**Mathematical Sciences**

Return to: College of Science (http://catalog.utep.edu/undergrad/college-of-science/)

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>Pre calculus</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=iguthrie)
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, Babeș-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=mpokojovy)
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=nnsharma)
Contact Information: nnsharma@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)
Mathematical Sciences

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)