The first year consists of the following units of study, with the indicated study load in credits

Module	Name	Study Units	Category *	EC
1	Electronics, Sensors and Actuators	Circuit Analysis 1 Calculus 1 Sensors & Actuators Project	A B C	6 4 5
2	Electric Circuits	Circuit Analysis 2 Calculus 2 Power Electronics Project Programming in C	A B C C	4 4 4 3
3	Electronics	Low Frequency Electronics Electro – and MagnetoStatics Vector Calculus Electronics Project	A A B C	5 5 2 3
4	Wireless Transmission	High Frequency Electronics Electrodynamics Linear Algebra Wireless Transmission Project	A A B C	4.5 3 3 4.5

**** The categories A, B and C are used in Article A6 of the EER***

The second year consists of the following study units, with the indicated study load in credits

Module	Name	Study Units	EC
5	Computer Systems for EE	Computer Architecture and Organisation Digital Hardware Continuous Linear Systems	4 6 5
6	Systems & Control	Engineering System Dynamics Control Engineering System & Control Project	5 5 5
8	Signal Processing and Communications	Communication Systems Digital Signal Processing Probability Theory	6 5 4

And one of the two elective modules:

Module	Name	Study Units	EC
7A	Device Physics	Semiconductor Physics Semiconductor Devices Single Electron Transistor Transduction & Mechanical Devices Optical Devices Project	3 3 1.5 3 1.5 3
7B	Network Systems for EE	Network Systems Programming 2	12 3

The third year consists of the following units of study, with the indicated study load in credits

Module	Name	Study Units	EC
9+10		Two elective minors	30
11	Electronic System Design	Electronic System Design System Engineering – 25% Philosophy of Technology and Design – 25% Prototyping - 50% Embedded Signal Processing Survey Paper	8.5 5.5 1
12	Bachelor Thesis Project EE	Bachelor Thesis Project EE Scientific Quality - 50% Communication - 30% Organisation, planning & collaboration - 20%	15