2021

APPROVED

A. Polukhin

Vice-Rector for Academics

ВІАЦІЙНИЦ

Head of Academics Department

O. Holubnychyi

National Aviation University

EXTENDED CURRICULUM

EDUCATION SEEKERS TRAINING Nº ECM - 5 - 192 - 1 / 21

Educational and Professional

Program:

Specialty

Industrial and civil engineering

Academic Degree :

Master

Field of study: 19 Architecture and construction Building and civil engineering

Educational qualification:

Master in Building and Civil Engineering

Mode of study:

Training period:

192

1 year 4 months

On the basis of educational level - Bachelor

II. Total amount of hours

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35 4 0 7 0 14 10 70 X On-the-Job Training = Holidays Legend Theoretical Courses :: Examinations Qualification Examination Д Qualification Paper III. Academic Curriculum Hours per years of study and semesters Year of study №1 1 semester 17 weeks 2 semester 18 weeks 3 semester Classroom sessions Classroom sessions Classroom sessions (hours a week) (hours a week) (hours a week) Subjects and Academic Activities erm Papers Tesl MANDATORY COMPONENTS 1. Humanities and Socio-Economic Subjects (210 / 7,0) Philosophical Problems of Scientific Cognition 3,5 105 34 34 71 97 Business Foreign Language 3,5 105 36 36 69 2 69 87 Total ECTS Credits for cycle 1 7,0 2. Professional and Practical Training (1770 / 59,0) 2.1. Professionally Oriented Subjects (825 / 27,5) Methodology of Applied Research in the Field 2.1.1 1g 3,5 105 34 17 17 71 2 53 of Building and Civil Engineering Methods of Modelling and Analisys of the 3,5 2.1.2 17 2 1 105 34 17 71 71 53 Systems and Processes in Civil Engineering 2.1.3 Applied Theory of Risks 1 3,5 105 34 17 17 71 2 1 1 71 53 Computer Technologies for Structural Design 2.1.4 1g 4,0 120 34 17 86 86 53 of Airport Buildings and Structures 2.1.5 Foundation Engineering (Special Course) 2 6,0 180 54 36 18 126 2 126 53 Computer Technologies for Numerical 2.1.6 2 2 7,0 210 72 36 36 138 4 2 2 138 53 Modelling of Building Constructions 2.2. Practical Subjects (315 / 10,5) 2.2.1 On-the-job Trainings On-the-job Training in the Field of Building and 2.2.1.1 2g 4,5 135 135 135 135 53 Civil Engineering 2.2.1.2 Pre-diploma Practice 6,0 180 180 180 180 53 2.3 Attestation of Higher Education Seekers (630 / 21,0) 2.3.1 Qualification Paper 21,0 630 630 630 630 53 Total ECTS Credits for cycle 2: 59,0 **SELECTIVE COMPONENTS** 3. Subjects Selected by Students (720 / 24,0) Architectural Engineering 3.1 1g 4,0 120 34 17 17 86 86 53 Composite Structures Design 86 86 3.2 1g 4.0 120 34 17 17 1 53 Technical Operation of Industrial and Civil 3.3 1g 4.0 120 34 17 17 86 2 86 53 3.4 Wooden Structures Design 2g 4.0 120 36 18 18 84 1 1 84 53 3.5 Environmental Architecture 4.0 84 2g 120 36 18 18 84 2 1 1 511 3.6 Reconstruction of Civil and Industrial Buildings 4,0 120 36 18 18 84 2 84 2g 1 1 53 Total ECTS Credits for cycle 3: 24,0 Total 90,0 | 2700 | 542 | 245 | 244 | 53 | 2158 | 16 | 7 | 8 | 1 | 628 | 15 810 Examinations Number 11 1 Term Papers 1 1 Course Projects

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

K. Anikanova

AGREED by the Research and Methodological Council Minutes № 6 of <

Dean of the Faculty of Architecture, Civil Engineering and Design

Guarantor of the Educational and Professional Program

Head of the Graduate Department