

SUMMER COURSE

Enjoy an unique experience in Barcelona

A.I. Foundations

QS Stars | TOP Universities





REASONS TO STUDY AT BTS



Live an **international experience** in Barcelona and immerse in the local culture.



Be at the forefront of the **Artificial Intelligence** change.



Learn from **A.I. leaders** working in the field they are teaching.



Enrich your **career** and earn a renowned certificate.



Join an **international community** and meet people from all over the world.



Enjoy the vibrant ecosystem of **innovation** at BTS.



Get a **life changing experience** investing in yourself.



LIVE THE BARCELONA'S SUMMER AT BTS

CAMPUS LOCATION

COOLEST
10 STREETS IN THE WORLD*



Barcelona Technology School's campus is perfectly situated in the Eixample district, making it an ideal choice for international students.

The campus is located in a renowned street* for its lively atmosphere filled with cafes, shops, and cultural spots, offering a true taste of Barcelona's unique lifestyle.

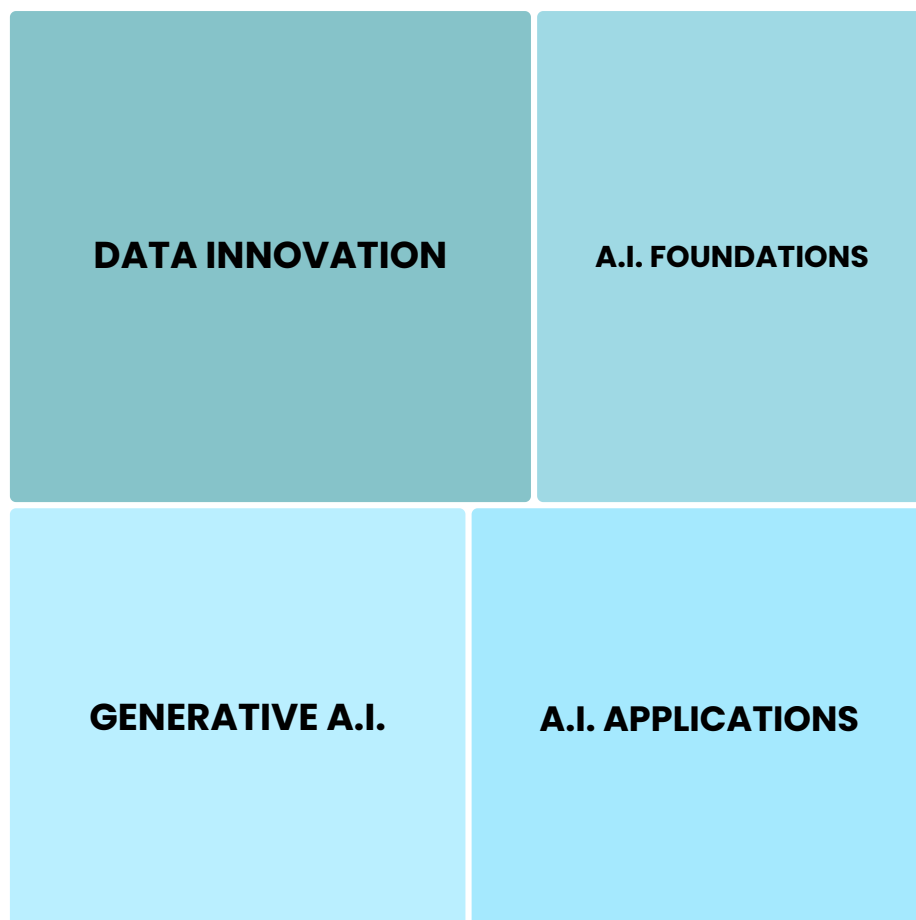
The BTS campus is also exceptionally well connected, with easy access to Barcelona's main attractions, such as La Sagrada Familia, the Gothic Quarter, and the beach.

This prime location allows students to explore the city easily, enhancing their experience as they immerse themselves in Barcelona's rich culture, history, and dynamic social scene.

* Coolest 10 streets in the world according to TIME OUT LONDON 2024.

A.I. FOUNDATIONS SUMMER PROGRAM

WHY LEARN ARTIFICIAL INTELLIGENCE?



Artificial Intelligence (A.I.) is changing the world around us, impacting everything from business and healthcare to arts and entertainment.

For young students, learning A.I. isn't just about understanding technology—it's about gaining skills that are useful in any field. No matter your background, this program can help you think creatively, solve problems, and open doors to new opportunities.

Our A.I. Foundations summer course at BTS offers a beginner-friendly introduction to A.I., with hands-on projects and real-world examples. Whether you're interested in business, art, or science, understanding A.I. can enhance your skills and expand your career options.

A.I. FOUNDATIONS SUMMER PROGRAM

PROGRAM

The **Artificial Intelligence Foundations Summer Program** at Barcelona Technology School is an immersive 2-week course designed for undergraduate students eager to explore the cutting-edge world of Artificial Intelligence, with a particular focus on Generative A.I. held in the vibrant city of Barcelona, this program provides a blend of theoretical knowledge and hands-on experience, ensuring students gain a solid foundation in A.I. concepts, future, and business applications.

CONTENT OVERVIEW

You will find below an overview of the subjects that are included in the program:

- Data innovation
- Introduction to Artificial Intelligence
- Generative A.I. foundations
- Applications of Artificial Intelligence

VISIT AND ACTIVITIES



MACBA | Museum of contemporary Art of Barcelona



Science Museum, Cosmo Caixa Barcelona



Gothic Quarter Tour Barcelona

We will also take you to the following activities:

Welcome breakfast | Ice breaking | Old town visit | Farewell party

* Contents, visits, and structure may change according to the program's needs.



A.I. FOUNDATIONS SUMMER PROGRAM

Week 1: Foundations of Data and Artificial Intelligence

Day 1: Introduction to Data Innovation

Day 2: A.I. Demystified

Day 3: A.I. Driven Business

Day 4: Introduction to Generative A.I.

Day 5: Ethics in A.I.

This week, you will focus on building a foundational understanding of data innovation and Artificial Intelligence. You'll explore the role of data and A.I. in shaping modern industries and society. Through engaging discussions and relatable examples, you'll gain insights into how these technologies work and how they can be applied to solve real-world problems.

Week 2: Understanding Social and Economic Impacts of A.I.

Day 6: Social Impacts of A.I. Agents

Day 7: Economic Impacts of A.I. Agents

Day 8: The Impacts of AGI (Artificial General Intelligence)

Day 9: Understanding ASI (Artificial Super Intelligence)

Day 10: Reflection and Future Directions

During the second week of the program, you will explore A.I. implications on society and the economy. This week aims to provide a deeper understanding of how A.I. technologies have the potential to transform the world we live in.

A.I. is not just a technological phenomenon, it's a social and economic disruptor. From transforming industries and job markets to influencing global economies and societal norms, the rise of A.I. presents both opportunities and challenges. Understanding these impacts will empower you to think critically about how A.I. can be leveraged responsibly and effectively in your field.

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COMPANY VISITS

NESTLÉ GLOBAL DIGITAL IT HUB



The Nestlé Global Digital IT Hub in Barcelona is global technology center, driving digital transformation by providing IT solutions and services worldwide.

The global leader in food and beverage innovation, where Artificial Intelligence plays a key role in product development, supply chain optimization, and personalized nutrition. Nestlé leverages AI-driven consumer insights, predictive analytics, and smart manufacturing to create sustainable, data-powered solutions that transform the way we eat and live.

GLOVO

Is one of Europe's fastest-growing tech companies, where AI fuels the on-demand delivery revolution. Glovo uses advanced machine learning algorithms for route optimization, demand forecasting, and dynamic pricing—ensuring seamless and ultra-fast deliveries. At Glovo, AI and big data shape the future of urban mobility and last-mile logistics.



PEPSICO INNOVATION HUB



The PepsiCo Innovation Hub is a global digital center that drives PepsiCo's digital transformation by developing and centralizing key global digitalization programs and fostering long-term innovation. At PepsiCo, AI technologies are redefining how brands connect with consumers. From AI-powered marketing strategies to predictive demand analytics, this innovation center is at the forefront of using data science and machine learning to drive product innovation, sustainability, and operational efficiency.

YOUR LEARNING JOURNEY

Day 1

- Welcome breakfast
- Introduction to Data Innovation

● Session
○ Activity

Day 2

- A.I. Demystified
- Gothic Quarter Tour, Barcelona

Day 3

- A.I. Driven Business
- Pepsico Innovation Hub

Day 4

- Introduction to Generative A.I.
- Museum of Contemporary Art

Day 5

- Ethics in A.I.
- Nestlé Global Digital IT Hub

Day 6

- Social Impacts of A.I. Agents
- Science Museum, Cosmo Caixa

Day 7

- Economic Impacts of A.I. Agents
- Glovo

Day 8

- The Impacts of AGI (Artificial General Intelligence)
- Free time in Barcelona

Day 9

- Understanding ASI (Artificial Super Intelligence)
- Free time in Barcelona

Day 10

- Reflection and Future Directions
- Farewell party



PRACTICAL INFORMATION

PROGRAM: Artificial Intelligence Foundations summer course

DATES: June 30th to July 13th

LOCATION: Barcelona Technology School | Barcelona, Spain

ECTS: 6

DURATION: 2 weeks | 20 hours + visits + fun time

LANGUAGE: English | B2 level is recommended

APPLICATION DEADLINE: May 19th, 2025 (min. 10 students to open the program)

TUITION FEES: 1st Week: 800€ | 2nd Week: 800€

ESTIMATED COST OF LIVING [not included]: Around 400€/1000€ per week
(food, accomodation and personal expenses)



HOW TO APPLY

APPLICATION

Request access to the application form by contacting us at:

admissions@barcelonatechnologyschool.com

Prepare your documents in advance:

- Copy of your passport.
- Copy of your transcripts from higher education level.

Limited seats available

ACCEPTANCE

Once we receive your application, we will send a conditional offer letter and the invoice so you can proceed with the deposit payment.

Once we receive the deposit, we will be able to send you your official acceptance letter.

Full payment must be done in full at least two weeks prior to the start of the program.

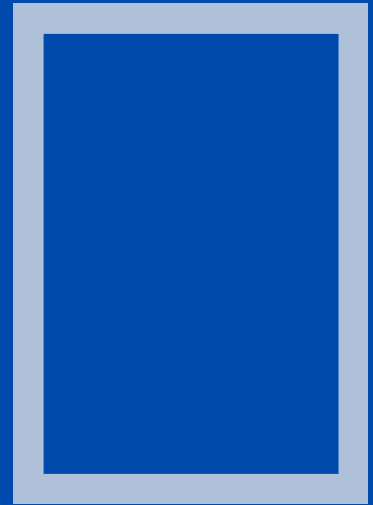
PREPARING YOUR TRIP

Additional information will be sent to you by email prior to your venue regarding visa requirements, accommodation and health insurance.

A webinar will be organized in the end of May with all selected students.

The background of the poster is a vibrant beach scene. In the foreground on the left, a tall palm tree stands on a paved walkway. The sandy beach is filled with people sunbathing and playing. The turquoise sea meets a clear blue sky with a few wispy clouds. In the distance, the iconic, sail-shaped W Hotel is visible on the horizon, along with other coastal buildings and a construction crane.

A.I. FOUNDATIONS SUMMER PROGRAM



ANY QUESTION?

We are happy to help with any question you may have!

Information and admissions

admissions@barcelonatechnologyschool.com
+34 932 714 244

Location

Barcelona. Consell de cent, 419
Barcelona's city center