

CURRICULUM: 120 ECTS (30 ECTS per Semester)

1st Semester	LV-Typ	SWS	ECTS
Analog Circuit Design	ILV	3	5
Digital Circuit Design	ILV	3	5
Electronic Packaging	ILV	2	3
Design Tools and Laboratory Engineering	ILV	3	3
Software Design and Architectures	ILV	3	5
Data Analysis	ILV	3	5
System Requirements Engineering	ILV	2	3
Intercultural Communication	SE	1	1
		20	30

3rd Semester	LV-Typ	SWS	ECTS
Project Management	SE	2	3
Electronic Engineering Project	PT	0,5	6
Power Electronic Engineering			
Renewable Energy	VO	2	3
Power Converter Design	ILV	4	6
Power Electronic Device Engineering	ILV	4	6
Electric Mobility	ILV	4	6
		16,5	30

2nd Semester	LV-Typ	SWS	ECTS
Radio Frequency Engineering	ILV	4	7
Machine Learning and Optimization	ILV	3	6
Power Electronic Engineering			
Digital Control Systems	ILV	4	6
Digital Signal Processing	ILV	3	5
Power Electronic Components	ILV	4	6
		18	30

4th Semester	LV-Typ	SWS	ECTS
Innovation Management	SE	2	2
Presentations and Meetings	SE	1	1
Scientific Working	SE	1	2
Master's Thesis	MA	0,5	22
Master's Exam	FA	0	3
		4,5	30

ILV = Integrated course, PT = Project, MA = Master's Thesis, FA = Master's Exam, SE = Seminar, VO = Lecture, SWS = Hours per week, ECTS = European Credit Transfer and Accumulation System