



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Vocational internship [N1Inf1>PRAKT]

### Course

Field of study

Computing

Year/Semester

3/6

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

polish

Form of study

part-time

Requirements

compulsory

### Number of hours

Lecture

0

Laboratory classes

0

Other (e.g. online)

160

Tutorials

0

Projects/seminars

0

### Number of credit points

5,00

### Coordinators

dr Maciej Machowiak

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### Lecturers

### Prerequisites

A student starting this subject should have basic knowledge acquired in earlier years of study, enabling him to undergo professional practice. He should also understand the need to expand his competences / be ready to cooperate within a team. Moreover, in terms of social competences, the student must demonstrate attitudes such as honesty, responsibility, perseverance, cognitive curiosity, creativity, personal culture, and respect for other people.

### Course objective

The aim of the student internship is to familiarize students with the practical aspects of pursuing the profession of an IT specialist/AI specialist and to become acquainted with a potential future employer. The student performs tasks assigned to him by the person supervising him on behalf of the enterprise at the headquarters of the enterprise/company. At the end of the internship, the student completes a report on the work carried out, which should be certified by a supervisor from the company. A set of documents and procedures regarding professional practice is available on the WIiT website.

### Course-related learning outcomes

Knowledge:

The student knows and understands the basic techniques, methods, algorithms and tools used in the process of solving IT tasks.

The student has the necessary preparation to work in a business environment, including an industrial environment, and knows the safety rules related to performing the IT profession

**Skills:**

The student has the necessary preparation to work in a business environment, including an industrial environment.

The student is able to critically analyze and evaluate the functioning of IT systems.

The student is able to plan and organize work to carry out engineering tasks - individually and in a team.

**Social competence:**

The student is able to function and cooperate in a group, taking on various roles in it, and is able to appropriately determine priorities for the implementation of a given task by himself or others.

The student is able to think and act in an entrepreneurial way, including: finding commercial applications for the created systems, taking into account not only economic benefits, but also legal and social aspects.

The student is ready to responsibly perform professional functions and correctly identify and resolve dilemmas related to the profession of an IT specialist.

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Summary rating:

After completing the internship, students are obliged to provide the internship supervisor with the required documentation of the internship, confirmed by the company internship supervisor.

The assumed learning outcomes are checked by assessing the above-mentioned documentation submitted by the student to the internship supervisor, including on the basis of the opinion issued by the company internship supervisor.

### Programme content

Student-intern tasks:

1. Undertaking occupational health and safety training in accordance with the regulations in force at the plant.

2. Completion of tasks from the internship program in the following thematic areas:

- learning the principles of work organization: organizational structures, division of competences, procedures, work planning, control, including: getting to know the structure of the company and the functions of individual departments;
- getting acquainted with the ISO-900x certificate, if the company has it;
- performing an independent engineering task appropriate to the trainee's education level and settling accounts for the completion of this task;
- joining the team in the design and implementation of systems that are the subject of activities at the practice site;
- becoming familiar with the structure, programming methods, assembly, commissioning or testing of systems operated, designed, assembled or commissioned in the plant;
- joining the process of creating, testing, documenting and implementing software used in the company.

### Teaching methods

Depending on the place of internship and the tasks performed, the following teaching methods may be used: (1) problem-based or conversational lecture; (2) brainstorming; (3) design.

### Bibliography

Basic:

1. Regulations of first-cycle and second-cycle studies adopted by the Academic Senate of the Poznań University of Technology.
2. Regulations of student professional internships at the Poznań University of Technology.

Supplementary:

1. B. Rączkowski, Occupational health and safety in practice. Gdańsk: ODDK, 2014.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	160	5,00
Classes requiring direct contact with the teacher	0	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	160	5,00