

1 st semester 31 credits 28 h/week	Calculus 1 for informaticians 4/2/0/e/6 BMETE90AX21	Basics of physics 1/1/0/m/2 BMETE11AX52	Introduction to the theory of computing 1 4/2/0/e/6 BMEVISZAA06	Digital design 2/1/1/e/5 BMEVIMIAA03	Basics of programming 1 2/2/2/m/7 BMEVIEAA00	Fundamentals of Electronics and Electrotechnics 2/0/1/e/3 BMEVIETAA00	English for Electrical Engineering and Informatics 0/4/0/m/4 BMEGT60Z950	University Experience 1. (not mandatory) 0/0/2/s/0 BMEVI
2 nd semester 32 credits 27 h/week	Calculus 2 for informaticians 4/2/0/e/6 BMETE90AX57	Physics i 2/2/0/e/4 BMETE11AX24	Introduction to the theory of computing 2 2/2/0/e/5 BMEVISZAA04	Computer architectures 3/1/0/e/5 BMEVHIAA03	Programming 2 2/0/2/m/6 BMEVHIAA03	Theory of algorithms 2/2/0/m/5 BMEVISZAA08	University Experience 2. (not mandatory) 0/0/2/s/0 BMEVI	DISCLAIMER: this document is for information purposes only and has no contractual value. Its content is subject to change without notice.
3 rd semester 31 credits 25 h/week	Probability theory and Statistics 4/2/0/e/6	Coding technology 3/1/0/e/4 BMEVHIAB04	Operating systems 3/0/1/m/5 BMEVIMIAB03	Databases 2/1/1/e/5 BMEVITMAB04	Programming 3 2/0/2/m/5 BMEVHIAA00	Software Engineering 3/0/1/e/5 BMEVIMIAB04		
4 th semester 29 credits 24 h/week	Communication networks 4/0/2/e/7 BMEVITMAB06	Software techniques 2/0/2/e/5 BMEVIAUAB00	Software project laboratory 0/0/2/m/4 BMEVHIAA11	Computer graphics 3/0/1/e/5 BMEVHIAA12	Management and business economics 4/0/0/m/4 BMEGT20A001	Business law 2/0/0/m/2 BMEGT55A001		
5 th semester 29 credits 25 h/week	Artificial intelligence 3/0/1/e/5 BMEVIMIAA16	Professional subject 2/0/2/m/5 BMEVI*****	Study specialization subject 3x 2/2/0/e/5	STUDY SPECIALIZATION Project Laboratory and BSc Thesis work can only be taken in a fixed order. Specialization Enrollment conditions: <ul style="list-style-type: none"> at least 90 credits are completed ALL courses of the first and second semesters are completed at least 20 credits are completed from the third semester 				
6 th semester 29 credits 24 h/week	IT security 3/0/1/e/5 BMEVHIAA01	Professional subject 2x 2/0/2/m/5 BMEVI*****	Study specialization laboratory 1 0/0/2/m/3	Project laboratory 0/0/4/m/5 BMEVI**AL01	Free elective 4/0/0/e/4	Micro- and macroeconomics 4/0/0/e/4 BMEGT30A001	Summer internship 8 weeks/s/0 BMEVI****	
7 th semester 29 credits 23 h/week	Professional subject 2/0/2/m/5 BMEVI*****	BSc thesis project 0/10/0/m/15 BMEVI**AT00	Free elective 3x 2/0/0/m/2	Human & economic science elective 2/0/0/m/2 BMEGT*****	THESIS DEFENCE Organized in the last exam period in front of a committee. Includes presentation of thesis work, discussions and oral exam in one specialization subjects. Written comprehensive final exam is required in advance.		THESIS PROJECT enrollment conditions <ul style="list-style-type: none"> at least 174 credits are completed (up to 10 credits free electives) All courses of the first four semesters are completed all specialization courses are completed (up to the 6th semester) 	



Legend

- Fundamentals in sciences
- Core engineering knowledge
- Specialization studies
- Economics & humanities
- Free electives

Course title
3/1/1/m/5
BM CourseCode

weekly contact hours
(lectures/classroom practice/lab. practice)
3x

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

requirement
m – mid-semester mark
e – exam

subject code
(as in the Neptun system)

number of similar subjects