



POLITECNICO
MILANO 1863

Welcome MSc in Management Engineering

Prof. Stefano Ronchi
Prof. Marika Arena

Sept. 13th 2021

Politecnico di Milano

Mission: «*To be a european leading university driving science and technological innovation to improve human life in a sustainable and responsible way*»



Over **45.000**
students

12
Departments

Over **1.400** professors and
1.200 professional staff



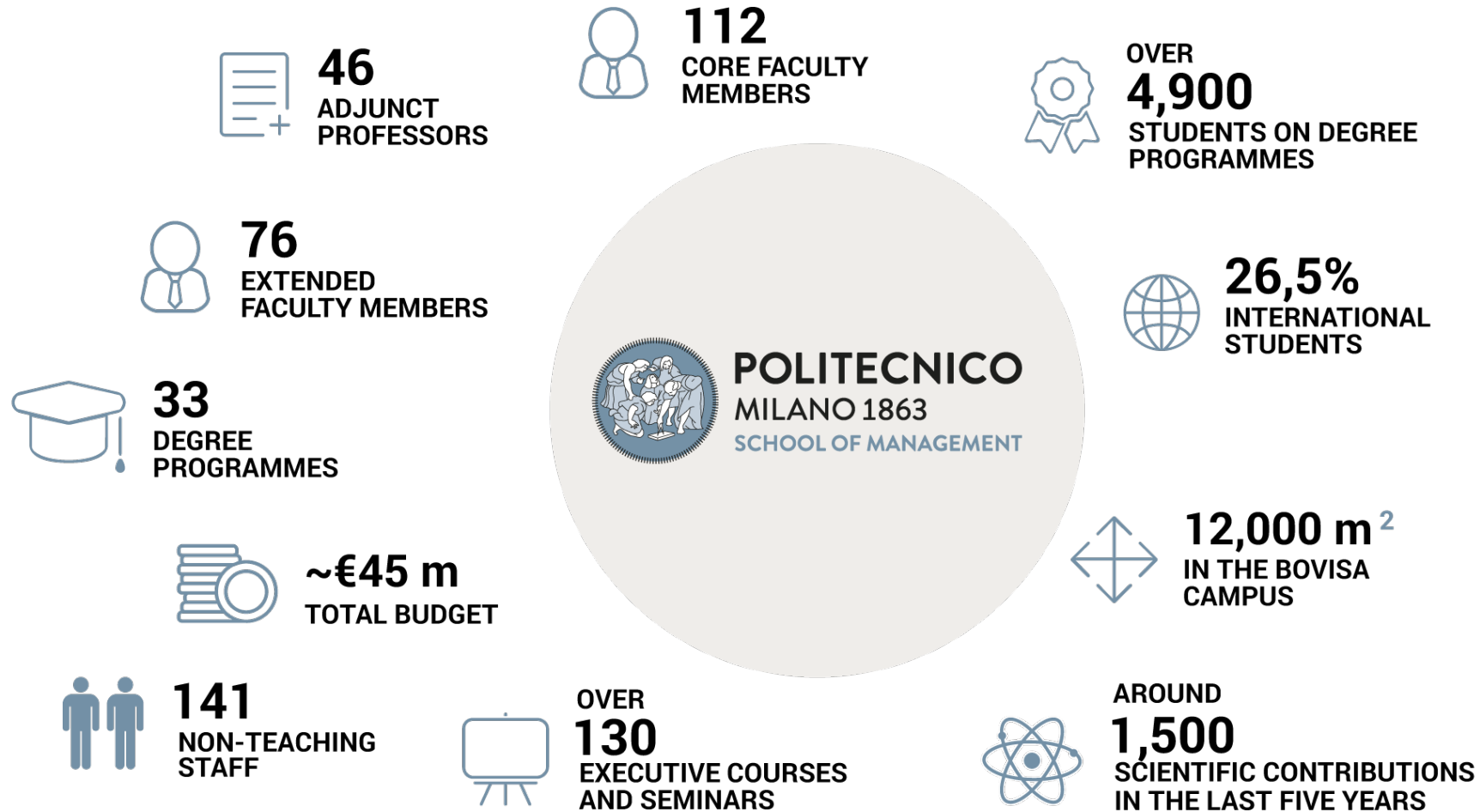
Schools of
**Architecture,
Design,
Engineering**

Ranked **no. 1 in Italy,**
no. 7 in Europe, no. 20 worldwide
QS World University Ranking 2020,
Engineering & Technology

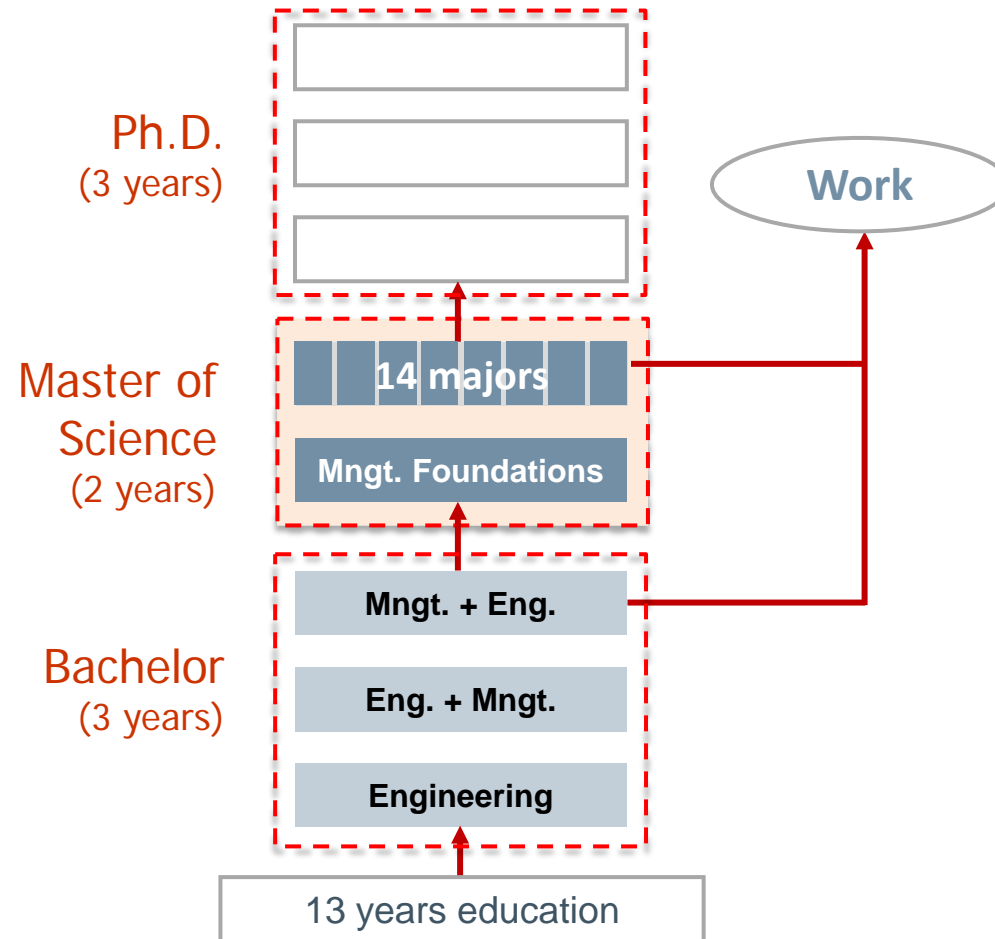


School of Management:

Mission: «*To contribute to the collective good through a critical understanding of the opportunities offered by innovation*»



Our current Programs – over 4.500 students in total (>2.800 BSc, >1.700 MSc)

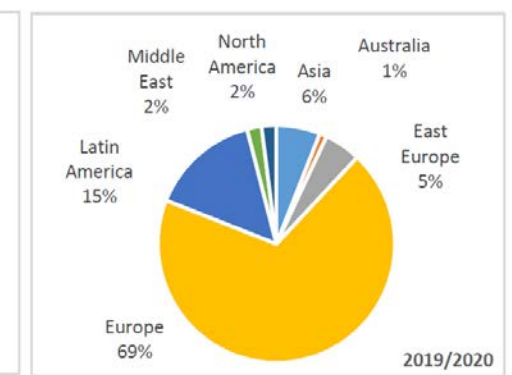
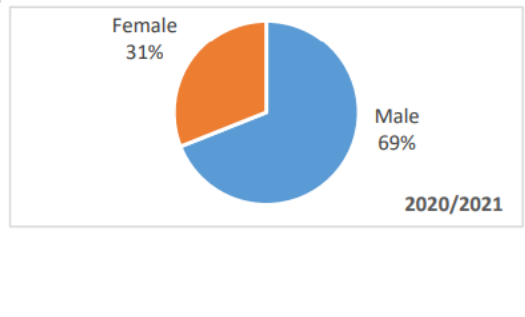
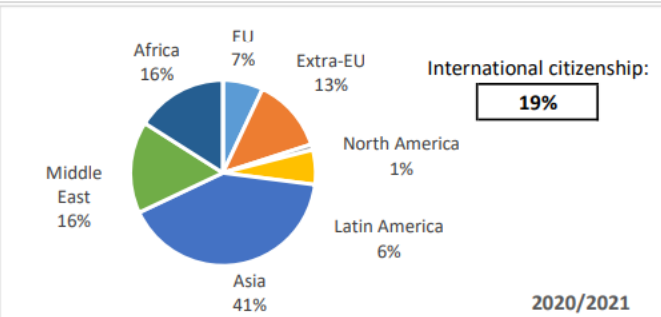
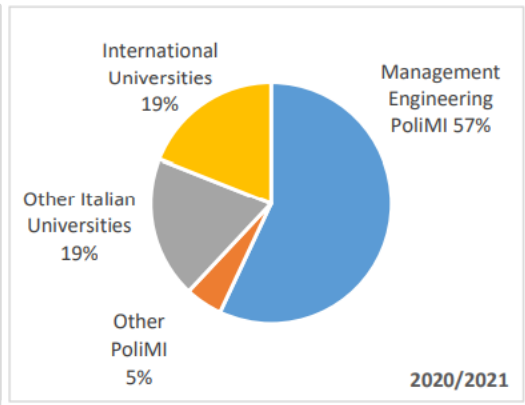
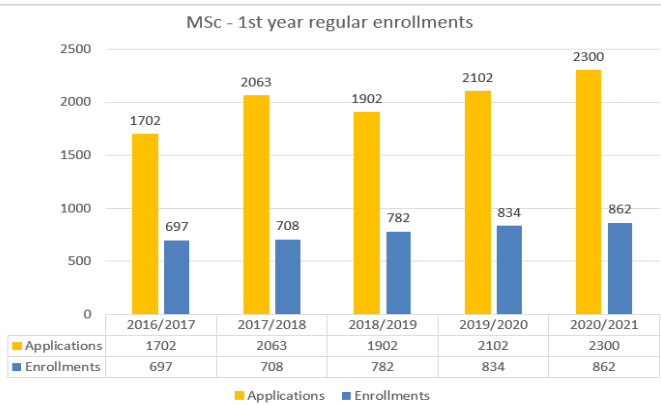


Duration	2 years
Calendar	Sept/Dic – Feb/Jun
Course size	5-15 ECTS
Workload	120 ECTS
Enrolments (≈)	800

Notes:

- Specific managerial competences based on a solid scientific and engineering background
- Over 15.000 graduates since the constitution in 1982
- Taught in English
- Over 40% of International students and exchange students
- Huge opportunities for experiences abroad through exchanges and double degree programs: 25% of our students have experiences abroad

MSc in Management Engineering: SOME FIGURES



A number of different opportunities

- Access to one of the top universities worldwide
- A real international environment
- Campus and sport life (e.g. Poli4you)
- Deep-dive into concrete business problems (Labs): close interaction with industry
- POLIMI Green Ambassador
- Mentorship programme for second year students
- Many opportunities for an international experience



A number of different opportunities

- **Erasmus** and **extra-UE** agreements (Europe, USA, China, Australia, etc.)

- **Double Degree** programs (T.I.M.E.)

- **UNITECH:**

- Politecnico di Milano (Italia)
- Chalmers University of Technology (Svezia)
- CentraleSupelec (Francia)
- ETH Zurich (Svizzera)
- Loughborough University (Inghilterra)
- RWTH Aachen University (Germania)
- Trinity College (Irlanda)
- TU Delft (Olanda)
- Universitat Politecnica de Catalunya (Spagna)

- **IDEA League:**

- Politecnico di Milano (Italia)
- ETH Zurich (Svizzera)
- TU Delft (Olanda)
- Chalmers University of Technology (Svezia)
- RWTH Aachen University (Germania)



T.I.M.E.



IDEA League

- **Alliance4Tech:**

- Politecnico di Milano (Milano)
- Technische Universität Berlin (Berlino)
- CentraleSupelec (Parigi)
- University College London (Londra)

ALLIANCE  **TECH**



Intended Learning outcomes:

MASTER OF SCIENCE IN MANAGEMENT ENGINEERING

1. **Understand** challenges, functions, processes in a business and industrial environment and their mutual effects on business, economy, environment and society
2. **Identify** trends, technologies, key methodologies and stakeholder needs in a specific domain (specialization majors)
3. **Design** solutions applying a scientific and engineering approach (Analysis, Learning, Reasoning, and Modeling capability deriving from a solid and rigorous multidisciplinary background) coupled with participatory approaches to face problems and opportunities in a business, industrial and societal environment
4. **Develop** new ideas and transformative solutions to deliver positive impact on business, industrial and societal scenarios evolving over time
5. **Interact** in a professional, responsible, inclusive, effective and constructive way in a working environment, also motivating group members



Deploy our key strenghts during your journey



Integrity and rules compliance

*«Ideas» and civil commitment
(Platone)*

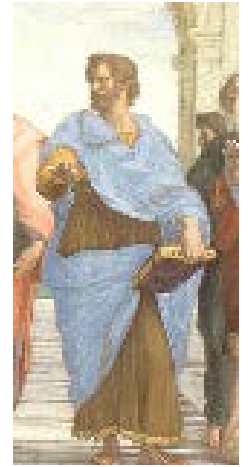


Critical and deep analysis

*«Know to Not Know»
(Socrate)*

Autonomy in problem solving

*Your «Reason for Existence»
to create value
(Aristotele)*



Logic and clear reasoning

*Rigor and clarity in the
«Elements»
(Euclide)*



Some thoughts related to the current situation

- The university system worldwide reacted promptly to the covid-19 pandemic
- Our students are a key asset for Politecnico and we put all our efforts to proceed with all education activities since the start of the pandemic
- We are now facing a new phase of extended learning, with new infrastructures, where education will not be the same any more, also after the pandemic crisis
- Behaviours of people during this first semester are crucial to make it happen
- Our values are then even more important than before: everyone shall behave with **integrity and responsibility**, the right level of **autonomy and flexibility**, pursuing our **critical and logic judgement**

Participate and be part of our community

- Provide us **constructive feed-backs** about our courses / initiatives (e.g. fill in the quality questionnaire at the end of the course, which is anonymous; provide comments and suggestions about how we can improve; be professional and not arrogant)
- Provide us **suggestions about initiatives** that can be implemented or share initiatives that could be of your interest you are aware about (e.g. conferences, summer schools)
- **Participate in the campus life** through the channels that are already available ...



YOU WILL ALWAYS BE PART OF POLIMI!

Our Alumni Community

ALUMNI
POLITECNICO DI MILANO

> 200.000



POLITECNICO
MILANO 1863

SCHOOL OF MANAGEMENT

> 35,000

MIP

POLITECNICO DI MILANO
GRADUATE SCHOOL
OF BUSINESS

> 15,000

POLIMI has its own Alumni Community: **Alumni Politecnico di Milano** (<https://www.alumni.polimi.it/>)

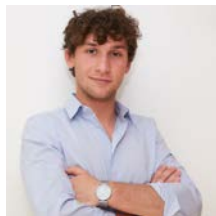
When you graduate in Management Engineering, you enter

- The Alumni Politecnico di Milano Community
- The **SoM** (Politecnico di Milano School of Management) **Alumni Community**, also including MIP Alumni

What is the **SoM Alumni Community** organizing for Management Engineering students?

- **Events** on leading-edge topics
- **Speeches of top SoM Alumni** (e.g., CEOs, top scientists, representative of NGOs) during lectures
- **Fund raising** initiatives (e.g., fund raising of scholarships)

Student Representatives Council



John Edgar Powell
2° Year Bachelor
johnedgar.powell@mail.polimi.it



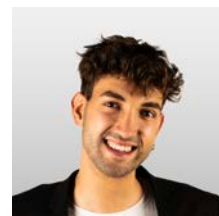
Martina Legnani
1° Year Master
martina.legnani@mail.polimi.it



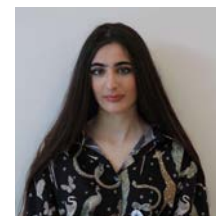
Marco Cesaro
3° Year Bachelor
marco1.cesaro@mail.polimi.it



Elena Fiorani
3° Year Bachelor
elena.fiorani@mail.polimi.it



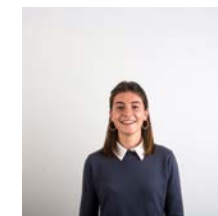
Anuar Mancini
3° Year Bachelor
anuar.mancini@mail.polimi.it



Anita Notarianni
2° Year Bachelor
anitaclara.notarianni@mail.polimi.it



Marco Guerini
3° Year Bachelor
marco1.guerini@mail.polimi.it



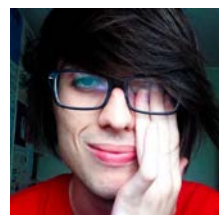
Chiara Castellotti
2° Year Bachelor
chiara1.castellotti@mail.polimi.it



Pietro Fossati
2° Year Master
pietro.fossati@mail.polimi.it



Matteo Crivellari
1° Year Master
matteo.crivellari@mail.polimi.it



Matteo Boveri
3° Year Bachelor
matteo.boveri@mail.polimi.it



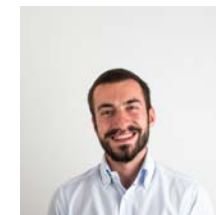
Fabrizio Vasconi
3° Year Bachelor
fabrizio.vasconi@mail.polimi.it



Emanuele Carbone
2° Year Bachelor
emanuele1.carbone@mail.polimi.it



Davide Rola



Stefano Garavaglia
3° Year Bachelor
stefano3.garavaglia@mail.polimi.it



Lorenzo Trittoni



Giuseppe Costagliola
2° Year Master
giuseppe.costagliola@mail.polimi.it

Marco Airoldi

Lorenzo Leone

Riccardo Rao

Silvia Zindato

Giovanni Alesani

Vittoria Giardi

Simone Rapella

Felipe Menezes Crissaf Bolelli



Facebook:

<https://it-it.facebook.com/GestionaleRisponde/>

#BeCurious



#BeProtagonist

#KeepinTouch



rapresentantistudenti-ccsgestionale@polimi.it



HSA

Hub of Student Activities

Aimed at creating a dynamic university life in Management Engineering, the HSA works as a hub for all the extracurricular activities in which the students can take part. The hub works in three ways: (1) it organizes and proposes local events under four groups of interests: social, cultural, didactic, recreational; (2) it serves as a platform to let each student propose its own club; (3) it promotes and communicates initiatives organized by other institutions of the university.

The Ecosystem





**SCHOOL OF MANAGEMENT
INDUSTRIAL CLUB**
POLITECNICO DI MILANO

The Club is intended to be a community **from students to students**.

Our goals are:

- to enhance a practical approach focused on firsthand experience in the industrial field;
- to give students the opportunity to improve soft and hard skills;
- and most importantly, to boost students' curiosity and willing to expose themselves, encouraging a “lifelong continuous learning” approach.

School of Management Industrial Club





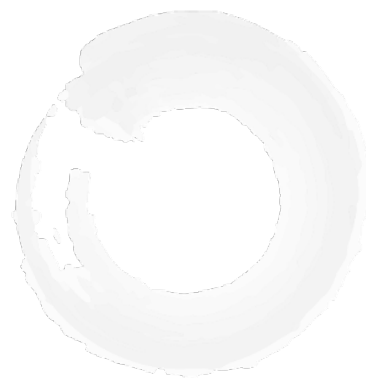
**SCHOOL OF MANAGEMENT
INDUSTRIAL CLUB**
POLITECNICO DI MILANO

Over these years, we organized conferences in Bovisa Campus and events in collaboration with the main multinational companies.

Do you want to become a **member** of the Industrial Club?

Visit our website <https://icpolimi.wixsite.com/industrialclubpolimi>

Write to our Facebook page or to industrialclub.polimi@outlook.com



SCOUT CONSULTING CLUB

A.A. 2021/2022

Who we are

SCOUT is an association born to introduce young engineers to the world of management consulting and create a community of students to share interests, experiences and network.



SCOUT CONSULTING CLUB

SCOUT in pills

800

A community of 800 young engineers, where to network and to share interests and experiences.

20

A team of 20 students dedicated to managing the events, community and development of the club.



SCOUT CONSULTING CLUB

Partner Companies



McKinsey
& Company



Deloitte.

KEARNEY

AlixPartners

MBSCONSULTING
A Cerved Company



Be



Be in Touch!



Check our profile



- Continuous updates on our company events and workshops
- Posts on industries, data analytics, bio and companies
- And much more...

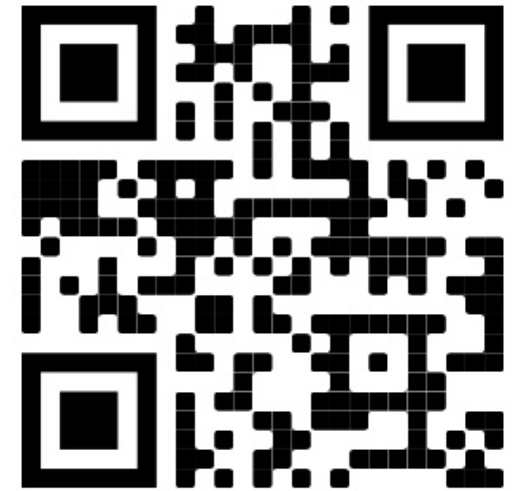


SCOUT CONSULTING CLUB

Contacts



- e-mail: info@wearescout.it
- Telegram
- Instagram
- www.wearescout.it



SCOUT CONSULTING CLUB



STARTING **FINANCE**

STARTING FINANCE CLUB POLIMI

Our mission is to bring **new generations** closer to
the world of **economics** and **finance**



We are part of the biggest Italian financial community, made of a network of **30+ clubs**



220+ members

30+ associates



20+ events

5+ partnerships



WEBINARS & INTERVIEWS



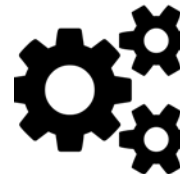
Professional experiences
International guests

ORIGINAL CONTENTS



Weekly newsletter
Articles and insights

PROFESSIONAL TRAINING



Hard and soft skills
"Hands-on" approach

NETWORKING EVENTS



International alumni network
Talks and recommendations

INVESTMENT BANKING

Edoardo Pasinato
IB Associate
Goldman Sachs, NY

UNICREDIT INSIGHTS

By Club Associates
***Matteo Verzicco** and*
Raffaele Amaro

TABLEAU FOR FINANCE

Certified course on
Business Intelligence
and Data Visualization

APERITIVO W/ ALUMNI

Chat with alumni from
Oliver Wyman, PwC,
Morgan Stanley, ...



INSTAGRAM

@sfclubpolimi



LINKEDIN

Starting Finance club PoliMi



Personal LINKEDIN

Alessandro Olivieri, Vice president



Visit our Bio
linktr.ee/sfclubpolimi



A **students' association** that performs **counselling projects** for real companies with business, marketing, it and design services.

WHAT WE DO



**PROJECTS
IN & OUT**

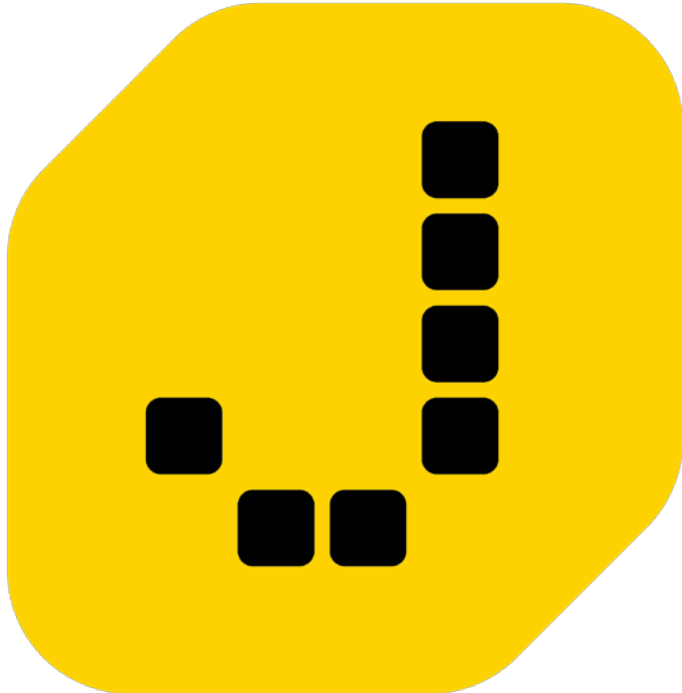


**WORKSHOP/
TRAINING**



TEAMBUILDING

RECRUITMENT



Sign up for the next recruitment session, applications are open **until October 17th!**

JEMP is waiting for you!

Visit our website **www.jemp.it**

Follow us on:   

Goal of ESTIEM

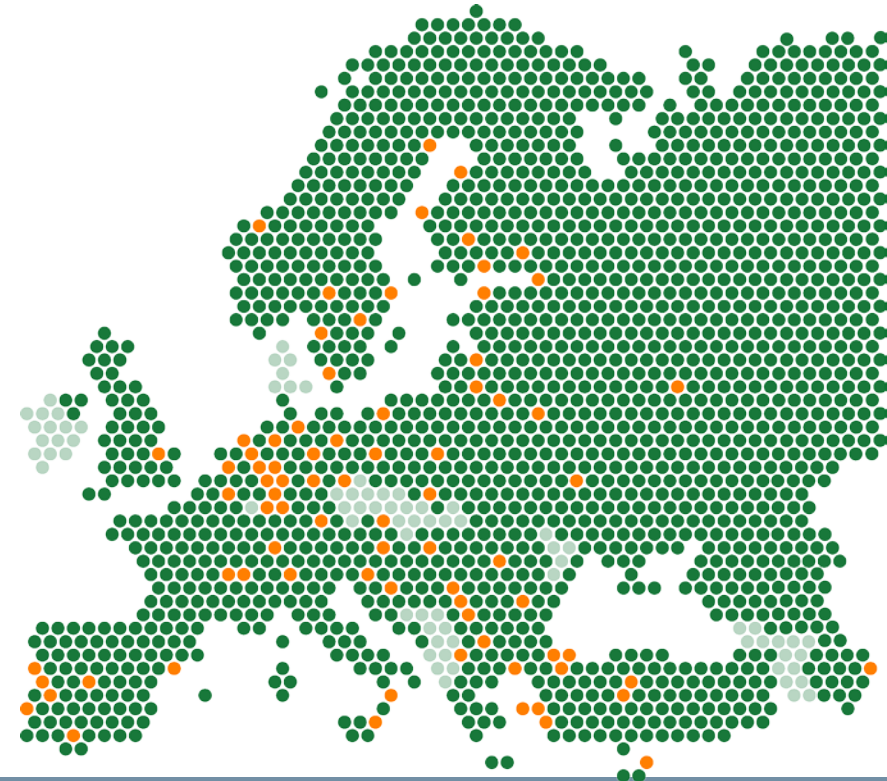
To foster relations and mutual understanding among European IEM Students while supporting them in their personal and professional development

81

Local Groups in
31 countries make
ESTIEM a large
network.

180+

events are organized
by Local Groups
every year.



Be active at different levels!

DON'T BE AFRAID TO AIM HIGH.



Local Level



Travel



Central Level



<https://www.instagram.com/estiemlgmilan>



<https://www.linkedin.com/company/estiemlgmilan>



ESTIEM LG Milan @estiemmilan

MSc in Management Engineering PoliMI: Structure overview

Core Curriculum			Major	Elective	Master thesis 15 ECTS
Accounting, Finance & Control	Strategy & Marketing	Leadership & Innovation	3 OUT OF 4 Quality Data Analysis Operations Management Logistics Management Industrial Technologies	<i>Industry 4.0</i>	
			Business & Industrial Economics + 2 OUT OF 4 Quality Data Analysis Operations Management Logistics Management Industrial Technologies	<i>Industrial Management</i>	
			Business & Industrial Economics + 2 OUT OF 3 Operations Management Logistics Management Industrial Technologies	<i>Supply Chain Management</i>	
	<i>Circular Economy</i>				
	<i>Energy Management</i>				
	<i>Sustainability & Social Impact</i>				
	<i>Business Strategy & Transformation</i>				
	<i>Analytics for Business</i>				
	<i>Digital Business Innovation</i>				
	<i>Entrepreneurship</i>				
	<i>Innovation Management</i>				
	<i>Complex Projects Business</i>				
	<i>International Business</i>				
	<i>Finance</i>				
60 ECTS			25 ECTS	20 ECTS	

- From September 2021, the new 2nd year offer, constituted by 14 majors, is available to **all our MSc students**.
- With the new offer, the second year is articulated into:
major (25 ECTS) + elective courses (20 ECTS) + thesis (15 ECTS)
- In order to ensure the interdisciplinary vocation of the MSc programme, at least **10 ECTS** should be obtained through subjects that belong to disciplinary sectors (SSD) other than characterizing sectors (ING-IND 35; ING-IND 17).

Submission of the Study Plan

- The selection of the major should **not be a worry**: the study plan can be changed every 6 months (in most cases at no cost) in two dedicated time-window
 - Sept/Oct (20th September 2021)
 - Feb/Mar
- However, some **caution is needed**: the first year is almost the same for all our students however you should be aware that one subject (Business & Industrial Economics) is mandatory for some majors and is not mandatory for other majors
- In any case, the study plan and the major can be changed in February/March and in September/October

How teaching activities are organized?

Lectures

Sessione d'esame		1 SEMESTRE				Sessione d'esame		2 SEMESTRE			Sessione d'esame	
agosto 2021	settembre 2021	ottobre 2021	novembre 2021	dicembre 2021	gennaio 2022	febbraio 2022	marzo 2022	aprile 2022	maggio 2022	giugno 2022	luglio 2022	
1 dom	1 mer	1 ven	1 lun	1 mer	1 sab	1 mar	1 ven	1 sab	1 mar	1 mer	1 ven	
2 lun	2 gio	2 sab	2 mar	2 gio	2 dom	2 mer	2 mer	2 sab	2 lun	2 gio	2 sab	
3 mar	3 ven	3 dom	3 mer	3 ven	3 lun	3 gio	3 gio	3 dom	3 mar	3 ven	3 dom	
4 mer	4 sab	4 lun	4 gio	4 sab	4 mar	4 ven	4 ven	4 lun	4 mer	4 sab	4 lun	
5 gio	5 dom	5 mar	5 ven	5 dom	5 mer	5 sab	5 sab	5 mar	5 gio	5 dom	5 mar	
6 ven	6 lun	6 mer	6 sab	6 lun	6 gio	6 dom	6 dom	6 mer	6 ven	6 sab	6 mer	
7 sab	7 mar	7 gio	7 dom	7 mar	7 lun	7 lun	7 lun	7 gio	7 sab	7 mar	7 gio	
8 dom	8 mer	8 ven	8 lun	8 mer	8 sab	8 mar	8 mar	8 ven	8 dom	8 mer	8 ven	
9 lun	9 gio	9 sab	9 mar	9 gio	9 mar	9 sab	9 gio	9 sab	9 lun	9 gio	9 sab	
10 mar	10 ven	10 dom	10 mer	10 ven	10 lun	10 mar	10 gio	10 dom	10 mar	10 ven	10 dom	
11 mer	11 sab	11 lun	11 gio	11 sab	11 mar	11 ven	11 ven	11 lun	11 mer	11 sab	11 lun	
12 gio	12 dom	12 mar	12 ven	12 dom	12 mar	12 sab	12 sab	12 mar	12 gio	12 dom	12 mar	
13 ven	13 lun	13 mer	13 sab	13 lun	13 mar	13 dom	13 dom	13 ven	13 ven	13 lun	13 mer	
14 sab	14 mar	14 gio	14 dom	14 mar	14 lun	14 lun	14 lun	14 gio	14 sab	14 mar	14 gio	
15 dom	15 mer	15 ven	15 lun	15 mer	15 gio	15 mar	15 mar	15 ven	15 dom	15 mer	15 ven	
16 lun	16 gio	16 sab	16 mar	16 gio	16 mar	16 mer	16 mer	16 sab	16 lun	16 gio	16 sab	
17 mar	17 ven	17 dom	17 mer	17 ven	17 gio	17 gio	17 gio	17 dom	17 mar	17 ven	17 dom	
18 mer	18 sab	18 lun	18 gio	18 sab	18 mar	18 ven	18 ven	18 lun	18 mer	18 sab	18 lun	
19 gio	19 dom	19 mar	19 ven	19 dom	19 mar	19 sab	19 sab	19 mar	19 gio	19 dom	19 mar	
20 ven	20 lun	20 mer	20 sab	20 lun	20 gio	20 dom	20 dom	20 mer	20 ven	20 lun	20 mer	
21 sab	21 mar	21 gio	21 dom	21 mar	21 ven	21 lun	21 lun	21 gio	21 sab	21 mar	21 gio	
22 dom	22 mer	22 ven	22 lun	22 mer	22 sab	22 mar	22 mar	22 ven	22 dom	22 mer	22 ven	
23 lun	23 gio	23 sab	23 mar	23 gio	23 dom	23 mar	23 mer	23 sab	23 lun	23 gio	23 sab	
24 mar	24 ven	24 dom	24 mer	24 gio	24 lun	24 gio	24 gio	24 dom	24 mar	24 ven	24 dom	
25 mer	25 sab	25 lun	25 gio	25 ven	25 sab	25 ven	25 ven	25 lun	25 mer	25 sab	25 lun	
26 gio	26 dom	26 mar	26 ven	26 dom	26 mer	26 sab	26 sab	26 mar	26 gio	26 dom	26 mar	
27 ven	27 lun	27 mer	27 sab	27 lun	27 gio	27 dom	27 dom	27 mer	27 ven	27 lun	27 mer	
28 sab	28 mar	28 gio	28 dom	28 mer	28 ven	28 lun	28 lun	28 gio	28 sab	28 mar	28 gio	
29 dom	29 mer	29 ven	29 mar	29 gio	29 mer	29 sab	29 sab	29 dom	29 mer	29 ven	29 mer	
30 lun	30 gio	30 sab	30 mar	30 dom	30 ven	30 mar	30 mer	30 sab	30 lun	30 gio	30 sab	
31 mar		31 dom	31 ven	31 mar	31 lun	31 gio	31 gio	31 mar			31 dom	

■ esami di profitto
 ■ lezione
 ■ festività
 ■ vacanze
 ■ lauree 1° livello
 ■ lauree Magistrali
■ prove in itinere
 ■ sabato
 ■ altre attività

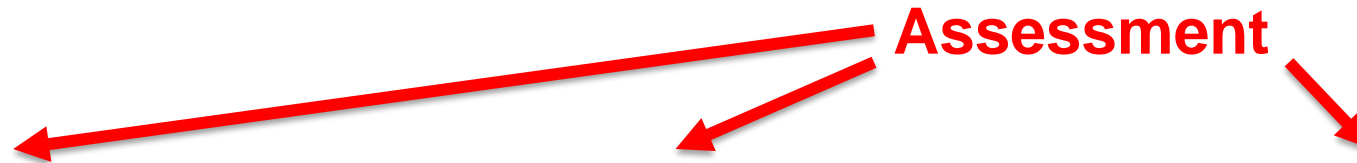
- Courses run in **semesters** (approx 30 credits per semester)
- For some courses (AFC, S&M, L&I, BIE), students are allocated to **four or five classes**, based on alphabetical order.
- For this semester, students' allocation to classes will be consolidated over the next two weeks

How teaching activities are organized?

For the a.a. 2021/22, **ACCOUNTING, FINANCE & CONTROL** and **STRATEGY & MARKETING** classes will be organized based on the following alphabetical allocation:

Class	Letter	AFC Professor	S&M Professor
Class 1	A – CE	Arnaboldi Michela	Chiesa Vittorio
Class 2	CE – GI	Maccarrone Paolo	Noci Giuliano
Class 3	GI – MO	Lettieri Emanuele	Ghezzi Antonio
Class 4	MO – ROS	Agostino Deborah	Kotlar Josip
Class 5	ROS – ZZZ	Arena Marika	Chiaroni Davide

How teaching activities are organized?



Sessione d'esame		1 SEMESTRE				Sessione d'esame		2 SEMESTRE				Sessione d'esame	
agosto 2021	settembre 2021	ottobre 2021	novembre 2021	dicembre 2021	gennaio 2022	febbraio 2022	marzo 2022	aprile 2022	maggio 2022	giugno 2022	luglio 2022	agosto 2022	settembre 2022
1 dom	1 mer	1 ven	1 lun	1 mer	1 sab	1 mar	1 mar	1 ven	1 dom	1 mer	1 ven	1 ven	1 ven
2 lun	2 gio	2 sab	2 mar	2 gio	2 dom	2 mer	2 mer	2 sab	2 lun	2 gio	2 sab	2 sab	2 sab
3 mar	3 ven	3 dom	3 ven	3 ven	3 lun	3 gio	3 gio	3 dom	3 mar	3 ven	3 dom	3 dom	3 dom
4 mer	4 sab	4 lun	4 gio	4 sab	4 mar	4 ven	4 ven	4 lun	4 mer	4 sab	4 lun	4 lun	4 lun
5 gio	5 dom	5 mar	5 ven	5 dom	5 mer	5 sab	5 sab	5 mar	5 gio	5 dom	5 mar	5 mar	5 mar
6 ven	6 lun	6 mer	6 sab	6 lun	6 gio	6 dom	6 dom	6 mer	6 ven	6 lun	6 mer	6 mer	6 mer
7 sab	7 mar	7 gio	7 dom	7 mar	7 ven	7 lun	7 lun	7 gio	7 sab	7 mar	7 gio	7 gio	7 gio
8 dom	8 mer	8 ven	8 lun	8 mer	8 sab	8 mar	8 mar	8 ven	8 dom	8 mer	8 ven	8 ven	8 ven
9 lun	9 gio	9 sab	9 mar	9 gio	9 dom	9 lun	9 mer	9 sab	9 lun	9 gio	9 sab	9 sab	9 sab
10 mar	10 ven	10 dom	10 mer	10 ven	10 lun	10 mar	10 gio	10 dom	10 mar	10 ven	10 dom	10 dom	10 dom
11 mer	11 sab	11 lun	11 gio	11 sab	11 mar	11 ven	11 ven	11 lun	11 mer	11 sab	11 lun	11 lun	11 lun
12 gio	12 dom	12 mar	12 ven	12 dom	12 mer	12 sab	12 sab	12 mar	12 gio	12 dom	12 mar	12 mar	12 mar
13 ven	13 lun	13 mer	13 sab	13 lun	13 gio	13 dom	13 dom	13 mer	13 ven	13 lun	13 mer	13 mer	13 mer
14 sab	14 mar	14 gio	14 dom	14 mar	14 ven	14 lun	14 lun	14 gio	14 sab	14 mar	14 gio	14 gio	14 gio
15 dom	15 mer	15 ven	15 lun	15 mer	15 sab	15 mar	15 mar	15 ven	15 dom	15 mer	15 ven	15 ven	15 ven
16 lun	16 ven	16 sab	16 mar	16 gio	16 gio	16 mer	16 mer	16 sab	16 lun	16 gio	16 sab	16 sab	16 sab
17 mar	17 ven	17 dom	17 mer	17 ven	17 lun	17 gio	17 gio	17 dom Pasqua	17 mar	17 ven	17 dom	17 dom	17 dom
18 mer	18 sab	18 dom	18 gio	18 sab	18 mar	18 ven	18 ven	18 lun Lunedì dell'Angelo	18 mer	18 sab	18 lun	18 lun	18 lun
19 gio	19 dom	19 mar	19 ven	19 dom	19 mer	19 sab	19 sab	19 mar	19 gio	19 dom	19 mar	19 mar	19 mar
20 ven	20 lun	20 mer	20 sab	20 lun	20 gio	20 dom	20 dom	20 mer	20 ven	20 lun	20 mer	20 mer	20 mer
21 sab	21 mar	21 gio	21 dom	21 mar	21 ven	21 lun	21 lun	21 gio	21 sab	21 mar	21 gio	21 gio	21 gio
22 mar	22 mer	22 ven	22 lun	22 mer	22 sab	22 mar	22 mar	22 ven	22 dom	22 mer	22 ven	22 ven	22 ven
23 gio	23 sab	23 dom	23 mar	23 gio	23 mar	23 gio	23 mer	23 sab	23 lun	23 gio	23 sab	23 sab	23 sab
24 mar	24 ven	24 dom	24 mer	24 ven	24 lun	24 gio	24 gio	24 dom	24 mar	24 ven	24 dom	24 dom	24 dom
25 mer	25 sab	25 lun	25 gio	25 sab	25 mar	25 ven	25 ven	25 lun	25 mer	25 sab	25 sab	25 sab	25 sab
26 gio	26 dom	26 mar	26 ven	26 dom	26 mer	26 sab	26 sab	26 mar	26 gio	26 dom	26 mar	26 mar	26 mar
27 ven	27 lun	27 mer	27 sab	27 lun	27 gio	27 dom	27 dom	27 mer	27 ven	27 lun	27 mer	27 mer	27 mer
28 sab	28 mar	28 dom	28 mer	28 ven	28 ven	28 lun	28 lun	28 gio	28 sab	28 mar	28 gio	28 gio	28 gio
29 dom	29 mer	29 ven	29 lun	29 mer	29 sab	29 mar	29 mar	29 ven	29 dom	29 mer	29 ven	29 ven	29 ven
30 lun	30 gio	30 sab	30 mar	30 gio	30 dom	30 mer	30 mer	30 sab	30 lun	30 gio	30 sab	30 sab	30 sab
31 mar		31 dom	31 ven	31 lun	31 mar	31 gio	31 gio	31 mar	31 mer	31 dom	31 mar	31 mar	31 mar

■ esami di profitto
 ■ lezione
 ■ festività
 ■ vacanze
 ■ lauree 1° livello
 ■ lauree Magistrali
■ prove in itinere
 ■ sabato
 ■ altre attività

- Subjects are **assessed** based on different activities (projects, presentations, oral/written exams)
- Exams must be taken in regular exam-days (“**Appello**”)
- Students must be registered (on-line system)
- There are 5 exam calls in one year
- The evaluation is based on “30” ECTS points (min 18)

Study Rules and the courses list and timetable

- www.polimi.it → Corsi (Programmes) → Laurea Magistrale (MSc)

General rules

- <http://www.polinternational.polimi.it/>

Make your Study Plan

- www.polimi.it → Students → Study Plan



Most of your answers are already in the website:

- <http://www.polimi.it>
- <https://www.som.polimi.it/en/course/master-of-science/>



Recordings of the presentations of the new offer are available here!

Direct contact with the Program Office:

- management-engineering@polimi.it

VISIT FREQUENTLY THE WEBSITE AND READ YOUR EMAILS!

Major

Analytics for Business

The Major **Analytics for Business** approaches general management with an **enhanced data-powered and market-oriented perspective**. Students will learn how to analyze data through the proper tools and models, detect, organize and communicate indicators and dashboards for decision support, and turn the information into a solid, accountable, value-driven business strategy

Analytics for Business Lab (ING-IND/35 and SECS-S/01)

10

Applied Statistics (SECS-S/01)

Marketing Analytics (ING-IND/35)

Advanced Performance Measurement (ING-IND/35)

15

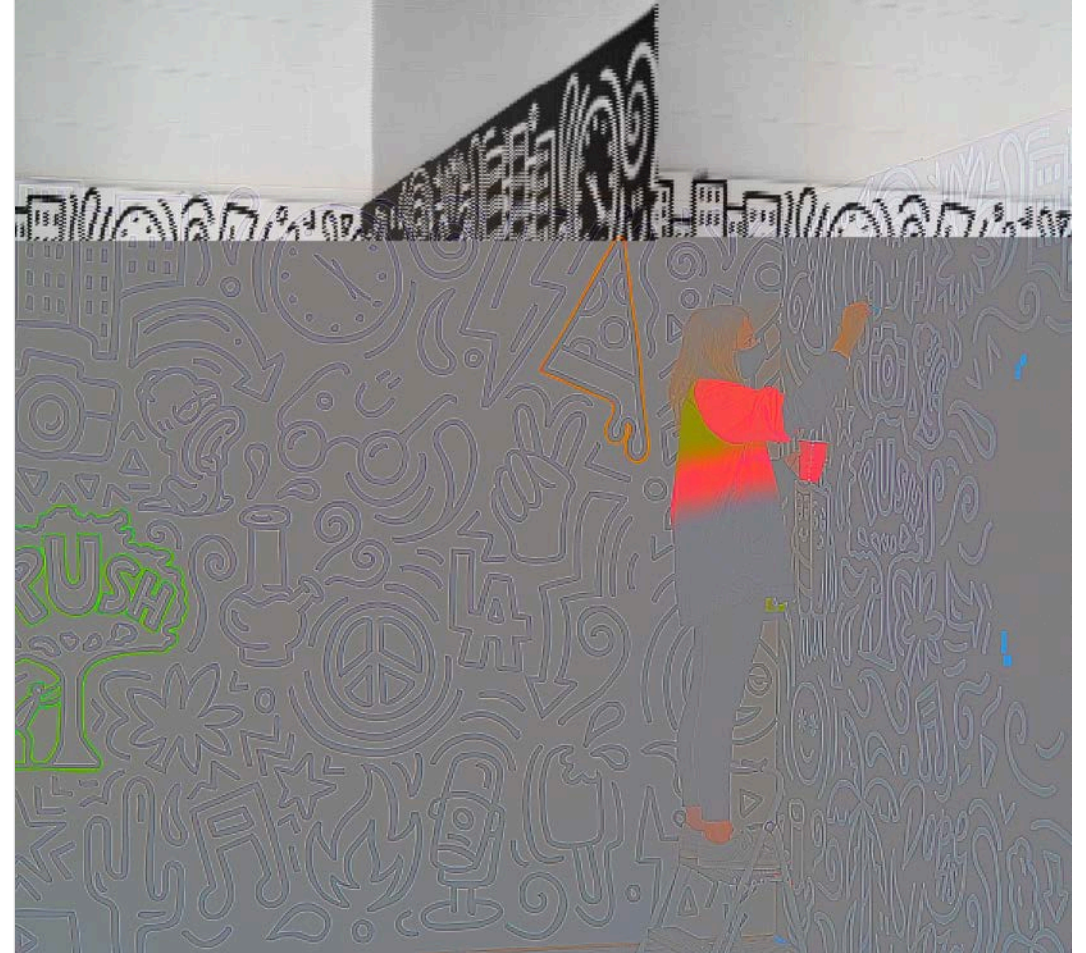


Major

Business Strategy and Transformation

The Major **Business Strategy and Transformation** aims to provide students the required competences and tools to deal with **corporate and business transformations enabled by strategic innovation and organizational change**. Students will learn how to address these complex processes, through a design mindset that enacts sense making through problem solving.

Business Design and Transformation Lab (ING-IND/35 and ICAR/13)	10
Strategic Innovation (ING-IND/35)	5
Agile Innovation (ING-IND/35)	10
Corporate Finance (ING-IND/35)	
Design Thinking for Business (ING-IND/35)	
Digital Business (ING-IND/17)	
New Forms of Organization (ING-IND/35)	



Major

Circular Economy

The **Circular Economy** Major aims at introducing students to **circularity as a strategic framework to steer a transition towards sustainable production and consumption** in the context of **climate change mitigation**. Students will learn how to **model, analyse, restructure and develop new industrial systems** leveraging on circular economy strategies

Circular Economy Lab (ING-IND/17 and 35)

10

Circular Industrial Systems (ING-IND/17)
Circular Economy Business Models (ING-IND/35)
Sustainable Manufacturing (ING-IND/17)
Green Logistics (ING-IND/17)

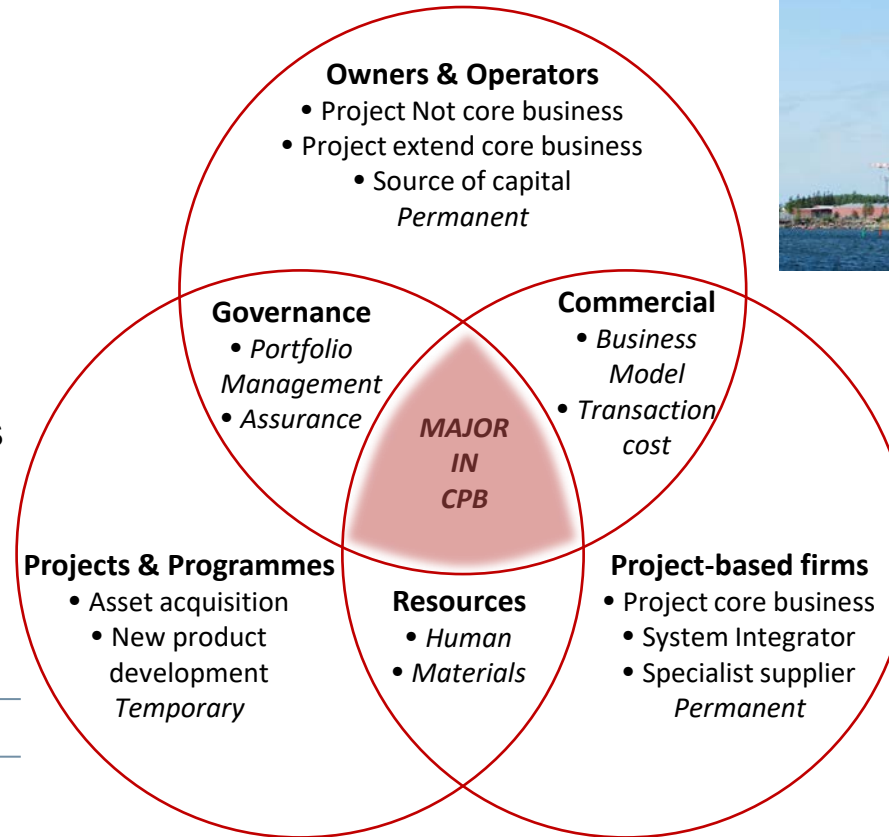
15



Complex Projects Business (CPB)

The Major in **Complex Projects Business** introduces students to the Project Ecology, developing a holistic background about the **selection, planning, financing, and delivery of complex projects**. It dives in to the Business of Project-based Firms and their interfaces with Owners & Operators. Students will learn how to deal with stakeholders, cost and benefit evaluation, project risks, governance, technology and operations-related decisions along the project and asset lifecycle in different sectors

Complex Projects Lab (ING-IND/17)	10
Project Management (ING-IND/17)	5
Financing Complex Projects (ING-IND/35)	
Knowledge Management in Infrastructure Projects (ICAR/11)	
International Markets and European Institutions (SECS-P/02)	10
Industrial Asset Management (ING-IND/17)	
Technology Risk Governance (ING-IND/17)	



Adapted from (Winch, 2014)



Major

Digital Business Innovation

The Major **Digital Business Innovation** aims to provide students with a comprehensive and critical understanding of the **business impact of Digital Technologies**, from the strategic, organizational and operational perspectives. Students will learn how to interpret current trends and future scenarios regarding Digital Technologies and identify and leverage on the related business opportunities.

Digital Business Innovation Lab (ING-IND/35)	10
Digital Business Innovation (ING-IND/17)	5
Digital Manufacturing (ING-IND/17) New Forms of Organization (ING-IND/35) Omnichannel Marketing Management (ING-IND/35) Economics of Innovation and New Technologies (ING-IND/35) Agile Innovation (ING-IND/35) Machine Learning (INF/01) Digital Technology (ING-INF/05)	10



Major

Energy Management

The **Energy Management** Major aims to provide students with a **systemic view on the evolutionary trends that are dramatically reshaping the energy sector**, with reference to the transition from a fossil-based one to a zero-carbon one.

Students will learn how to analyzing, understanding and assessing strategic decisions on energy production and consumption, and their implications for the long-term competitiveness of companies

Energy Management Lab (ING-IND/17 and 35)	10
Management of Energy (ING-IND/35)	5
Fundamentals of Energy Technologies (ING-IND/10) Circular Economy Business Models (ING-IND/35) Technology Risk Governance (ING-IND/17) Strategic Innovation (ING-IND/35) Diritto dell'Energia (IUS/10)	10



Major

Entrepreneurship

The Major in **Entrepreneurship** aims to provide students with a comprehensive understanding of the **challenges and success factors in launching a new business** (i.e., a startup, a new venture, a new business within an existing corporation). Students will learn how to design and validate an entrepreneurial idea, and how to launch and manage a new business.

Entrepreneurship Lab (ING-IND/35)	10
Digital Business (ING-IND/17)	
Entrepreneurship Economics (ING-IND/35)	
Entrepreneurial Finance (ING-IND/35)	
Patents and Intellectual Property Management (ING-IND/35)	15
Family Business (ING-IND/35)	
Design Thinking for Business (ING-IND/35)	



Finance

The Major **Finance** will provide students with a comprehensive understanding of the **financial systems and the role of finance within industrial and financial corporations.**

Students will develop advanced knowledge about:

- corporate financing practices and strategies,
- financial markets, institutions and intermediaries,
- financial securities and their evaluation tools,
- fintech,
- sustainable finance

Finance Lab (ING-IND/35)

10

Corporate Finance (ING-IND/35)

Macroeconomics of Finance (SECS-P/01)

15

Financial Markets & Institutions (ING-IND/35)



Major

Industrial Management

The **Major Industrial Management** aims to provide students with a **systemic and integrated view** of the industrial processes **across the different functions** of a service or manufacturing company, including the relationships with customers and suppliers. Students will learn how to deal with production, planning, purchasing, quality, logistics, information systems, product development, etc. in order to create and maintain a strong competitive advantage. A particular attention will be given to exploit the opportunities enabled by new technologies and digitalization, and to develop solutions that create a better and sustainable world to live in

Industrial Management Lab and Toolbox (1st or 2nd sem at student's choice)	15
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Smart Maintenance Management (1 sem)	5
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Operations Risk Management and Resilience (1 sem)

Industrial Asset Management (1 sem)	5
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Agile Project Management (1 sem)

Quality Management (1 sem)



Coordinate and Integrate

Major

Industry 4.0

The Major **Industry 4.0** aims to provide students with a set of advanced competences to understand and leverage the **connections between manufacturing, management and digital technologies**. Students will have the opportunity to learn how to deal with the 4th industrial revolution in terms of technologies, markets, management and business models

Smart Manufacturing Lab (ING-IND/16 e 17)

10

Digital Manufacturing (ING-IND/17)

Industrial Automation and Robotics (ING-INF/04)

10

Manufacturing Systems Engineering I (ING-IND/16)

Additive Manufacturing (ING-IND/16)

5



Innovation Management

The Major in **Innovation Management** aims to provide students with the competences required to design, develop, test, and implement innovation projects for mastering emerging technological trends and seizing new business opportunities. The mandatory course of “Economics of Innovation and New Technology” provides students with the **fundamental analytical skills of economic analysis**. The students then choose two courses out of six in the areas of agile project management, intellectual property management, corporate finance, product lifecycle management, digital business and design thinking.

Innovation in Action Lab (ING-IND/17 and 35)	10
Economics of Innovation and New Technologies (ING-IND/35)	5
Agile Project Management (ING-IND/17)	10
Patents and Intellectual Property Management (ING-IND/35)	
Product Life Cycle Management (ING IND/17)	
Corporate Finance (ING-IND/35)	
Digital Business (ING-IND/17)	
Design Thinking for Business (ING-IND/35)	



Major

International Business

The Major International Business aims to introduce students to the **challenges related to globalization, international competition and reshoring** in the post-Covid-19 era . Students will learn how to manage firms operating in foreign markets and how to set-up the internationalization process of an enterprise dealing with **different and distant cultural, socio-economic, institutional and business environments**

Invest in Foreign Markets Lab (ING-IND/35)

10

International Economics (SECS-P/02)

Economics and Management of Multinational Enterprises (ING-IND/35)

International Markets and European Institutions (SECS-P/02)

Development Economics (ING-IND/35, SECS-P/01)

15



Major

Supply Chain Management

The Major **Supply Chain Management** aims to provide students with the set of advanced competences and skills required to **manage global supply chains, from the definition of the strategy to its execution, through the processes of plan, source, make, and deliver**. Students will learn how to manage sustainability, innovation and finance from a supply chain perspective

Advanced Supply Chain Planning Lab (ING-IND/17)
Supplier Relationship Management Lab (ING-IND/35)

10

Supply Chain Management (ING-IND/17 and 35)

5

Purchasing and Supply Management (ING-IND/35)
Global Supply Chain Planning (ING-IND/17)
International Distribution (ING-IND/17)
Supply Chain Innovation (ING-IND/17)
Global Supply Chains and Networks (ING-IND/35)
Green Logistics (ING-IND/17)

10



Major

Sustainability and Social Impact

The Major **Sustainability and Social Impact** aims to get students acquainted with the **societal challenges, the new economic paradigms and the technological breakthroughs that are giving rise to the purpose-driven economy**. Students will learn how to develop and implement **managerial models, innovations, strategies, finance and investing approaches** able to envision solutions that proactively tackle **social and environmental problems while also pursuing economic sustainability and profit**

Sustainable and Social Innovation Lab (ING-IND/35)	10
Management for Sustainability and Impact (ING-IND/35) Collaborative Innovation for Sustainability and Impact (ING-IND/35)	10
Sustainable Manufacturing (ING-IND/17) Innovation in Health and Social Care (ING-IND/35) Policy Design and Evaluation (SPS/04) Global Environmental Challenges (ING-IND/35)	5

