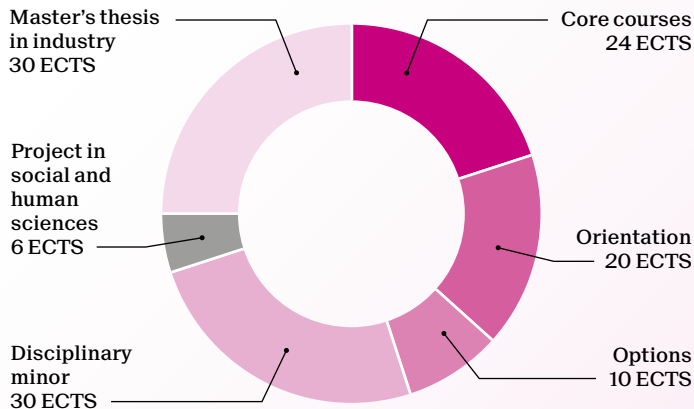


## MANAGEMENT, TECHNOLOGY AND ENTREPRENEURSHIP

2-year program - 120 ECTS



### Orientations:

- A** Strategy, innovation and entrepreneurship
- B** Operations management and systems modeling
- C** Business analytics

### Disciplinary minor

In order to get additional expertise in their original technological field of study, the MTE master students must complete a "disciplinary minor" (30 ECTS) in the field of their Bachelors' degree.

### Admission requirements:

- Bachelor's degree in engineering or in a scientific discipline such as Mathematics, Physics, Chemistry or Life Sciences.
- Solid background in statistics, probability theory and linear algebra.
- Proficiency in English (The curriculum of the MTE program is entirely in English).

### Career prospects

Graduates will have acquired the knowledge and developed the skills necessary for successfully bridging the worlds of technology and business in a large variety of organizations (such as small start-ups, large established firms, consulting firms, public organizations, VCs, and Tech Transfer Offices). For instance, at the start of the career they may work in junior or associate positions in Production and Manufacturing, Supply Chain and Logistics, Product & Project Management / Development, R&D, Innovation Management or Business Analytics.

Their unique profile makes them also particularly attractive candidates for joining a start-up team in a technology environment.

**College of Management of Technology**  
[go.epfl.ch/master-management-tech-entrepreneur](http://go.epfl.ch/master-management-tech-entrepreneur)  
 contact: [mte@epfl.ch](mailto:mte@epfl.ch)

	Credits
<b>Core courses</b>	<b>24</b>
Accounting for finance	2
Applied corporate and industry analysis	3
Applied probability and stochastic processes	4
Introduction to econometrics	4
Performance management	2
Principles of finance	5
Principles of microeconomics	4

Orientation	A	B	C	20
Applied data analysis			C	8
Apprentissage et intelligence artificielle			C	4
Causal inference			C	4
Climate entrepreneurship	A			5
Computational social media			C	4
Continuous improvement of manufacturing systems		B		5
Convex optimization			C	5
Corporate strategies for global sustainability	A	B		4
Corporate strategy	A			4
Design in innovation: creation for adoption	A			4
Data science for business		B	C	6
Entrepreneurship and new venture strategy	A			4
Information: strategy and economics		B	C	4
Innovation and entrepreneurship in engineering	A			10
Innovation management in the digital age	A			4
Logistique et analyse de la demande		B		4
Machine learning			C	8
Management de projet et analyse du risque		B		4
Management of intellectual property	A			3
Mathematics of data: from theory to computation			C	6
Optimal decision making		B	C	4
Production management		B		5
Reinforcement learning			C	6
Statistical inference and machine learning			C	4
Statistics for data science			C	8
Strategic marketing and technology commercialization	A			4
Supply chain management		B		4
Technology and innovation strategy	A			3
Technology, sustainability and public policy	A	B	C	4
Value chain management in practice		B		4
Venture capital	A			4

Options	10
Energy supply, economics and transition	2
Foundations of digital humanities	6
Global business environment	4
Globalisation, robotics and the future of work	4
Intercultural presentation skills	2
Leading and managing in a global context	4
Negotiation techniques	2
New space economy	3
Power system restructuring and deregulation	3
Practical business law	4
Transitions, sustainability and technology policy	4