, The University of Texas at El Paso; MA, University of California, Berkeley; Ph D, University of California, Berkeley

Son-Young Yi (http://facultyprofile.utep.edu/default.aspx?ID=syi)
Contact Information: syi@utep.edu; 915-747-6864
Education: Ph D, Purdue University

Assistant Professor

Ritwik Bhattacharya (http://facultyprofile.utep.edu/default.aspx?ID=ritwik)
Contact Information: ritwik@utep.edu;
Education: BS, University of Calcutta; MS, Indian Institute of Technology Kharagpur; Ph D, Indian Statistical Institute Kolkata

Anass Bouchnita (http://facultyprofile.utep.edu/default.aspx?ID=abouchnita)
Contact Information: abouchnita@utep.edu; 915-747-6759
Education: Ph D, Université Mohammed V de Rabat; Ph D, Université de Lyon

Suneel Babu Chatla (http://facultyprofile.utep.edu/default.aspx?ID=sbchatla)
Contact Information: sbchatla@utep.edu; 915-747-6764
Education: Ph D, National Tsing Hua University

Asim Kumer Dey (http://facultyprofile.utep.edu/default.aspx?ID=adey)
Contact Information: adey@utep.edu;
Education: BS, University of Dhaka; MS, University of Dhaka; MS, Lamar University; Ph D, The University of Texas at Dallas

Jonathon Mohl (http://facultyprofile.utep.edu/default.aspx?ID=jemohl)
Contact Information: jemohl@utep.edu; 915-747-6027
Education: MS, The University of Texas at El Paso; Ph D, The University of Texas at El Paso

Nilotpal Sanyal (http://facultyprofile.utep.edu/default.aspx?ID=nsanyal)
Contact Information: nsanyal@utep.edu; 915-747-6763
Education: BS, University of Calcutta; MS, University of Calcutta; Ph D, University of Missouri

Peimeng Yin (http://facultyprofile.utep.edu/default.aspx?ID=pyin)
Contact Information: pyin@utep.edu;
Education: Ph D, Iowa State University

Assistant Professor of Instruction

Vahid Mohebbi (http://facultyprofile.utep.edu/default.aspx?ID=vmohebbi)
Contact Information: vmohebbi@utep.edu;
Education: Ph D, University of Zanjan

Associate Professor of Instruction

Francisco Avila (http://facultyprofile.utep.edu/default.aspx?ID=favila2)
Contact Information: favila2@utep.edu; 915-747-8752
Education: MS, The University of Texas at El Paso; Ph D, New Mexico State University

Maria Beccar-Varela (http://facultyprofile.utep.edu/default.aspx?ID=mpvarela)
Contact Information: mpvarela@utep.edu; 915-747-8038
Education: MS, University of Buenos Aires; MS, The University of Texas at El Paso; MS, New Mexico State University; Ph D, New Mexico State University; ACUE Certificate in Effective College Instruction, THE ASSOCIATION OF COLLEGE AND UNIVERSITY EDUCATORS AND THE AMERICAN COUNCIL ON EDUCATION (ACUE and ACE)
Louise Guthrie (http://facultyprofile.utep.edu/default.aspx?ID=lguthrie)
Contact Information: lguthrie@utep.edu; 915-747-8908
Education: Ph D, New Mexico State University

Yin Lin (http://facultyprofile.utep.edu/default.aspx?ID=ylin4)
Contact Information: ylin4@utep.edu; 915-747-7001
Education: BS, Southern Arkansas University; BS, Southern Arkansas University; MS, UNIVERSITY OF LOUISIANA AT LAFAYETTE; MS, University of Louisiana at Lafayette; Ph D, UNIVERSITY OF LOUISIANA AT LAFAYETTE; Ph D, University of Louisiana at Lafayette

Andrew Pownuk (http://facultyprofile.utep.edu/default.aspx?ID=ampownuk)
Contact Information: ampownuk@utep.edu; 915-747-6759
Education: MS, Silesian Technical University Faculty of Mathematics and Physics; Postgraduate Study, Silesian University of Technology Faculty of Automatic Control, Electronics and Computer Science; School of English Language (1995-1999), British Council; Ph D, Silesian University of Technology; MS, University of Texas at El Paso; MS, University of Texas at El Paso; Ph D, University of Texas at El Paso

Senior Lecturer
Guillermo Heredia (http://facultyprofile.utep.edu/default.aspx?ID=gherediajr)
Contact Information: gherediajr@utep.edu; 915-747-8738
Education: BS, University of Texas at El Paso; MS, University of Texas at El Paso

Professor of Instruction
Julio Cesar Urenda Castaneda (http://facultyprofile.utep.edu/default.aspx?ID=jcurenda)
Contact Information: jcurenda@utep.edu; 915-747-7005
Education: BS, The University of Texas at El Paso; MS, The University of Texas at El Paso; Ph D, New Mexico State University; Ph D, New Mexico State University; MS, The University of Texas at El Paso

Programs
Bachelor of Science

- BS in Mathematics (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/mathematics-bs/)

Minor

- Minor in Mathematics (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/mathematics-minor/)
- Minor in Data Science (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/statistics-minor/)

Fast Track

- BS in Mathematics to MS in Mathematics (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-ms-math/)
- BS in Mathematics to MS in Statistics (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-ms-statistics/)
- BS in Mathematical Sciences to MBA (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-mba/)
- BS in Mathematical Sciences with Applied Mathematics Concentration to MBA (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-applied-conc-mba/)
- BS in Mathematical Sciences with Actuarial Concentration to MBA (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-actuarial-conc-mba/)
- BS in Mathematical Sciences with Data Science Concentration to MBA (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-stat-conc-mba/)
- BS in Mathematical Sciences to MS in Bioinformatics (http://catalog.utep.edu/undergrad/college-of-science/mathematical-sciences/fast-track/bs-math-ms-bioinformatics/)

The University of Texas at El Paso

Department of Mathematical Sciences

Bell Hall Building, Room 124

Phone: 915.747.5761

Email: mathdept@utep.edu

Visit Department Website (https://www.utep.edu/science/Academic%20Programs/Mathematical%20Sciences.html)