



POLITECNICO
MILANO 1863

Il secondo anno di Ingegneria Gestionale

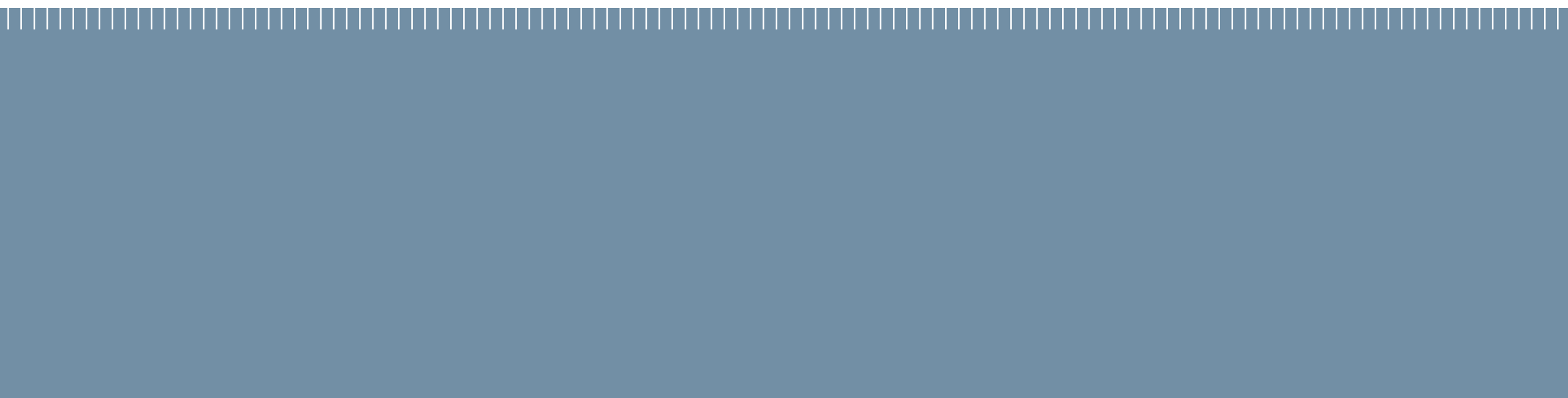
Stefano Ronchi

23 settembre 2019

Agenda

- L'universo Politecnico
- Il Corso di Studio in Ingegneria Gestionale
- Il curriculum del terzo anno
- Le opportunità internazionali
- Vivere il Campus

L'universo Politecnico





La dimensione “umana”



Il Logo prende origine da un cartone di Raffaello - “La Scuola di Atene” - conservato presso la Pinacoteca Ambrosiana, Milano



Over **1.400** professors and
1.200 professional staff

Over **45.000**
students

12
departments



Schools of
**Architecture,
Design,
Engineering**

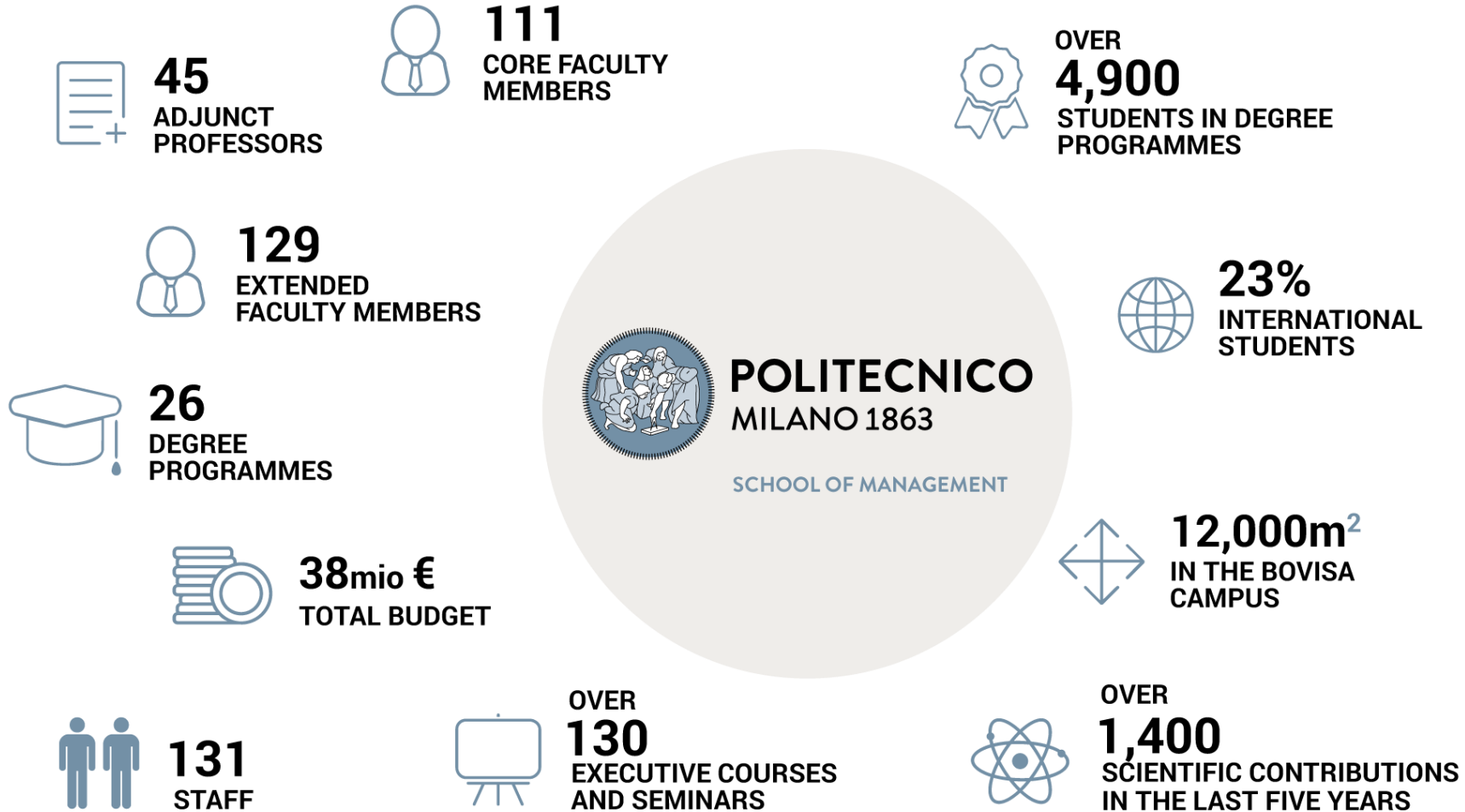
Ranked **no.1 in Italy,**
no. 6 in Europe, no. 16 worldwide
QS World University Ranking 2019,
Engineering & Technology

Il Corso di Studio in Ingegneria Gestionale

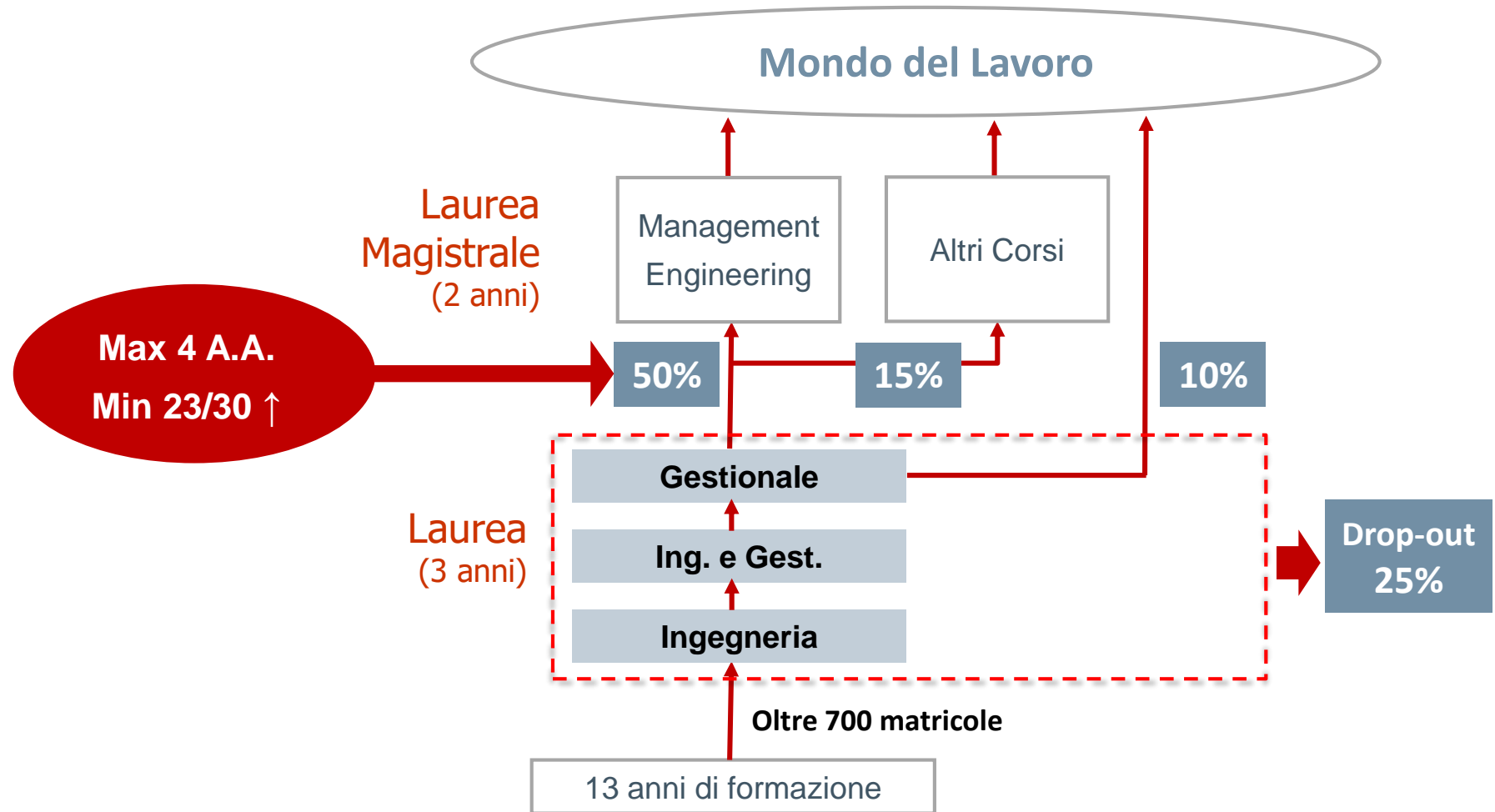


School of Management:

Mission: «*To impact on society by creating and sharing knowledge at the intersection between engineering, management and economics*»



Il Percorso



Obiettivi di apprendimento

1. **Comprende** i principi scientifici ed ingegneristici fondamentali e la loro declinazione nelle diverse tecnologie adottate in impresa
2. **Conosce** le variabili di contesto, le funzioni, i processi e le aree decisionali fondamentali in ambito aziendale ed industriale
3. **Progetta** soluzioni applicando l'approccio scientifico ed ingegneristico (apprendimento, ragionamento e modellizzazione basati su una solida preparazione multidisciplinare) nell'affrontare problemi ed opportunità in ambito aziendale ed industriale
4. **Interagisce** in modo professionale, efficace, responsabile e costruttivo con i colleghi in ambito lavorativo



Sintetizza le informazioni generali e le regole del Corso di Studio (Pubblicato ogni anno in primavera)

Contenuti importanti:

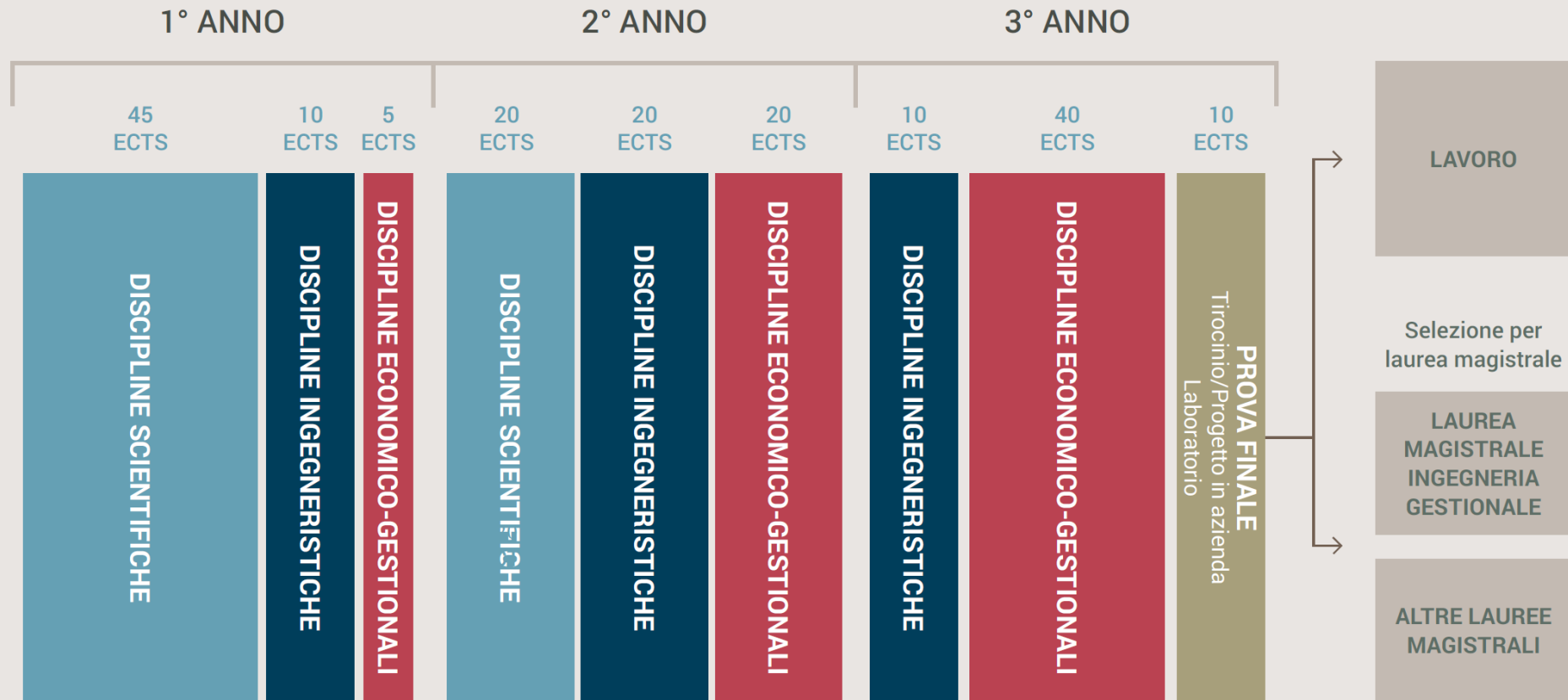
- Presentazione generale del Corso di Studio
- Obiettivi formativi generali
- Sbocchi professionali e mercato del lavoro
- Schema del Corso di Studio e successivi livelli di formazione
- Contenuti del Corso di Studio (requisiti e modalità didattiche e di frequenza)
- Piano di studi (Insegnamenti a scelta, precedenza, attività supplementari)
- Contatti utili

www.polimi.it → Corsi → Laurea Triennale

Il curriculum del terzo anno



Il Percorso Formativo della Laurea Triennale



Il Curriculum degli Studi: 1° anno

1° ANNO - Insegnamenti	Sem	ECTS
Analisi Matematica I e Geometria	1	10
Informatica	1	10
Fisica Sperimentale	1	10
Analisi Matematica II	2	10
Probabilità e Statistica Matematica	2	5
Fisica Tecnica	2	5
Elettrotecnica	2	5
Economia I (Microeconomia)	2	5

Il Curriculum degli Studi: 2° anno

2° ANNO - Insegnamenti	Sem	ECTS
Metodi di Ottimizzazione della Ricerca Operativa	1	10
Fondamenti di Automazione	1	10
Impresa e Decisioni Strategiche	1	10
Tecnologia Meccanica e Qualità	2	10
Tecnologie Digitali	2	10
Gestione dei Sistemi Logistici e Produttivi	2	10

Il Curriculum degli Studi: 3° anno

3° ANNO - Insegnamenti	Sem	ECTS	ECTS
Sistemi Integrati di Produzione	1	10	10
Fondamenti Chimici per le Tecnologie	1	10	
Sistemi Energetici	1	10	
Applicazioni dell'Energia Elettrica	1	10	
Scienza delle Costruzioni	2	10	
Elementi di Macchine e Meccanica Applicata	2	10	
Gestione e Organizzazione Aziendale	1	10	10
Gestione degli Impianti Industriali	1	10	10
Economia II (Macroeconomia)	1	5	5
Comportamento Organizzativo	2	5	5
Business Data Analytics	2	10	10
Laboratorio Dati e Processi	2	7	7
Tirocinio / Project Work	2	7	
Prova Finale	2	3	3

A partire da marzo 2017 abbiamo lanciato insieme al Career Service un progetto pilota per gli studenti del terzo anno della laurea triennale

- Attività volta alla valutazione di alcune competenze comportamentali
- Ogni studente ha la possibilità di conoscere meglio i propri punti di forza e le aree di miglioramento:
 - Lavoro di gruppo su un caso e proposta di soluzione
 - Colloquio individuale
 - Feedback individuale strutturato sul profilo delle competenze
- Gli assessor sono professionisti con competenze specifiche e non rappresentano le aziende di provenienza



Le opportunità internazionali



International Exchanges at Management Engineering



International Exchanges at Management Engineering

Standard “Erasmus” exchanges

Normally 1 semester abroad
(on average 30 credits)

More than 150 destinations
worldwide

Both at BS and MS level

Cultural experience

International Alliances

Normally 1 year abroad (it
depends by programs), possibly
in more sites

Alliance4Tech, UNITECH,
Global3, QTEM

MS level

Intensive experience

International Double/Dual Degrees

1,5-2 years abroad

- International Double Degrees promoted by POLIMI (more than 40 programs), at BS and MS level
- International Dual Degrees promoted by SoM-POLIMI (Audencia, Solvay, Tongjii, Tsinghua), only at MS level

**Intensive experience,
Double degree**

International Double (Dual) Degree promoted by POLIMI-SoM

- Dedicated programs for MSC of ME
- 5 positions for each institution every year
- 1,5 years abroad (80-90 credits)
- Suggested streams for each institutions
- Only for MSC



International Alliances – UNITECH

- Up to 1 year abroad, in 1 site
- 3 weeks along the year of mutual experiences (in other 3 sites)
- Approx. 20 extra credits to be done, above the standard credits
- UNITECH standard plans exist, based on the academic offering of partners
- **1 specific call in POLIMI**
- <https://www.polimi.it/studenti/esperienze-allestero/mobilita-per-studio/unitech/>
- Approx. 1-2 students from ME per year, based on internal competition



International Alliances – Alliance4Tech

- **Founded in 2016**, it is still at pivotal stage
- “**Free mobility**” idea: students can move among European campuses, collecting credits
- It is based on a **2-semester abroad** approach
- **A list of available courses for each site is available**
- Up to **10 positions for ME at MSC level**
- www.alliance4tech.eu
- **Part of the regular mobility call**

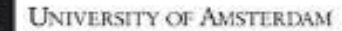


International Alliances – QTEM

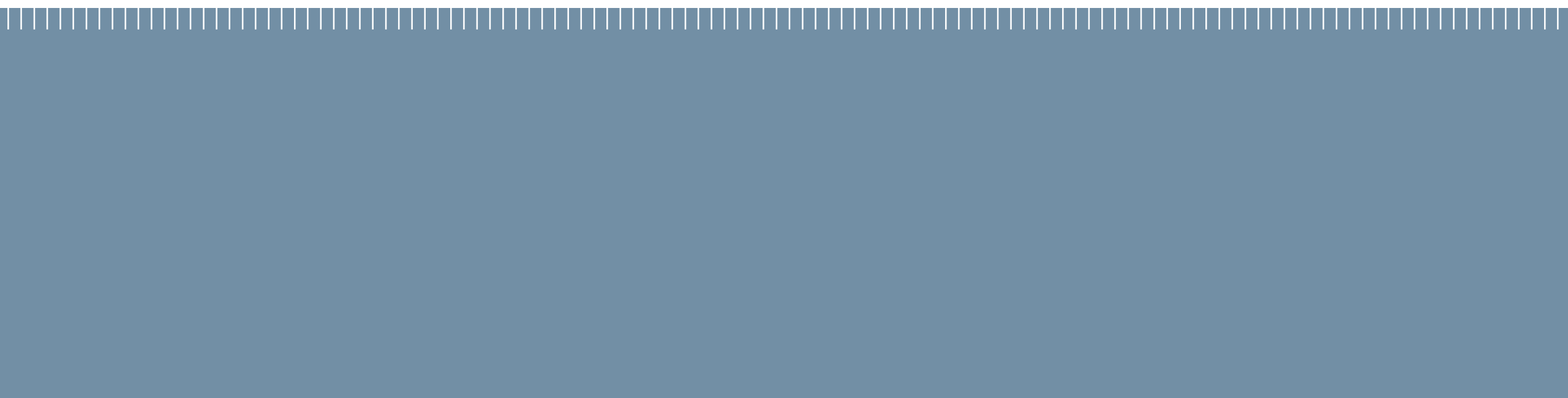
- QTEM, **Quantitative Techniques for Economics and Management**, is a global network which aims to bring together outstanding students, Academic Partners and International Corporations



- QTEM focuses on developing skills in **analytical and quantitative techniques** to support decision making in an international context



Vivere il campus



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 ...





Facebook:

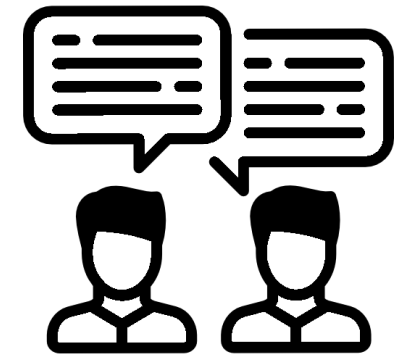
<https://it-it.facebook.com/GestionaleRisponde/>

#BeCurious



#BeProtagonist

#KeepinTouch



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.

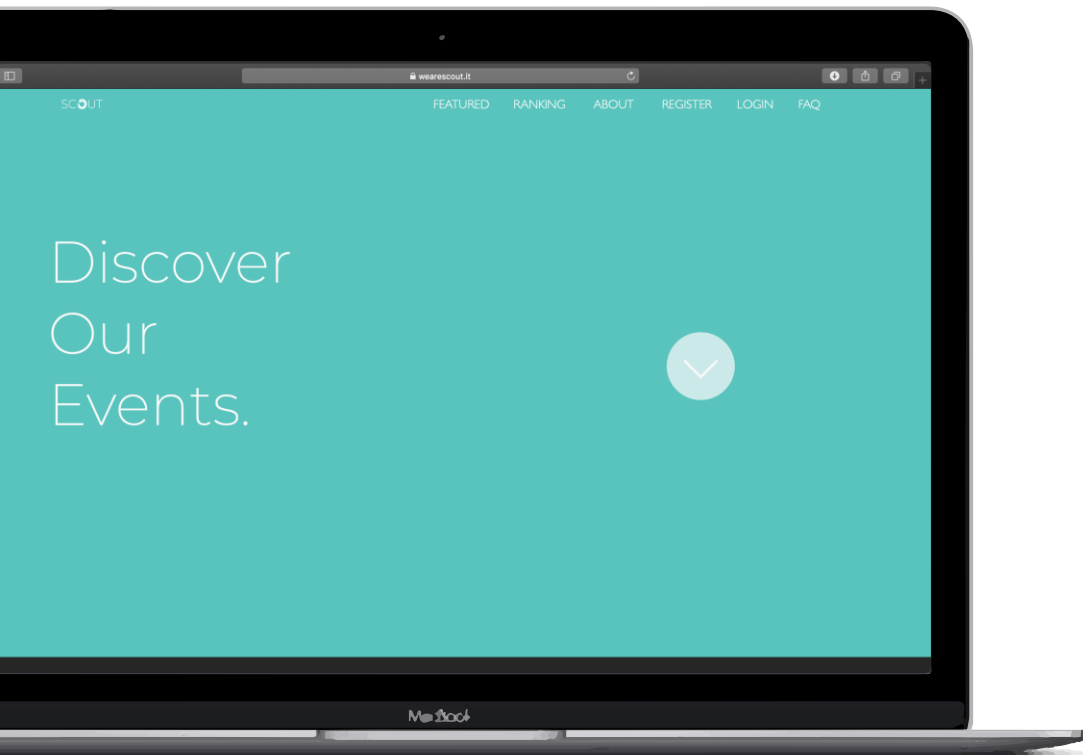
The Ecosystem



Other Polimi Associations
<https://www.polimi.it/studenti-iscritti/rappresentanti-e-associazioni/>

SCOUT

Sharing Knowledge by Experience



Create a **reference hub** for students who are curious about **corporate strategy & development** and **consulting**

Ease up **knowledge sharing** between members and organizations by organizing **events hosted by partner companies**

Foster participation with the objective of helping students improving their **networking, soft and hard skills**

Our events' format



Guided **Strategy Business Case** and **Topic focus**



Brainstorming session about innovative and challenging topics



Guided visit to **strategic industrial sites** or **companies' headquarters**

YOU CAN REGISTER ON
OUR WEBSITE TO BE PART
OF THE COMMUNITY
AND TAKE PART TO OUR
EVENTS



SCAN ME



GUIDED TOUR TO
DATACENTER CAMPUS HUB

9/11/18



WORKSHOP AND
NETWORKING COCKTAIL

17/01/19



WORKSHOP AND BUSINESS
CASE SOLUTION

3/06/19

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[wearescout.it](https://www.linkedin.com/company/wearescout.it)

If you want to become an active part of the team and start working as a **SCOUT member**, write us an email to:

info@wearescout.it



**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**
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

ALLIANCE TECH

European Campus without borders:
a real international experience!



Alliance4Tech is a strategic alliance, formally established in 2015, among 4 prestigious European technical universities: Centrale Supélec of Paris, Politecnico di Milano, TU-Berlin, University College London.

Alliance4Tech combines four institutions of excellence, different for culture and location, but with the same passion for human and technological evolution, in the economic heart of Europe. Its goal is to create a real European Campus without borders for its students and professors.

Alliance4Tech offers talented and deserving students an innovative educational path, during which they can carry out their studies in at least three different countries.

Students can apply to the programme by participating in the international mobility call. The selected students, up to a maximum of 10, have the opportunity to choose to spend a full semester in Berlin and/or a full semester in Paris.

While applications may be submitted during the last year of the Bachelor's Degree, participation in the Alliance4Tech programme will be open to MSc students only.

To find out more, please visit the [Alliance4Tech](https://www.alliance4tech.com) website



FINANCE CLUB

Our **mission** is to get students close to the financial world through events inside the university & company visits.



On Campus Events

- Experts hosted at the Politecnico to speak about some of the main topics related to the financial world

Company Visits

- Company visits in Milan
- Finance Study Tour in London

STAY UPDATED!

Facebook



Link: <https://www.facebook.com/School-of-Management-Finance-Club-PoliMi-715866432087380/>

LinkedIn



Link: <https://www.linkedin.com/company/school-of-management-finance-club-polimi/>