



MSc MTEC Study Guide

This booklet provides information and advice on how to effectively manage your studies.

Welcome to the MSc MTEC programme

Dear MSc MTEC student,

It is a great pleasure to welcome you to the Master of Science programme at the Department of Management, Technology, and Economics at ETH Zurich!

In the upcoming four semesters, you will obtain the skills needed to develop systematic solutions to meet today's most pressing challenges in business and civil society. You will learn how to shape innovative business practices, master the ins and outs of agile workflows, and find sustainable solutions in a world of finite resources.

This Study Guide provides information and links to help you navigate your studies. We hope it will enable you to identify opportunities to make the most of your MSc MTEC experience – both within and outside of the curriculum. The Entrepreneurial Leadership Seminar, for example, allows you to work on a real-world business case in close collaboration with a company's top management. You will also have the chance to step into the corporate world during your internship, in the Mentoring Programme and in the course of writing your Master's thesis.

Much of what you take from your studies will come from your fellow students. The diverse academic backgrounds present in the MSc MTEC programme will provide you with fresh perspectives. Make sure to sign up for the Buddies Programme to quickly find your place in the MTEC community and start building your network. The voluntary work of the student association "VSETH" and its sub-organisations, most notably OBIS, the association for MSc MTEC students, offer an invaluable variety of professional, political and leisure activities.

We wish you a successful and rewarding MSc MTEC journey!



Professor Bart Clarysse
Programme Director



Swantje Pless
Coordinator of Studies

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Framework

Programme regulations

The programme is governed by the MSc ETH MTEC regulations, which you can find online via the link on the right. The German version is legally binding, while the English translation serves informational purposes only and has no legal standing.



MSc ETH MTEC Regulations:
mtec.ethz.ch/msc-regulations

Tutor system

The MSc MTEC programme is tutor-driven. The tutor is a D-MTEC professor and provides individual support as you create a personalised course of study (selection of Core, Elective and Supplementary Courses) based on your own talents, aims and expectations. The tutor should also be the supervisor of your Master's thesis.

In the course of the first semester, you will be asked by MSc MTEC Student Services to indicate your tutor choice. Students are not guaranteed their first choice, but we make every effort to arrange a suitable match.

We strongly recommend that you carefully read the D-MTEC Chair Guide when looking for a tutor during the first semester. An overview of the professors at D-MTEC is provided in the appendix.



Chair Guide and other guidelines
(login required):
mtec.ethz.ch/downloads-intranet

Bring Your Own Device

ETH Zurich recommends that you have a laptop with a certain minimum configuration. For students entering a study programme in the Autumn Semester 2024, laptops will be obligatory.



Details and minimum configuration
for student laptops at ETH:
mtec.ethz.ch/byod

Grades

The grading scale ranges from 1.0 to 6.0 in quarter-grade (0.25) intervals. The minimum passing grade is 4.0 and the maximum grade is 6.0. The numerical grades correspond to the descriptions given in the scheme on the right.

Grade	Description
6.0 - 5.75	Excellent
5.5 - 5.25	Very good
5.0 - 4.75	Good
4.5 - 4.25	Satisfactory
4.0	Pass
3.5	Fail
3.0	Poor
2.5	Very poor
2.0	Extremely poor
1.0	Not measurable

Performance assessments

Performance assessments are either graded or evaluated on a pass/fail basis. Failed performance assessments may be repeated once. There are three types of performance assessments, as described below.

The professors and lecturers specify the performance criteria, publish them in written form at the beginning of the semester and decide on the allocation of credit points. The Course Catalogue indicates the rules regarding performance assessments for each course.



Course Catalogue:
course-catalogue.ethz.ch

End-of-semester examinations

At D-MTEC, end-of-semester examinations are carried out during calendar weeks 23 and 24 in June and during calendar weeks 2 and 3 in January. These examinations are the most common type of performance assessments at D-MTEC and are scheduled by the department. A detailed examination schedule is available in September (Autumn Semester) and February/March (Spring Semester) every year on the MSc MTEC website.



Dates and details of examinations:
mtec.ethz.ch/msc-exams

Semester performances

Graded or ungraded semester performances are integrated performance assessments during the semester or take place outside of the regular semester schedule.

Session examinations

Session examinations are carried out during calendar weeks 4 to 7 (Autumn Semester) and 32 to 35 (Spring Semester). These examinations are planned by the ETH Examinations Office.

The table on the right shows in which calendar weeks (CW) the different types of examinations as well as the registration for end-of-semester and session examinations take place in the Autumn Semester (HS) and Spring Semester (FS).

	Autumn Semester	Spring Semester
Registration	CW 40–41	CW 10–11
Semester performances	CW 38–51	CW 8–22
End-of-semester examinations	CW 2–3	CW 23–24
Session examinations	CW 4–7	CW 32–35

Academic standards

In all written work, we trust you to come up with your own original ideas while at the same time reflecting the work that has already been done by others. By signing a Declaration of Originality you attest that (among other things) you have authored the work in question by yourself, read the Citation Etiquette information sheet on plagiarism, and adhered to the rules of citation standard in your discipline. A signed Declaration of Originality is a component of every Master's thesis, semester paper, and other qualifying paper written during the course of studies (including electronic versions). Lecturers may also ask for a Declaration of Originality to accompany other papers they have assigned. If a work was co-authored by a group, the Declaration of Originality must be signed by all members of the group. Collectively, they vouch for the entire content of the written work.



Declaration of Originality, Citation Etiquette & other guidelines (login req.):
mtec.ethz.ch/downloads-intranet

Services for managing your studies

MSc MTEC Student Services

MSc MTEC Student Services handles the following requests:

- Recognition of study achievements from ETH Bachelor's programmes
- Recognition of internships before and during the MSc MTEC programme
- Approval of Learning Agreements
- Approval of Master's theses
- Degree requests
- Adjournment of military service.



Write an email to
MSc MTEC Student Services:
msc-mtec@ethz.ch

ETH Rectorate

The ETH Rectorate is responsible for the administration of studies, including registration, enrolment and leaves of absence. You can contact the Rectorate via the Registrar's Office.



Office hours and contact information
of the Registrar's Office:
registrars-office.ethz.ch

ETH card

You will receive a personal ETH card as an electronic and visual identity card which you need to validate every semester at one of ETH Zurich's validation terminals. The ETH card enables you to access the WEV building during off-hours. For this purpose you have to create a PIN on the web page indicated to the right. A validated ETH card also entitles you to a discount at ETH canteens and cafeterias.



Create a PIN for your ETH card to
access the WEV building:
www.adressen.ethz.ch

Printing

The ETH card allows you to print and copy. Each semester, students are granted CHF 18 in credit, which may be topped at the link on the right.



Top up your print balance from within
the ETH network:
www.print.ethz.ch

Email account

As a student you will receive an ETH email account. All communication with the programme and ETH will occur via your student email account.

myStudies

myStudies is the main platform for managing your studies. On myStudies you can:

- Enrol for a new semester
- Register for courses
- Access electronic learning materials
- Register for/withdraw from examinations
- View your examination dates
- Submit your Learning Agreement
- Register for your Master's thesis
- View your Transcript of Records
- Request the issuance of your degree



Access myStudies:
mystudies.ethz.ch

Moodle

Moodle is an open-source learning platform. It provides learners, educators and administrators a virtual learning environment for uploading course material, managing assignments, and designing teaching and learning scenarios. You can access a course's Moodle page via myStudies or log in directly.



Direct access to Moodle:
moodle-app2.let.ethz.ch

ETH EduApp

The ETH EduApp is designed to help you through everyday university life and to foster interaction during courses. It displays your personal timetable with all of your registered courses, together with maps to their locations.



Access the ETH EduApp or download
it on your mobile device at:
eduapp-app1.ethz.ch

Mobility

D-MTEC strongly supports the international mobility of its Master's students. As a member of IDEA League and the International Alliance of Research Universities (IARU), ETH provides unique international exchange opportunities.

If you want to participate in an international exchange programme you must hold a Bachelor's degree from ETH Zurich. You may earn up to 30 CP by participating in international exchange programmes. The curriculum to be followed during the semester abroad must consist of courses comparable to D-MTEC courses. A prerequisite for acceptance into an international exchange programme is a grade point average of 4.5 during Bachelor's studies.

If a course is meant to count as a Core Course, you have to submit a written "confirmation of equivalence" from the relevant D-MTEC professor via email to the D-MTEC Mobility Advisor. Elective Courses can be approved by the Mobility Advisor. If a course is meant to count as a Supplementary Course, it must be listed in the Learning Agreement. A maximum of 30 CP acquired at another university can be applied toward the ETH diploma. The translation of grades and credits into ETH's grading and credit system is the responsibility of D-MTEC.

If you do not have a Bachelor's degree from ETH Zurich, you might want to consider conducting your Master's thesis abroad during a self-organised stay or engaging in IARU Global Summer Programmes. You are encouraged to attend the Student Exchange Office Infomarkt to find out about the exchange programmes ETH Zurich runs in Switzerland and abroad.



Contact the D-MTEC Mobility Advisor:
student-exchange@mtec.ethz.ch



Further information about studying abroad on the ETH Student Portal:
outgoing.ethz.ch



Further information about studying abroad on the ETH Student Portal:
infomarkt.ethz.ch

Working while studying

During the semester, you may accept a paid part-time job of no more than 15 hours per week. Full-time employment is permitted during the lecture-free period. In both cases your employer will have to apply for your work permit at the cantonal Office for Economy and Labour if you come from a non-EU country (including the UK). This is only possible once you have received your residence permit. During their first 6 months in Switzerland, Master's students from non-EU countries (including the UK) can only obtain a work permit for a job at their ETH department.

Curriculum

1st semester	2nd semester	3rd semester	4th semester
Core Courses in six Skill Areas			
	Elective Courses at D-MTEC		
	Supplementary Courses according to your Learning Agreement		
		Internship	
			Master's thesis

The MSc MTEC programme consists of three semesters of classes, an internship in industry and a six-month Master's thesis. In each of these categories, you will earn Credit Points (CP) in alignment with the European Credit Transfer System (ECTS) based on your performance in examinations, written reports and essays, lectures, project reports and project results. One credit point (CP) represents a workload of 25 to 30 hours.

To complete the programme, you must acquire at least 120 CP: 84 CP from courses, 6 CP from an industrial internship, and 30 CP from your Master's thesis. The table on the right illustrates how many CP you have to earn in each of the course categories.

Core Courses

Core Courses provide a strong foundation in management, technology and economics. They are allocated to six Skill Areas outlined in the MSc MTEC Study Plan. You must complete all but one Core Course in each Skill Area. The Core Courses might be slightly different from cohort to cohort. In total, you have to earn at least 51 CP from Core Courses.

*If you completed Core Courses from the MSc MTEC curriculum during your Bachelor's studies at ETH, you can reduce the number of CP you have to earn from Core Courses in your MSc MTEC studies from 51 to 42. The number of required CP in the relevant Skill Area(s) is correspondingly reduced. You still have to earn 120 CP in total to graduate; the number of CP you earn from freely chosen courses (Additional Courses from A, B or C in the table on the right) increases accordingly, so that the minimum number of CP from courses remains 84.

D-MTEC Elective Courses

You can choose from a wide range of Elective Courses in the D-MTEC Course Catalogue. This allows you to specialise in a field of interest. You must take certain Elective Courses as a prerequisite for writing a Master's thesis at specific D-MTEC Chairs. Please carefully check the Chair Guide in this regard. You must earn at least 10 CP from Elective Courses.

Supplementary Courses

You can deepen the knowledge you acquired in the field(s) of engineering and/or natural sciences during your Bachelor's studies in Supplementary Courses from other ETH departments. You must earn at least 12 CP in Supplementary Courses, which must be documented in your Learning Agreement.

Categories	min. CP
A Core Courses	51*
B Elective Courses at D-MTEC	10
C Supplementary Courses	12
Additional courses from A, B, or C	11
Total courses	84
Industrial internship	6
Master's thesis	30
MSc MTEC programme total	120



Study Plan and other guidelines
(login required):
mtec.ethz.ch/downloads-intranet



Chair Guide and other guidelines
(login required):
mtec.ethz.ch/downloads-intranet

Internship

The internship is an excellent opportunity to touch base with the job market and gain exposure to specific professional environments. It will provide you with the opportunity to spend some time in a work environment consistent with your academic specialisation.

The minimum period for the internship is 10 weeks of full-time employment. It can be carried out in Switzerland or abroad, in a corporate setting or a public institution, according to your orientation and career objectives. Additional voluntary internships are possible.

You will largely act on your own initiative when choosing a company for your internship. Prior to placement, you must submit an internship plan outlining your assignments, schedule and company supervisors on the MSc MTEC Internship Platform. Upon submission of a brief internship report and a letter of reference, the internship will earn you 6 CP. If not successfully completed, it can be repeated once. For additional details, please refer to the MSc MTEC Internship Guidelines.



Access the Internship Platform (login required):
mtec.ethz.ch/internship-platform



Internship Guidelines and other guidelines (login required):
mtec.ethz.ch/downloads-intranet

Master's thesis

The Master's thesis is supervised by a D-MTEC professor and usually deals with a subject within the six Skill Areas. The thesis is often carried out in collaboration with a company. In exceptional cases a professor from another department or university may co-supervise your Master's thesis. The professor from D-MTEC is always your main supervisor, however. The Master's thesis is written over the course of six months (full-time). The Academic Writing Course and the internship must have been completed before you register for the Master's thesis.

The process is as follows: Before starting the Master's thesis, you will identify an appropriate topic in collaboration with your supervisor. You have to register the Master's thesis via myStudies (projects/papers/theses), submitting the topic, a short abstract and a schedule. When you submit the Master's thesis itself, you must include a signed Declaration of Originality. The Master's thesis is graded by your main supervisor and earns you 30 CP. The minimum passing grade for a Master's thesis is 4.0. A Master's thesis that does not earn a passing grade can be repeated once. A new topic has to be chosen for the second attempt. For additional details please refer to the Master's thesis guidelines.

In the D-MTEC Chair Guide you will find a thematic overview, conditions and contact persons at all D-MTEC research groups for writing your Master's thesis.



Master's thesis guidelines, Chair Guide and other guidelines (login required):
mtec.ethz.ch/downloads-intranet

Academic Writing Course

The aim of the Academic Writing Course is to develop the range of skills necessary for successfully and efficiently writing a thesis. The course is compulsory for all MSc MTEC students. Its successful completion is a precondition for starting your Master's thesis. We recommend taking the course during the first year of your studies.

Extracurricular activities

1st semester	2nd semester	3rd semester	4th semester
Buddies Programme			
	Career Talks		
		Entrepreneurial Leadership Seminar	
		Mentoring Programme	

Buddies Programme

The Buddies Programme supports you in the onboarding process when you join the MSc MTEC programme. Get in touch with fellow students in your cohort and connect with 2nd- and 3rd-year students to help familiarise yourself with the programme and with life at ETH Zurich. We match buddies and incoming MSc MTEC students in groups of four to six. Participation is voluntary but recommended.



Find out more about the Buddies Programme:
mtec.ethz.ch/msc-buddies

Career Talks

The Career Talks series reflects on individual career development and perspectives. The sessions are informational and provide insight into different types of careers in specific industry sectors and offer the opportunity for deeper, informal exchange. The Career Talks are open exclusively to D-MTEC students (MSc, MAS, doctoral candidates). Guest companies in previous talks have included Migros Genossenschaftsbund, SwissRe, Google, Georg Fischer and a number of start-ups.



Find out more about the Career Talks:
mtec.ethz.ch/career-talks

Entrepreneurial Leadership Seminar

In the Entrepreneurial Leadership Seminar (ELS) you have the opportunity to work on a real-world case study in collaboration with the top management of an organisation such as AWS, Georg Fischer, Roche, Stadler or Swisscom. You will work in teams to tackle a specific assignment that flows from the company's current strategic agenda. You will gain substantial insights into the structure, dynamics and challenges of a major industrial sector by immersing yourself in the business model, culture and strategic landscape of the company you work with. Aspects of the seminar include site visits; discussing ideas with top executives; interviews with members of the management team, internal and external experts, and clients; and a final presentation in front of the management board. You can apply to join the seminar in your third semester.



Find out more about the ELS:
mtec.ethz.ch/els

Mentoring Programme

Have you ever wished that you had access to an industry leader, experienced professional or successful entrepreneur to help you navigate your studies and career choice, or for support in defining and attaining your goals? Most entrepreneurial-minded leaders in academics, industry and society owe a significant portion of their personal and professional standing to the guidance of strong mentors. D-MTEC is committed to developing innovative and entrepreneurial-minded future leaders and mentors by connecting multiple generations of students, teachers and doers. To reach this goal, we match ambitious MSc MTEC students with highly successful D-MTEC alumni or affiliates who can support them and help them reflect on their personal and professional development.



Find out more about the Mentoring Programme:
mtec.ethz.ch/mentoring-msc

Managing your studies

Selecting your courses

Good planning is key to successful studies. It is essential that you consider the programme requirements in your course planning. When choosing your courses, avoid overlapping them, as some may have compulsory attendance. You can check the lecture times and dates in the Course Catalogue.

Course Catalogue

The Course Catalogue contains detailed information and schedules for all courses offered at ETH Zurich. It is published in calendar week 20 for the upcoming Autumn Semester and calendar week 46 for the upcoming Spring Semester.



Course Catalogue:
course-catalogue.ethz.ch

Study Plan

The Study Plan stipulates which courses you have to pass in the different course categories to obtain your degree. It is specific to each cohort. Changes and revisions to the Study Plan are possible. Once the semester has started, the information published in the ETH Course Catalogue is binding.



Study Plan and other guidelines
(login required):
mtec.ethz.ch/downloads-intranet

Learning Agreement

You must document your Supplementary Courses in your Learning Agreement. The Learning Agreement must be submitted via myStudies and accepted by Student Services before you enrol in the semester in which you will take the Supplementary Courses. The Learning Agreement can be changed at any time during your studies. Such a change must be approved by Student Services.



Create your Learning Agreement in
myStudies:
mystudies.ethz.ch

Semester enrolment

You must enrol online in myStudies for every semester. You will be informed via email on the date when electronic enrolment opens. After your first enrolment you will receive your confirmation of matriculation and your ETH card by post. Semester enrolment is possible starting in calendar week 28 (Autumn Semester) and calendar week 50 (Spring Semester). Please enrol as early as possible.

Course registration

Course registration is only possible after semester enrolment. Select your courses according to the programme requirements and your own interests, and register for them via myStudies. Please give the course-registration process careful thought, set reasonable priorities and avoid overlapping courses. Should you no longer wish or be able to attend a course, please deregister. We recommend that you take no more than 10 courses per semester. You can register for a maximum of 15 courses per semester.



Register for courses in myStudies:
mystudies.ethz.ch

Some courses have limited capacity, and registration is on a first-come, first-served basis. If a course is fully booked, you will be placed on a waiting list. Some courses have a primary target group, which is indicated in the Course Catalogue. Students who belong to this target group have priority. Students who do not belong to this group might not be able to attend the course, or may initially be placed on a waiting list.

Registering for examinations

End-of-semester and session examinations

Registering for a course does not automatically register you for that course's examination. You must register for end-of-semester examinations and session examinations – independently of course registration – in the 3rd and 4th weeks of each semester.

The dates of registered session examinations and end-of-semester examinations are listed in your personal examination schedule in myStudies.

Withdrawal from end-of-semester examinations is possible from the 3rd week of the semester until midnight on Sunday of calendar week 49 (for the Autumn Semester) and until midnight on Sunday of calendar week 20 (for the Spring Semester). Withdrawal from session examinations is possible from the 3rd week of the semester until midnight on the Sunday one week before the start of the examination session.

Once the withdrawal deadline has expired, it is only possible to withdraw in the case of "force majeure" (e.g., illness, accident). In this case, please contact the Examinations Office as soon as possible by phone (see contact information on the right). If you have registered for an examination via myStudies and you fail to show up for the examination without timely notice of withdrawal to the Examination Office, the examination will be considered failed and appear as a "no show" on your transcript.

Semester performances

Registration for ungraded or graded semester performances is not required. You are automatically registered for these performance assessments when you register for your courses on myStudies.

The Course Catalogue contains detailed information regarding performance assessments and the repetition of examinations.

Study extension

The programme deadline by which you have to complete your studies is displayed in myStudies under "Final Deadlines". It is your responsibility to comply with these deadlines and to plan your course of studies accordingly. Take timely measures if unexpected circumstances (including health problems and absences for military service) arise which might slow you down and prevent you from meeting deadlines.

The ETH Student Administration may extend programme deadlines if cogent grounds are provided at the proper time.



Access myStudies:
mystudies.ethz.ch

Examinations Office

+41 44 632 20 68



Office hours and contact information:
ethz.ch/performance-assessments



Course Catalogue:
course-catalogue.ethz.ch



Details and deadlines for submitting an extension request:
mtec.ethz.ch/msc-extension

Degree request

You may submit your degree request as soon as you have earned the minimum number of credit points and have met all requirements. Before submitting the request, please make sure to correctly categorise your courses and confirm that the Supplementary Courses correspond with your approved Learning Agreement.

You may select which of Switzerland's national languages you would like your degree certificate issued in. An English translation will also be issued. You must submit the degree request as a signed scan via email to MSc MTEC Student Services.

Once you have submitted your degree request, please verify that we have your correct address.



Write an email to
MSc MTEC Student Services:
msc-mtec@ethz.ch



Edit your personal details and
addresses:
www.adressen.ethz.ch

Final documents

Upon completion of your studies you will receive the documents listed below:

- Degree certificate (diploma)
- Final academic record (in German, with an English translation), including an addendum
- Diploma Supplement, which includes information about ETH Zurich, the degree programme and the courses you have taken
- Ranking

A maximum of 130 CP can be earned during your studies and awarded on your academic record. If you have earned more than 120 CP, you may decide which courses will be listed on the addendum. These courses will not be considered in calculating your grade point average (GPA). The certificate and the academic record are originals and are issued only once.

You may request a transcript of your academic record or a copy of your degree certificate as well as other certifications at the Registrar's Office for a small fee. The transcripts have the same legal validity as the original documents.



Office hours and contact information
of the Registrar's Office:
registrars-office.ethz.ch



List of fees for copies of study
certifications:
mtec.ethz.ch/msc-certificationfees

MTEC Day

MTEC Day is an annual event that brings MSc, MAS and doctoral graduates together with their families, D-MTEC alumni and faculty, and stakeholders from business and academia to celebrate the conclusion of their studies.



Details about MTEC Day:
mtec.ethz.ch/mtecday

Resources and services

Academic Sports Association Zurich (ASVZ)

The ASVZ offers a diverse sports programme with team sports such as football and badminton and classes from yoga to jazz dance.



ASVZ website:
asvz.ch

Campus

ETH Zurich's two main locations are situated in the centre of Zurich and on Hönggerberg. All MSc MTEC courses take place in the centre of Zurich (HG, LEE, WEV buildings).



Info on the ETH Campuses:
ethz.ch/en/campus

Career Center

The ETH Career Center provides services that support ETH graduates during the transition from their studies to the Swiss labour market.



ETH Career Center website:
ethcareer.ch

Computer rooms

Approximately 200 computers are at the disposal of ETH students in the ETH main building (HG). The use of these workstations is free of charge.



Find workstations at ETH:
mtec.ethz.ch/computerrooms

ETH Diversity

ETH Diversity promotes equality of opportunities to study, do research and work successfully at ETH Zurich through a number of services and activities.



ETH Diversity website:
diversity.ethz.ch

Gastronomy

ETH Zurich has more than 15 student canteens and cafeterias (Mensa) in various buildings. They offer affordable daily meals, sandwiches and salad buffets.



Opening hours and menus of
ETH mensas and cafés:
gastro.ethz.ch

IT Services

ETH IT Services provides you with a free basic IT package including an email account, an ETH-wide directory, and the opportunity to publish a personal homepage. You also have access to some free software and several other services.



Detailed information about IT
services for students:
mtec.ethz.ch/it-students

Language Center

The Language Center offers intensive German courses as well as courses in many other languages. These courses are free for Master's students.



Language Center website:
www.sprachenzentrum.ethz.ch

Libraries

The ETH Library's Knowledge Portal gives you access to academic resources that are essential for your studies. You can receive support on how to access publications not only from libraries based at ETH Zurich but also from a variety of other collections, libraries and archives.



Services, locations and
opening hours of libraries:
library.ethz.ch/en

Personal support services

ETH Zurich's various support services can provide you with coaching, advice, and qualified and confidential help in case of difficulties, conflicts and personal crises.

Dealing with inappropriate behaviour

ETH Zurich encourages its staff and students not to tolerate inappropriate behaviour and to take firm action against it. This also requires paying attention and not looking the other way – and, if necessary, speaking out against unacceptable behaviour.

Counselling services

Professional counselling can help you work through difficult phases in life, troubles in your studies and conflicts arising during the course of your studies. ETH Zurich offers counselling services, including support during acute crises, to all students and doctoral candidates. The sessions are confidential and free of charge.

Pioneer Fellowships

ETH offers Pioneer Fellowships for MSc and doctoral students as individuals or as part of groups intending to independently develop a highly innovative product or service to be used commercially and for the benefit of society.

Projekt Neptun

Projekt Neptun offers students and higher-education employees selected devices such as laptops and tablets at discount prices. At the beginning of each semester, Neptun selects a range of laptop models suitable for students. These can be ordered for a limited time.

Student Project House

The Student Project House (SPH) is a space at ETH dedicated to collaborative project work, interdisciplinary exchange, courses and workshops. At SPH, you can learn how to identify a need, design solutions and test hypotheses with real prototypes.

Studying with disabilities

Disabled students or those suffering from a chronic medical condition may face special challenges during their studies. Please note that disability assistance may be different from that available in your home country. We strongly recommend that you check the website linked on the right and that you contact us early on – preferably before the start of your studies. You will then receive contact information for the disability advisory service and on how to make special examination arrangements. Please note that deadlines still need to be respected.

Student working spaces

The MTEC Department offers student working spaces in the WEV building at Weinbergstrasse 56/58. The rooms available are E20 (student and team workspace) and E27 (quiet study room). In order to access the WEV building outside of working hours you need to have a PIN. The ETH Library provides group study spaces in the Green Library which can now be reserved online.



Overview of personal support services at ETH:
mtec.ethz.ch/personalsupport



Contact points for inappropriate behaviour:
mtec.ethz.ch/respect



PBS website:
www.pbs.ethz.ch



Infos on Pioneer Fellowships:
ethz.ch/pioneerfellowship



Projekt Neptun website:
projektneptun.ch



SPH website:
sph.ethz.ch



Information for students with disabilities:
mtec.ethz.ch/disabilities



Create an ETH card PIN to access the WEV building:
www.adressen.ethz.ch



Reserve a group study space in the Green Library:
mtec.ethz.ch/greenlibrary

Community and networks

Student networks

OBIS

Organisation of Business and Industrial Engineering Students is the official student association of MSc MTEC students. To find out what they are doing, visit their website.



OBIS website:
obis.ethz.ch

feMTEC

feMTEC is a women's association at D-MTEC. Its mission is to promote gender equality and build a strong community that offers valuable support to colleagues. It is open to all students and staff in the D-MTEC domain.



feMTEC website:
mtec.ethz.ch/femtec

VSETH

VSETH (Verband der Studierenden an der ETH) is the umbrella organisation of all students at ETH. It consists of student commissions and associations – including OBIS – and supports associated student organisations. VSETH represents students' concerns on ETH boards. It drafts action papers and writes statements to influence ETH regulations.



VSETH website:
vseth.ethz.ch

Visit the VSETH site to find out about the manifold student commissions. An incomplete list with thematic proximity to the MSc MTEC programme is provided below:

- ETH Entrepreneur Club
- ETH Analytics Club
- ETH Juniors
- ARIS
- Student Sustainability Commission
- ETH Model United Nations

Alumni networks

In the spirit of life-long partnership, D-MTEC maintains close contact with our alumni community. Find out about the alumni network at D-MTEC on the website linked on the right.



The alumni network at D-MTEC:
mtec.ethz.ch/alumni

ETH Alumni Engineering & Management (EAEM)

ETH Alumni is the official alumni association for ETH graduates. Within it, ETH Alumni Engineering & Management (EAEM) offers MSc MTEC graduates as well as doctoral and postdoctoral graduates a networking platform through which they can maintain relationships with each other through events and other activities.



EAEM website:
mtec.ethz.ch/eaem

Social media

D-MTEC maintains several channels on social media. Follow our profiles to stay informed about news, events and opportunities at and around D-MTEC. We also invite you to join our group on LinkedIn, where you can see who else belongs to the D-MTEC community and share information exclusively with them.



Follow D-MTEC on LinkedIn:
linkedin.com/company/mtec-ethzurich



Join the D-MTEC Group on LinkedIn:
linkedin.com/groups/4107869



Follow D-MTEC on X:
x.com/d_mtec

We also highly appreciate engagement from and with our students. If you feel you have a post or story worth sharing about your MSc MTEC journey, use the **#mscmtec** hashtag or tag the department directly.

Director of Studies
Professor Bart Clarysse
bclarysse@ethz.ch

Coordinator of Studies
Swantje Pless
spless@ethz.ch

Student Services
Petra Monsch
msc-mtec@ethz.ch

ETH Zurich
Department of Management, Technology, and Economics
Weinbergstrasse 56/58, 8092 Zurich, Switzerland

www.mtec.ethz.ch

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Changes are possible. Legally binding are the MSc MTEC Regulations and the ETH Course Catalogue.

MSc ETH MTEC Study Plan

Skill Areas and Core Courses		H	CP	S	Lecturer
1. General Management and Human Resource Management (min. 6 CP)					
363-0341-00	Introduction to Management	2	3	HS	Zagorac, Z.
363-0302-00	Human Resource Management: Leading Teams	2	3	FS	Grote, G.
363-1080-00	Power and Leadership	2	3	FS	Schmid, P.
2. Strategy, Markets and Technology (min. 12 CP)					
363-0392-00	Strategic Management	2	3	HS/FS	Weiser, A.-K. / Hacklin, F.
363-0387-00	Corporate Sustainability	2	3	HS	Hoffmann, V.
363-0389-00	Technology and Innovation Management	2	3	HS	Brusoni, S.
363-0403-00	Introduction to Marketing	2	3	HS	Bachmann, P.
363-1077-00	Entrepreneurship	2	3	FS	Clarysse, B.
3. Information Management and Operations Management (min. 6 CP)					
363-0421-00	Management of Digital Transformation	2	3	HS	Fleisch, E.
363-0445-00	Production and Operations Management	2	3	HS	Netland, T.
363-0453-00	Strategic Supply Chain Management	2	3	HS	Wagner, S.
4. Quantitative and Qualitative Methods for Solving Complex Problems (min. 9 CP)					
363-1004-00	Operations Research	2	3	HS	Bütikofer van Oordt, S.
363-0541-00	Economic Dynamics and Complexity	3	3	HS	Schweitzer, F.
363-0305-00	Empirical Methods in Management	2	3	HS	Tillmanns, S.
363-0570-00	Principles of Econometrics	2	3	FS	Sturm, J.-E.
5. Micro and Macroeconomics (min. 12 CP)					
363-0565-00	Principles of Macroeconomics	2	3	HS	Sturm, J.-E.
363-0503-00	Principles of Microeconomics	2	3	HS	Filippini, M.
363-0537-00	Resource and Environmental Economics	2	3	HS	Bretschger, L.
363-0575-00	Economic Growth, Cycles and Policy	2	3	FS	Gersbach, H.
363-0515-00	Decisions, Markets, and Games	2	3	FS	Lee, B.
6. Financial Management (min. 6 CP)					
363-0711-00	Accounting for Managers	2	3	HS	Chen, H.
363-0561-00	Climate Economics and Finance	2	3	FS	Barrage, L.
363-0560-00	Financial Management	2	3	FS	Kind, A.

H: weekly hours during semester; S: semester; HS: Autumn Semester; FS: Spring Semester; CP: Credit Points

Within the MSc ETH MTEC programme students have to earn 120 credit points (CP):

Core Courses: A minimum number of CP must be acquired in each Skill Area. Total of all Skill Areas: min. 51 CP (min. 42 CP, Regulations Art. 39)

Electives: From courses listed as electives in the D-MTEC Course Catalogue: min. 10 CP

Supplementary Courses: In the field of the Bachelor's degree and listed in your learning agreement: min. 12 CP

Internship: 6 CP

Master's Thesis: 30 CP

The Academic Writing Course (363-1063-00) must be completed before registering for the Master's thesis.

Study plan based on Regulations 2006, Art. 22, 2a. Changes are possible. The Course Catalogue on the web is binding (www.vvz.ethz.ch).

Valid for students starting in FS 2024.

28.11.2023

D-MTEC Research Portfolio

Our mission is to understand and help shape the interactions between technology, organisations, and society, particularly with respect to their impact on the sustainable use of natural and human resources.



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

Economic Dynamics



Bart Clarysse
Entrepreneurship



Gudela Grote
Work and
Organizational
Psychology



Petra Schmid
Organizational
Behavior

Human and Entrepreneurial Behaviour



Lint Barrage
Energy and Climate
Economics



Lucas Bretschger
Economics / Resource
Economics



Robert Finger
Agricultural
Economics and Policy



Massimo Filippini
Energy and Public
Economics

Natural Resources



Elgar Fleisch
Information
Management



Torbjørn Netland
Production and
Operations
Management



Stephan Wagner
Logistics
Management

Supply Chain and Information Systems



Antoine Bommier
Integrative Risk
Management and
Economics



Ursula Renold
Education Systems



Frank Schweitzer
Systems Design

Systems Design and Risks



Stefano Brusoni
Technology
and Innovation
Management



Volker Hoffmann
Sustainability and
Technology



Georg von Krogh
Strategic
Management and
Innovation



Florian von Wangenheim
Technology Marketing

Technology and Innovation