Tecnológico de Monterrey

LBC

B.A. in Biosciences

Transform life through science.



Why study this degree at Tec?

From your very first semester, you take part in real biomedical projects, collaborate with leading researchers, and apply cellular and molecular biology, clinical research, data science, and artificial intelligence to improve quality of life around the world.

- **This program is unique in the country** for its focus on real-world challenges.
- **Strong connections** with world-class institutions.

Is this your path?

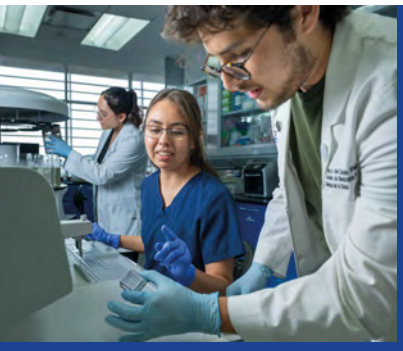
If you're passionate about natural sciences, biomedical research, and dream of discovering treatments, devices, or technologies that improve lives...

Biosciences at Tec is your platform to make it happen.

Imagine this:

Researching new cancer therapies, discovering treatments for heart disease, or launching your own science-based venture that transforms healthcare in your country.

At Tec, that future starts today.



What makes this program unique at Tec:

- The first program in Mexico focused on research, management, and innovation challenges in health.
- Collaboration with research groups from Mexico's National Institutes of Health.
- International research stays at institutions such as Harvard, McGill, and Houston Methodist.

Here, you're part of something bigger:

- Partnerships with leading institutions such as Houston Methodist and Harvard
- Access to Tec's laboratories, clinics, and research institutes
- International opportunities at top universites around the world
- Academic pathways to graduate programs in Biomedical Sciences at Tec
- Check which campuses offer this program at **tec.mx**

Your career field is full of possibilities. Here are some:

- Biomedical research groups at universities or clinical centers
- Diagnostic and personalized medicine laboratories
- Pharmaceutical companies
- Biomedical research services companies
- Science-based startups in health and wellness



Voices of those already making an impact:

Alejandra Valdivia, a Biosciences graduate from the Monterrey campus, researches regenerative therapies for spinal cord injuries at Weill Cornell Medicine. She has collaborated with Harvard and UC San Diego and was recognized with the Borrego de Oro and the Universitas 21 Student Speaker Award.

A glimpse of how our graduates leave their mark through talent.



Skills you'll develop:

- Become a professional capable of explaining, preventing, and treating human conditions from their molecular and cellular foundations.
- Analyze biomedical data using digital tools, manage laboratory resources, and design projects that improve individual and public health.
- Develop an ethical, scientific, and sustainable perspective on healthcare challenges.

Your scientific curiosity can save lives.

Take the first step toward science that transforms the world.

Tecnológico de Monterrey

Curriculum
B.A. in Biosciences

SEMESTER 1
- Elective Course Mathematics and Science
- Cellular and Metabolic Processes
- Person-Centered Care
- Genetics and Genomic Basis
- Public Health
- Introduction to Health Sciences
- Wellbeing
- Health Determinants
- Induction to the Social Service
- Tec Week Elective I

SEMESTER 2
- Elective Course Humanities and Fine Arts
- Basic Structure and Function
- Homeostasis and Regulation of Body Processes
- Research and Data Analysis in Health Sciences
- Exploration Topic
- Healthy Life Course
- Academic English
- Tec Week Elective II
- Tec Week Elective III

SEMESTER 3
- Elective Course Social and Behavioral Sciences
- Methodology and Biostatistics
- Human Cellular Biochemistry
- Biomedical Experimentation
- Applied Molecular Medicine
- Tec Week Elective IV
- Tec Week Elective V

SEMESTER 4
- Elective Course Leadership, Entrepreneurship and Innovation
- Medical Microbiology
- Functional Anatomy
- Medical Genetics
- Pharmacotherapy
- Immunobiology
- Genomic Medicine
- Translational Medicine
- Disciplinary Tec week
- Tec Week Elective VI

SEMESTER 5
- Elective Course Ethics and Citizenship
- Data Analysis in Biosciences
- Physiopathological Processes
- Normal and Pathological Microstructure
- Ethics and Biomedical Management
- Oncogenesis
- Cardiometabolic Diseases
- Neurological Disorders
- Professional Life Planning
- Tec Week Elective VII

SEMESTER 6
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

SEMESTER 7
TEC SEMESTER

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

- Tec Week Elective X
- Tec Week Elective XI

SEM. 8
- Elective Multidisciplinary Professional
- Biosciences Entrepreneurship
- 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.

Your future in BIOSCIENCES starts here.

Want more info?

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

WHY NOT?

RVOE: DEC-520912