

# MSc ETH MTEC Study Plan

Valid for students starting in FS 2025.

Skill Areas and Core Courses		H	CP	S	Lecturer
<b>1. General Management and Human Resource Management (min. 6 CP)</b>					
363-0341-00	Introduction to Management	2	3	HS	Zagorac-Uremovic, Z./Baschung, D./O'Neil, J.
363-0302-00	Human Resource Management: Leading Teams	2	3	FS	Grote, G.
363-1080-00	Responsible Leadership	2	3	FS	He, F.
<b>2. Strategy, Markets and Technology (min. 12 CP)</b>					
363-0392-00	Strategic Management	2	3	HS/FS	Hacklin, F. / Weiser, A.-K. / Park, C.
363-0387-00	Corporate Sustainability	2	3	HS	Hoffmann, V./Bening-Bach, C./Girod, B./Miehé, L.
363-0389-00	Technology and Innovation Management	2	3	HS	Brusoni, S. / Zeijen, A.
363-0403-00	Introduction to Marketing	2	3	HS	von Wangenheim, F. / Bachmann, P.
363-1077-00	Entrepreneurship	2	3	FS	Clarysse, B.
<b>3. Information Management and Operations Management (min. 6 CP)</b>					
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.
<b>4. Quantitative and Qualitative Methods for Solving Complex Problems (min. 9 CP)</b>					
363-1004-00	Operations Research	2	3	HS	Bütikofer van Oordt, S.
363-0541-00	Economic Dynamics and Complexity	3	3	HS	tbd / Verginer, L.
363-0305-00	Empirical Methods in Management	2	3	HS	Tillmanns, S.
363-0570-00	Principles of Econometrics	2	3	FS	Sturm, J.-E. / Beerli, A.
<b>5. Micro and Macroeconomics (min. 12 CP)</b>					
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	Sustainability Economics	2	3	HS	Barrage, L. / Drupp, M.
363-0575-00	Economic Growth, Cycles and Policy	2	3	FS	Gersbach, H., et al.
363-0515-00	Markets and Games	2	3	FS	Lee, B.
<b>6. Financial Management (min. 6 CP)</b>					
363-0711-00	Accounting for Managers	2	3	HS	Chen, H. / Evgeny, P.
363-0560-00	Introduction to Finance	2	3	FS	Waterstraat, S.
363-0561-00	Advanced Finance	2	3	FS	Waterstraat, S.

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](http://www.vvz.ethz.ch)).