BSc degree program in Electrical Engineering

**Mandatory prerequisites**

- This document contains the subjects which has a prerequisite. The full list of the subjects to be completed in each semester can be found in the program description and the roadmap.
- Enrollment for specialization and Thesis work is also based on preliminary conditions; it is included in the program description.
- The datasheet of some specialization subjects may include prerequisites.

LEGEND

- continuous line with arrow: credit for the prerequisite course is required to enroll
- continuous line with dot: student cannot enroll earlier than the semester of the prerequisite course (also enrolled)
- dashed line with arrow: signature of the prerequisite course is required to enroll

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1st semester
- Mathematics A1 BMETE90AX00
- Physics 1 BMETE11AX21
- Digital design 1 BMEVIIIAA04
- Basics of programming 1 BMEVIHIAA01

2nd semester
- Mathematics A2 BMETE90AX26
- Physics 2 BMETE11AX22
- Signals and systems 1 BMEVIHVAA00
- Digital design 2 BMEVIIIAA02
- Basics of programming 2 BMEVIUAAB01

3rd semester
- Mathematics A3 BMETE90AX09
- Mathematics A4 BMETE90AX51
- Electronics tech. and materials BMEVIETAB00
- Signals and systems 2 BMEVIHVAB01
- Electronics 1 BMEVIHIAB02
- Electrotechnics BMEVIVEAB00

4th semester
- Control Engineering BMEVIIIB05
- Infocommunications BMEVITMAB03
- Power Engineering BMEVIVEAB01
- Measurement technology BMEVIMIAB01
- Informatics 1 BMEVIIIAB08
- Informatics 2 BMEVIUAAB01

5th semester
- Training Project Laboratory BMEVI**AL02
- Introduction to electromagnetic fields BMEVIHVAC03
- Laboratory 1 BMEVIMIAC12
- Electronics 2 BMEVIUAAC05

6th semester
- Project laboratory BMEVI**AL03
- Microelectronics BMEVIEEAB00
- Laboratory 2 BMEVIMIAC13

7th semester
- BSc thesis project BMEVI**AT01