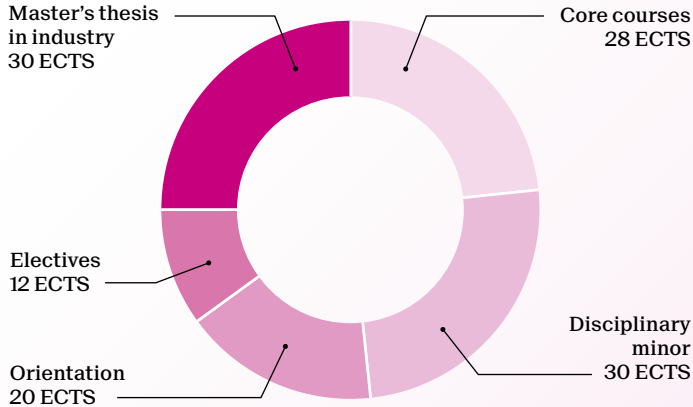


Master of Science in
**MANAGEMENT, TECHNOLOGY
AND ENTREPRENEURSHIP**

2-year program - 120 ECTS



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.

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
master.epfl.ch/management
[contact: mte@epfl.ch](mailto:mte@epfl.ch)

| | Credits |
|---|-----------|
| Core courses | 28 |
| Applied corporate & industry analysis (MTE master only) | 2 |
| Applied Probability & Stochastic Processes | 4 |
| Financial & Managerial Accounting | 4 |
| Introduction to econometrics | 4 |
| Principles of Finance | 4 |
| Principles of Microeconomics | 4 |
| Project in human and social sciences | 6 |

| Disciplinary minor | 30 |
|---|-----------|
| Minor in student's original technical field of study (Bachelor) | |

| Orientation | 20 |
|--------------------|-----------|
|--------------------|-----------|

| A/Strategy, Innovation & Entrepreneurship | |
|--|---|
| Corporate Strategy | 4 |
| d.Thinking: Real Problems, Human-focused Solutions | 5 |
| Economics of innovation and IP | 4 |
| Entrepreneurship & New Venture Strategy | 4 |
| Entrepreneurship Laboratory (e-lab) | 4 |
| Industry Dynamics, Models & Trends | 4 |
| Innovation management | 4 |
| Strategic Marketing & Technology Commercialization | 4 |
| Technology & Innovation strategy | 4 |
| Venture capital | 4 |

| B/Operations Management & Systems Modeling | |
|--|---|
| Data Science for Business | 4 |
| Information: Strategy & Economics | 4 |
| Logistique et analyse de la demande | 4 |
| Management de projet et analyse du risque | 4 |
| Operations: Economics & Strategy | 4 |
| Optimal Decision Making | 4 |
| Production Management | 5 |
| Quantitative Systems Modeling Techniques | 4 |
| Simulation and Optimisation of Industrial Applications | 4 |
| Supply Chain Management | 4 |
| Value Chain Management in Practice | 4 |

| C/ Business Analytics | |
|---|---|
| A network tour of data science | 4 |
| Applied data analysis | 6 |
| Convex optimization | 4 |
| Data science for business | 4 |
| Data science in practice | 3 |
| Information: strategy & economics | 4 |
| Mathematics of data: from theory to computation | 4 |
| Network analytics | 3 |
| Optimal decision making | 4 |
| Machine learning | 7 |
| Statistics for data science | 6 |

| Electives | Focus | 12 |
|--|--------------|-----------|
| Corporate governance | 3 | 4 |
| Economics of innovation & management in energy | 1 | 2 |
| Environmental Policy | 3 | 4 |
| Global business environment | 3 | 4 |
| Information technology & digital strategy | 1 | 4 |
| Intercultural presentation skills | 2 | 2 |
| Leading and managing in a global context | 2 | 4 |
| Negotiation techniques | 2 | 2 |
| Non-Market competition and risk governance | 1 | 2 |
| Organizational behavior | 2 | 2 |
| Practical business law | 3 | 4 |
| Technology policy and the energy transition | 1 | 2 |

1. Industry Focus
2. Skill Augmentation
3. Particular Interests