

Quarter	Name	Study Units	Category *	EC
1.1	Electronics, Sensors and Actuators	Circuit Analysis 1	A	6
		Calculus 1	B	4
		Project Sensors& Actuators	C	5
1.2	Electric Circuits	Circuit Analysis 2	A	5
		Calculus 2	B	3
		Project Power electronics	C	4
		Programming in C	D	3
1.3	Electronics	Electronics	A	7
		Vector Calculus	B	3
		Project Electronics	C	5
1.4	Fields & Waves	EM statics	A	5
		Linear Algebra	B	3
		Electrodynamics Theory & Antenna Project	A+C	7

*The categories A,B,C,D are used for the binding recommendation of (dis)continuation of studies

Quarter	Name	Study Units	EC
2.1	Computer Systems for EE	Computer Architecture and Organisation	4
		Digital Hardware**	6
		Continuous Linear Systems	5
2.2	Systems & Control	Engineering System Dynamics	5
		Control Engineering	5
		Project System & Control	5
2.4	Signal Processing and Communications	Communication systems	6
		Digital Signal Processing	5
		Probability Theory	4

** Project is part of new unit Digital Hardware

And one of the two elective modules

Quarter	Name	Study Units	EC
2.3	Device Physics	Semiconductor Physics	3
		Semiconductor Devices	3
		Single Electron Transistor	1.5
		Micromechanical Devices	3
		Optical Devices	1.5
		Project	3
		2.3	Network Systems for EE

Quarter	Name	Study Units	EC
3.1+3.2		Two elective minors	30
3.3	Electronic Systems Design	Electronics Systems Design ***	10.5
		System Engineering – 25%	
	Philosophy of Technology and Design – 25%	
		Prototyping – 50%	
		Electronics Signal Processing	3.5
	Preparation Bachelor Thesis	1	
3.4	Bachelor Thesis Project EE	Bachelor Thesis Project EE***	15
		Scientific Quality –50%	
		Communication – 30%	
		Organisation, planning& collaboration - 20%	

*** The grades of the topics within the unit will appear on the diploma supplement. Also for these topics (the minimum grades is 5.5)