

Platforms for Digitalized Value Networks programme

- Study plan -

UCD - GRENOBLE 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 UCD – exit university GRENOBLE

1st year UCD

I&E: 25

TC: 40 (10SC)

Type of modules	UCD courses	ECTS	Semester	Total credits
TC	Systems Analysis & Improvement (core)	5	S1	30 (15 S1, 15 S2)
	Engineering Project Mgt (core)	5	S1	
	Quant. Methods for Engineers	5	S1	
	Business Information Systems Management	7.5	S2	
	Marketing Management	7.5	S2	
SC	Supply Chain Design & Analysis	5	S1	10 (5 S1, 5 S2)
	Operations Management	5	S2	
I&E	Design & Innovation	5	S1	20 (10 S1, 10 S2)
	Technical Communication	5	S1	
	Centrally organized summer school	5	S2	
	Professional Engineering (Management) (option)	5	S2	
	<u>QR</u> Professional Engineering (Finance) (option)	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

2nd year GRENOBLE

I&E: 10

TC: 20 (10SC)

MT: 30

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

Recap

Type of modules	ECTS in S1	ECTS in S2	ECTS in S3	ECTS in S4	Total credits
TC	15	15	10	0	40
SC	5	5	10	0	20
I&E	10	10	10	0	30
MT	0	0	0	30	30
Tot	30	30	30	30	120