

FRAMEWORK INTERNSHIP PROGRAM FOR THE FIELD OF STUDY ELECTRICAL ENGINEERING general academic profile – semester 6

The workplace hosting the student for professional internship appoints a company supervisor to whom the student-intern will be subordinate. Internship completion means that the student has achieved the following learning outcomes based on knowledge, skills and relevant competences:

I. The degree of achievement of learning outcomes in the field of KNOWLEDGE:

1. He/she has practice-based knowledge in the field of electrical engineering, with emphasis on major subjects.
2. He/she has a structured and theory-based knowledge of construction, operation and use of transformers, electrical machines and technical systems, is familiar with the processes taking place in their life cycle.
3. He/she knows the structure and principle of operation of electronic, optoelectronic and simple analogue and digital electronic and power electronic systems, understands the processes occurring in their life cycle.
4. He/she knows and understands typical engineering technologies in the field of study, is familiar with the latest development trends.
5. He/she has basic knowledge of the management and creation, conduct and development of business activities related to the given qualification.

II. The degree of achievement of learning outcomes in the field of KNOWLEDGE:

1. He/she knows how to use knowledge in the field of electrical engineering, with emphasis on major subjects.
2. He/she is able to critically analyze and evaluate the functioning of existing electrical systems and devices, using appropriate methods and tools.
3. He/she knows how to use properly selected IT tools to simulate, design and analyze electrical systems.
4. He/she implements occupational health and safety rules
5. He/she can assess the usefulness of basic methods and tools used to solve practical engineering tasks, typical of the field of electrical engineering, and to select and apply appropriate methods and tools.

III. The degree of achievement of learning outcomes in the field of SOCIAL COMPETENCES:

1. He/she is aware of the need to initiate action for the public interest, understands various aspects and effects of electrical engineer's activities, including impact on the environment, and the associated responsibility for the decisions taken.
2. He/she is aware of the importance of his/her own work and the need to comply with the principles of professional ethics, is ready to comply with the principles of teamwork and to take responsibility for jointly carried out tasks, as well as to care for the achievements and traditions of the profession.
3. He/she is able to think and act in an entrepreneurial way in the area of electrical engineering.