<table>
<thead>
<tr>
<th>Name of faculty:</th>
<th>Faculty of Mechanical, Electrical Engineering and Informatics</th>
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<tbody>
<tr>
<td>Type and name of qualification:</td>
<td>Computer Science Engineer (MSc)</td>
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<tr>
<td>Duration of studies:</td>
<td>4 semesters – full time programme</td>
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<td>Intake:</td>
<td>September</td>
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**Programme Introduction**

The goal of the education programme is to provide students with high level knowledge built on a strong foundation of natural and technical sciences related to the fields of Computer Science and Information and Communications Technologies (ICT) in order to enable them to understand, design, implement and integrate complex, heterogeneous networked systems, and furthermore, to coordinate and perform research and development tasks for IT purposes. The programme will equip students with knowledge of algorithms, performance and quality of IT services, communications systems protocols and architectures, the safe and secure design of hardware and software components of embedded and distributed systems, and also to combine a scientific perspective with the practical engineering approaches. Advanced and emerging future technologies, such as Artificial Intelligence methods are in a special focus. As a basic objective, the students will be prepared to be able to continue their studies in postgraduate schools, such as in the Multidisciplinary Doctoral School of Engineering Sciences at Széchenyi István University.

**Who is it for?**

The MSc program is designed for students and professionals holding bachelor degrees (BSc) in diverse areas of engineering and sciences who desire to further their career by adding new knowledge, tools and skills from a cross-disciplinary perspective with a strong focus on improving skills necessitated by research. The program is designed to accommodate full-time students only.

**Specialization:**

None

**Structure of studies**

The total number of credits needed to complete the programme is 120 credits. The courses of the programme are divided into six categories: basic knowledge of natural sciences (20 credits), knowledge of economics and human sciences (9 credits), professional core material (33 credits), differentiated professional knowledge (22 credits), optional subjects (6 credits), thesis work (30 credits). 1 credit equals one ECTS credit, and 1 credit is defined as 25 student working hours.

**Language requirements**

English as a primary language of instruction: automatic acceptance. Otherwise, one of the following indications of English-language proficiency: (a) TOEFL IBT test score of 66, or PBT score 513, (b) Cambridge First Certificate "B", (c) IELTS score of 5.5(d) any official certificate equal to the above mentioned.

**Academic requirements**

An authorized copy of a BSc degree from any higher education institution already completed that is relevant to your application.

**Tuition fee**

3,000 EUR/semester

**Application fee**

100 EUR/ application