Master in FinTech Solutions

www.barcelonatechnologyschool.com
If you’re passionate for technology and want to contribute to drive the digital transformation, Barcelona Technology School is your place.

The digital ecosystem in Barcelona is now warmer than ever. The strategic alignment of the government, the industry and educational institutions like BTS, are mixing the best ingredients to boost the European capital of innovation.

The results of the Barcelona’s digital strategy are excellent, international companies are landing in Barcelona to relocate their digital and tech headquarters. To mention a couple of examples: Zurich Insurance Group has opened its International Big Data Centre in the city; Nestlé has launched its Global Digital Hub in order to lead digital services from Barcelona, the European Capital of Innovation.

A healthy startup environment also feeds this innovative ecosystem; the city concentrates 60% of the total investment on startups in Spain. This, supported by initiatives like the Mobile World Congress, makes the city an ideal place for international entrepreneurs. More and more startups, accelerator programs, venture capital players and tech educational projects choose the city to develop its activity.

Thanks to this healthy tech ecosystem, there has been a high demand of digital talent which permits Barcelona Technology School to ensure you professional experience through paid internships and job opportunities during master programs that will help you to develop the most demanded digital skills.

Now, you have the opportunity to join the digital transformation from one of the hottest international tech spots.

Josep Clotet
General Manager
Empowering the Next Digital Talent

BTS Student Profile

- 20 Countries Represented
- 25 - 40 Age Range
- Gender 54% - 46%
- 55% Engineering & Computing
- 27% Economics & Management
- 9% Sciences
- 9% Others
The members of the BTS Strategic Advisory Board are well known industry leaders who take care of the quality and contents of the programs.

Academic Directors

Sandro Mancuso
London Software Craftsmanship Founder

Carlos Castillo
Director of Research for Data Science at Eurecat

Marc Torrens
CIO at Strands
Professors

Marc Planagumà
Big Data

Miquel Rodríguez
Agile

Saul Tessler
Entrepreneurship

Jorge Blasco
Digital Business

Javier Domingo
Cloud Computing

Pablo Sordo
Android Development

Gaby Prado
User Experience

Michele Trevisiol
Big Data

Sonia García
Web Development

José Carlos Gil
Software Craftsmanship

José E. Rodríguez
Web Development

Pedro Fernandes
Creative Technology

Martí Escursell
Venture Capital

Marc Boquet
iOS Development

Alfred Maeso
Project Management
Barcelona Technology School has developed its own practical, active and participatory methodology with emphasis on “learning by project” where participants generate their own digital solutions. This methodology reflects digital industry demand for new professionals with skills such as:
Core Skills

> EMPATHY AND COMMUNICATION
> INTERNATIONAL SCOPE
> FLEXIBILITY
> COLLABORATION & NETWORK
> TRANSVERSAL VISION
> CURIOSITY
> COMPROMISE & RESPONSIBILITY

Technical Skills

> WEB DEVELOPMENT
> MOBILE DEVELOPMENT
> USER EXPERIENCE
> BIG DATA
> MACHINE LEARNING
> CLOUD COMPUTING
> INTERNET OF THINGS
> CYBER SECURITY
> SOFTWARE CRAFTSMANSHIP
> BLOCKCHAIN
Barcelona Technology School has assembled an ecosystem of companies that supports BTS programs, providing industry exposure and bring professional experience to students through internships and job opportunities.

With the support of
Academic Partners / Industry Partners / Spanish and Catalan Government

- eurecat
  Technology Research Centre of Catalonia
- Mobile Transformation for Society
- Spanish Government for Internationalization
- Powering Content, Search & Data
- Innovation and High-tech Consulting
- Digital Transformation Services
- Government of Catalonia
- Best Luxury Hotels around the world
Digital Companies
Visit and learn from the tech leaders.

Career Mentors
Get professional orientation for your digital career.

Academic Board
High qualified instructors and well known professionals.

IT Labs & Innovation Projects
IT Labs & innovation projects exposure.

Project Mentors
Real & experienced Professionals will mentor your digital projects.

Entrepreneurs & Incubators
Inspire your own projects and new disruptive digital business.

University
Ensures academic accreditation, quality and certification.

Digital Companies
Visit and learn from the tech leaders.

The Mobile World Congress Startup Platform
Leading Company in Humanoid Robots
Barcelona Big Data Centre of Excellence
EdTech Company for Learning Experience

Global Network of Startup Accelerators
Empowering IT Teams
Fintech Leader Monetizing Data
Cloud Computing for Digital Society
Digital companies need your talent

By 2024 there will be 4,500,000 unfilled computer science jobs worldwide.

Tech industry is exploding and the key digital companies need your talent. Barcelona Technology School connects your career with the digital sector while offers you the most demanded digital knowledge & skills.

Thanks to the agreements Barcelona Technology School has with the digital industry, you will have the chance to live a professional experience through paid internships in some of the top digital companies that are part of the BTS Ecosystem.
Paid Internships & Jobs Opportunities
All the BTS students enrolled into a Master program have free access to one of the best sport clubs in the city which is located in front of the beach. Enjoy swimming pools, gym and lead classes, spa, paddle courts and much more.

Play sports, make friends or simply take a relaxed bath on the sea.
Global Chapters

The Global Chapters programs are an international experience for students & entrepreneurs that want to discover the epicenters of the world’s digital ecosystems:

This experience exposes students to how business is done in those ecosystems and creates long lasting relationships between students, companies, and business leaders.

Sample Week Itinerary

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
<th>SUNDAY</th>
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<tbody>
<tr>
<td>Visit large digital corporations</td>
<td>Tour in Silicon Valley</td>
<td>Entrepreneurship culture immersion</td>
<td>Visit the Palo Alto Research Center</td>
<td>Network building</td>
<td>Private VC and Startup parties</td>
<td></td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Free</td>
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</tbody>
</table>

Meals with digital leaders

Students visit companies like

[Google] [LinkedIn] [Tesla] [Twitter] [Target] [YouTube] [WhatsApp] [Oracle] [Yahoo] [Facebook] [Uber] [Amazon] [Salesforce] [Apple]
Master in FinTech Solutions. MFTS

Goals

The main goal of MFTS is to help you drive innovation in the financial sector.

During this program, you will discover the main disruptive technologies that are reshaping this sector as well as how banks and startups are rethinking the current financial services.

Disrupt financial business through digital innovation.
Redefine Finance Strategies and Operations Through Innovation

Master in FinTech Solutions

- Mobile Payment
- Cryptocurrencies
- Blockchain
- Digital Advisory
- Data Monetization
- Artificial Intelligence and Machine Learning
- Peer-to-Peer Lending
- Trading Systems
- Equity Crowdfunding
FinTech Foundations
1. Basic Fintech Terms
2. Fintech’s Distinctive Aspects
3. Disruptive Business Solutions
4. FinTech trends and opportunities

Digital Economy
1. The digital transformation
2. Digital products
3. Online marketing
4. Creative strategy on the internet

Data Science
1. Big Data and Machine Learning
2. Recommendations
3. Credit Modeling
4. Risk Management

Agile Management
1. Agile VS Traditional Management
2. Scrum
3. Kanban
4. Visibility and transparency

Money Management Technologies
1. Financial Management
2. Liquidity Management
3. Wealth Management / Invest. Banking
4. Robo Advisors & Systematic Trading

FinTech Sectors
1. Infrastructure & Cybersecurity
2. Lending
3. Payment & Transfer
4. Cryptocurrencies

Contents Master in FinTech Solutions
## Contents Master in FinTech Solutions

### Technology & FinTech
1. Fundamentals
2. Languages
3. Infrastructures and cloud
4. Communications

### Blockchains & Cryptocurrencies
1. The Bitcoin
2. Other Proprietary Cryptocurrencies
3. Beyond Bitcoin and Cryptocurrencies
4. Other Blockchain Applications

### Frameworks & Regulation
1. The digital transformation
2. Digital products
3. Online marketing
4. Creative strategy on the internet

### Entrepreneurship
1. Framing and Pitching your Idea
2. Strategic Analysis
3. Marketing of Financial Services
4. Investors: Business Angels, VC Firms

### Innovation & Creative Technology
Ability to think creatively with a business frame of mind, focusing on bringing new innovations to market. It will instill an appreciation of the characteristics and motivations of creative people.

### Project
Hands-on training. Thanks to FinTech transversal challenge, students combine business, finance and tech skills aimed to generate innovation.

Contents can be modified according to the needs of the program.
## Details Master in FinTech Solutions

<table>
<thead>
<tr>
<th>TYPE</th>
<th>LOCATION</th>
<th>DURATION</th>
<th>LANGUAGE</th>
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<tbody>
<tr>
<td>Full Time Master degree</td>
<td>Barcelona, Spain</td>
<td>9 months (1 academic year)</td>
<td>English</td>
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</table>

<table>
<thead>
<tr>
<th>ACCREDITATION</th>
<th>CREDITS</th>
<th>INTAKE</th>
<th>FEES</th>
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<tbody>
<tr>
<td>by Barcelona Technology School</td>
<td>60 ECTs</td>
<td>October</td>
<td>17.000€</td>
</tr>
</tbody>
</table>

### PAID INTERNSHIPS & DIGITAL JOBS

BTS offers paid internships in leading digital companies to their students. Take advantage of the BTS ecosystem and get a professional experience during & after the program.

Ask for information:  
[Email: info@barcelonaitsschool.com ]  
[Phone: +34 933 041 721]
How to apply

If you are passionate about Fintech and you would like to access to job opportunities, develop the best digital talent and have a master experience in Barcelona...we just ask you for 4 requirements:

1 Application Form
barcelonatechnologyschool.com

2 Motivation Letter & CV
Send the admissions office your CV as well as a motivation letter explaining how you think the digital industry will be in the next five years and how you could contribute to the digital transformation.

You can submit this documentation directly to info@barcelonaitsschool.com

3 Interview
Our admission board, as well as the director of the program, will analyze your candidature and if you meet the profile of Barcelona Technology School, we will call you to have a chat.

4 Payment
To ensure your place on the Master, you must secure it by making the reservation payment.

MFTS

Full-Time Program
Barcelona
9 Months
English
Intake: October
60 ECTs
17,000€
Awarded by Barcelona Technology School.

Admissions Office
+34 933 041 721
info@barcelonatechnologyschool.com
www.barcelonatechnologyschool.com
Traditional banking going digital

“Silicon Valley is coming and if banks don’t up their game, then tech companies will take over the industry’s business. There are hundreds of startups with a lot of brains and money working on various alternatives to traditional banking”.

Jamie Dimon
CEO J.P. Morgan

Digital native FinTech projects

Ant Financial, the digital payments arm of Alibaba, China’s ecommerce colossus, was founded in 2014 and already has more than 450 million annual active users, more than the world’s biggest banks. “Mobile increases reach, cloud brings down cost processing, Big Data increase capabilities to manage risk and Artificial Intelligence redefine financial services.”

Eric Jing
CEO Ant Financial

Regulations

“Will we have e-krona in an e-wallet in the future, as naturally as we now have a wallet with cash in it? The less those of us living in Sweden use banknotes and coins, the clearer it becomes that the Riksbank needs to investigate whether we should issue electronic money as a complement to the money we have today.”

Cecilia Skingsley
Deputy Governor,
Swedish Central Bank
Certification awarded by Barcelona Technology School.

Professional experience during the Masters through paid Internships & Job Opportunities.

Ecosystem of top digital companies and tech labs.
GREAT CAREERS ARE WAITING FOR BARCELONA TECHNOLOGY SCHOOL GRADUATES

4. International environment of tech people from all over the world.

5. Development of the most demanded digital skills.

6. Beach & sports club, social and sports installation located on the beachfront of Barcelona.