

Department of Mathematics

**Master of Science Degree
in**

Applied Mathematics-Industrial Mathematics

<http://math.utsa.edu/academics/applied-industrial-mathematics/>

How to Apply to the M.S. Program?
The application form is on-line at
<http://www.utsa.edu/graduate>

A. The M. S. Degree Program in Applied Mathematics-Industrial Mathematics

Developed in Consultation with Industry Leaders, the Program educates students to:

- Study marketable areas of mathematics
- Solve real-world problems
- Efficiently communicate their knowledge in mathematics and science at all levels
- Prepare for leadership positions in the field

B. Admission Requirements

- Bachelor's degree in mathematics, science, engineering, or a related field
- Have taken Calculus I and II, Linear Algebra and an upper-division math course
- Three letters of recommendation
- A résumé and GRE scores

C. Degree Requirements. Completion of 36 semester credit hours; Review of adjustments or waivers to requirements on a case-by-case basis

- 9 semester credit hours:
AIM 5113 Introduction to Industrial Mathematics
MAT 5283 Linear Algebra and Matrix Theory
AIM 6943 Internship and Research Project
- 18 semester credit hours of mathematics electives.
- 3 semester credit hours of electives from courses in science and engineering.
- 6 semester credit hours selected from coursework in communications, leadership skills, and business principles.

D. Internship/Career Opportunities exist in industry. Visit online at
<http://math.utsa.edu/resources/>
<http://www.nsa.gov/>,
<http://www.lockheedmartin.com/careers>,
<http://www.mathjobs.org/jobs>,
<http://www.utsa.edu/careercenter/>,
<http://sciencecareers.sciencemag.org/>,
<http://www.careercornerstone.org/pdf/math/math.pdf>, etc.

E. Teaching Assistantships are available and application forms can be downloaded at
<http://math.utsa.edu/resources/teaching-assistantship/>.

F. Faculty Areas of Specialization include:

Cryptography
Numerical Analysis
Differential Equations
Scientific Computing
Medical Imaging
Mathematical Biology
Quality Assurance
Random Matrix Theory
Computability and Logic
Architecture and Urbanism
Hybrid Systems
Space Weather
Dynamical Systems
Semiconductor Modeling

For more information, contact:

Department of Mathematics
University of Texas at San Antonio
One UTSA Circle
San Antonio, TX 78249

Phone: (210) 458-5735

Fax: (210) 458-4439

Email: Brenda.Lujan@utsa.edu

or

Dr. Youn-Min Chou

Graduate Advisor

Office: 4.01.17 FLN Science Building

Email: ychou@utsa.edu

Phone: (210) 458-5552