			Weekly number of hours				
Year	Sem.	Subject name	Course	Tutorial	Laboratory	Project	ECTS
1	1	Linear Algebra, Analytical and Differential Geometry	2	1			4
1	1	Technical Mechanics 1	2	1			4
1	1	Chemistry	2		1		4
1	1	Computer Programming and Programming Languages 1	2		2		4
1	1	Materials Science	2		1		4
1	1	Technical Drawing and Infographics 1	1		2		4
1	1	Robotics 1	2			1	4
1	1	Modern Language 1 - French	1	1			2
1	1	Modern Language 1 – German	1	1			2
1	2	Mathematical Analysis	2	1			4
1	2	Physics 1	2		2		3
1	2	Materials Technology 1	2		2		4
1	2	Technical Mechanics 2	2	1			4
1	2	Computer Programming and programming languages 2	2		2		4
1	2	Strength of Materials 1	2	1	1		4
1	2	Technical Drawing and Infographics 2	1		2		3
1	2	Robotics 2	2		2		4
2	1	Probability Theory and Mathematical Statistics	1	2			4
2	1	Strength of Materials 2	2	2			5

2	1	Machine Elements	2		1	1	5
2	1	Materials Technology 2	2		2		4
2	1	Technical Drawing and Infographics 2	2		2		4
2	1	Computer Programming and programming languages 3	2		2		5
2	1	Applied Informatics	1		1		3
2	2	Numerical Methods	1	2			3
2	2	Standardized Mechanical Components	2		1	1	4
2	2	Tolerances and Dimensional Control	2		1		3
2	2	Driving Systems 1	2		2		5
2	2	Project Management	2		2		3
2	2	Robotics 3	2		2		5
2	2	Internship 1	90 hours				4
2	2	OP1: Digital electronics	2		2		3
		OP2: Power electronics					
3	1	Computer Aided Design 1	2		2		4
3	1	Fundamentals of Industrial Robots Kinematics	2			2	4
3	1	Materials Flow Management	2		2		5
3	1	Sensors and Sensorial Systems	2		2		4
3	1	Industrial Robots Design and Operation 1	2		2		5
3	1	Driving Systems 2	2		1	1	4

3	1	OP1: Products Control by Computerized Measuring Systems	2		2		4
		OP2: Haptic Systems and Virtual Reality in Robotics					
3	2	Computer Aided Design 2	1		2		3
	2	Machines and Production Systems	1		2		3
3	2	Driving Systems 3	2		2		4
	2	Industrial Robots Design and Operation 2	2			2	5
3	2	Internship 2	270 hours				6
3	2	Programable Logic Controllers	2		2		4
	2	Microcontrollers, Microprocessors					
3	2	Acquisition Systems Interfaces and Virtual Instrumentation	1		1		2
	2	Acquisition Systems and Complex Data Processing					
3	2	Computer Aided Design 3a	2		2		3
	2	Computer Aided Design 3b					
4	1	Industrial Robots Implementing into Production Systems	2			2	5
4	1	Computer Aided Design for Flexible Manufacturing Systems	2		2		5
4	1	Industrial Robot Components Manufacturing Technology	2			2	4

4	1	Computer Aided Design 4	2		2		4
4	1	Computer Aided Engineering 1	2		2		4
4	1	Dynamics of robots	2		2		4
4	1	Industrial Robots Vibrations and Stability					
4	1	Industrial Robots Textual Programming	2		2		4
4	1	Industrial Robots Control Equipments and Systems					
4	2	Industrial Robots Testing and Validation	2		2		4
4	2	Computer Aided Engineering 2	2		2		4
4	2	Design and Operation of Robotic Manufacturing Systems	2			2	4
4	2	Computer Aided Manufacturing	2		2		4
4	2	Practical activities for Diploma work	60 hours (2 weeks *30 hours/week)				6
4	2	Elaboration of Diploma work				4	4
4	2	Fundamentals of Industrial Robots Offline Programing and Simulation	2		2		4
4	2	Rapid Prototyping Techniques					