

UNIFIED APPROACH TO THE STRUCTURE OF BASIC HIGHER EDUCATION - HIGHER ENGINEERING EDUCATION

(AUTUMN SEMESTER - 15 WEEKS OF THEORETICAL TRAINING
 SPRING SEMESTER - 15 WEEKS OF THEORETICAL TRAINING AND 8 WEEKS OF PRACTICAL SKILLS AND EXPERIENCE)



CONTENT OF EDUCATIONAL MODULES OF DISCIPLINES				Credits	Duration of study, year					
					1	2	3	4	5	6
EDUCATIONAL MODULES	1. Module of disciplines joint for all specialities (Core)	1.1. General Educational (9 disciplines)		39 credits	[Green bar spanning years 1-2]					
		1.2. General Technical (6 disciplines)	General Engineering Disciplines							
			Fundamentals of Scientific Knowledge Formation	[Green bar spanning years 2-6]						
	2. Major courses and Major-Specific Disciplines		Core knowledge of Major courses							183 credits
			Major-Specific Disciplines	[Orange bar spanning years 3-6]						
	3. Study-Production Skills and Experience Includes work in the position of "Engineer-Trainee"									50 weeks
ADDITIONAL ENGINEERING KNOWLEDGE	Additional Professional Competencies			8	[Cyan bar spanning years 1-6]					
	Programs for Mastering Vocational Professions			At least 2	[Cyan bar spanning years 2-5]					
	Additional Professional Qualification			At least 1	[Cyan bar in year 6]					

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ORGANIZATION OF A COMPETITIVE ENVIRONMENT AND EQUAL ACCESSIBILITY	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year
1. Admission to the 1st year based on the results of the Unified State Exam (USE) for one of four enlarged directions: 1 — Industry-Specific; 2 — General Industrial; 3 — Socio-Economic; 4 — Applied	✓					
2. Enrolment to the Major programme based on the average score of 4 sessions, considering personal achievements (additional points)		✓				
3. Mastering scientific competence at the level of professional qualification "EngineerResearcher" Successful defense of the scientific section – Additional Professional Qualification						✓
4. Mastering additional professional competencies with issuance of the Certificate (at least 8)	✓	✓	✓	✓	✓	✓
5. Mastering a vocational profession with issuance of the Certificate (at least 2)		✓	✓	✓	✓	
6. Obtaining additional professional competence in additional specialization (at least 1)						✓

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RESULT	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year
1. Certificate of completion of the "Core" of higher engineering education		✓				
2. Diploma "Engineer in the Specialty..." with defense of the thesis in the presence of companies on the sections: Technological, Economic, and Scientific — 6 years						✓
3. Diploma "Economist in the Industry", "Manager" with defense of the thesis in the presence of companies on the sections: Technological, Economic, and Scientific — 5 years					✓	
4. Supplement to the diploma for additional professional qualification "Engineer-Researcher" <i>with the defense of the scientific result at the Scientific Expert Council</i>					✓	✓
5. Certificate of mastering additional professional competencies (at least 8)	✓	✓	✓	✓	✓	✓
6. Certificate of mastering a vocational profession (at least 2)		✓	✓	✓	✓	
7. Diploma for additional professional qualification in additional specialization (at least 1)						✓