

Platforms for Digitalized Value Networks programme

- Study plan –

GRENOBLE - SUPSI collaboration

General structure of the EITM Master Programme

Type of modules	Total credits for EIT-M Master	Total credits 1 st year	Total credits 2 nd year
Technical courses (TC)	45	40-50	10-20
Specialization courses (SC)	15		
Innovation & entrepreneurship courses (I&E)	30	10-20	10-20
Master thesis (MT)	30	0	30
Tot	120	60	60

Entry university Grenoble – exit university SUPSI

1st year Grenoble

I&E: 21

TC: 39 (9 SC)

Type of modules	Grenoble courses	ECTS	Semester	Total credits
TC	Sustainability in Industrial Engineering - WGUS1074	3	S1	30 (21 S1, 9 S2)
	Basic Economics for Sustainable Industrial Engineering - WGUS1014	3	S1	
	Information Systems Management - WGUS2044	3	S1	
	Data analytics for industrial engineering - WGUS2092	3	S1	
	Quality and Process Development - WGUS2054	3	S1	
	Project on Computer Science - WGUS1028	3	S1	
	Inventive problem solving, bio inspired innovation - WGUS2071	3	S2	
	UE Sustainable work and organization - WGUS2082	3	S1	
	Production and Operations Management - WGUS1044	3	S2	
	Industrial Economics - WGMS7028	3	S2	
SC	Performance Evaluation of Production Systems - WGUS1065	3	S1	9

	Project on Data Analytics for Manufacturing - WGUS3022	3	S2	(3 S1, 6 S2)
	Research Project - 4GUC00E5	3	S2	
I&E	Intercultural communication S7	3	S1	21 (6 S1, 15 S2)
	Product Development Project 1 - 4GMP1611	3	S1	
	Centrally organized summer school	5	S2	
	Production and Operations Management	5	S2	
	Product Development Project 2 - 4GUP1901	5	S2	

2nd year SUPSI

I&E: 9

TC: 21 (6 SP)

MT: 30

Type of modules	SUPSI courses	ECTS	Semester	Total credits
TC	TSM FactPlan: Factory Planning	3	S3	15 (9 S3 6 S4)
	TSM BusAn: Business Analytics (ZH, Tue morning)	3	S3	
	TSM MarkFor: Market Analysis and Forecasting (ZH, Tue afternoon)	3	S3	
	TSM IndContr: Industrial control	3	S4	
	FTP ModSim Modelling Simulation and Optimisation	3	S4	
SC	PSM Platforms for digitalized value networks*	6	S3	6 (6 S3)
I&E	CM InnChang: Innovation and Change Management (ZH, Wed evening)	3	S3	9 (S3)
	CM IntSust: Integrated Sustainable Management of Production Systems	3	S3	
	CM InnoLEAN: Innovation and Lean	3	S3	
MT	Master thesis: focus on Platforms for digitalized value network	30	S4	30 (S4)

Recap

Type of modules	ECTS in S1	ECTS in S2	ECTS in S3	ECTS in S4	Total credits
TC	21	9	9	6	45
SC	3	6	6	0	15
I&E	6	15	9	0	30
MT	0	0	0	30	30
Tot	30	30	24	36	120