

Studienperspektive Management, Technologie und Ökonomie

Studieninfotage

4. und 5. September 2024



Willkommen!

Agenda und Vortragende



1 Einführung

Carrie Joda
Studienkoordinatorin
MSc MTEC



2 Fragen und Antworten

MSc MTEC Studierende

Warum heute bereits über den Master nachdenken?



“From lifelong employment to lifelong employability.”

Warum

einen Master of Science am D-MTEC machen?

- Weiterentwicklung von ingenieurs- und naturwissenschaftlichen Profilen
- Kein rein betriebs- oder volkswirtschaftliches Studium
- Integration in die ETH-Domäne, Nähe zu Technologie und Wissenschaft

D-MTEC Forschungsbereiche und Professuren

Economic Dynamics



Peter Egger
Applied Economics:
Innovation and Internationalisation



Hans Gersbach
Macroeconomics:
Innovation and Policy



Marko Köthenbürger
Public Economics



Barton Lee
Political Economy and
eDemocracy



Jan-Egbert Sturm
Applied
Macroeconomics

Human and Entrepreneurial Behaviour



Bart Clarysse
Entrepreneurship



Gudela Grote
Work and
Organizational
Psychology



Petra Schmid
Organizational
Behavior

Natural Resources



Lint Barrage
Energy and Climate
Economics



Lucas Bretschger
Economics / Resource
Economics



Robert Finger
Agricultural
Economics and Policy



Massimo Filippini
Energy and Public
Economics

Supply Chain and Information Systems



Elgar Fleisch
Information
Management



Torbjørn Netland
Production and
Operations
Management



Stephan Wagner
Logistics
Management

Systems Design and Risks



Antoine Bommier
Integrative Risk
Management and
Economics



Ursula Renold
Education Systems



Frank Schweitzer
Systems Design

Technology and Innovation



Stefano Brusoni
Technology
and Innovation
Management



Volker Hoffmann
Sustainability and
Technology



Georg von Krogh
Strategic
Management and
Innovation



**Florian von
Wangenheim**
Technology Marketing

Digitale Transformation

Der Umgang mit neuen Technologien ist essenziell



Klimarisiken

Nachhaltigkeit als Chance für Innovation in Wirtschaft und Gesellschaft



Eine neue Generation von Managerinnen und Managern

Integration von Mensch, Technologie und System



Eine kleine Auswahl unserer Vorlesungen

New
Technologies
in Banking
and Finance

Economic
Growth,
Cycles and
Policy

Technology
and
Innovation
Management

Power and
Leadership

Diffusion of
Clean
Technologies

Climate
Finance

Corporate
Sustainability

Systems
Dynamics
and
Complexity

Digital Health

Global
Operations
Strategy

Technology
Entrepreneur-
ship

A hand is shown in the process of placing a wooden block onto a tall, narrow tower of Jenga blocks. The background is a blurred indoor setting with warm lighting. The hand is positioned on the right side of the frame, reaching towards the tower on the left. The tower is composed of many rectangular wooden blocks stacked on top of each other. The hand is holding a single block, ready to be added to the top of the stack. The overall scene conveys a sense of building, construction, and careful planning.

Core Courses

Electives

Supplementary Courses

Internship

Master's Thesis

Gestalte Dein Studium

Programm Struktur

Die wesentlichen Bausteine des MSc MTEC Programms

1st semester	2nd semester	3rd semester	4th semester	CP
Core Courses in 6 Skill Areas				≥ 51
Buddies Programme				
	D-MTEC Electives			≥ 10
	Supplementary Courses			12
	MTEC Mentoring Programme			
	Career Talks, joint workshops with companies			
		Internship		6
			Master's Thesis	30
Master of Science in Management, Technology, and Economics				120

Programm Struktur

Förderung der beruflichen und persönlichen Entwicklung

1st semester	2nd semester	3rd semester	4th semester	CP
Core Courses in 6 Skill Areas				≥ 51
Buddies Programme				
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Master of Science in Management, Technology, and Economics				120

Unsere "Special programmes"



Buddies Programm

- **Receive guidance** on your studies and life at ETH Zurich in a friendly and informal setting
- **Further develop** your interpersonal and social skills in a vibrant multicultural community
- **Find inspiration and motivation** by engaging with 2nd and 3rd year students



Entrepreneurial Leadership Seminar

- **Gain insight** into organisations such as Roche, Georg Fischer, Hirslanden, Swisscom, Stadler, ABB or PwC
- **Collaborate with top management** on real business challenges
- **Explore career opportunities** within our partner companies



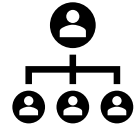
Mentoring Programm

- **Interact one-on-one** with industry leaders and experienced professionals
- **Reflect and improve** your career planning guided by a mentor
- **Explore new ways** to strengthen your personal and professional skills

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Wo unsere MSc MTEC Alumni arbeiten:



Management Consulting



Engineering & Technology



Finance & Investment



Start-ups



Pharma & Healthcare



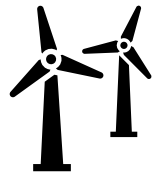
Insurance



Mobility



Public Sector & NGOs



Energy



Consumer Goods

62%

arbeiten in Management Positionen.

17%

arbeiten in Start-Ups. Die Hälfte davon als Gründungsmitglieder oder im Top-Management.

Source: D-MTEC Alumni Survey 2020 (n=178).

Der MSc MTEC Jahrgang 2023



75 students



18 nationalities

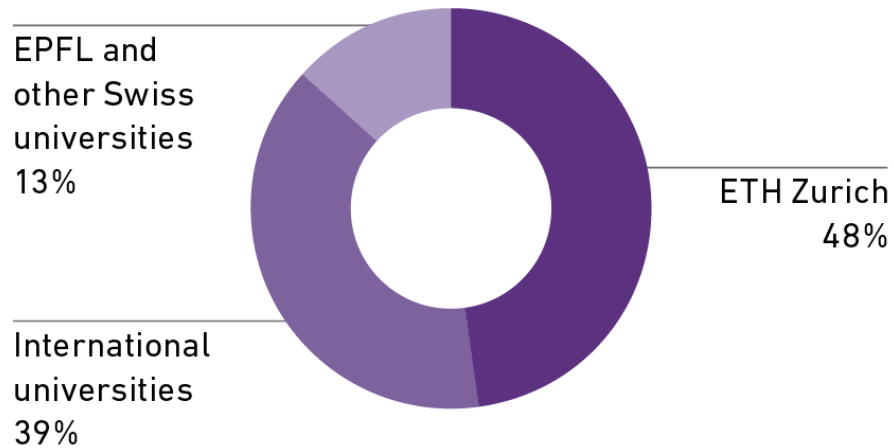


24 average age

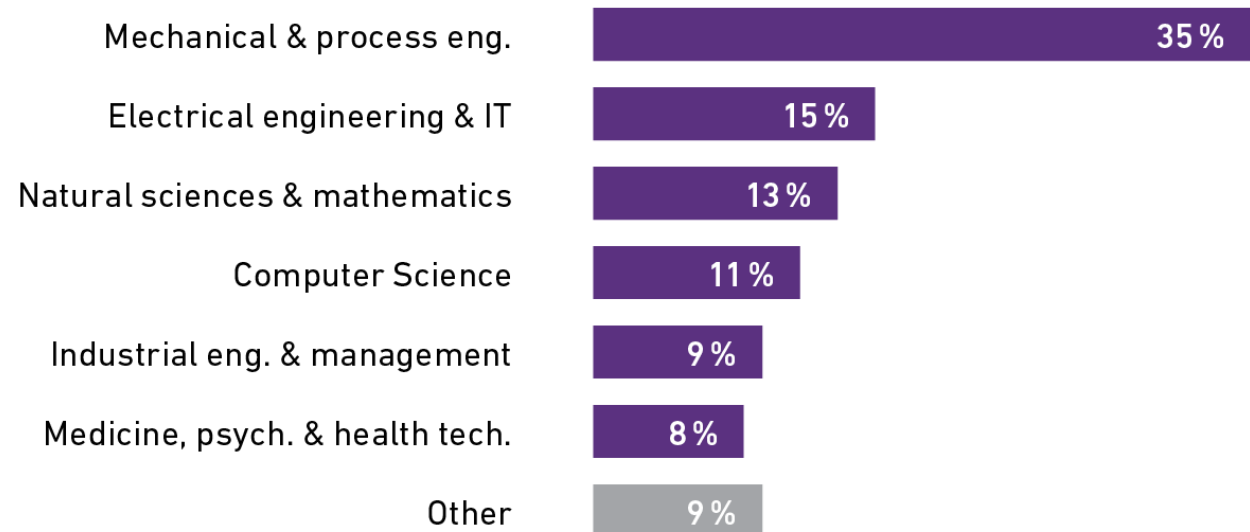


33% women

Previous university



Previous field of study



Source: ETHZ Academic Services, November 2023.
Percentage not aggregating to 100% is due to rounding.

Wie geht es weiter?

- Q&A mit MSc MTEC Studierenden
- Impulsvortrag
- Offene Fragen am Ende stellen oder per Mail an **msc-mtec@ethz.ch**

Weitere Informationen zu unserem Programm findet Ihr auf unserer Webseite

- www.mtec.ethz.ch/studies

Bleibt mit uns in Kontakt via Social Media und Infomailing

- www.linkedin.com/company/mtec-ethzurich
- www.x.com/d_mtec
- www.mtec.ethz.ch/msc-infomailing



ETH Chair of Entrepreneurship

Developing entrepreneurial capabilities and supporting
student entrepreneurs @ETHZ



The Chair of Entrepreneurship @ETHZ



1. We are a research-based group, part of the Department of Management, Technology, and Economics

2. Everything we do, from our research to our teaching, is geared to helping students who want to become entrepreneurs, and more senior entrepreneurs, become more confident, and maybe even better entrepreneurs

But...

who is an entrepreneur?

and what are entrepreneurial skills and capabilities?

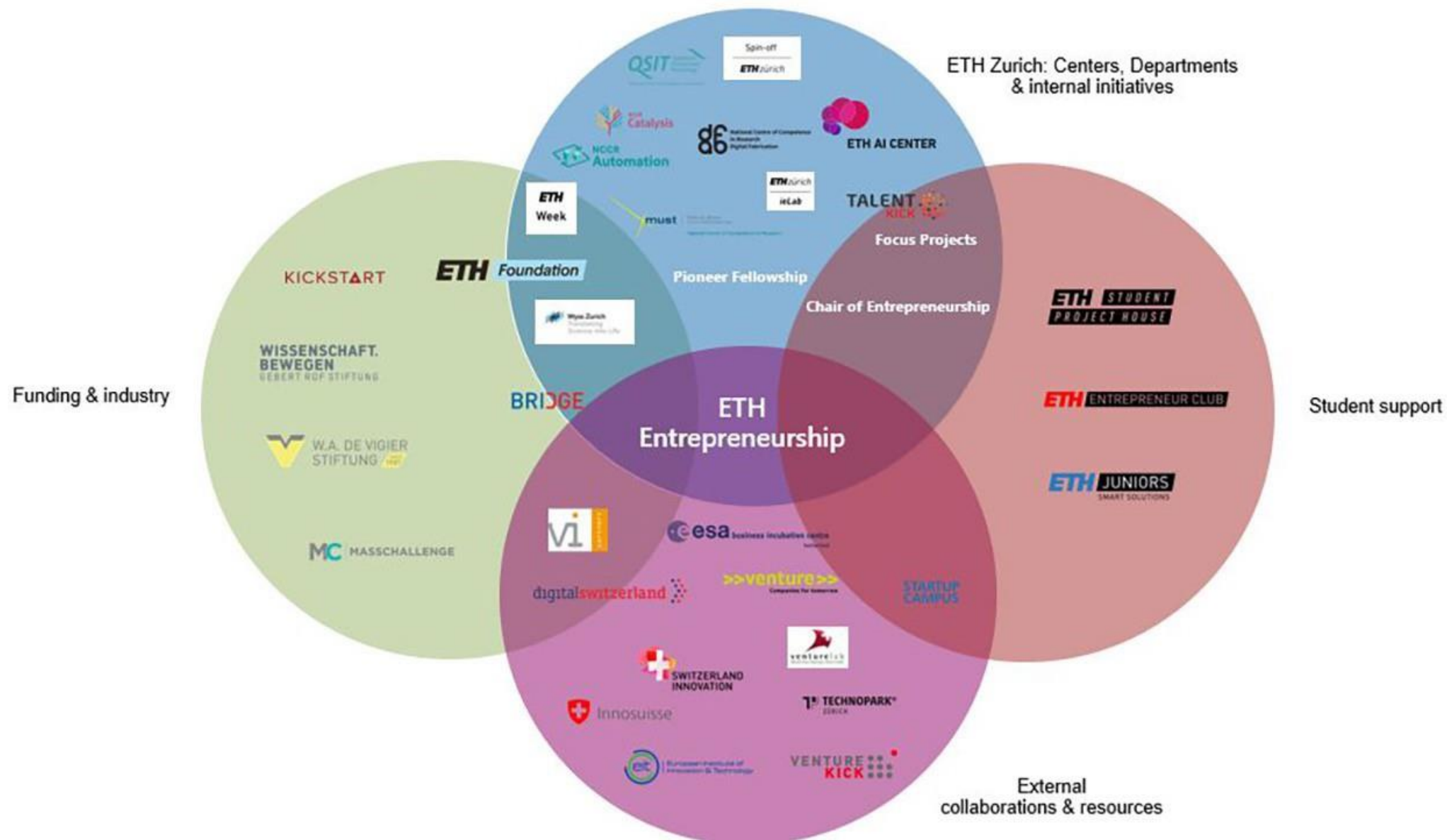


Some ETH entrepreneurs... but there are many many many more...



SENSIRION

ETH Entrepreneurship Ecosystem



Our expertise



Science-based ventures

- Technology incubation & pioneers (Bart)
- Deep-tech ventures (Samira)
- Technology framing (Wouter & Rhea)



Entrepreneurial support organizations

- Accelerators (Laurens)
- Venture studios (Constanze)



Sustainability & grand challenges

- Narratives & pitching (Rhea)
- SDGs and CSR (Maria)
- Impact investing (Laurens)

Industry relations



kyriba™



BOSCH



ETH – Startup Finance Circle (ETHSFC)

CFO Forum for Startups & Scale-ups

Our teaching is geared toward **students with a science or engineering background that wish to explore entrepreneurial thinking and activities**



Technology Entrepreneurship – guest speaker series on key topics in entrepreneurship to give students an understanding of what it is like, and what it takes, to be an entrepreneur.



Entrepreneurship – introduces key entrepreneurial concepts and takes students through the journey of developing a business idea, creating a business plan around it and pitching that idea to investors in a Dragon's Den event.



Certificate of Advanced Studies in Entrepreneurial Leadership in Technology Ventures (CAS ELTV) – supports ETH's deep tech accelerator program, it is for students who already have a business idea and intend to develop a business around it – students learn about entrepreneurial strategy, leadership, team formation, marketing and sales, venture financing, venture growth and sustainability in ventures.

Teaching highlights: Tech Entrepreneurship

12 sessions (hybrid, on-campus with recording)

10/11 guest lecturers, including Jim Pulcrano, Ulf Claesson, Eric Botto, Lorenz Meier & other experts in the Swiss ecosystem

300 students and growing

Open to all ETH students, high turnout

Teaching highlights: Entrepreneurship

Lecture sessions & coaching sessions

120 students and growing

Mostly MAS & MTEC students

Work on entrepreneurial ideas, sometimes with student enterprises as result

Teaching highlights: CAS

Block I: Core Knowledge

5 modules: 2 days (Thu & Fri) every 2 months | Online materials available year-round

Providing research-based insights into entrepreneurial topics by ETH's world class faculty

Entrepreneurial Strategies

Entrepreneurial Leadership
& Teams

Entrepreneurial Marketing
& Sales

New Venture Finance
& Legal

Scaling New Ventures &
Sustainable Business Models

Blended Learning: Online materials available on Interactive Platform throughout 12-month programme duration – Learn at your own pace

Block II: Leadership Development

5 workshops: 1 day (Sat) every 2 months | Individual Coaching | **One-week off-site study trip**

Guiding participants in unfolding their leadership potential, becoming more confident & inspiring leaders, and presenting themselves as such

Leadership, Communication
& Team Dynamics

Personal Branding

Storytelling
& Impactful Presentation

Social Study Trip (Lausanne)

- > Leadership theory in practice
- > Networking & Teambuilding within cohort
- > Agility exercises: Theatre games, building confidence

Block III: Business Trajectory

Ongoing throughout the programme: ad-hoc support.

Supporting participants transforming their ideas to more robust and scalable projects

Custom-tailored coaching

Peer learning through pitching
& Presenting

Block IV: Peer Learning & Network

Ongoing: Networking events with alumni, faculty, coaching staff and within the cohort

Enabling peer learning and networking

After-workshop apéro (5x)

Networking Events

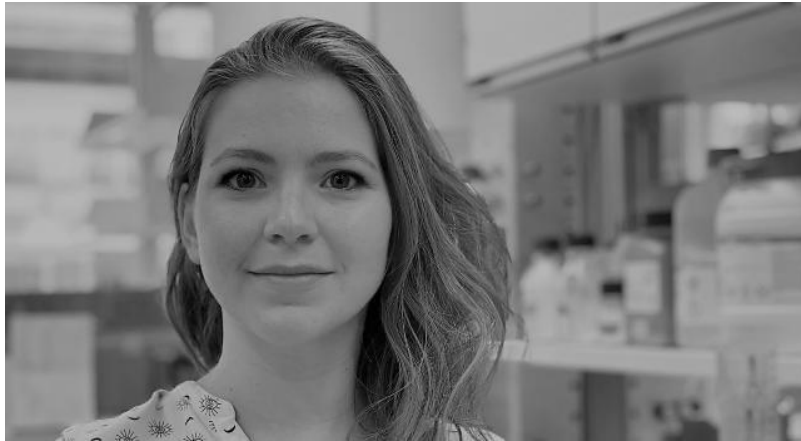
- > Programme-opening
- > Programme-closing

We support ETH's Deep Tech Acceleration Program – CAS ELTV

apheros®

tethys
ROBOTICS

CATERRA



We help student entrepreneurs contribute to sustainable development through their technologies and business ideas



We connect students to entrepreneurs and investors through guest lectures, mentoring, and networking opportunities



What is it like to be an entrepreneur...



.... according to Matteo Berlucchi – serial entrepreneur and founder of Healthily