

# BE A MASTER IN DIGITAL FINANCE

*Your future in financial technology awaits.*

Join the specialised Master's Programme at POLIMI Graduate School of Management designed with REPLY, a leading digital services, systems integration and consultancy company.  
Ready to code the future?



**#BEAMASTER #BEAMASTER #BEAMASTER #BEAMASTER**

# YOUR FUTURE IN **DIGITAL FINANCE** STARTS TODAY

This unique programme, recognised by MIUR (Italian Ministry of Education, University and Research) and developed by Reply and *POLIMI Graduate School of Management*, offers highly qualified students a specialised project using innovative Finance IT.

Thanks to a pool of professionals, we train the Finance Digital Experts of tomorrow. Professionals who will deal with emerging technologies, such as Artificial Intelligence, & Machine Learning, in the Financial Services context.



# REPLY

Reply specialises in the design and implementation of solutions based on new communication channels and digital media.

Through its network of specialist companies, Reply supports some of Europe's leading industrial groups in Telco & Media, Industry & Services, Banks & Insurance, and Public Administration to define and develop business models, suited to the new paradigms of Big Data, Cloud Computing, Digital Media and the Internet of Things. Reply services include: Consulting, System Integration and Digital Services.

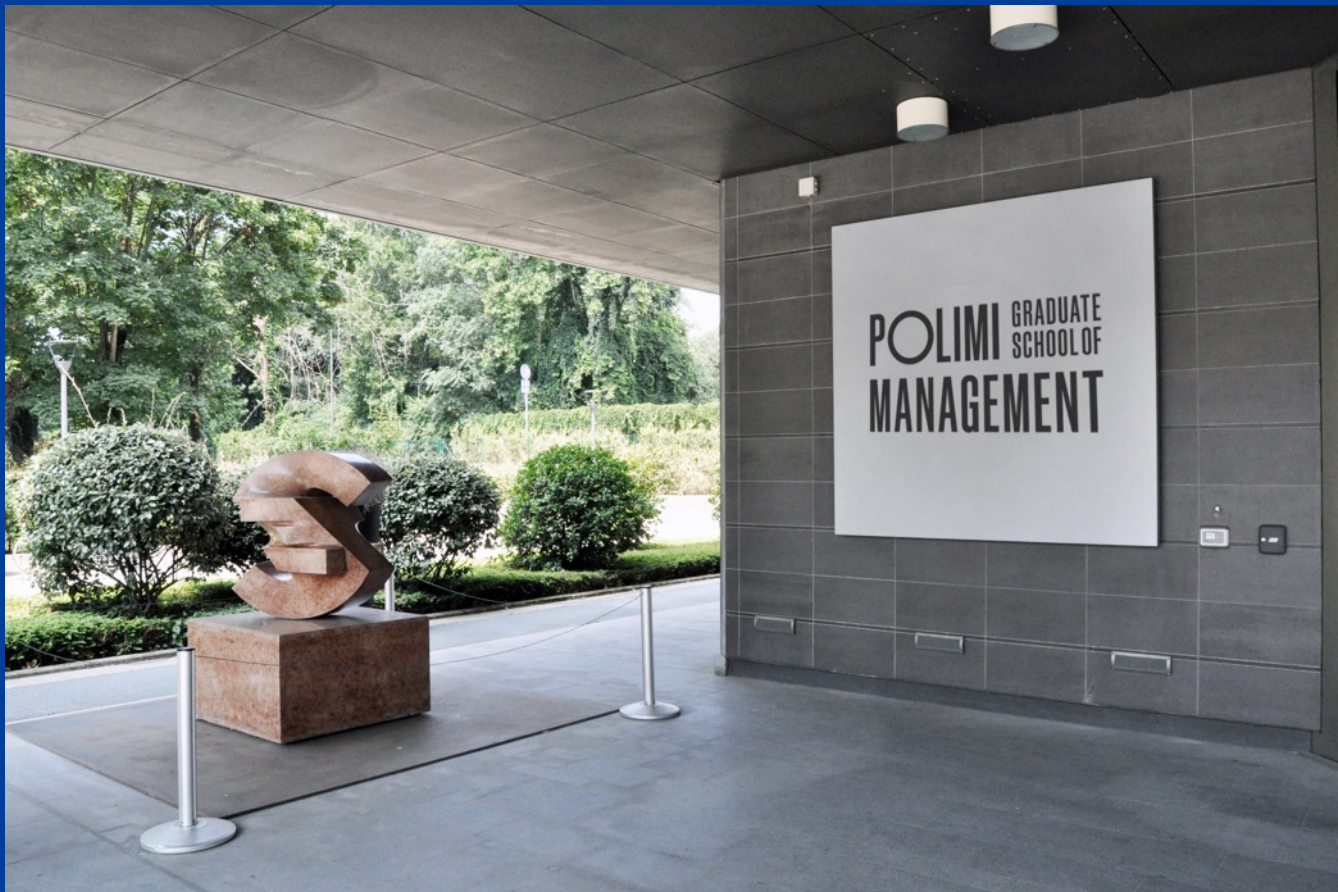




# POLIMI GRADUATE SCHOOL OF MANAGEMENT

At POLIMI Graduate School of Management we create meaningful paths for future business leaders and the businesses they will lead, guided by the over-arching belief that we have a crucial role to play in shaping a better world for all. Based in Milan, Italy's main business centre, our school was created over 40 years ago as MIP Politecnico di Milano and today it is a not-for-profit Consortia Limited Company composed of the University and a group of leading Italian and multinational companies. We offer more than 40 masters degrees, including MBA and EMBA, and a catalogue of over 200 open programmes, along with customised training for companies.

We continue to innovate and our digital learning systems allow us to seamlessly integrate personalized and continuous learning experiences into our programmes and have placed us amongst the top-ranked Online MBA rankings globally. As part of the School of Management of Politecnico di Milano, we are among the few "Triple Crown" accredited schools across the world. With over 15,000 alumni and 3,000 students every year we are a community made up of diverse people and partners. We see the power of relationships as a constant source of enrichment, innovation and inspiration, personal and professional. At POLIMI GSoM we take sustainability seriously and continue to work towards a better, more conscious, more equitable and more inclusive future. In 2020 we were the first European Business School to become a B Corp certified business.





# TODAY'S CHALLENGES NEED **A NEW GENERATION** OF TALENTED SPECIALISTS

The Master's in **DIGITAL FINANCE** is open to **50 students**, and is scheduled to start in April 2023. The course will be taught in English and will last 18 months. While mainly online, some activities will take place at POLIMI Graduate School of Management and in Reply offices.

The Master's team of technologists and academics are here to train the **DIGITAL FINANCE EXPERTS OF TOMORROW** in emerging technologies, such as Artificial Intelligence, Machine Learning and Big Data.

# WHO IS THE SPECIALIZED MASTER'S PROGRAMME FOR?

This 18-month programme is for students with a Master's degree awarded before July, 2023, or a Bachelor's degree awarded before March 31<sup>st</sup>, 2023. Students will need a degree in one of the following:

*Computer Engineering, Computer Science, Automation Engineering, Cybersecurity, Telecommunications Engineering or Electronic Engineering.*

Selected candidates will receive a job offer from Reply. If students stay in their job for at least three years, Reply will cover the cost of taking part in the program (20.000€).

In other words, Reply pays you to study, so you get to **#EarnWhileYouLearn**.

# KEY INFO

## DURATION

18 MONTHS

From April 2023  
to September 2024

## COST

20.000€

Reply covers the  
cost of participation  
for selected candidates who  
accept a permanent job offer

## PLACES

50 STUDENTS

Completed degree in  
Computer Engineering, Computer  
Science, Automation Engineering,  
Cybersecurity, Telecommunications  
Engineering or Electronic Engineering

## CAREER

PERMANENT JOB

Reply will hire the admitted applicants  
who accept the job-offer and  
commit to stay for 3 years from  
the start of the Masters  
programme

## LANGUAGE

ENGLISH

Level B2 required

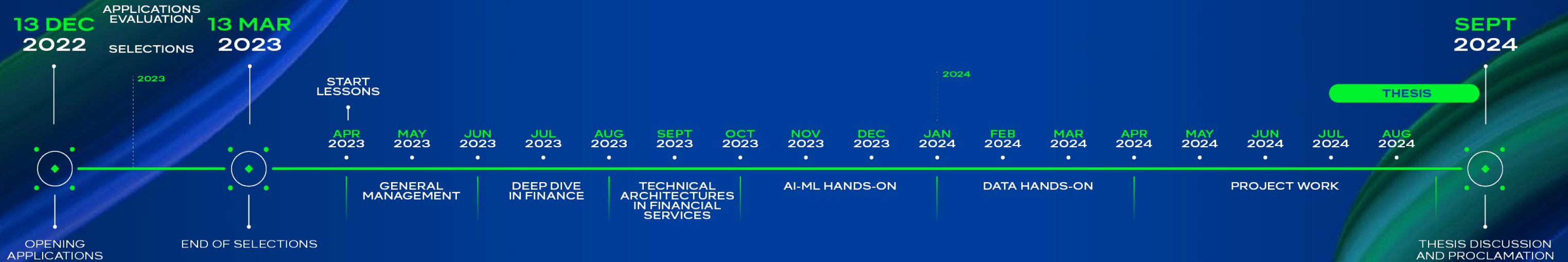
## LOCATION

ONLINE

Online lessons + other  
teaching activities at  
Politecnico di Milano and  
Reply offices



# THE PROGRAMME **TIMELINE**

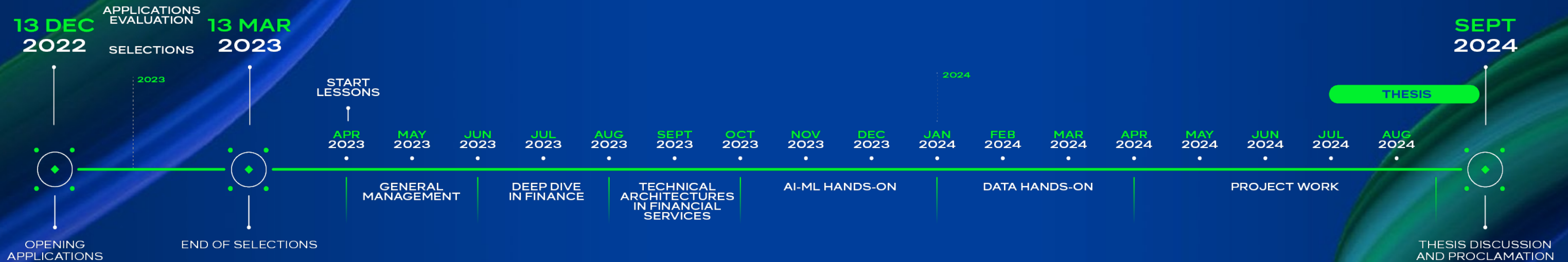


**GENERAL MANAGEMENT** - The student will be provided with the right tools to analyse the company, manage activities and processes, plan and implement innovation and transformation, and understand how to analyse the essential characteristics of a company as well as the context in which it operates. Through these courses the student will comprehend a company's main processes functioning, how companies can plan, produce in a flexible, agile way, and how to manage transformation and innovation projects.

**DEEP DIVE IN FINANCE** - The student will explore some specific issues in the banking and insurance market. They will gain an understanding of the market itself and understand the financial market scenario, regulation, actors, and activities. The Deep Dive in Finance courses will allow students to understand the financial structure of the company so they can guide fundamental decisions. In this phase of the programme the student will understand the main financial management tools and the main characteristics of the different areas of financial activity.



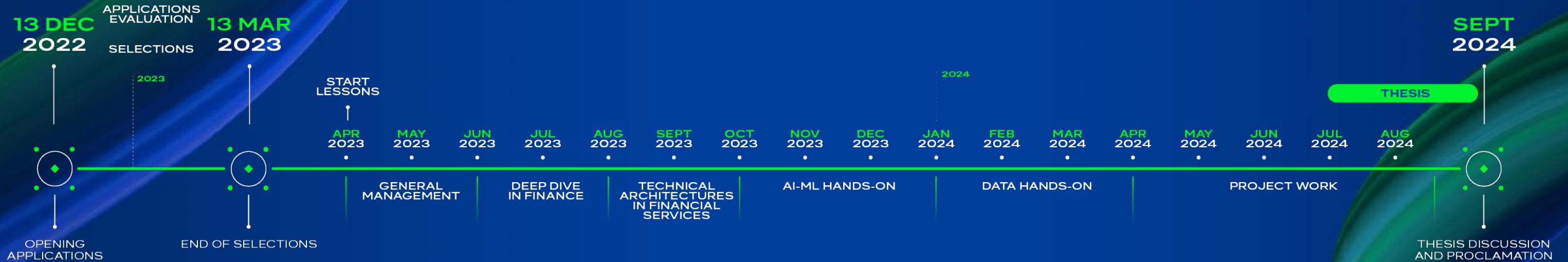
# THE PROGRAMME **TIMELINE**



**TECHNICAL ARCHITECTURES IN FINANCIAL SERVICES** - The students will go through the evolution of IT architecture in Financial Services. From monolithic, all in one system in 70's, to modern cutting edge, digital 24x7 cloud architecture passing through distributed applications and service-oriented patterns. An IT Architecture is the accomplishment of business needs. New requirements raise day by day and the IT Landscape continues to evolve adding new applications, replacing old ones and having to pay the inefficiency due to not de-commissionable systems (ie: legacy applications). Technology runs faster, starting every time from green field is not a viable option. An IT landscape is a balance from old and new systems integrated according to well defined pattern in order to ensure adequate performance and an appropriate level of continuity services at acceptable costs.

**AI-ML HANDS-ON** - This training area focuses on the application of the main artificial intelligence and Machine Learning techniques, such as computer vision, natural language processing, predictive systems and deep learning. The course focuses, specifically, on the study of the cognitive systems offered by two of the leading vendors in the sector and their application in multiple contexts of use such as intelligent process automation, recommendation systems and intelligent analysis. The specialization is based on case studies from real experiences, leveraging Reply's daily experience in frontier technologies. The implementation of cutting-edge algorithms and models, deep learning techniques and an in-depth study of machine learning tools will go hand in hand with an approach aimed at capitalizing the results obtained with the definition of evaluation metrics for the effectiveness of the solutions developed from a business perspective.

# THE PROGRAMME **TIMELINE**



**DATA HANDS-ON** In this area of specialisation, a hands-on approach will be pursued, with a variety of exercises in which participants will implement end-to-end data pipelines that start from source systems and complete all transformation steps. As a result, participants will be able to understand how to do batch and real-time data ingestion, how to transform and organise data for further analysis, how to industrialise machine learning models and finally how to expose what is extracted from the data. Most of the hours will be focused on the practical part, building data architectures in a simplified way to meet typical needs in the FSI world based on AWS cloud and GCP.

**PROJECT WORK and THESIS** In parallel with studying, the student will work on concrete projects within teams made up of experts in the sector. In the final stages of the Master's programme, a thesis document will be drawn up describing the work done during the entire project work.



# 5 REASONS TO JOIN

1. A **FULL TIME JOB** IN REPLY
2. SPECIALISED **KNOWLEDGE**
3. HANDS-ON **EXPERIENCE**
4. REPLY **METHODOLOGY**
5. **HIGHLY QUALIFIED ACADEMIC  
STAFF** FROM POLIMI GRADUATE  
SCHOOL OF MANAGEMENT



# BECOME ONE OF **DIGITAL FINANCE'S** LEADING PLAYERS

Apply from 13th December, 2022,  
to 13th March, 2023.

To find out more and apply,  
visit [master.reply.com](https://master.reply.com)

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