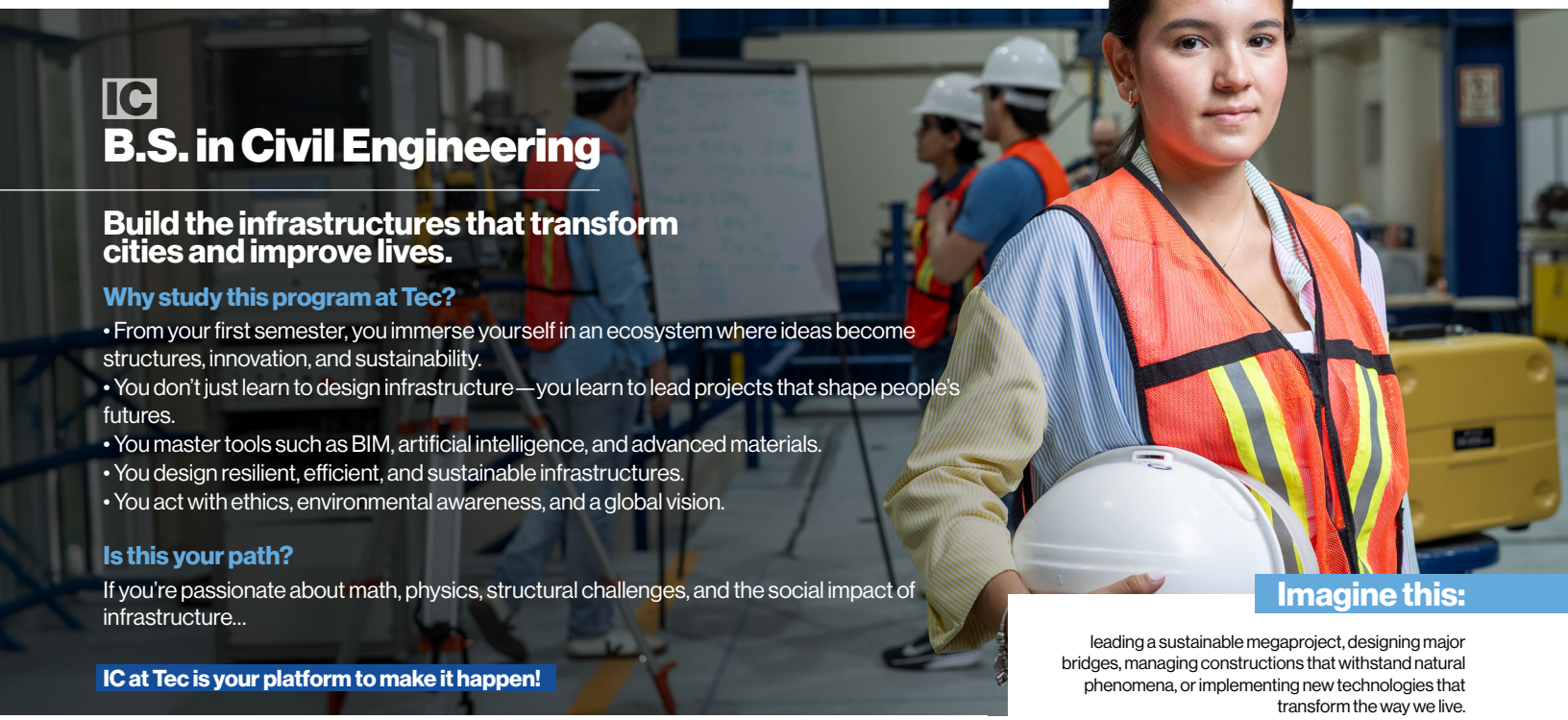
Tecnológico de Monterrey



IC

B.S. in Civil Engineering

Build the infrastructures that transform cities and improve lives.

Why study this program at Tec?

- From your first semester, you immerse yourself in an ecosystem where ideas become structures, innovation, and sustainability.
- You don't just learn to design infrastructure—you learn to lead projects that shape people's futures.
- You master tools such as BIM, artificial intelligence, and advanced materials.
- You design resilient, efficient, and sustainable infrastructures.
- You act with ethics, environmental awareness, and a global vision.

Is this your path?

If you're passionate about math, physics, structural challenges, and the social impact of infrastructure...

IC at Tec is your platform to make it happen!

Imagine this:

leading a sustainable megaproject, designing major bridges, managing constructions that withstand natural phenomena, or implementing new technologies that transform the way we live.

At Tec, that future starts today.



What makes this program unique at Tec:

- Partnerships with strategic allies such as CEMEX, Grupo ICA, and CMIC.
- Access to cutting-edge technology and methodologies like Lean Construction.
- Employment rate above 90%, with national and international opportunities.
- Global stays at top universities such as ETH Zurich, Delft, and Stanford.

You'll be part of something bigger

- Ranked #101–150 in the world for Civil and Structural Engineering (QS 2026)
- Dual degrees with Essex, RWTH Aachen, Macquarie, and UQueensland
- International student chapters such as ASCE and ACI
- Awards in competitions like Steel Bridge, Geomuros, and ASCE Leadership
- Check which campuses offer this program at tec.mx

Your career path has endless routes. Here are some:

Construction and real estate companies, structural design, hydraulic infrastructure, mobility and transportation, environmental consulting, urban development and public policy, applied research, public and private construction projects.



The voices of those already making an impact

- **Antonio Cosío Ariño** – Prominent entrepreneur and founder of Fundación Brisas.
- **Ana Patricia Cia Egli** – Regional Construction Manager at HELLA.
- **Héctor Flores Medina** – Director at Montreal Infraestructura.
- **Ana Sofía Razo** – Winner of the 2024 Water Disruption Hackathon with a solution for smart hydraulic infrastructure.inteligente.

A glimpse of how our community creates real impact.



Skills you will develop:

You will manage construction projects with state-of-the-art technology, design sustainable structures and infrastructures, drive innovation across the industry, and lead multidisciplinary teams with an ethical and social focus.

Your story already has its foundations. Here, you'll learn to build the future.

Take the first step toward engineering that transforms.

Tecnológico de Monterrey

Curriculum
B.S. in Civil Engineering

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

SEMESTER 2
- Elective Course Humanities and Fine Arts
- Multivariable Calculus
- Linear Algebra
- Chemistry Fundamentals
- Exploration Topic
- Statistics and Data Handling
- Fundamentals of Thermodynamics
- Foreign Language
- Tec Week Elective II
- Tec Week Elective III

SEMESTER 3
- Elective Course Social and Behavioral Sciences
- Fundamentals of Mechanics
- Differential Equations
- Numerical Methods
- Geomatics
- Geology
- Tec Week Elective IV
- Tec Week Elective V

SEMESTER 4
- Elective Course Leadership, Entrepreneurship and Innovation
- Mechanics of Solids
- Sustainable Urban Mobility
- Construction Materials and Procedures
- Hydrology
- Disciplinary Tec week
- Tec Week Elective VI

SEMESTER 5
- Elective Course Ethics and Citizenship
- Hydraulics
- Structural Analysis
- Construction Costs
- Soil Mechanics and Foundation Design
- Tec Week: Professional Life Planning
- Tec Week Elective VII

SEMESTER 6
- Construction Project Management
- Water Supply and Drainage Systems
- Concrete Structures
- Highway Engineering
- Construction Planning and Modeling
- Tec Week Elective VIII
- Tec Week Elective IX

SEMESTER 7
- Transportation Engineering
- Special Structures
- Steel Structures
- Entrepreneurship in Construction Industry
- Sustainable Water Management
- Tec Week Elective X
- Tec Week Elective XI

SEMESTER 8
TEC SEMESTER

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

- Tec Week Elective XII
- Tec Week Elective XIII

SEMESTER 9
- Elective Multidisciplinary Professional
- Structural Design Capstone Project
- Civil Engineering Capstone Project
- Tec Week: Strategies and Guides for the Final Degree Exam
- Tec Week Elective XIV

● 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.

Your future in CIVIL ENGINEERING starts here.

Want more info?

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

WHY NOT?

RVOE: DEC-520912