

# Course of Study Electrical Engineering (Study Cohort w20)

Legend:

Core Qualification Elective Compulsory	Specialisation Elective 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)

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

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.

