

1 st semester 31 credits 27 h/week	Mathematics A1a Calculus 4/2/0/e/6 BMEE90AX00	Physics 1 3/1/0/e/4 BMETE11AX21	Foundation of computer science 3/2/0/e/5 BMEVISZAA07	Digital design 1 3/1/1/e/6 BMEVIAA04	Basics of programming 1 2/2/2/m/7 BMEVHIAA01	English for Electrical Engineering and Informatics 0/4/0/m/4 BMEGT602950	University Experience 1. (not mandatory) 0/0/2/s/0 BMEVI	Semester structure: <ul style="list-style-type: none"> registration (1w) classes (14w) <ul style="list-style-type: none"> lectures classroom practices lab. practices quizzes midterms homework assignments resits (1w) <ul style="list-style-type: none"> midterm retakes late homework submission early exams exams (20d) 	
2 nd semester 30 credits 26 h/week	Mathematics A2 Vector Functions 4/2/0/m/6 BMETE90AX59	Physics 2 2/1/0/e/4 BMETE11AX22	Materials in Electronics 2/0/0/m/2 BMEVIETAA01	Digital design 2 2/1/1/e/6 BMEVIAA05	Basics of programming 2 2/0/2/m/6 BMEVIAAA01	Signals and systems 1 3/3/0/e/6 BMEVIHVA03	University Experience 2. (not mandatory) 0/0/2/s/0 BMEVI		
3 rd semester 30 credits 26 h/week	Mathematics A3 for Electrical Engineers 2/1/0/e/4 BMETE90AX09	Mathematics A4 Probability Theory 2/2/0/e/4 BMETE90AX58	Electronics technology 2/0/2/m/4 BMEVIETAB01	Microelectronics 2/0/2/e/5 BMEVIEAB01	Electrotechnics 3/0/1/v/5 BMEVIVEAB02	Signals and systems 2 3/3/0/e/6 BMEVIHVA02	DISCLAIMER: this document is for information purposes only and has no contractual value. Its content is subject to change without notice.		
4 th semester 29 credits 25 h/week	Informatics 1 4/0/0/m/5 BMEVIAAB09	Electronics 1 2/2/0/e/5 BMEVIAAB03	Measurement technology 3/2/1/e/6 BMEVIMIA02	Infocommunication 3/2/0/e/6 BMEVITMA05	Control engineering 2/1/1/e/5 BMEVIAAB10	Power engineering 2/1/1/m/4 BMEVIVEAB01			
5 th semester 32 credits 26 h/week	Informatics 2 3/0/1/m/5 BMEVIAUAC10	Electronics 2 4/1/0/e/5 BMEVIAUAC11	Laboratory 1 0/0/4/m/5 BMEVIMIA04	Study specialization subject 2/1/0/e/4 3x	PROJECT subjects Topics of the project subjects must be related the study specialization block. Project Laboratory and BSc Thesis project can only be taken in a fixed order.		THESIS DEFENSE Organized during the last exam period in front of a committee. Includes presentation of thesis work, its discussion and oral exam in one specialization subject. Written comprehensive final exam is required in advance		
6 th semester 31 credits 26 h/week	Introduction to electromagnetic fields 2/2/0/e/5 BMEVIHVA07	Laboratory 2 0/0/4/m/5 BMEVIMIA05	Study specialization laboratory 0/0/3/m/4	Project laboratory 0/0/4/m/5 BMEVI**AL03	Free elective 2/0/0/e/2 2x	Business law 2/0/0/m/2 BMEGT55A001			Micro- and macroeconomics 4/0/0/e/4 BMEGT30A001
7 th semester 27 credits 22 h/week	BSc thesis project 0/10/0/m/15 BMEVI**AT01	Free elective 2/0/0/m/2 4x	Management and business economics 4/0/0/m/4 BMEGT20A001	Human & economic science elective 2/0/0/m/2 2x	THESIS WORK enrollment conditions - at least 174 credits are completed (up to 10 credits free elective) - all courses of the first four semesters are completed - all specialization courses are completed (up to the 6th semester)				

SUBJECT LEGEND

weekly contact hours

- lectures/
- classroom practices/
- laboratory practices

Subject title
3/1/1/m/5

credit value
according to ECTS – 1 credit represents 30 work hours

number of similar subjects OR study specialization block (if applicable)
3x

requirement
m: mid-semester mark
e: exam
s: signature

subject code
as in the Neptun course management system

SUBJECT TYPES

- Fundamentals in natural sciences
- Core engineering knowledge
- Specialization studies
- Economics & humanities
- Free electives
- Prerequisite for specialization