### MSc degree program in Electrical Engineering

The Faculty of Electrical Engineering and Informatics at Budapest University of Technology and Economics offers a 4-semester, 120-credit MSc degree program starting in Fall, valid from 2016.

#### Semester Structure:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Hours/Week</th>
</tr>
</thead>
<tbody>
<tr>
<td>0th</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>1st</td>
<td>30</td>
<td>25</td>
</tr>
<tr>
<td>2nd</td>
<td>32</td>
<td>22</td>
</tr>
<tr>
<td>3rd</td>
<td>30</td>
<td>18</td>
</tr>
</tbody>
</table>

**Classes (14 weeks)**
- Lectures
- Classroom practices
- Lab. practices
- Quizzes
- Midterms
- Homework assignments

**Exams (20 days)**
- Retakes of midterm(s)
- Late homework

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

### Main Specialization

- Advanced mathematics 2/1/0/m/3
- Photonics Devices 4/0/0/m/4
- Electromagnetic Fields 3/1/0/e/4
- Engineering management 4/0/0/e/4
- Mandatory human & economic science elective 2/0/0/m/2

**Project laboratory 1**
- 0/0/5/m/5

**Free elective**
- 2/0/0/m/2

**THESIS DEFENSE SESSIONS**
- Organized during the last exam period. Includes presentation of thesis work, discussion, oral exam in two subjects

**MINIMAL NUMBER OF APPLICANTS REQUIRED**

### Secondary Specialization

- Mobile and wireless networks 2/1/0/e/4
- Broadband wireless t-comm. & broadcasting systems 2/1/0/e/4
- Foundations of multimedia technologies 2/1/0/e/4
- Media informatics systems 0/1/0/e/4
- Lab. on multimedia systems & services 1 0/0/0/m/3

**Electric Power Systems Laboratory**
- 0/0/3/m/4

**Alternating current systems**
- 0/0/3/m/4

### Common Subjects

#### Communication theory
- 3/0/0/m/4

#### Measurement theory
- 3/0/0/m/4

#### Alternating current systems
- 0/0/3/m/4

**Subject title**
- ECTS credit
- Subject code
- 1 credit represents 30 working hours
- 3x

**Semester**
- 11/11/5

**Subject code**
- as in the Nep-tun system
- m – mid-semester mark
- e – exam

### MSc degree program roadmap.

See [www.vik.bme.hu/en](http://www.vik.bme.hu/en) for more details and regulations.

Last updated: 22 August, 2017

Copyright BME VIK, 2016