



National Research University Higher School of Economics (HSE)

Basic Curriculum

Field of study 38.04.05 Business Informatics
 Educational Programme "Business Informatics"
 Trajectories: "Agile Organization Architecture"

Implementing unit: Faculty of Informatics, Mathematics and Computer Sciences, HSE - Nizhny Novgorod

Years of Study: 2024/2025 - 2025/2026

Length of Programme: 2 years

Mode of Study: Full Time

Degree: Master's degree / MBA

APPROVED
 15.04.2024
 Vice Rector
 ROSHCHIN S.Y.
 Signed with EDS

| Block Code | Course | Subject type | Credits | Credits by Years | | Planned Educational Programme Development Results |
|------------|---|--------------|---------|------------------|-------|---|
| | | | | 1 | 2 | |
| | Degree Programme | | 120,00 | 60,00 | 60,00 | |
| | Agile Organization Architecture (Research track) | | 120,00 | 60,00 | 60,00 | |
| | Key Seminars | | 15,00 | 4,00 | 11,00 | |
| 1 | Mentor's Seminar | C | 15,00 | 4,00 | 11,00 | GPC-5.BUI, PC-2, PC-3, UC-1 |
| | Internship | | 27,00 | 5,00 | 22,00 | |
| | Research Internship | | 27,00 | 5,00 | 22,00 | |
| 1 | Work Experience Internship | C | 4,00 | | 4,00 | GPC-4.BUI, GPC-5.BUI, UC-4, UC-6 |
| 2 | Term Paper | C | 5,00 | 5,00 | | GPC-1.BUI, GPC-2.BUI, GPC-5.BUI, PC-1, PC-2, PC-3, PC-4, PC-6, UC-1 |
| 3 | Preparation of the Final Qualification Work | C | 18,00 | | 18,00 | GPC-5.BUI, PC-1, PC-3, PC-4, UC-4 |
| | Major | | 66,00 | 42,00 | 24,00 | |
| | Elective Professional Block (Major) | | 48,00 | 24,00 | 24,00 | |
| 1 | Business and Organizational Agility (offered in a foreign language) | C | 3,00 | | 3,00 | GPC-1.BUI, GPC-2.BUI, GPC-3.BUI, PC-1, PC-2, PC-3, PC-4, PC-6, UC-1, UC-3, UC-5 |
| 2 | Theory and Practice of Domain-Specific Languages | C | 3,00 | | 3,00 | GPC-1.BUI, GPC-3.BUI, PC-5, PC-6, UC-1 |
| 3 | Management and Modeling in Decision Support Information Systems | C | 3,00 | | 3,00 | GPC-1.BUI, UC-1 |
| 4 | Formal Methods of Model Validation and Verification | C | 3,00 | | 3,00 | GPC-1.BUI, PC-6, UC-1 |
| 5 | Digital Transformation of Industrial Enterprises | C | 3,00 | | 3,00 | GPC-3.BUI, UC-1 |
| 6 | Conceptual Modelling | C | 3,00 | 3,00 | | GPC-5.BUI, PC-1, PC-4, UC-4 |
| 7 | Enterprise Architecture | C | 3,00 | 3,00 | | GPC-1.BUI, PC-1, PC-4, UC-1, UC-3 |

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|---------------------------------|---|---|-------|-------|------|---|
| 8 | Information Technologies in Decision Support Information Systems | C | 3,00 | 3,00 | | GPC-5.BUI, PC-4, UC-3, UC-4 |
| 9 | Building the Enterprise's IT Infrastructure | C | 3,00 | 3,00 | | PC-4 |
| 10 | Enterprise Architecture (Advanced Level) | C | 3,00 | 3,00 | | GPC-1.BUI, PC-6, UC-1, UC-2, UC-3 |
| 11 | Conceptual Modeling: Information Technologies | C | 3,00 | 3,00 | | GPC-5.BUI, PC-6, UC-3, UC-4 |
| 12 | System Analysis and Design: Archetypes of Systems | C | 3,00 | 3,00 | | GPC-2.BUI, PC-6, UC-1 |
| 13 | Practice of Systems Engineering | C | 3,00 | 3,00 | | GPC-2.BUI, GPC-4.BUI, PC-4, UC-2, UC-4 |
| 14 | Enterprise Architecture Perfecting (offered in a foreign language) | C | 3,00 | | 3,00 | GPC-1.BUI, UC-1 |
| 15 | Payment systems. Introduction to Cryptocurrencies and Distributed Registry Technologies | C | 6,00 | | 6,00 | GPC-2.BUI, PC-4, UC-1 |
| Core Professional Block (Major) | | | 18,00 | 18,00 | | |
| 1 | Strategic Management (offered in a foreign language) | C | 3,00 | 3,00 | | GPC-1.BUI, GPC-3.BUI, PC-4, UC-2, UC-3 |
| 2 | Economic and Mathematic Modeling | C | 3,00 | 3,00 | | GPC-5.BUI, PC-4, UC-1 |
| 3 | System Analysis and Organization Design | C | 3,00 | 3,00 | | GPC-2.BUI, PC-4, UC-1 |
| 4 | Introduction to Business Informatics | C | 3,00 | 3,00 | | GPC-1.BUI, PC-4, UC-1 |
| 5 | Modern Information Technologies for Building IT Infrastructure | C | 3,00 | 3,00 | | GPC-2.BUI, GPC-3.BUI, GPC-5.BUI, PC-4, UC-6 |
| 6 | Business Rhetoric and Communication (offered in a foreign language) | C | 3,00 | 3,00 | | GPC-4.BUI, PC-4, PC-5, UC-4, UC-5 |
| Magolego | | | 9,00 | 9,00 | | |
| 1 | All-university Pool MAGOLEGO Courses | E | 9,00 | 9,00 | | PC-1, PC-2, UC-6 |
| Final State Certification (FSC) | | | 3,00 | | 3,00 | |
| 1 | Final Qualification Paper | C | 3,00 | | 3,00 | GPC-5.BUI, PC-1, PC-3, PC-4, UC-4 |

Curriculum agreed:

| | | |
|---|----------------|------------|
| Academic Supervisor | BAEVSKIY O.A. | 05.04.2024 |
| Dean | ASEEVA N.V. | 08.04.2024 |
| Deputy Director | FOMENKOV D.A. | 09.04.2024 |
| Head of Centre for Educational Model Design | LEPESHKIN I.A. | 11.04.2024 |

* Subject type:

Compulsory course

C

Elective course

E