

Course of Study Electrical Engineering (Study Cohort w19)

Legend:

Core qualification	Elective Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification	Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

Sample course plan X	Bachelor Electrical Engineering (ETBS)		Semester 3	Semester 4	Semester 5	Semester 6
	Form Hrs/wk		Form Hrs/wk	Form Hrs/wk	Form Hrs/wk	Form Hrs/wk
1	Procedural Programming		Electrical Engineering II: Alternating Current Networks and Basic Devices	Electrical Engineering III: Circuit Theory and Transients	Theoretical Electrical Engineering I: Time-Independent Fields	Theoretical Electrical Engineering II: Time-Dependent Fields
2	Procedural Programming VL 1		Electrical Engineering II: Alternating Current Networks and Basic Devices VL 3	Circuit Theory VL 3	Theoretical Electrical Engineering I: Time-Independent Fields VL 3	Theoretical Electrical Engineering II: Time-Dependent Fields VL 3
3	Procedural Programming HÜ 1		Electrical Engineering II: Alternating Current Networks and Basic Devices GÜ 2	Circuit Theory GÜ 2	Theoretical Electrical Engineering I: Time-Independent Fields GÜ 2	Theoretical Electrical Engineering II: Time-Dependent Fields GÜ 2
4	Procedural Programming PR 2					
5						
6						
7	Physics for Engineers (part 1)		Objectoriented Programming, Algorithms and Data Structures	Computer Engineering	Signals and Systems	Introduction to Communications and Random Processes
8	Physics for Engineers VL 2		Objectoriented Programming, Algorithms and Data Structures VL 4	Computer Engineering VL 3	Signals and Systems VL 3	Introduction to Communications and Random Processes VL 3
9	Physics for Engineers GÜ 1		Objectoriented Programming, Algorithms and Data Structures GÜ 1	Computer Engineering GÜ 1	Signals and Systems GÜ 2	Introduction to Communications and Random Processes HÜ 1
10						Introduction to Communications and Random Processes GÜ 1
11	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields		Materials in Electrical Engineering	Measurements: Methods and Data Processing	Electrical Engineering Project Laboratory	Electronic Devices
12	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields VL 3		Materials in Electrical Engineering VL 2	Measurements: Methods and Data Processing VL 2	Electrical Engineering Project Laboratory PBL 8	Electronic Devices VL 3
13			Materials in Electrical Engineering GÜ 2	Measurements: Methods and Data Processing GÜ 1		Electronic Devices PBL 2
14	Electrical Engineering I: Direct Current Networks and Electromagnetic Fields GÜ 2		Electrotechnical Experiments VL 1	EE Experimental Lab PR 2		
15						
16						
17	Foundations of Management		Mathematics II	Mathematics III	Mathematics IV	Introduction to Control Systems
18	Introduction to Management VL 3		Linear Algebra II VL 2	Analysis III VL 2	Complex Functions VL 2	Introduction to Control Systems VL 2
19	Management Tutorial HÜ 2		Linear Algebra II GÜ 1	Analysis III GÜ 1	Complex Functions GÜ 1	Introduction to Control Systems GÜ 2
20			Linear Algebra II HÜ 1	Analysis III HÜ 1	Complex Functions HÜ 1	
21			Analysis II VL 2	Differential Equations 1 VL 2	Differential Equations 2 VL 2	
22			Analysis II HÜ 1	Differential Equations 1 GÜ 1	Differential Equations 2 GÜ 1	
23	Mathematics I		Analysis II GÜ 1	Differential Equations 1 HÜ 1	Differential Equations 2 HÜ 1	
24	Linear Algebra I VL 2					
25	Linear Algebra I GÜ 1					
26	Linear Algebra I HÜ 1					
27	Analysis I VL 2					
28	Analysis I GÜ 1					
29	Analysis I HÜ 1					
30			Physics for Engineers (part 2)		Introduction to Waveguides, Antennas, and Electromagnetic Compatibility	Electrical Power Systems I: Introduction to Electrical Power Systems
			Physics-Lab for ET PR 1		Introduction to Waveguides, Antennas, and Electromagnetic Compatibility VL 3	Electrical Power Systems I: Introduction to Electrical Power Systems VL 3
					Introduction to Waveguides, Antennas, and Electromagnetic Compatibility GÜ 2	Electrical Power Systems I: Introduction to Electrical Power Systems GÜ 2

Non-technical Courses for Bachelors (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

