Master Program: Architecture

Field of Studies: Architecture

Years of Studies: 2

Language of Training: Russian

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| **№** | **Subject** | **Semester** | **Hours** | **Credits** |
| 1 | Design and research in architecture (level 1) | 1-3 | 432 | 12 |
| 2 | Philosophy and methodology of scientific and project activities | 1 | 108 | 3 |
| 3 | Architectural semiotics | 1 | 144 | 4 |
| 4 | Modern concepts of form making in architecture | 2 | 108 | 3 |
| 5 | Modern materials, structures and architectural and construction technologies | 3 | 144 | 4 |
| 6 | Current problems of regional architecture | 2 | 144 | 4 |
| 7 | Sociology of architectural and urban planning solutions | 1 | 108 | 3 |
| 8 | Legal and regulatory aspects of architectural and urban development | 3 | 72 | 2 |
| 9 | Modern problems of history and theory of architecture | 3 | 108 | 3 |
| 10 | Environmental approach in architectural design | 2 | 108 | 3 |
| 11 | The language of business | 1 | 108 | 3 |
| 12 | Foreign language for academic purposes | 2 | 72 | 2 |
| 13 | Basics of business activity | 3 | 72 | 2 |
| 14 | Basics of GIS and modern methods of architectural analysis. | 1 | 144 | 4 |
| 15 | Environmental factors in architecture | 3 | 72 | 2 |
| 16 | Economic analysis of project solutions | 3 | 108 | 3 |
| 17 | Management of the architectural project | 3 | 108 | 3 |
| 18 | Project presentation | 2 | 108 | 3 |
| 19 | Modern concepts of residential development | 2 | 108 | 3 |
| 20 | Public spaces of cities | /2 | /108 | /3 |
|  | Parametric shaping in architecture | 2 | 108 | 3 |
| 21 | Digital parametric shaping tools | /2 | /108 | /3 |
| 22 | BIM technologies | 1 | 108 | 3 |
| 23 | Computer software for architectural design | /1 | /108 | /3 |
| 24 | Energy-efficient and resource-saving technologies in architectural design | 2 | 108 | 3 |
| 25  | Environmental aspects of architectural design | /2 | /108 | /3 |
| 26 | Research work | 1-4 | 540 | 15 |
| 27 | Educational design and technology practice | 2 | 216 | 6 |
| 28 | Production design and technology practice | 4 | 324 | 9 |
| 29 | State final attestation | 4 | 540 | 15 |
|  | **Total** |  | **4320** | **120** |