53

AGREED

2.3.1 Qualification Paper

Head of Academics Department

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE National Aviation University

APPROVED

Viçe-Rector for Academics

EXTENDED CURRICULUM
EDUCATION SEEKERS TRAINING

" 30 " 04 O. Holubnychyi 2022

№ ECB - 5 - 192 - 1 / 22

Educational and Professional Program: Industrial and civil engineering

Academic Degree: Bachelor

Field of study: 19
Specialty: 192
Educational qualification:

6,0 180

180

Mode of study: Ful Training period: 3 y

Architecture and construction

Building and civil engineering Bachelor in Building and Civil Engineering

Full-time

3 years 10 months

A. Polukhin

2022

On the basis of complete secondary education

- 11	Total	amount	οf	h

I. Schedule of Academic Process			II. TOTA		veeks)	ı not	11.2
September 29 October 27 November December 29 January 26 February 23 March 30 April 27 May June 29 July 27 Au	ugust	0	D D	9	-		
1 8 15 22 IX 6 13 20 X 3 10 17 24 1 8 15 22 XII 5 12 19 I 2 9 16 II 2 9 16 23 III 6 13 20 IV 4 11 18 25 1 8 15 22 VI 6 13 20 VII 2 9 16 17 18 15 18 15 22 VI 6 13 20 VII 2 9 16 18 15 22 VI 6 13 20 VII 2 9 16 18 15 22 VI 6 13 20 VII 2 9 16 18 15 22 VI 6 13 20 VII 2 9 16 18 15 22 VI 6 13 20 VII 2 9 16 18 15 22 VI 6 13 20 VII 2 9 16 18 18 15 22 VI 6 13 20 VII 2 9 16 18 18 18 18 18 18 18 18 18 18 18 18 18	16 23	Course	ns Trainin	Training	of Highe Seekers		Y
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Tot	al	133 1	15 2	6	4	38 1	198

X On-the-Job Training LEGEND: Academic Classes Attestation of Higher Education Seekers Д Qualification Paper :: Examinations O Educational Training = Holidays > Attestation Examination III. Academic Curriculum Hours per years of study and semesters tudy 3 Year of study 2 Year of study 4 Year of study 17 weeks 8 semester 17 weeks 4 semester Subjects and Academic Activities Depar MANDATORY COMPONENTS History of Ukrainian Statehood and 56 34 17 17 1.1 3,0 90 56 2 1 1 96 Cultur 90 34 17 17 56 2 1 Business Ukrainian Language 81 Professional Foreign Language 2 2 2 2 1g 87 1.4 3 3,5 105 51 17 34 54 3 1 2 54 97 Philosophy Physical Training and Self 1 g 3,0 90 34 34 56 2 56 811 2. Professional and Practical Training (4890 / 163,0) 80 Higher Mathematics 1,2,3 17,0 510 255 102 153 67 2g,3g 95 39 13 2.1.2 6,0 180 85 34 34 Physics 1g 54 3 2 54 55 2.1.3 Chemistry 3,5 105 51 34 17 1g 6,0 180 85 34 51 95 53 Informatics (General Course) 4,5 68 34 67 11 2.1.5 Theoretical Mechanics (Statics) 135 34 2g 34 82 82 2.1.6 Introduction to Civil Engineering 5,0 150 68 53 2g 34 2.1.7 19,29 7,0 210 102 34 34 34 108 Engineering Graphics 1,2 51 68 17 2.1.8 Urban Planning and Transport 4,5 51 67 53 135 4 1 3 2.1.9 4,5 135 4 2 53 Mechanics of Materials 68 34 34 67 2.1.10 Structural Mechanics 4g 5,0 150 68 34 34 82 4 2 2 82 53 Engineering Geodesy (General 54 2 54 51 17 53 Course) Architecture of Buildings and 34 82 5,0 150 68 34 2 82 53 Structures 2.1.13 Engineering Geology 5,0 150 68 34 34 82 4 2 2 82 53 2.1.14 Building Technical Equipment 5g 5 3,5 105 51 17 34 54 3 1 2 2.1.15 Construction Technology 5,0 150 68 34 34 82 4 2 82 53 2.1.16 69 Fluid Mechanics 6g 4,0 120 51 17 18 2.1.17 Heat-Gas Supply and Ventilation 3,5 105 51 17 34 54 53 2.1.18 Water Supply and Drain 3,5 105 51 17 34 54 2 54 53 2.1.19 Building Constructions 4,5 68 34 67 135 34 4 2 53 2 67 2.1.20 Fundamentals of Labor Protection 3,0 56 54 90 34 17 17 7g 2.1.21 Organization of Construction 5,0 150 70 28 42 80 53 80 Mechanics of Materials (Specia Course) and Fundamentals of Plasticity and Elasticity Theory 5,5 165 68 34 34 97 2 97 53 2 82 5,0 150 68 4 2 2.1.23 | Civil Engineering Materials 34 34 82 53 2.1.24 Production Base of Civil Engineering 5,0 150 68 34 82 2.1.25 Metal Structures 5,0 150 68 82 53 6 6 34 34 4 2 2 82 2 67 2.1.26 Structural Mechanics (Special Course) 135 68 67 53 2.1.27 Erection and Assembling of Structures 105 51 17 34 3 1 2 53 4,0 56 14 42 64 2.1.28 Construction Economics 8g 8,8 120 3 64 53 2.1.29 Foundation Engineering 8,8 4,0 120 56 28 28 64 64 53 2.2. Practical Subjects (360 / 12,0) 2.2.1 Educational Trainings 2.2.1,1 3,0 90 90 90 90 2.2.2 On-the-Job training Geodetic Practice for Industrial and 2.2.2.1 49 3,0 90 90 90 90 53 Civil Engineering 2.2.2.2 Technological Training for Industrial 90 6g 3,0 90 90 90 53 and Civil Engineering 2.2.2.3 Major-related Training for Industrial 3,0 90 90 53 and Civil Engineering 2.3. Attestation of Higher Education Seekers (180 / 6,0)

			W												SELE	CTIV	E CO	MPON	IENTS	6																							
3.	Subjects Selected by Students (1800 /	60,0)																							V														.,				
3.1	Introduction to Computer-Aided Design		3g			4,0	120	51	17	- 34	34	69								3	3 1		2 69																		П		53
3.2	Ecodesign		3g			4,0	120	51	17	34		69								3	3 1	2	69																				515
3.3	Solid Mechanics		3g			4,0	120	51	17		34	69								3	3 1		2 69																				53
3.4	BIM-management		4g			4,0	120	51	17		34	69												3	1	2	69																53
3.5	Fundamentals of Programming		4g			4,0	120	51	17		34	69												3	1	2	69								Ĭ								53
3.6	Monument Protection Activities		5g			4,0	120	51	17	34		69																3	1 2		59												511
3.7	Numerical Methods for Structural Design		5g			4,0	120	51	17	34		69																3	1 2		59												53
3.8	Airport Buildings and Structures		5g			4,0	120	51	34	17		69																3	2 1		69												53
3.9	Fundamentals of Computer Modeling		6g			4,0	120	51	17		34	69																				3		2 6	59								53
3.10	Constructions of Buildings and Structures		6g			4,0	120	51	17		34	69																				3		2 6	39								53
3.11	BIM-technologies		7g			4,0	120	51	17		34	69										Ш														3 1		2 69	9				53
3.12	Fundamentals of Electrical Engineering		7g			4,0	120	51	17		34	69											Ì													3 1		2 69	9				31
3.13	Metals and Welding in Construction		7g			4,0	120	51	17		34	69										П														3 1	П	2 69	9				53
3.14	Reinforced Concrete and Stone Structures		8g			4,0	120	56	28		28	64																											4	4 2	;	2 64	53
3.15	Organization of Construction (Special Course)		8g			4,0	120	56	28	28		64																												4 2	2	64	53
	Total Hours						7200	3048	1248	736	1064	4152	25	9 1	1 5	475	22	9 8	5 52	26 2	5 9	10	6 475	21	9	12	543	24	11 9	4 4	92	21 1	0	11 5	43 2	24 9	2	13 49	12 2	1 9	4 1	8 606	3
	Total ECTS Credits				1	240,0							30,0				30,0			30	0,0			30,0				30,0			3	0,0			3	0,0			30,	0,0			
nber	Examinations	23											3				3	1		1	3	m		3				3				3				3			2	2			
N	Graded Tests		35										5				5			1	4			4				4				4				5			4	1			
	Term Papers			3																	1							1								1							
	Course Projects			1.6	3																			1								1							1	1			

Optional Disciplines (by additional contract):

1	Military Training	6,8	5g,7g		29,0	870	520		520	350													8	8	74	8	8	89	8	8	74	8		8	113	101
2	Foreign Language for Professional Purpose		3g,4g, 5g,6g, 7g,8g		18,0	540	198		198	342							2	2	56	2	2	56	2	2	56	2	2	56	2	2	56	2		2	62	87
3	Primary Medical Care		2g		3,0	90	34		34	56				2	2	56																Т	П			811
4	Modern Ukrainian Language		1g		3,0	90	34	17	17	56	2	1 1	5	6																						81

Chairman of the Student Council of the Faculty of Architecture, Civil Engineering and Design

K. Anikanova

Dean of the Faculty of Architecture, Civil Engineering and Design

Guarantor of the Educational and Professional Program

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AGREED by the Research and Methodological Council

Minutes No 2 of 18.04 2022

Head of the Graduate Department of Computer Technologies of Airport Construction and Reconstruction

la Laponko