Tecnológico de Monterrey

ITC/ BCT
B.S. in Computer Science and Technology

Design the algorithms of the future.

Why study this program at Tec?

From your first semester, you'll dive into an environment where you'll solve complex problems through digital solutions. You'll learn to design and develop software, algorithms, intelligent systems, and emerging technologies that transform industries and improve people's lives.

- **Explore artificial intelligence, high-performance computing, cybersecurity, and more.**

Is this your path?

If you're passionate about computers, technology, programming, and dream of creating software, apps, or intelligent video games that make the world better...

ITC at Tec is your platform to make it happen!

Imagine this:

Developing an educational video game, collaborating with Google on AI projects, working from anywhere in the world as a software engineer, or launching your own tech startup.

At Tec, that future begins today.



What makes this program unique at Tec

- High and fast employability in Mexico and abroad.
- Internships and industry placements at Microsoft, Meta, Google, Apple, and more.
- National and international certifications.
- Double-degree options with universities in the United Kingdom, France, Germany, and the United States.
- Professors with real-world experience in the global tech industry.
- Our graduates reflect a strong international outlook: 60% work at global companies, and 40% are based outside Mexico.

A world of career possibilities

Software development, artificial intelligence, cybersecurity, tech consulting, video game programming, computational research, augmented reality, automation, tech entrepreneurship, or remote work for international companies.





Skills you'll develop:

You'll solve problems with computational tools, model data for decision-making, develop software under high-quality standards, implement secure technological infrastructure, and act with ethics, sustainability, and global leadership.

Be part of something bigger

#60 in Computer Science & Information Systems — Top 10% worldwide (QS 2026)

Programs and stays at UT Austin, Carnegie Mellon, MIT, Harvard, and more

Partnerships with leading companies: Microsoft, Google, Meta, Uber, among others

Check which campuses offer this program at tec.mx

The voices of those already making an impact

- ITC students won the AI for Good Challenge in Costa Rica with their AI-based social impact technology proposal.
- Harvard Medical School: development of cutting-edge technology for medical research.

A glimpse of how our community creates impact with its talent.

Your talent is already connected. Here, you learn to turn it into solutions.

Take the first step toward technology that changes realities.

Tecnológico de Monterrey

Curriculum
B.S. in Computer Science and Technology

1ST SEMESTER
- Elective Course Mathematics and Science
- Differential and Integral Calculus
- Programming Fundamentals
- Innovative Perspectives in Engineering
- The Laws of Motion and Conservation
- Tec Week: Induction to the Social Service
- Tec Week Elective I

2ND SEMESTER
- Elective Course Humanities and Fine Arts
- Multivariable Calculus
- Discrete Mathematics
- Object Oriented Programming
- Exploration Topic
- Statistics and Data Handling
- Matrix Algebra and Numerical Methods
- Foreign Language
- Tec Week Elective II
- Tec Week Elective III

3RD SEMESTER
- Elective Course Social and Behavioral Sciences
- Data Structures
- Biology and Sustainability
- Fundamentals of Differential Equations
- Multivariate Analysis
- Electricity and Magnetism
- Internet of Things Fundamentals and Applications
- Operating Systems
- Tec Week Elective IV
- Tec Week Elective V

4TH SEMESTER
- Elective Course Leadership, Entrepreneurship and Innovation
- Advanced Algorithm Analysis and Design
- Software Engineering Fundamentals
- Networks Fundamentals
- Computer Graphics and Game Development
- Web Development and Databases
- Disciplinary Tec week
- Tec Week Elective VI

5TH SEMESTER
- Elective Course Ethics and Citizenship
- Computational Theory and Programming Languages
- Mathematical Foundations for Artificial Intelligence
- Advanced Networking
- Mobile Applications Design and Development
- Artificial intelligence
- Tec Week: Professional Life Planning
- Tec Week Elective VII

6TH SEMESTER
TEC SEMESTER

You'll be able to customize your career through:
- Concentrations
- Internships
- International experience
- Elective training units

- Tec Week Elective VIII
- Tec Week Elective IX

7TH SEMESTER
- Languages and Compiler Design
- Fundamentals of Machine Learning
- Quantitative Methods and Data Science
- Cloud Computing
- Emerging Computing Technologies
- Cybersecurity
- Advanced Artificial Intelligence
- Tec Week Elective X
- Tec Week Elective XI

8TH SEMESTER
- Elective Multidisciplinary Professional
- Bloque de integración: Software Engineering
- Tec Week: Strategies and Guides for the Final Degree Exam
- Tec Week Elective XII

● You'll be able to customize your learning experience by choosing from the different available options.

*The curriculum may vary. Contact an admissions advisor or visit **tec.mx** for more information.

BACHELOR

This program is also offered in English as:
B.S. in Computer Science and Technology.

Want more info?

Your future in COMPUTER SCIENCE AND TECHNOLOGY starts here.

WHY NOT?

Scan this QR to know more about this program.
tec.mx/itc

RVOE: DEC-520912