

1 st semester 32 credits 30 h/week	Mathematics A1a Calculus 4/2/0/e/6 BMETE90AX00	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 BMEGT60Z950	University Experience 1. (not mandatory) 0/2/0/s/0 BMEVIDHAA0V1
2 nd semester 30 credits 25 h/week	Mathematics A2 for Electrical Engineers 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 BMEVIAUA01	Signals and Systems 1 3/3/0/e/6 BMEVIHVA003	University Experience 2. (not mandatory) 0/2/0/s/0 BMEVIDHAA0V2
3 rd semester 28 credits 25 h/week	Mathematics A3 for Electrical Engineers 2/1/0/e/4 BMETE90AX09	Mathematics A4 Probability Theory 2/2/0/m/4 BMETE90AX58	Electronics Technology 2/0/2/m/4 BMEVIETAB01	Microelectronics 2/0/2/e/5 BMEVIEEB01	Electrotechnics 3/0/1/e/5 BMEVIVEAB02	Signals and systems 2 3/3/0/e/6 BMEVIHVA002	DISCLAIMER: this document is for information purposes only and has no contractual value. Its content is subject to change without notice.
4 th semester 31 credits 27 h/week	Informatics 1 4/0/0/m/5 BMEVIAAB09	Electronics 1 2/2/0/e/5 BMEVIHAB03	Measurement Technology 3/2/1/e/6 BMEVIMAB02	Infocommunication 3/2/0/e/6 BMEVITMAB05	Control Engineering 2/1/1/e/5 BMEVIAAB10	Power Engineering 2/1/1/m/4 BMEVIVEAB03	
5 th semester 30 credits 25 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 BMEVIMIAC14	Study Specialization Subject 2/2/0/e/5 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 30 credits 24 h/week	Introduction to Electromagnetic Fields 2/2/0/e/5 BMEVIHVA007	Laboratory 2 0/0/4/m/5 BMEVIMIAC15	Study Specialization Laboratory 0/0/3/m/5	Project Laboratory 0/0/3/m/5 BMEVI**AL05	Free Elective 2/0/0/m/2 2x	Business Law 2/0/0/m/2 BMEGT55A001	
7 th semester 29 credits 22 h/week	BSc Thesis Project 0/8/0/m/15 BMEVI**AT03	Free Elective 2/0/0/m/2 3x	Management and Business Economics 4/0/0/m/4 BMEGT20A001	Human & Economic Science Elective 2/0/0/m/2 2x BMEGT****	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) - Project laboratory subject is completed		Summer internship 6 weeks/s/0 BMEVI**AS01

Semester structure:

- registration (1w)
- classes (14w)
 - lectures
 - classroom practices
 - lab. practices
 - quizzes
 - midterms
 - homework assignments
- resits (1w)
 - midterm retakes
 - late homework submission
 - early exams
 RESTRICTIONS APPLY
- exams (20d)
 - RESTRICTIONS APPLY

SUSTAINABLE ELECTRIC ENERGETICS SPECIALIZATION	Electrical Equipment and Insulations 2/2/0/e/5 BMEVIVEAC11	Innovative Tech. in Electrotechnics 2/2/0/e/5 BMEVIVEAC17	Electrical Machines and Drives 2/2/0/e/5 BMEVIVEAC10	Innovative Electrotechnics Lab. 0/0/3/m/5 BMEVIVEAC14
EMBEDDED AND CONTROL SYSTEMS SPECIALIZATION	Microcontroller Based Systems 2/2/0/e/5 BMEVIAUAC12	Robotic Systems 2/2/0/e/5 BMEVIAAC06	Embedded Software Development 2/2/0/e/5 BMEVIMIAC17	Study Specialization Laboratory 0/0/3/m/5
INTELLIGENT COMMUNICATION SPECIALIZATION	High Frequency System Techniques 2/2/0/e/5 BMEVIHVA008	Networking Techn. and Applications 2/2/0/e/5 BMEVITMAC09	Mobile Comm. Networks 2/2/0/e/5 BMEVIHAC10	High Frequency Systems Laboratory 0/0/3/m/5 BMEVIHVA009

SPECIALIZATION Enrollment conditions:

- at least 90 credits are complete
- all courses of the first and second semesters are completed
- at least 20 credits of the third semester are completed

The number of students must exceed a certain threshold.

SUBJECT LEGEND

weekly contact hours

- lectures/
- classroom practices/
- laboratory practices

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

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

Subject title
3/1/1/m/5

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

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