

FRAMEWORK INTERNSHIP PROGRAM FOR THE FIELD OF STUDY ELECTRICAL ENGINEERING general academic profile – semester 4

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 the curriculum for the field of electrical engineering, with emphasis on major subjects in the field of study.
2. He/she knows and understands basic laws of electrical engineering, properties of elements of electrical circuits, has detailed knowledge in the field of electrical circuit theory (for steady and transient states), knows and understands long transmission line theory.
3. He/she has structured knowledge in the field of metrology and the properties and operation of modern measuring equipment.
4. He/she has a structured and theoretically based knowledge of the construction, operation principles and use of transformers, electrical machines and technical systems, he/she knows the processes taking place in their life cycle.
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 SKILLS:

1. He/she knows how to use knowledge in the curriculum for the field of electrical engineering, with emphasis on major subjects.
2. He/she knows how to plan and organize individual and team work, can estimate the time needed to complete the commissioned task; is able to develop and implement a work schedule ensuring that the deadline is met.
3. He/she knows how to plan and conduct an experiment, including testing and diagnosing simple electrical systems and devices.
4. He/she implements occupational health and safety rules.
5. He/she is able to assess the usefulness of basic methods and tools used to solve practical engineering tasks, typical for the field of electrical engineering, and to select and apply appropriate methods and tools.
6. He/she can operate electrical equipment correctly in accordance with general requirements and technical documentation.

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 impacting the environment, and 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 field of electrical engineering.