



APPLIED
MATHEMATICS
ENGINEERING BUSINESS ACTUARIAL SCIENCES LAW ENGINEERING COMPUTER MECHATRONICS
BUSINESS ADMINISTRATION FINANCIAL STRATEGY MATHEMATICS POLITICAL SCIENCE ENGINEERING INDUSTRIAL ENGINEERING

ITAM

RELATIONSHIPS ACCOUNTING A

THE BEST EDUCATION

The tools that will guide you on your way

ITAM's undergraduate program in Applied Mathematics is the first of its type to have been created in Mexico. Its goal is to prepare professionals who can apply mathematical methods and techniques to the study of and the systemic solution to real problems.

Contrary to common thought, studying Applied Mathematics does not confine your professional future to academia and research. All industries increasingly require the power of mathematical reasoning, analysis, effective solution of problems, and the mathematical ability for timely and precise numerical methods.

Its strong scientific component will allow you to face complex problems as well as command new technologies rather quickly. Due to its interdisciplinary nature, you will acquire the knowledge and the necessary communication skills to collaborate clearly and effectively with professionals in other fields.

These are some of the tasks performed by applied mathematicians:

- Valuation and design of financial instruments. Building optimal investment and hedging strategies.
- Analysis of statistical data for the following studies: marketing public surveys, and electoral processes as well as in the design and evaluation of social programs.
- Control and improvement of productive, administrative, and service processes.
- Simulation of systems, logistics, operations research, and industrial experiments.
- Construction of economic models. Time series analysis for econometric forecasting. Management of governmental statistics.
- Successfully achieving of environmental studies, ecological balance and sustainable development, supply and demand forecasting, and also of energy and natural resources.

Your path to growth at ITAM

Our undergraduate program offers you a solid mathematical education complemented by an important component of humanistic, social, and interdisciplinary education. This will allow you to graduate as a mathematician who can adapt more to the current social environment with greater possibilities of professional development and better communicative skills with professionals of other fields.

In addition, the program is very flexible in that after the first half you can choose from numerous elective courses which will allow to direct your studies toward different fields of application, e.g., Statistics, Computer Science, Finance, Economics, Industrial Mathematics, among others.

Its flexibility will also offer the possibility to pursue two undergraduate degrees concurrently, thereby obtaining two professional degrees by only studying a few extra semesters.

You will also have the opportunity to take courses abroad. ITAM has agreements with more than 80 universities in the United States, Canada, and many countries in Europe and Latin America.

During your stay at ITAM, you will also find that there are various extracurricular activities including academic and social events organized by students as well as conferences organized by the academic departments. For example, Mathematics and Statistics will enlighten you with the current state of research, both original and applied, to problem solving in various fields.

EXCELLENCE

The professors that will guide you on your career path

Our full-time faculty is considered by its size and quality as one of the best in Mexico and is without a doubt the best among private universities of higher learning.

Most of our professors hold a PhD degree and more than a third are members of the National System of Researchers. Their academic work is widely recognized by both the national and international scientific communities.

The size of our institution allows you to receive daily personalized attention from our full-time faculty.

They are committed to dedicating their time to their students, but they actually provide you more than this. Through their dedication and undoubtable academic training, you will discover your growth, scientific and academic, as well as personal and professional, will continue to flourish immensely and permanently outside of the classroom.

EXPERIENCE

Resources offered by ITAM

Our university offers the services and facilities to optimize your personal and academic development.

Student Life

Reflecting our institutional values, ITAM supports serious and committed student publications and activities.

Financial Aid

ITAM is committed to providing a vast program of academic scholarships and grants, complemented by a loan program. Find the best option for you at www.becas.itam.mx



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Library

You will have access to a comfortable and modern library providing the necessary bibliographical support to accomplish your work: millions of journal articles, newspapers and books from online sources, access to the most important academic databases, course textbooks, and a collection of approximately 400,000 printed materials, among other services. www.biblioteca.itam.mx

Technology

You will have the necessary technological infrastructure to better accomplish your studies: Internet, Wi-Fi, computer rooms, and access to the world's best information systems.

Social Commitment

ITAM is fully aware of its commitment to society and as such it is an active participant in community help programs. www.compromiso.itam.mx

Our community also supports our stellar students so that they can finish their studies. www.donar.itam.mx

Sports

ITAM organizes and promotes sport events by consulting and providing training in the various sports that our students desire to participate in. You will have at your disposal the following sport facilities: indoor soccer, basketball and volleyball courts, a gym with weightlifting and cardio equipment, showers, lockers, as well as a multi-purpose room where aerobics, dance, and yoga classes are held. ITAM has indoor soccer, football, rugby, and basketball teams. www.deportes.itam.mx



ACHIEVEMENT

The fulfillment of your professional goals

The job market for Applied Mathematics graduates is vast and diverse. The job offers outnumber by far the graduates and come from a variety of institutions and companies, both public and private.

Likewise, graduates who have decided to continue their education in mathematics or in other fields are accepted in and frequently receive financial aid from the world's most prestigious universities.

Our graduates have been successful in

- The national and international financial sector: banks, brokerage houses, insurance companies, financial consulting firms and mutual funds.
- Various consulting, market research, and public opinion companies. Some of these are managed and some have even been created by our graduates.
- The public sector: Secretaries of State, decentralized bodies and public companies: BANXICO, NAFINSA, INEGI, PEMEX, CONSAR, among others.
- Companies and industries of diverse areas, e.g., chemical, pharmaceutical, automobile, food-processing, communication, computing, among others.
- Universities, institutes and research centers both in Mexico and abroad.



TAKE THE FIRST STEP TODAY

Contact the Director of the Undergraduate Program in
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