

+ Building Connections



Experience

Technology

ITBA 4.0



+

+

+ Innovation

Integration



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About us:

ITBA

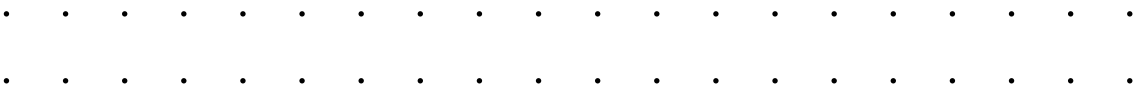
Instituto Tecnológico de Buenos Aires is a private university located in Argentina exclusively devoted to the training of professionals and knowledge development in Engineering, Technology and Management, thus standing out as the only institution in the country with this specific profile.

With a **history of over 63 years**, from the very beginning, the Institute has sought to be in contact with companies, entrepreneurs, the public sector, as well as educational, research and innovation organizations, as a basis for further positively expanding its impact and meeting the challenges posed by today's world, which we are called to respond to.

Organized as a **Foundation** and, therefore, a non-profit organization, the institute reinvests all resources in the activities it carries out.



- *Unique profile in Engineering, Technology, and Management*
- *Customized Education and Coexistence*
- *Academic Excellence in Training and Research*
- *Founded in 1959*



A History of Achievements, Laying the Foundations for the Future

+

The Instituto Tecnológico de Buenos Aires has a history and a present time that condense great achievements as regards teaching and research in Argentina and the world, which represent the starting point for the Future we are building.

More than 63 years ago, on the initiative of Admiral Carlos Garzoni, ITBA was a pioneer in providing a new academic alternative for the training of highly qualified professionals, who have kept pace with the growth and challenges of society during these six decades. Hence, it has become **Argentina's first private lay University.**

From the very beginning, ITBA was shaped as a private, non-profit, educational institution with a **distinctive profile**, entirely devoted to training and knowledge development on Engineering, Technology, and Management.



Our institution developed a **unique educational model**, combining a **demanding and customized learning experience** for every single student, with an **early approach to the corporate and entrepreneurial world**. Evidence of it are our Alumni, who hold relevant positions in companies all over the world or have created various Argentinian unicorns, today part of many technology developments we use in our everyday life. The path to make it possible has always led us to push the limits and make innovative as well as creative decisions.

Welcome!

Eng. Arturo Acevedo
President
Administration Board

ITBA 4.0

Objectives

As Chancellor of the Instituto Tecnológico de Buenos Aires, I am pleased to introduce this new milestone in this university's history: ITBA 4.0.

Ahead lies a bright future that we are creating today. It will bring about great achievements for all of us, members of the ITBA Community: students, teachers, researchers, collaborators, alumni, donors, allies, and all those who daily contribute to the development of our institution.

On this occasion, I would like to highlight three major objectives we are working on and which support what you will see outlined in this booklet.

Promoting the growth and sustainability of our organization by diversifying sources of income in order to support and enhance activities. Advances in this sense are the new master's degrees and the programs of the School of Innovation launched in response to market needs, the development of our scholarship program –aimed at financing talent training– or the boosting of donations obtained for infrastructure projects, among many other actions.

Offering a renewed academic experience to students in new interdisciplinary fields of knowledge and adapting to the challenges and issues humanity is currently facing. Within this framework, it also includes cooperation activities with other universities around the world, which allow students' academic mobility and facilitate exchanges with other educational institutions.

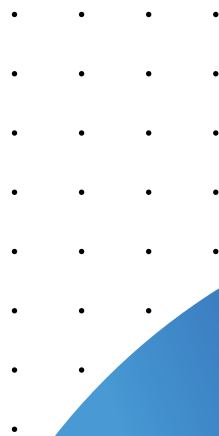
Developing an integrated university campus, where all the university's activities are concentrated, in a flexible and stimulating environment to foster relationships between the educational community and society.

Under this premise, we designed a building representing the values promoted by the Institute and the constant search for pedagogical and research excellence within high architectural quality parameters, economic rationality, sustainability, and the use of state-of-the-art technologies.

These headquarters will be one of the pillars supporting the institutional, academic and research project.

With this confidence, I invite you to become acquainted in detail with the path that we are setting for the future in order to establish ourselves as an innovative University, training global leaders capable of facing the complex challenges posed by development in the global context.

Eng. Andrés Basilio Agres
Chancellor



Management and Technology School

This School combines undergraduate and graduate training and has been designed in such a way that it enables the approach to humanity's relevant issues, and fosters the creation of collective and interdisciplinary learning.

To achieve this, ITBA has identified 6 strategic areas of knowledge and, based on them, the structure of the University's academic departments is defined. In these departments, the academic proposal includes undergraduate and graduate courses, as well as activities for the creation and dissemination of knowledge:

Complex Systems and Energy

Combination of topics related to the design, analysis, and management of economic, social, and technological systems to promote sustainable development in its broadest sense.

Environment and Mobility

Focus on the design and development of solutions for human habitat, including physical infrastructure, means of mobility, and the natural environment.

Data and Digital Systems

Focus on the design, development, and implementation of solutions for the digital environment.



Economics, Society and Business

Approach to the design, analysis, and management of organizations, with a comprehensive vision of the corporate and business world that relies on the potential of technology as a basis for management.

Life Sciences

Focus on the design, development, and implementation of solutions for people's welfare, by studying living organisms, through their nature and behaviors, and their interactions with technology.

Exact and Natural Sciences

Development of topics related to learning, research, and applying knowledge in basic and applied sciences.

Innovation School

51

Advanced and
Professional
Certifications

11

Training Areas:

- ICT
- Business under Transformation
- Marketing under Transformation
- Fintech
- Agtech
- Edtech
- Energy
- Supply Chain & Operations
- SMEs
- Environmental Technology
- Management
- Behavioral and Health Sciences

The School was created to develop a differentiated educational model with new learning techniques and continuous education. It provides different options for the development of the abilities and skills required for the jobs of the future.

It links state-of-the-art technologies like

- Blockchain
- Artificial Intelligence
- Machine Learning

With essential soft tools like

- Leadership
- Agilism
- Organizational Transformation

Besides, it also provides tailor-made corporate training services, and programs for foreign students seeking to have a technical training experience in Argentina.

Mission: Training talents in a context of continuous evolution, thus developing a complementary relationship between people and technology.



Research + Development

+

ITBA has constantly engaged in research activities for decades. Some major milestones along this period include the creation of PhD degrees, the recruitment of valuable researchers, and an increasing number of paper publications in relevant scientific journals, among others.

Strategic Areas

DIGITAL WORLD

Mechatronics / Robotization / 3D / Nanomaterials / Big Data / Internet of Things / Artificial Intelligence / Modelling.

ENERGY

Renewable & Non-Renewable Energy / Management, Sustainability, and Energy Efficiency.

LIFE SCIENCES

Health Equipment/ Medical Informatics/ Devices and Prosthetics/ Food and the Environment.



Impactful Projects

DEVELOPMENT OF SUSTAINABLE MATERIALS TO REMOVE METALS FROM WATER

Chemical and Petroleum Engineering Areas.

ARTIFICIAL PANCREAS

ITBA PhD and Research Department, together with the Universidad Nacional de la Plata, Argentina's National Scientific and Technical Research Council (CONICET), and Hospital Italiano (Buenos Aires).

FALSE MEMORIES AND CRIMINAL ACTS

Life Sciences Department, together with the NGO "Innocence Project Argentina".



ITBA: Facts and Figures



Customized Education

+900

professors for



3,600

students at admission, graduate and postgraduate courses **1 professor every 4 students** in classrooms with a maximum capacity of 40 students.

Support in Talent Development

+30%

of our students receive financial support

Internship experiences for **100 % of our students**

Graduates Worldwide

+350

graduates per year



11,000 graduate and postgraduate **alumni**

ITBA

World Ranking

The QS World University Ranking is among the most influential ones in the world when it comes to determining the quality of academic and research education provided by universities.

This ranking was created by Quacquarelli Symonds in the United Kingdom, and **through the application of strict criteria, assesses more than 1300 universities worldwide.**



ITBA in the QS World University Ranking

- 2nd Technological University in Latin America
- 20th Private University in Latin America



ITBA is ranked among the top 100 technological universities in the world, from a total of over 250 institutions with this profile.

International Profile

130

International Students
at ITBA in 2022 (IN)

ITBA offers the opportunity to combine studies with a multicultural experience, thus allowing our students to expand their personal and professional perspectives.

We have agreements and ties with more than 150 universities in the Americas, Europe, Oceania, and Asia that enable 40% of our students to further their education with educational experiences abroad.

200

ITBA Students Abroad in
2022 (OUT)

With an employability rate of almost 100 %, our graduates find themselves in highly relevant positions in top companies and organizations around the world.

- More than 40 Universities with Bilateral Agreements

- Double Degree:

- Undergraduate:

- * **Industrial Engineering** Politecnico di Milano, Italy; Politecnico di Torino, Italy.

- * **Computer Engineering** UAS Technikum Wien, Vienna, Austria
Bachelor's Degree in Business Management: ESCP, Paris, France.

- * **Mechanical Engineering** Politecnico di Torino, Italy; INSA Toulouse, France; Rutgers University, USA.

- * **All undergraduate studies:** Rice University, USA.

- Postgraduate:

- * **Master's Degree in Energy and Environment:** Karlsruhe Institute of Technology, Germany.

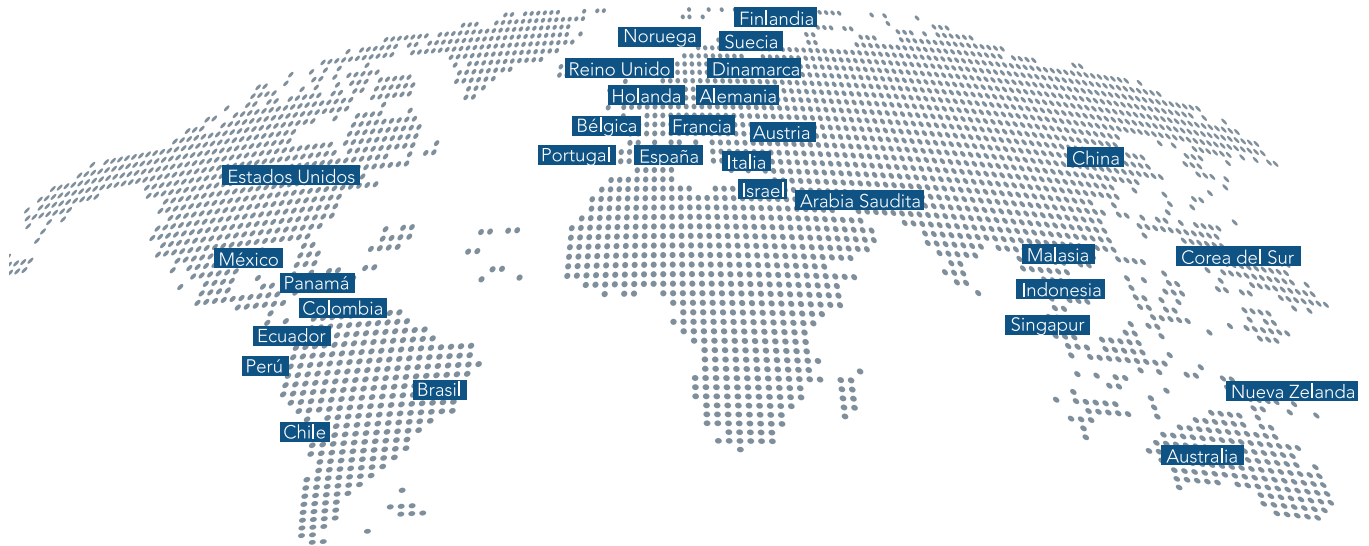
- * **Major in Oil and Gas Production:** Petroleum French Institute (IFP School, France).

150

Exchange Students
Applying to Join ITBA
in 2023 (IN).

230

ITBA Students Applying
for Exchange Abroad in
2023 (OUT)



Universities with the highest mobility:

01. Politécnico di Milano, Italy
02. University of Bologna, Italy
03. Universidad Politécnica de Madrid, Spain
04. Rice University, USA
05. Universidad Politécnica de Catalunya, Spain
06. Instituto Superior Técnico de Lisboa, Portugal
07. Insa Group, France
08. Paristech, France
09. Ecole Polytechnique, France
10. Rutgers University, USA
11. Karlsruhe Institute of Technology, Germany
12. Technical University of Munich, Germany
13. Instituto Tecnológico de Monterrey, Mexico
14. Pontificia Universidad Católica de Chile, Chile
15. Universidad de los Andes, Colombia
16. École Polytechnique, France
17. Royal Institute of Technology, Sweden
18. Beijing Institute of Technology, China
19. Nanyang Technological University – NTU, Singapur

+40
Universities
with Bilateral
Agreements

Network Universities
- Global Engineering
Education Exchange
(GE3) and T.I.M.E.

Universities
with Double
Degree



Member of Global Engineering Education Exchange (GE3)

Acknowledging a growing demand for engineering graduates with international experience, Global E3 enables engineering students from member universities to enjoy a rewarding study abroad experience. ITBA is the only university in Argentina member of Global E3. By participating in this program, students gain the necessary foreign language proficiency, intercultural skills, and professional experience to excel in the 21st century multinational/multicultural business environment. This unique program's relevance has been recognized by the National Science Foundation, the AT&T Foundation, and the U.S. Department of Education.

+ info: www.iie.org/Programs/Global-E3/About



ITBA is a proud member of the T.I.M.E. Association (Top International Managers in Engineering), a network of leading technical universities and engineering schools founded in 1989. All members have a strong international dimension in their research, teaching and industrial relations, and are all committed to the international recognition of their programs through double degrees.

+info: www.timeassociation.org



Supported by



100K Latam

Together with the **MIT Sloan Latin American Office**, we organize the **100K Latam** competition, aimed at promoting the development of entrepreneurial projects in Latin America.

This competition seeks to encourage entrepreneurs with the capacity to have an impact in the region through innovative projects, preferably technology-based and/or within the knowledge economy sector.

The competition has three different categories depending on the development degree of the idea: **Launch**: launching projects with the highest degree of development - **Accelerate**: accelerating the introduction to the market with projects already under development - **Pitch**: supporting ideas in the initial phase of development.

The competition awards up to USD 100,000 according to each category.

+ info: www.100klatam.org

ITBA, a Unicorn Seedbed

Our graduates have an innovative DNA. Therefore, many of them stand out for having created or early participated in startups and technology companies that quickly reached a market value of more than 1 billion dollars.

Most Relevant Cases:



It provides IT solutions and services for the development of online stores. Currently, it is used by over 90,000 brands.



Digital and adaptable authentication and authorization platform used today in more than 70 countries.



A fintech company providing financial management via an app and a card for users to carry out their transactions at low cost. Millions of people use it in Argentina.



A virtual whiteboard company offering digital solutions to further boost remote and collaborative work. This company has clients such as IBM, Microsoft and Meta, as well as partners in more than 13 countries.

Early Relationship with Companies

ITBA promotes an early relationship between students, professors, and researchers with the corporate world.

For this reason, it has entered into partnerships with important companies.

Some of our Partners:

- Pan American Energy
- Chevron
- Pluspetrol
- Banco Galicia
- Grupo Techint
- La Anónima
- Pampa Energía
- Cervecería y Maltería Quilmes
- AUTHO
- Vista



- Internships
- Recruitment Events
- Counselling Services
- Customized Training Experience
- R&D Agreements
- Scholarships for Future Talents



ITBA's Current campus



ITBA CENTRAL CAMPUS
A Meeting and Learning Space

 **Iguazú 341.**
Parque Patricios, CABA

7,000 m²

mainly for collaborative study,
research, and work.

TECHNOLOGICAL DISTRICT CAMPUS
Labs

 **Lavardén 315.**
Parque Patricios, CABA

4,200 m²

mainly
for laboratories.

FINANCIAL DISTRICT CAMPUS
Smart Classrooms

 **San Martín 202.**
Downtown, CABA.

7,000 m²

in classrooms for graduate, postgraduate,
and professional certification courses.

Future Building at the Innovation Park



One of the *ITBA 4.0* major objectives is the construction of the future new building of our University.

This campus concentrates teaching and research activities in a place consistent with the characteristic excellence of this institution.

To this end, the Innovation Park –in the neighborhood of Nuñez, in the city of Buenos Aires– has been defined as the ideal venue to set up the new building and integrate ITBA with the most relevant players in the regional and global innovation ecosystem.

The construction of this new space is aimed at fostering connections: internally, among students, faculty, researchers, collaborators, directors; and, externally, with companies, IT startups, entrepreneurs, the public sector, educational and research organizations. The main purpose is to take educational and research work to a larger scale, and contribute with the best solutions to the needs of a challenging world.

+ info: www.itba.edu.ar/futuroedificio

Contact: futuroedificio@itba.edu.ar

FUTURO EDIFICIO

CONSTRUYENDO CONEXIONES

Innovation Park Characteristics

Member of IASP, International Association of Science Parks and Areas of Innovation, a global network that promotes the development of science-technology parks and areas of innovation.

www.iasp.ws

Financially sustainable.

Presence of other universities/actors: UBA, UTN, Di Tella; companies as Sancor Seguros, ENERI, Dr. Pedro Lylyk y Asoc. S.A., Mirgor, Prevención ART; Scientific Coworking Startups, university housing, and local stores, among others.

Project Main Data

4,800 m²

Land Area

20,000 m²

Initial Planned Construction

2026 OPENING DATE

100 million US Dollars

Estimated Investment

Building Characteristics



External Identity

- High-quality architectural design representing ITBA.
- Innovation.
- Technology.
- A building that may become a benchmark for the city.



Internal Identity

- Selection of materials that provide warmth.
- Design of high-quality areas.
- Modern.
- Contemporary.
- Long-Lasting.



Meeting Areas:

- Spaces conceived and designed for the community.
- Green expansions on surrounding terraces and lots.
- Natural lighting and visuals overlooking the city.
- Spaciousness of areas.
- Selection of materials that provide warmth.



Entrance:

- Strategic location.
- The future development of the remaining lots is considered.
- Spacious, imposing.
- Articulator.



Vertical Integration:

- Spatial flow (void interconnection).
- Vertical articulation.
- Clear and smooth circulation.



Contest of Ideas

We initially started a global search process of similar case studies. We found many tangible examples and benchmarks in Europe, North America, and Asia.

As a result, in 2022 a Contest of Ideas was held with the aim to gather enough input to fuel the internal discussion with ideas, images, and potential proposals on how to intervene in the Park and what the future building could look like in order to connect and link them collaboratively to the development of the project. The contest was private and non-binding. National and international top-notch architecture firms were invited to participate. Five proposals were received with very good ideas and a high degree of development.

This contest allowed us to conceptualize the guiding ideas that will provide the building with a high-quality architectural design representing ITBA. Spaces conceived and designed to be used by the community, which resolve the internal identity in an efficient circulation system regarding the flow of people, creating meeting areas, thus stimulating social exchange. An impressive, innovative design with specific technology aimed at addressing not only energy-saving issues but also the identity of the building.

We are already making progress in this direction, and we will be soon announcing which firm will be in charge of the construction work. We are really eager to start moving forward with this milestone for our university, as well as for the Innovation Park and the City of Buenos Aires.

Capital Campaign for the Future Building

Since 2021, ITBA is implementing a Capital Campaign, which is a fundraising effort that seeks to raise donations for the Future Building as part of its 4.0 University project.

The project involves moving the three current sites of the Financial District, the Technological District and the Chancellor's Office to the purchased lots located in the Innovation Park in Nuñez neighborhood, with the aim to concentrate the university's activities in a single location, in order to create a true technological educational community.

Companies and families have contributed with donations specifically intended for the acquisition of these plots of land and the implementation of the project. From now on, funding for the new building construction will be possible thanks to the continuity of the fundraising campaign especially created to this end, which will support the different stages and is part of the Future Building Capital Campaign.

Fundraising Goal:
USD 100,000,000 (*)
(*) References in dollars at official
exchange rate.

Masterplan

CAMPAIGN	GOAL	ESTIMATED INVESTMENT
2022 Stage I Lots acquisition in the IP	Purchase of 3 lots in the IP, 4800m2. Contest of Ideas. Planning of guiding ideas, basis of the Future Building.	USD 25,000,000
2023 Stage II Launching of the Future Building Project	Project definition and presentation. Preliminary tasks for land preparation.	USD 5,000,000
2024 Stage III Lots acquisition in the IP	Initiation of the construction works for the Future Building.	USD 50,000,000
2026 Stage IV Completion and inauguration of the building	Interior design, Look & Feel. Inauguration.	USD 20,000,000

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ITBA 4.0

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