BSc degree program in Electrical Engineering
valid from 2015 Fall

**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.

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**1st semester**
- Mathematics A1
  - BMETE90AX00
- Physics 1
  - BMETE11AX21
- Digital design 1
  - BMENVIIIAY40
- Basics of programming 1
  - BMENVIIAYA01

**2nd semester**
- Mathematics A2
  - BMETE90AX26
- Physics 2
  - BMETE11AX22
- Signals and systems 1
  - BMENVIIAY00
- Digital design 2
  - BMENVIIAY42
- Basics of programming 2
  - BMENVIIAYA01

**3rd semester**
- Mathematics A3
  - BMETE90AX09
- Mathematics A4
  - BMETE90AX51
- Electronics tech.
  and materials
  - BMENVIIAY10
- Signals and systems 2
  - BMENVIIAY00
- Electronics 1
  - BMENVIIAY12
- Electrotechnics
  - BMENVIIAYB00

**4th semester**
- Control Engineering
  - BMENVIIAY05
- Infocommunications
  - BMENVIIAY13
- Power Engineering
  - BMENVIIAY01
- Measurement technology
  - BMENVIIAY01
- Informatics 1
  - BMENVIIAY18
- Informatics 2
  - BMENVIIAY19

**5th semester**
- Training Project Laboratory
  - BMENVIIAY02
- Introduction to electromagnetic fields
  - BMENVIIAY13
- Laboratory 1
  - BMENVIIAY12
- Electronics 2
  - BMENVIIAY14

**6th semester**
- Project laboratory
  - BMENVIIAY03
- Microelectronics
  - BMENVIIAY10
- Laboratory 2
  - BMENVIIAY13

**7th semester**
- BSc thesis project
  - BMENVIIAY01

**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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