

AGREED

### **Head of Academics Department**

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE  
National Aviation University**

APPROVED

Oleksii HOLUBNYCHYI  
2024

2024

## **EXTENDED CURRICULUM EDUCATION SEEKERS TRAINING**

Nº ECB - 5 - 192 - 1 / 24

**Educational and Professional Program:** Industrial and civil engineering  
**Academic Degree:** Bachelor  
**Field of study:** 19 Architecture and construction  
**Specialty:** 192 Building and civil engineering  
**Educational qualification:** Bachelor in Building and Civil Engineering  
**Mode of study:** Full-time  
**Training period:** 3 years 10 months

### **On the basis of complete secondary education**



"21" DECEMBER 2024

2024

## I. Schedule of Academic Process

**II. Total amount of hours  
(in weeks)**

**LEGEND**

Theoretical Courses

= Holidays

## Examinations

Educational Training

On-the-Job Training

Attestation of Higher Education Seekers

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#### **Qualification Paper**

#### Attestation Examination

## Assessment Examination

### **III. Academic Curriculum**

SELECTIVE COMPONENTS																																																
3. Subjects Selected by Students (1800 / 80,0)																																																
3.1	Introduction to Computer-Aided Design	3g			4,0	120	51	17		34	69						3	1	2	69										53																		
3.2	BIM-management	3g			4,0	120	51	17		34	69						3	1	2	69										53																		
3.3	EcoDesign	3g			4,0	120	51	17	34		69						3	1	2	69										51																		
3.4	Solid Mechanics	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										53																		
3.6	State Geocadastre	5g			4,0	120	51	34	17		69																		59																			
3.7	Numerical Methods for Structural Design	5g			4,0	120	51	17	34		69							3	1	2	69									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																		53																			
3.10	Constructions of Buildings and Structures	6g			4,0	120	51	17		34	69																		53																			
3.11	BIM-technologies	7g			4,0	120	51	17		34	69																		53																			
3.12	Municipal GIS	7g			4,0	120	51	34	17		69																		59																			
3.13	Metals and Welding in Construction	7g			4,0	120	51	17		34	69																		53																			
3.14	Reinforced Concrete and Stone Structures	8g			4,0	120	56	28		28	64																		53																			
3.15	Organization of Construction (Special Course)	8g			4,0	120	56	28	28		64																		53																			
Number	Total Hours				7200	3048	1282	738	1030	4152	25	9	11	5	475	22	9	8	5	526	25	9	10	6	475	21	9	12	543	24	12	8	4	492	21	10	11	543	24	10	3	11	492	21	9	4	8	806
	Total ECTS Credits				240,0						30,0					30,0		30,0			30,0		30,0						30,0		30,0			30,0			30,0			30,0								
	Examinations	23									3					3					3					3			3			3			2													
	Graded Tests	35									5					5					4					4			4			5			4													
	Term Papers			3																	1					1						1																
	Course Projects				3																1					1						1																

4. Optional Disciplines (by additional contract):

4.1	Military Training	6,8	6g,7g		29,0	870	520	520		350																						113	101			
4.2	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	82	84
4.3	Primary Medical Care	2g			3,0	90	34	34		66					2	2	56																		811	
4.4	Modern Ukrainian Language	1g			3,0	90	34	17	17		66	2	1	1	56																					

Note: The training of students of higher education under this educational program in the 1st year is carried out in accordance with the curriculum CB-5-192-1/23 p as amended by the order of the acting rector dated 08.04.2024 № 139, in the 2nd year - in accordance with the curriculum CB- 5-192-1/23, and in the 3rd and 4th courses - in accordance with the curriculum CB-5-192-1/21.

Head of the Student Council of the Faculty of Ground Structures and Airfields

Zoya ZAPOROZHETS

Acting Dean of the Faculty of Ground Structures and Airfields

Oktiabryna CHEMAKINA

Guarantor of the Educational and Professional Program

Natalia KOSTYRA

Head of the Graduate Department of Computer Technologies for Construction and Reconstruction of Airports

Anton MAKHINKO

AGREED

by the Research and Methodological Council

Minutes № 4 of 21.05.2024