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Overview of professional internship programs at Faculty of Electrical Engineering University of East Sarajevo

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Academic credit-bearing individual internship program

Type of internship: practical work - summer internship, undergraduate study program

Internship timing and duration: after VI semester (3rd year), before VII semester (4th year), 60 working hours

Internship location: company or institution associated with Faculty of Electrical Engineering

Study programs: Electric Power Engineering
Automation and Electronics
Computer Science and Informatics

Course: Practical Work - Summer Internship
obligatory course in VII semester
15 sessions, 4 hours per session, a total of 60 hours (teaching workload)
Internship report, 2 hours per session, a total of 30 hours (student workload)
Total workload: 90 hours - 3 ECTS

Academic credit-bearing individual internship program

Associated companies and institutions: signed cooperation agreement with Faculty of Electrical Engineering

The list of associated companies and institutions providing summer internships during 2023/24:

1. Energo-Group d.o.o., Istočno Sarajevo
2. LANACO informacione tehnologije, Banja Luka
3. Elektroinvest d.o.o., Istočno Sarajevo
4. Institut RT-RK d.o.o., Banja Luka
5. Institut za metrologiju BiH, Sarajevo
6. Institut za standardizaciju BiH, Istočno Sarajevo
7. MH ERS MP a.d. Trebinje ZP Hidroelektrane na Drini a.d., Višegrad
8. Nezavisni operator sistema u BiH, Sarajevo
9. Termoaparati a.d., Istočno Sarajevo
10. Walter d.o.o., Sarajevo
11. MH ERS ZP Elektrodistribucija a.d. Pale, Pale
12. Galeb Internacional d.o.o., Istočno Sarajevo
13. EdenGarden d.o.o., Istočno Sarajevo
14. K-INEL, Istočno Sarajevo
15. IRCE a.d., Istočno Sarajevo
16. Digitalni ozon, Banja Luka

Academic credit-bearing individual internship program

Individual internship procedure:

1. Student have the option to either select an associated company from the faculty's or propose a new company. (the new company is evaluated for cooperation agreement compatibility).

2. The internship activities are a collaborative agreement between the student, the faculty, and the hosting company.

3. The hosting company selects a mentor who is experienced in the relevant field of the internship.

4. The relevant faculty department reviews the proposed plan of internship activities.

5. Under the guidance of the mentor, the student is responsible for writing an internship report that summarizes experience, tasks, and learning outcomes from the internship.

6. The mentor is responsible for evaluating the student's performance during the internship. The faculty department evaluates the internship report submitted by the student.

Academic credit-bearing individual internship program

Study visits to associated companies are highly beneficial for students in arranging internships.

An example of a study visit to the Institute of Metrology of Bosnia and Herzegovina (IMBIH) in 2022:

Innovated study program (Master's degree): Renewable Energy Sources and Smart Grids

O.N.	Subject name	Semester		
		II (X)		
		LECTURES	EXERCISES	ECTS
6.	Student practice	-	-	6.0
7.	Research work	-	-	6.0
8.	Master thesis	-	-	18.0
	TOTAL	-	-	30

Student practice is individual and should be closely related to the research work and master's thesis.

This student practice is supervised by a mentor from the Faculty of Electrical Engineering.

The associated companies or institutions are encouraged to participate in students' research related to their master's thesis.

Internship programs for groups of students

Group internship programs are initiated by companies or institutions according to their needs.

<u>Example 1</u>: Group internship program of telecommunication company MTEL (August 2024)

For students of from (ICT study programs):

Faculty of Electrical Engineering, University of Banja Luka
Faculty of Electrical Engineering, University of East Sarajevo
Faculty of Electrical Engineering, University of Tuzla
Faculty of Technical Sciences, University of Novi Sad

4 internship programs (10 workdays):

DevOps Essentials: 10 students
Network Programming: 10 students
IoT – Connecting the Unconnected: 10 students
Streaming Data Analytics: 10 students

Internship programs for groups of students

Example 2: Group internship program of power engineering company ELNOS GROUP (August 2023)

For students of from (Power Engineering study programs):
Faculty of Electrical Engineering, University of Banja Luka
Faculty of Electrical Engineering, University of East Sarajevo
School of Electrical Engineering, University of Belgrade
Faculty of Technical Sciences, University of Novi Sad

Study visits to several projects of the Elnos Group:
Krivača wind farm
Medeno Polje solar power plant
Bočac 2 hydro power plant
Kostolac thermal power plant

Thank you for your attention!