

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./O'Neil, J.
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	Shrestha, Y. R.
363-0387-00	Corporate Sustainability	2	3	HS	Hoffmann, V./Meuer, J./Blum, N. U./Bening-Bach, C.
363-0389-00	Technology and Innovation Management	2	3	HS	Brusoni, S./Zeijen, A.
363-0403-00	Introduction to Marketing	2	3	HS	Brüggemann, N./von Wangenheim, F.
363-1077-00	Entrepreneurship	2	3	FS	Clarysse, B.
3. Information Management and Operations Management (min. 6 CP)					
363-0421-00	Mastering Digital Business Models	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	Systems 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./Beerli, A.
5. Micro and Macroeconomics (min. 12 CP)					
363-0565-00	Principles of Macroeconomics	2	3	HS	Sturm, J.
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, J.
363-0515-00	Decisions and Markets	2	3	FS	Bommier, A.
6. Financial Management (min. 6 CP)					
363-0711-00	Accounting for Managers	2	3	HS	Chardonens, J.
363-0561-00	Financial Market Risks	2	3	HS	Sornette, D.
363-0560-00	Financial Management	2	3	FS	Chardonens, J.

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 in agreement with the tutor: 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. Changes are possible. The Course Catalogue on the web is binding (www.vvz.ethz.ch).

Valid for students starting in HS 2021.

23.09.2021