


	<b>University of Belgrade</b> Technical Faculty in Bor Vojske Jugoslavije 12, 19210 Bor		
	<b>ACCREDITATION OF THE STUDY PROGRAM</b>		
	UNDERGRADUATE ACADEMIC STUDIES	TECHNOLOGICAL ENGINEERING	

**UNDERGRADUATE ACADEMIC  
 STUDIES**  
 (1<sup>ST</sup> LEVEL OF THE ACADEMIC STUDIES)

**STUDY PROGRAM: TECHNOLOGICAL  
 ENGINEERING**

**CURRICULUM**

Bor, 2023.

	<b>University of Belgrade</b> Technical Faculty in Bor Vojske Jugoslavije 12, 19210 Bor		
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*Module 1 – Inorganic Chemical Tehnology*

**THE FIRST YEAR – I and II SEMESTER**

No.	Course code	Course	Number of classes per week	ECTS
I semester				
1.	ОИМ1М1	Mathematics 1	3+3	8
2.	ОТИ1Ф	Physics	3+3	8
3.	ОТИ1ОХ	General chemistry	3+3	8
4.	ОИМ1И1	Informatics 1	2+2	4
5.	ОИМ1ЕЈ1а	English language 1a	1+1	2
II semester				
6.	ОТИ1НХ	Inorganic chemistry	3+3	8
7.	ОИМ1И2	Informatics 2	2+2	6
8.	ОТИ1ИГ	Engineering graphics	2+2	6
9.	ОТИ1М2	Mathematics 2	3+3	8
10.	ОИМ1ЕЈ1б	English language 1b	1+1	2
Total			<b>23+23</b>	<b>60</b>

**THE SECOND YEAR – III and IV SEMESTER**

No.	Course code	Course	Number of classes per week	ECTS
III semester				
11.	ОИМ2С	Statistics	3+3	9
12.	ОТИ2ФХ	Physical chemistry	3+3	9
13.	ОТИ2М	Mineralogy	3+3	8
14.	ОИМ2ЕЈ2а	English language 2a	1+1	4
IV semester				
15.	ОТИ2АХ	Analytical chemistry	3+3	6
16.	ОТИ2Т	Thermodynamics	3+3	8
17.	ОТИ2ОЕ	Fundamentals of Electrical Engineering	3+2	8
18.	ОТИ2ОХ	Organic chemistry	3+3	6
19.	ОИМ2ЕЈ2б	English language 2b	1+1	2
Total			<b>23+22</b>	<b>60</b>

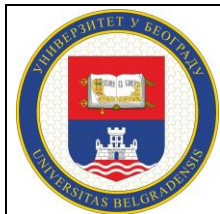
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### THE THIRD YEAR – V and VI SEMESTER

No.	Course code	Course	Number of classes per week	ECTS
V semester				
20.	OИМЗЕЈ3а	English language 3a	1+1	2
21.	ОТИЗТОХТ	Theoretical foundations of chemical technology	3+3	6
22.	ОТИЗМО	Momentum transport	3+3	8
23.	ОТИЗВНХ	Advanced inorganic chemistry	2+3	6
24.	<i>Elective course I</i>			
24.1	ОТИЗЕ	1. Ecology	3+3	8
24.2	ОТИЗЗЖС	2. Environmental Protection		
VI semester				
25.	OИМЗЕЈ3б	English language 3b	1+1	2
26.	ОТИЗОХТ	General chemical technology	3+3	8
27.	ОТИЗОПТМ	Heat and mass transport	3+3	8
28.	<i>Elective course II</i>			
28.1	ОМИ2Е	1. Electrochemistry	2+2	4
28.2	ОТИЗТ	2. Toxicology		
29.	ОТИЗОИМ	The basis of the instrumental methods	3+2	8
Total			<b>24+24</b>	<b>60</b>

### THE FOURTH YEAR – VII and VIII SEMESTER

No.	Course code	Course	Number of classes per week	ECTS
VII semester				
30.	ОТИ4НХТ	Inorganic chemical technology	3+3	8
31.	<i>Elective course III</i>			
31.1	ОТИ4ПХТ	1. Design in chemical technology	3+3	8
31.2	ОТИ4333	2. Pollution and soil protection		
32.	<i>Elective course IV</i>			
32.1	ОТИ4УХИ	1. Chemical process equipment	2+3	8
32.2	ОТИ433В	2. Pollution and air protection		
33.	ОТИ4К3	Corrosion and protection	3+3	6



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VIII semester				
<b>34.</b>	<i>Elective course V</i>			
<b>34.1</b>	ОТИ4ТНМ	1. Technology of new materials	3+3	5
<b>34.2</b>	ОТИ4ОВ	2. Wastewaters		
<b>35.</b>	ОТИ4ЕОП	Economics and organization of business	3+0	6
<b>36.</b>	<i>Elective course VI</i>			
<b>36.1</b>	ОТИ4ТВ	1. Water technology	3+3	6
<b>36.2</b>	ОТИ4КМ	2. Materials corrosion		
<b>37.</b>	<i>Elective course VII</i>			
<b>37.1</b>	ОТИ4ТК	1. Ceramics technology	2+3	6
<b>37.2</b>	ОТИ4ТС	2. Glass technology		
<b>37.3</b>	ОТИ4ОФВП	3. Fundamentals of vacuum and plasma physics		
Total			<b>22+21</b>	<b>53</b>
<b>38.</b>	ОТИ4СП	Internship professional practice	0+0+0+0+6*	3
<b>39.</b>	ОТИ4ЗРИРИ	Bachelor thesis – research	0+0+0+2+0	2
<b>40.</b>	ОТИ4ЗРИО	Bachelor thesis – preparation and defense	0+0+0+0+2*	2
Total				<b>60</b>

\*) other forms of teaching are not counted in the number of classes per week.

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*Module 2 – Environmental Engineering*

**THE FIRST YEAR – I and II SEMESTER**

No.	Course code	Course	Number of classes per week	ECTS
I semester				
1.	ОИМ1М1	Mathematics 1	3+3	8
2.	ОТИ1Ф	Physics	3+3	8
3.	ОТИ1ОХ	General chemistry	3+3	8
4.	ОИМ1И1	Informatics 1	2+2	4
5.	ОИМ1ЕЈ1а	English language 1a	1+1	2
II semester				
6.	ОТИ1НХ	Inorganic chemistry	3+3	8
7.	ОИМ1И2	Informatics 2	2+2	6
8.	ОТИ1ИГ	Engineering graphics	2+2	6
9.	ОТИ1М2	Mathematics 2	3+3	8
10.	ОИМ1ЕЈ1б	English language 1b	1+1	2
Total			<b>23+23</b>	<b>60</b>

**THE SECOND YEAR – III and IV SEMESTER**

No.	Course code	Course	Number of classes per week	ECTS
III semester				
11.	ОИМ2С	Statistics	3+3	9
12.	ОТИ2ФХ	Physical chemistry	3+3	9
13.	ОТИ2М	Mineralogy	3+3	8
14.	ОИМ2ЕЈ2а	English language 2a	1+1	4
IV semester				
15.	ОТИ2АХ	Analytical chemistry	3+3	6
16.	ОТИ2Т	Thermodynamics	3+3	8
17.	ОТИ2ОЕ	Fundamentals of Electrical Engineering	3+2	8
18.	ОТИ2ОХ	Organic chemistry	3+3	6
19.	ОИМ2ЕЈ2б	English language 2b	1+1	2

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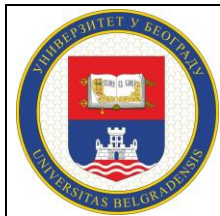
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### THE THIRD YEAR – V and VI SEMESTER

No.	Course code	Course	Number of classes per week	ECTS
V semester				
20.	ОИМЗЕЈ3а	English language 3a	1+1	2
21.	ОТИЗТОХТ	Theoretical foundations of chemical technology	3+3	6
22.	ОТИЗМО	Momentum transport	3+3	8
23.	ОТИЗВНХ	Advanced inorganic chemistry	2+3	6
24.	<i>Elective course I</i>			
24.1	ОТИЗЕ	3. Ecology	3+3	8
24.2	ОТИЗЗЖС	4. Environmental Protection		
VI semester				
25.	ОИМЗЕЈ3б	English language 3b	1+1	2
26.	ОТИЗОХТ	General chemical technology	3+3	8
27.	ОТИЗОПТМ	Heat and mass transport	3+3	8
28.	<i>Elective course II</i>			
28.1	ОМИ2Е	3. Electrochemistry	2+2	4
28.2	ОТИЗТ	4. Toxicology		
29.	ОТИЗОИМ	The basis of the instrumental methods	3+2	8
Total			<b>24+24</b>	<b>60</b>

### THE FOURTH YEAR – VII and VIII SEMESTER

No.	Course code	Course	Number of classes per week	ECTS
VII semester				
30.	ОТИ4НХТ	Inorganic chemical technology	3+3	8
31.	<i>Elective course III</i>			
31.1	ОТИ4ПХТ	1. Design in chemical technology	3+3	8
31.2	ОТИ4333	2. Pollution and soil protection		
32.	<i>Elective course IV</i>			
32.1	ОТИ4УХИ	1. Chemical process equipment	2+3	8
32.2	ОТИ433В	2. Pollution and air protection		



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<b>33.</b>	ОТИ4КЗ	Corrosion and protection	3+3	6
VIII semester				
<b>34.</b>	<i>Elective course V</i>			
<b>34.1</b>	ОТИ4ТНМ	1. Technology of new materials	3+3	5
<b>34.2</b>	ОТИ4ОВ	2. Wastewaters		
<b>35.</b>	ОТИ4ЕОП	Economics and organization of business	3+0	6
<b>36.</b>	<i>Elective course VI</i>			
<b>36.1</b>	ОТИ4ТВ	1. Water technology	3+3	6
<b>36.2</b>	ОТИ4КМ	2. Materials corrosion		
<b>37.</b>	<i>Elective course VII</i>			
<b>37.1</b>	ОТИ4ТК	1. Ceramics technology	2+3	6
<b>37.2</b>	ОТИ4ТС	2. Glass technology		
<b>37.3</b>	ОТИ4ОФВП	3. Fundamentals of vacuum and plasma physics		
Total			<b>22+21</b>	<b>53</b>
<b>38.</b>	ОТИ4СП	Internship professional practice	0+0+0+0+6*	3
<b>39.</b>	ОТИ4ЗРИРИ	Bachelor thesis – research	0+0+0+2+0	2
<b>40.</b>	ОТИ4ЗРИО	Bachelor thesis – preparation and defense	0+0+0+0+2*	2
Total				<b>60</b>

\*) остали облици наставе се не рачунају у недељно оптерећење.