

MAS MTEC Study Plan | Clickable

Autumn Semester 2025 – Spring Semester 2027 | Preliminary

CORE COURSES						Sem	Block	CP	Lecturer
<i>Please complete a minimum of 3 CP in at least 5 of 6 competence areas</i>									
General Management and Human Resource Management									
363-0302-00	Human Resource Management: Leading Teams	2		3	G. Grote				
363-0341-00	Introduction to Management	1		3	Z. Zagorac-Uremovic, D. Baschung, J. O'Neil				
365-1195-00	Organizational Behaviour ²	2	•	3	E. Canónico Martin				
363-0301-00	Work Design and Organizational Change	1		3	G. Grote				
Strategy, Markets and Technology									
365-1187-00	Corporate Entrepreneurship and Innovation ²	2	•	3	B. Clarysse				
363-0387-00	Corporate Sustainability	3		3	V. Hoffmann, C. Bening-Bach, B. Girod, L. Miehé				
365-1097-00	Innovation Management ²	2	•	3	P. Bubenzler				
363-0403-00	Introduction to Marketing	1		3	F. von Wangenheim, P. Bachmann				
363-0392-00	Strategic Management	2/3		3	F. Hacklin, A.-K. Weiser				
Information and Operations Management									
363-0421-00	Management of Digital Transformation	1		3	E. Fleisch				
363-0445-00	Production and Operations Management	1		3	T. Netland				
363-0453-00	Strategic Supply Chain Management	3		3	S. Wagner				
363-0425-00	Transformation: Corporate Development and IT	3	•	3	T. Gutzwiller				
Quantitative and Qualitative Methods for Solving Complex Problems									
365-1120-00	AI for Executives ²	2	•	3	J. Zürcher				
363-0541-00	Economic Dynamics and Complexity	1		3	F. Schweitzer, L. Verginer				
363-0305-00	Empirical Methods in Management	3		3	S. Tillmanns				
363-1004-00	Operations Research	3		3	S. Bütikofer van Oordt				
Micro and Macroeconomics									
363-0575-00	Economic Growth, Cycles and Policy ¹	2		3	H. Gersbach, H. Mikosch, H. J. van Buggenum				
363-0515-00	Markets and Games	2		3	B. Lee				
363-0565-00	Principles of Macroeconomics	1		3	J.-E. Sturm, E. Baselgia				
363-0503-00	Principles of Microeconomics	1		3	M. Filippini				
363-0537-00	Sustainability Economics	2		3	L. Barrage, M. Drupp				
Financial Management									
363-0711-00	Accounting for Managers	1		3	H. Chen, E. Petrov				
365-1192-00	Corporate Finance ²	2	•	3	A. Kind				
365-1191-00	Corporate Governance ²	3	•	3	A. Kind				

Sem: Semester 1-4 Block: • block course CP: credit points

¹ Course has prerequisites. Please check the ETH Course Catalogue for further information.

² MAS MTEC students only.

SKILL-BASED TRAINING (MAS MTEC students only)		Sem	Block	CP	Lecturer
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Please complete a minimum of 2 courses in the Skill-based Training category

365-1151-00	Applied Business Ethics for Managers ²	2/4	•	2	S. Dänzer, T. Emmerling
365-1099-00	Design Thinking: A Human-Centred Approach to Problem Solving ²	2/3	•	2	D. Salehabadi
365-1019-00	Human Resource Management: Skills in Practice ²	3	•	2	M. Gubler, M. Kolbe
365-1053-00	Innovation, Creativity and Personality Traits ²	3	•	1	D. Laureiro Martinez
365-1149-00	Introduction to Personal Branding and Storytelling ²	1/2/3/4	•	1	B. Rübél, P. Geissbühler
365-0347-00	Negotiation Skills ²	3	•	1	M. Gutmann
365-1193-00	Personal Leadership (2/4): Building High-Performing Teams ^{1, 2}	2	•	1	P. Romann
365-1189-00	Personal Leadership (1/4): Sharpen Your Communication Skills ^{1, 2}	1	•	1	P. Romann
365-1092-00	Personal Leadership Skills ^{1, 2}	4	•	2	P. Romann

ELECTIVE COURSES

MAS MTEC Electives (MAS MTEC students only)

365-0881-01	Advanced Project Management: Cases and Coaching ^{2, 4}	2/4	•	1	D. T. Baumann, T. Haas, M. A. Zoller
365-1183-00	Cases in Machine Learning ²	1/3	•	2	C. Cuchiero, A. Ferrario, J. Teichmann
365-1190-00	Climate Risk and Sustainability in Finance and Insurance ²	3	•	2	B. Huber, B. J. Bergmann, D. N. Bresch, A. Goussebaïle
365-1194-00	Cybersecurity for Business Leaders ²	2/4	•	1	S. Frei, R. Halbheer
365-1112-00	Digital Transformation and Value Creation ²	2	•	1	M. Cooray, R. Duus
365-1143-00	Digital Transformation: Integrating Cloud and Business ²	1/3	•	1	R. Halbheer
365-1173-00	Fundamentals of Machine Learning for Executives ²	2	•	1	J. Zürcher, T. Motz
365-1181-00	Introduction to Quantum Computing: Current Challenges and Business Insights ²	1/3	•	1	B. J. Bergmann, P. Kammerlander
365-1083-00	Leading the Technology-Driven Enterprise ^{1, 2}	1/3	•	1	J. O'Neil, D. Röttger
365-1166-00	Learning Factory: Introduction to Lean and Industry 4.0 ^{1, 2}	1/3	•	1	T. Netland, R. Lorenz
365-1174-00	Machine Learning for Industrial Applications ²	4	•	2	O. Fink
365-0881-00	Mastering Project Management: From Classic to Agile Approaches ^{2, 4}	2	•	1	D. Ritler
365-1086-00	Organizational Change Management ²	2	•	2	M. Banerjee
365-1141-00	Platform and Ecosystem Strategies ²	2/4	•	1	F. Hacklin, M. Wallin
365-1059-00	Practicing Strategy ^{1, 2}	3	•	1	G. von Krogh, T. Gersdorf, C. H. Park
365-1176-00	Resilience - Beyond Risk Management ²	2/4	•	2	O. Kocsis, A. van Vegten

Course Abroad (MAS MTEC students only)

365-1071-00	Course Abroad ²	4	•	3	Various
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Further MTEC Electives (Selection) - More options can be found in the MTEC Course Catalogue

363-0861-00	Alliance Advantage - Exploring the Value Creation Potential of Collaborations	1	•	3	C. G. C. Marxt
363-0393-00	Corporate Strategy	3		3	S. Ben-Menahem
363-1153-00	Decentralized Finance	2		3	B. J. Bergmann, H. Gersbach, R. Wattenhofer
363-1082-00	Enabling Entrepreneurship: From Science to Startup	1		3	R. De Cock
363-1028-00	Entrepreneurial Leadership	1	•	4	Z. Erden Ozkol, S. Brusoni, O. von Dzengelevski, G. von Krogh
363-1077-00	Entrepreneurship	2		3	B. Clarysse
363-0448-00	Global Operations Strategy	2	•	3	O. von Dzengelevski
363-1114-00	Introduction to Risk Modelling and Management	2		3	H. Schernberg, D. N. Bresch
363-0792-00	Knowledge Management	2	•	1	P. Wolf
363-0887-00	Management Research	2/3	•	1	U. Stettner
363-1060-00	Strategies for Sustainable Business	2	•	3	J. Meuer
363-0389-00	Technology and Innovation Management	3		3	S. Brusoni, A. Zeijen
363-0790-00	Technology Entrepreneurship	1		2	F. Hacklin

Extrdepartmental Courses

You can earn at most 6 CP from other ETH departments. Courses at institutions other than ETH are not recognised. Prior to signing up for these courses you have to get approval from the Student Services (mtec-mas-student@ethz.ch). No credit points will be awarded for language courses.

MASTER'S THESIS

The Master's thesis is written in collaboration with an industrial partner, organisation or institution - either on a full-time (10 weeks) or part-time basis (16 weeks).

365-1170-00	Epigeum's Avoiding Plagiarism Online Course ³	1/2		0	-----
365-0899-00	Master's thesis ^{1, 3}	4		12	D-MTEC professors

Sem: Semester 1-4 Block: ●block course CP: credit points

¹ Course has prerequisites. Please check the ETH Course Catalogue for further information.

² MAS MTEC students only.

³ You must have passed the preparation course in your 1st or 2nd semester before you can register for a Master's thesis: "Epigeum's Avoiding Plagiarism Online Course".

⁴ Only one of these courses in Project Management can be taken during the MAS MTEC studies.

MAS MTEC regulations specify a min. of 60 CP (max. 65 CP) for the completion of the degree: 48 CP (max. 53 CP) for lecture courses and 12 CP for the Master's thesis.