| | Higher School of Information Technologies and Intelligent Systems | |
|---|---|---|
| | **Software Engineering** | |
| **1 semester** | | |
| № | **Name of the discipline** | **Quantity of auditorium hours/Total** |
| 1. | Professional (Work-related) Foreign Language (English) | 72 |
| 2. | Software Engineering Methodology | 36 |
| 3. | Introduction to Software Engineering | 36 |
| 4. | System Theory and System Analysis | 36 |
| 5. | Software Design Strategies and Method | 36 |
| 6. | Software Life Cycle | 36 |
| 7. | Project Work | 36 |
| | | |
| **2 semester** | | |
| 1. | Professional (Work-related) Foreign Language (English) | 72 |
| 2. | Software Engineering Methodology | 36 |
| 3. | Software Engineering Tools and Methods | 36 |
| 4. | Research Methodology | 36 |
| 5. | Application Engineering and Domain Engineering | 36 |
| 6. | IT Legal Fundamentals | 36 |
| 7. | Project Work | 36 |
| 8. | **Electives** | |
| | System Architecture | 36 |
| | Project Management Fundamentals | 36 |
| 9. | **Project** | |
| | Technological (Project and Technology) Practical Training | 108 |
| | | |
| **3 semester** | | |
| 1. | Simulation | 36 |
| 2. | Software Development Process Building | 36 |
| 3. | **Electives** | |
| | Applied Technologies in Software Development, Design and Operating | 36 |
| | Scripting | 36 |
| 4. | **Electives** | |
| | Software Development Methods | 36 |
| | System Verification & Testing Techniques | 36 |
| 5. | **Electives** | |
| | Data Mining | 36 |
| | Contracts and Supplies in Software Development | 36 |
| 6. | **Electives** | |

|  | Advanced Applied Research in IT | 36 |
|  | Risk Management in IT | 36 |
| 7. | **Electives** | |
|  | Configurations in Software Development | 36 |
|  | Requirements Determination Methods in Software Engineering | 36 |
| 8. | **Project** | |
|  | Technological (Project and Technology) Practical Training | 108 |
|  | | |
| **4 semester** | | |
| 1. | **Project** | |
| 1.1. | Pre-graduation Practical Training | 648 |
| 1.2. | Project Practical Training | 216 |
|  | | |