MSc degree program in Electrical Engineering

4 semesters, 120 credits, starts: Fall, valid from 2016

**Main specialization**
- 1st semester
  - Advanced mathematics 2/1/0/m/4
  - Electromagnetic Fields 3/1/0/e/4
  - Project laboratory 1 0/0/5/m/5
  - Free elective 2/0/0/m/2
- 2nd semester
  - Main specialization subject 2/1/0/e/4
  - Secondary specialization subject 2/1/0/e/4
  - Diploma Thesis Design 1 0/5/0/m/10
  - Diploma Thesis Design 2 0/10/0/m/20

**Secondary specialization**
- 1st semester
  - Advanced mathematics 2/1/0/m/3
  - Common subject 3/0/0/m/4
- 2nd semester
  - Main specialization laboratory 0/0/3/m/4
  - Diploma Thesis Design 1 2/0/0/m/2

**Mandatory human & economic science elective** 2/0/0/m/2

**Electromagnetic Fields subject can be substituted by Physics 3 (BMETE11MXX3) subject available in the spring semester.**

**DISCLAIMER:** this roadmap is for information purposes only, without contractual value. Content is subject to change without notice.

**MINIMAL NUMBER OF APPLICANTS REQUIRED**

---

**Common subjects**
- Communication theory 3/0/0/m/4
- Measurement theory 3/0/0/m/4
- Alternating current systems 3/0/0/m/4
- Linear algebra 2/1/0/m/3
- Advanced mathematics BMETE90MK54
- Stochastics 2/1/0/m/3
- Combinatorial optimization 2/1/0/m/3

**Project lab and MSc thesis topics must be related to the main or secondary specialization. One subject in the common subjects block and two subjects from the Advanced mathematics block are determined by the main specialization. Subjects from remaining specialization blocks can be selected as free electives.**