Curriculum programme of master degree

Specialty: 060634 –Civil Engineering

Specialization: industrial and civil construction

Academic degree: Master

The period of study: 2 years

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|  | **Indexes of disciplines** | **Name disciplines** | **Hours** | **Credits** |
| **Semester 1** | **MHF-B01** | **Foreign language** | 45 | 6 |
| **MIF-B01** | Modern problems of civil engineering | 30 | 4 |
| **MIF-B02** | Methodology and history of civil engineering | 15 | 2 |
| **MIF-B03** | Stability of buildings and facilities | 30 | 4 |
| **MIF-B05 D** | Inspection and earthquake tests of buildings and facilities | 75 | 10 |
| **Semester 2**  **Special disciplines**  **(specialization)** | **MIF-B05 B** | Management, organization and technology of construction technology | 45 | 6 |
| **MIF-B04 A** | **Block 1:**  1) Engineering reinforced concrete constructions;  2) Spatial reinforced concrete constructions. | 75 | 10 |
|  | **Block 2:**  1) Specialized metal constructions;  2) Multistory buildings metal construction calculations. | 60 | 8 |
|  | **Block 3:**  1) Computer programs for construction facilities calculations;  2) Construction facilities modern numerical calculation methods. | 45 | 6 |
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| **Semester 3**  **Selective/ chosen courses** | **MHF-B02** | **Higher school pedagogy** | 30 | 4 |
| **MHF-B03** | **Psychology** | 15 | 2 |
| **MHF-B04** | 1) Ethics;  2) Aesthetics;  3) Labor law. |  |  |
| **MHF-B05 A** | Reconstruction and technical exploitation of buildings and engineering systems | 75 | 10 |
| **MHF-B05 C** | Theory and design of construction technology | 75 | 10 |
| **Semester 4** |  |  |  |  |