Tecnológico de Monterrey

ITD

B.S. in Digital Business Transformation

Transform businesses with agility for a digital world.

Why study this program at Tec?

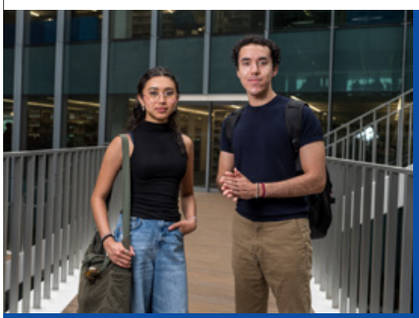
From your first semester, you'll immerse yourself in the digitalization of the business world. You'll learn to transform processes, integrate emerging technologies, analyze data, and manage organizational change.

- **You'll design information architectures, lead technology adoption, and create value with a strategic and human-centered mindset.**
- **With ITD, you become a bridge between business needs and their digital future.**

Is this your path?

If technological innovation excites you, you're curious about how organizations operate, and you want to lead their digital evolution...

ITD at Tec is your platform to make it happen!



What makes this program unique at Tec

- A one-of-a-kind program in Mexico with a holistic focus: technology, strategy, and change management.
- Double-degree options with universities in France, the United Kingdom, and Spain.
- Partnerships with global leaders such as SAP, Microsoft, KPMG, Deloitte, and IBM.
- 100% employability thanks to its practical approach and business vision.
- Opportunities to study at top universities like UC Berkeley, UBC, or Carnegie Mellon.
- Certifications, international internships, and real-impact projects.



A career field with endless routes:

- Digital transformation consulting
- Data management and business intelligence
- Technology leadership (CTO)
- Innovation and tech entrepreneurship
- Organizational cybersecurity
- Enterprise architecture and cloud platforms



Skills you'll develop:

You'll solve problems with advanced digital tools, apply data analytics models, develop strategies for organizational transformation, and lead change initiatives with economic, social, and environmental impact—all with an ethical, critical, and sustainable perspective.



Imagine this:

Creating AI solutions that enhance customer relationships. Leading the digital transformation of small businesses. Designing tech platforms for emerging companies.

At Tec, that future begins today.

Be part of something bigger

- Direct partnerships with leading companies in technology and business
- International opportunities at top universities in Germany, Canada, Australia, and the U.S.
- Check which campuses offer this program at tec.mx

The voices of those already making an impact

Our graduates are already leading projects on digital transformation teams at some of the world's most prestigious consulting firms.

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

Transform the business world—one digital solution at a time.

Take the first step toward innovation that creates value.

Tecnológico de Monterrey

Curriculum
B.S. in Digital Business Transformation

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
- Data Architecture and Usage
- Tec Week Elective IV
- Tec Week Elective V

4TH SEMESTER
- Elective Course Leadership, Entrepreneurship and Innovation
- Business Perspective and Organizational Behavior
- Analysis of Financial Decisions
- Innovation and Digital Entrepreneurship
- Analysis of Processes and Business Architectures
- IT Project Management
- Disciplinary Tec week
- Tec Week Elective VI

5TH SEMESTER
- Elective Course Ethics and Citizenship
- Software Engineering Fundamentals
- Business Technologies
- Data Governance
- Networks Fundamentals
- Organizational Change and Agile Teams
- Data Exploration and Predictive Analysis
- 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
- Risk Management and Cybersecurity
- Cloud Ecosystems and Platforms
- Artificial Intelligence and Business
- Data Narrative for Strategic Decision Making
- Strategic Management and IT Governance
- Tec Week Elective X
- Tec Week Elective XI

8TH SEMESTER
- Elective Multidisciplinary Professional
- Digital Transformation Capstone
- 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.

Want more info?

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

Your future in *DIGITAL BUSINESS TRANSFORMATION* starts here.

WHY NOT?

RVOE: DEC-520912