

# Platforms for Digitalized Value Networks programme

- Study plan -

## SUPSI - GRENOBLE collaboration

*General structure of the EITM Master Programme*

Type of modules	Total credits for EIT-M Master	Total credits 1 <sup>st</sup> year	Total credits 2 <sup>nd</sup> 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 SUPSI – exit university GRENOBLE*

### 1<sup>st</sup> year SUPSI

I&E: 20

TC: 40 (10 SC)

Type of modules	SUPSI courses	ECTS	Semester	Total credits
TC	<a href="#">TSM FactPlan: Factory Planning</a>	3	S1	30 (15 S1, 15 S2)
	<a href="#">TSM MarkFor: Market Analysis and Forecasting (ZH, Tue afternoon)</a>	3	S1	
	<a href="#">TSM IndContr: Industrial control</a>	3	S2	
	PSM Manufacturing Processes Courses*	9	S1	
	<a href="#">FTP AppStat Applied Statistics and Data Analysis</a>	3	S2	
	<a href="#">FTP ModSim Modelling Simulation and Optimisation</a>	3	S2	
	<a href="#">FTP MultiASys: Multi-agent systems</a>	3	S2	
	<a href="#">CM QRM: Quality and Risks management</a>	3	S2	
SC	PSM Course Platforms for digitalized value networks*	7 (5+2)	S1,2	10 (8 S1 2 S2)
	<a href="#">TSM BusAn: Business Analytics (ZH, Tue morning)</a>	3	S1	
I&E	<a href="#">CM InnChang: Innovation and Change Management (ZH, Wed evening)</a>	3	S1	20 (6 S1 14 S2)
	<a href="#">CM InnoLEAN: Innovation and Lean</a>	3	S1	

PSM Project Work: Design and configuration of automated production systems using Virtual Environment**	9	S2
<b>Centrally organized summer school</b>	5	S2

\*PMS module: this is an example of possible individual project to be included in this curriculum. Similar topics could be identified depending on the students' interest and opportunities in the university labs or companies collaborating with the university.

\*\* Lab offered in Lugano for a class of students with group assignments

## 2<sup>nd</sup> year GRENOBLE

I&E: 10

TC: 20 (5 SC)

MT: 30 ECTS

Type of modules	GRENOBLE courses	ECTS	Semester	Total credits
TC	Smart Analytics for Big Data - 5GUC3500	5	S3	10
	Virtual Reality for Industry 4.0 - 5GUC3319	5	S3	
SC	Multi-criteria Decision Aiding and Artificial Intelligence - 5GUC4202	5	S3	10
	Tactical and Operational Supply Chain Management - 5GUC2004	5	S3	
I&E	OPTION: Operational Excellence in R&D - 5GUC3700	5	S3	10
	OR iDesigner : Tackling Complexity by Integration - 5GUC0904			
	Research project	5	S3	
MT	Master thesis	30	S4	30
<b>TOTAL</b>		<b>60</b>		<b>60</b>

### Recap

Type of modules	ECTS in S1	ECTS in S2	ECTS in S3	ECTS in S4	Total credits
TC	15	15	10		<b>40</b>
SC	8	2	10		<b>20</b>
I&E	6	14	10		<b>30</b>
MT				30	<b>30</b>
<b>Tot</b>	<b>29</b>	<b>31</b>	<b>30</b>	<b>30</b>	<b>120</b>