



TELECOMMUNICATIONS  
ENGINEERING  
APPLIED MATHEMATICS  
BUSINESS ADMINISTRATION  
ENGINEERING  
INDUSTRIAL  
BUSINESS ADMINISTRATION  
MECHATRONICS  
ENGINEERING  
COMPUTER  
ENGINEERING

**ITAM**

POLITICAL SCIENCE  
SCIENCE  
M

# THE BEST EDUCATION

## The tools that will guide you on your way

Why study the undergraduate program in Telecommunications Engineering at ITAM?

Every day, telecommunications have become increasingly important for people, companies, and countries. They foster social and economic development; improve health, education, and government services; stimulate job creation; contribute to the care of the environment, among other benefits. Therefore, it is impossible to picture the present or future without telecommunications.

The undergraduate program in Telecommunications Engineering is very original. Its approach consists of an interdisciplinary nature of engineering, the only one of its kind in Mexico, which responds to the way telematic engineering has changed. In this program, besides giving you a comprehensive technological foundation, we also emphasize the economy, regulations and the management of telecommunications, essential tools for someone who will run a telecommunications' department or company.

Upon completing our interdisciplinary program, you will develop the skills making you stand out as a professional, a highly sought after engineer who is able to successfully run his/her career in companies in the telecommunications industry, governmental organizations or in economic activities, both in Mexico and abroad.

The career paths at ITAM that will lead to your growth

At ITAM every student gets personal attention from its faculty, which will undoubtedly complement their education. As an ITAM student, you will have the opportunity to participate in various activities that will enrich your experience beyond the classroom by collaborating with your professors in research projects and by taking part in contests, namely, Robotics, Mathematics, and Computing.

If you wish, you also have the option to pursue two undergraduate programs concurrently, thereby obtaining two professional degrees by only studying a few extra semesters. Furthermore, you also have the opportunity to take some courses abroad thanks to ITAM's Exchange Program which has more than 80 agreements with the world's best universities.



# EXCELLENCE

## The professors that will guide you on your career path

The full-time faculty holds masters and PhD degrees from the world's best universities, thereby guaranteeing that you will receive a top-notch professional education.

Our professors are dedicated to both teaching and the development of research projects and technology. Their publications have had an important academic impact since many of the books are used in other Mexican universities and in other countries. They all have a true dedication to academia and are committed to achieving that every student receives the best preparation in their field.

# 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](http://www.becas.itam.mx)



## 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](http://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](http://www.compromiso.itam.mx)

Our community also supports our stellar students so that they can finish their studies. [www.donar.itam.mx](http://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](http://www.deportes.itam.mx)



# ACHIEVEMENT

## The fulfillment of your professional goals

What does an ITAM telecommunications engineer do?

This interdisciplinary program will allow you to learn and work in the fields that are shaping society, namely, converged networks, mobile voice and data communications, digital services, e.g., e-commerce and e-government, telemedicine, tele-education, automated transportation systems, banking, virtual reality, and robotics.

Upon completing this interdisciplinary program, you will be able to

- Succeed in governmental organizations, as well as in regulatory, financial, and administrative areas of telecommunications companies.
- Contribute to solving social problems regarding the lack of services available at affordable prices for the majority of the population in Mexico and in the world.
- Continue your studies at the graduate level in technological fields for example in economics, law, and business at highly prestigious international universities.

Furthermore, our graduates' comprehensive training has allowed them to study graduate degrees and work in any country they wish. More than a third have decided to do so, and this is due to using ITAM as their platform. Our graduates have continued their studies in universities, such as MIT, Stanford, Carnegie Mellon, Cornell, Cambridge, Essex, Edinburgh, Aachen, München, Dresden, Delft, as well as the Political Institutes of Bretagne and Zürich.

Due to ITAM's training, its successful job placement office, and the prestige of its alumni, graduates will receive numerous job offers both in telecommunications and information technology businesses as well as in government organizations and companies utilizing telecommunications in their practice.

As a student at ITAM, you will join a select group with the skills to respond to the needs of our world as well as the abilities to integrate their multidisciplinary knowledge in the fields of technology and business.



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**TELECOMMUNICATIONS ENGINEERING**