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NEW STUDY PROGRAMME

TECHNICAL COLLEGE OF APPLIED STUDIES UROSEVAC - LEPOSAVIC
TCASU

18-20/09/2019. Rijeka

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University of Nis

www.swarm.ni.ac.rs

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Study programme of specialist professional studies

WATER PROTECTION

- Level of study: Second degree professional studies
- Field of education: Technical- technological
- Scientific and specialized field: Water protection
- Duration of studies: one school year/two semesters
- Total ECTS: 60
- Professional title: Water protection engineer of specialist professional studies

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Curriculum

The study program includes:

- ❑academic – general education courses,
- ❑theoretical and methodological,
- ❑scientific and professional,
- ❑professional and applicative.

- ➢8 obligatory courses
- ➢4 elective courses

- ✓8 courses to pass, including
- ✓Professional practice
- ✓Final paper

Curriculum

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Technical College of Applied Sciences Urosevac-Leposavic

Accreditation of Study program

Water protection

Curriculum by semesters and the years of study for the study program of the second level of studies

No.	Code	Courses	S	Type	Course Status.	Hours L	Hours E	Hours Oth.	Other	ECTS
FIRST YEAR										
1.		English language – higher course	1	AG	O	2	3	0	-	6
2.		Research methods and scientific communications	1	AG	O	2	3	0	-	5
3.		Hazardous Materials and Hazardous Waste	1	S	O	3	2	0	-	6
4.		Fundamentals of water protection	1	PA	O	3	2	0	-	6
Elective courses 1 (elect 1 out of 2)										
5.		Information and communication technologies in risk management	1	S	E	2	2	0	-	6
6.		Professional risk	1	S	E	2	2	0	-	6
7.		Water Treatment Methods and Technologies	2	PA	O	3	3	0	-	6
8.		Basic Principles of Water Management	2	PA	O	3	3	0	-	6
Elective courses 2 (elect 1 out of 3)										
9.		Management and development of human resources in the protection	2	PA	E	2	3	0	-	6
10.		Sustainable development and environmental protection	2	PA	E	2	3	0	-	6
11.		Professional practice	2	-	O	0	0	0	0	3
12.		Specialist Thesis	2	P	O	0	0	0	0	10
Total hours (lectures / exercises + DON / other classes) and credits per year						20	20			60
Total active classes per year						600				
Total active classes, other classes and credits for all years of study						600				60

NOTE:
designations: S= semester; L= lectures; E= exercises; Oth.= other types of lectures; ECTS= number of ECTS credits
Status of the course: O= obligatory; E=elective
Elective courses: the election of the courses is made at the enrolment of the school year in consultation with the Head of the study program and professor of the elective course.
Type: AG - Academic-General Education, PA - Professional-Applied, P - Professional

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Courses related to water management

- Basic Principles of Water Management
- Water Treatment Methods and Technologies
- Fundamentals of water protection
- Hazardous Materials and Hazardous Waste
- Sustainable development and environmental protection
- Management and development of human resources in the protection
- Professional risk
- Information and communication technologies in risk management

Study programme competencies

By mastering the study program Road Traffic the student acquires the following general abilities

- mastering methods, procedures and research processes ;
- development of critical and self-critical thinking and approach; application of knowledge in practice;
- to independently perform experiments, perform statistical processing of results, formulate and make conclusions;
- to adequately write and present the results of the work;
- development of communication skills , as well as cooperation with a narrow and international environment;

Study programme competencies

By mastering the study program, the student acquires the following subject-specific abilities

✓Basic knowledge and understanding of discipline in the field of water protection;

✓solving problems related to water protectionusing scientific methods and procedures;

✓linking basic knowledge and skills from different fields and their application;

✓ monitoring and application of novelties in the field of water protection;

✓development of skills and application of knowledge in the field of water protection;

✓use of information and communication technologies in mastering knowledge in the field of water protection.

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THANK YOU FOR YOUR ATTENTION