**English language of instruction**

**Вachelor**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code of Speciality** | **Title of program subject area** | Name of the discipline | **Compulsory/optional** | **ECTS** | **Semester (Autumn/Spring)** |
| **163** | **Biomedical Engineering** | Higher Mathematics | **c** | **12.0** |  |
| **4.0** | **a** |
| **8.0** | **s** |
| Informatics | **c** | **4.0** | **a** |
| Philosophy | **c** | **4.0** | **s** |
| Biochemistry | **c** | **5.0** | **s** |
| Computer Graphics | **c** | **4.0** | **a** |
| History and Culture of Ukraine | **c** | **4.0** | **s** |
| Language of Instruction (English) | **c** | **4.0** | **a** |
| Technoecology and Civil Safety | **c** | **4.0** | **s** |
| Physics | **c** | **9.0** |  |
| **4.0** | **a** |
| **5.0** | **s** |
| Business Management | **o** | **3.0** | **s** |
| Sociology | **o** | **3.0** | **s** |
| Analogue Circuitry | **c** | **6.0** | **a** |
| Human Anatomy, Physiology and Pathology | **c** | **9.0** |  |
| **5.0** | **s** |
| **4.0** | **a** |
| Life Safety and Fundamentals of Labor Protection | **c** | **4.0** | **a** |
| Biomedical Engineering | **c** | **6.0** | **s** |
| Diagnostic and Therapeutic Systems | **c** | **6.0** | **s** |
| Electronic Divices | **c** | **4.0** | **s** |
| Laboratory Analytical Instruments | **c** | **5.0** | **a** |
| Ukrainian as a Foreign Language | **o** | **3.0** | **a** |
| Materials Science and Biocompatibility of Materials | **c** | **5.0** | **a** |
| Medical Complexes and Systems | **c** | **5.0** | **a** |
| Metrology | **c** | **5.0** | **a** |
| Microprocessor Equipment | **c** | **5.0** | **s** |
| Biophysics | **c** | **4.0** | **a** |
| Fundamentals of Biomedical Apparatus Design | **c** | **4.0** | **s** |
| Fundamentals of Signal Theory | **c** | **5.0** | **a** |
| Biomedical Engineering Principles | **c** | **4.0** | **a** |
| Fundamentals of Technology and Manufacturing of Biomedical Apparatus | **c** | **5.0** | **a** |
| Biomedical Processes and Signal Modelling | **c** | **4.0** | **s** |
| Computer Architecture | **o** | **3.0** | **s** |
| Digital Circuitry | **c** | **4.0** | **a** |
| Fundamentals of Biomechanics | **o** | **5.0** | **a** |
| Fundamentals of Construction Medical Technique | **o** | **5.0** | **s** |
| Fundamentals of Law | **o** | **3.5** | **s** |
| Fundamentals of Interaction of Physical Fields with Bio-objects | **o** | **4.0** | **s** |
| Biophysical Quantity Transducers and Electrodes | **o** | **4.0** | **s** |
| Mathematical and Computer Modelling of Medical Equipment | **c** | **6.0** | **a** |
| Medical and Biological Research | **o** | **4.0** | **a** |
| Biomedical Image Processing | **o** | **5.0** | **s** |
| Biomedical Signal Processing | **o** | **7.0** | **a** |
| Fundamentals of Medical Knowledge | **o** | **5.0** | **s** |
| Biomedical Data Transmission in Computer Networks | **o** | **6.0** | **a** |
| System Analysis and Decision Making in Medicine | **o** | **5.0** | **s** |
| Telemedical Systems | **o** | **5.0** | **a** |
| **131** | **Mechanical Engineering** | Life Safety and Fundamentals of Labor Protection | **c** | **4.0** | **a** |
| Higher Mathematics | **c** | **12** |  |
| **4.0** | **a** |
| **8.0** | **s** |
| Informatics | **c** | **4.0** | **a** |
| History and Culture of Ukraine | **c** | **4.0** | **s** |
| Language of Instruction (English) | **c** | **4.0** | **a** |
| Theory of Mechanics | **o** | **3.0** | **s** |
| Physics | **c** | **9.0** |  |
| **4.0** | **a** |
| **5.0** | **s** |
| Philosophy | **c** | **4.0** | **s** |
| Computer Graphics | **c** | **4.0** | **a** |
| Strength of Materials | **c** | **9.0** |  |
| **4.0** | **s** |
| **5.0** | **a** |
| Technoecology and Civil Safety | **c** | **4.0** | **s** |
| Business Management | **o** | **3.5** | **s** |
| Interchangeability, Standardization and Technical Measurements | **c** | **4.0** | **s** |
| Fundamentals of Law | **o** | **3.5** | **s** |
| Sociology | **o** | **3.5** | **s** |
| Ukrainian as a Foreign Language | **o** | **3.0** | **a** |
| Machine Parts and Foundations of Automated Designing | **c** | **8.0** |  |
| **4.0** | **s** |
| **4.0** | **a** |
| Electrical Engineering, Electronics and Microprocessor Equipment | **c** | **6.0** | **s** |
| Liquids and Gases Mechanics, Hydraulic and Pneumatic Actuator | **c** | **5.0** | **s** |
| Foundations of Heat Engineering | **c** | **5.0** | **a** |
| Theory of Mechanisms and Machines | **c** | **6.0** | **s** |
| Techniques of Mechanical Engineering | **c** | **5.0** | **s** |
| Technology of Structural Materials and Material Science | **c** | **7.0** |  |
| **3.0** | **a** |
| **4.0** | **s** |
| Fundamentals of Welding Technology | **c** | **4.0** | **a** |
| Bibliography and its Use in Modern Search Engines | **o** | **4.0** | **a** |
| Information Technologies | **o** | **3.0** | **s** |
| CAM and САЕ Systems of Machine Building Production | **o** | **9.0** |  |
| **5.0** | **s** |
| **4.0** | **a** |
| Automated and Robotic Systems | **o** | **6.0** | **s** |
| Introduction to Specialism | **o** | **4.0** | **a** |
| Diagnostics and Quality Control in Machine Building Production | **o** | **5.0** | **a** |
| Machine Maintenance and Service | **o** | **5.0** | **s** |
| Engineering Solutions Efficiency | **o** | **5.0** | **a** |
| Modeling of Systems and Processes in Applied Mechanics | **o** | **6.0** | **a** |
| Special Technologies in Mechanical Engineering | **o** | **3.0** | **s** |
| Сutting Theory and Tools | **o** | **10.0** | **a** |
| Techniques and Equipment of Parts Machining and Pressure Welding | **o** | **10.0** |  |
| **6.0** | **s** |
| **4.0** | **a** |
| Technologies and Equipment of Machine Building Production | **o** | **17.0** |  |
| **4.0** | **a** |
| **8.0** | **s** |
| **5.0** | **a** |
| Industrial Equipment | **o** | **4.0** | **a** |
| Technological Methods of Workpiece Manufacturing for Machine Parts | **o** | **5.0** | **a** |
| **192** | **Civil Engineering** | Life Safety and Fundamentals of Labor Protection | **c** | **4.0** | **a** |
| Higher Mathematics | **c** | **11.5** |  |
| **4.0** | **a** |
| **7.5** | **s** |
| Informatics | **c** | **4.0** | **a** |
| History and Culture of Ukraine | **c** | **4.0** | **s** |
| Language of Instruction (English) | **c** | **4.0** | **a** |
| Theory of Mechanics | **c** | **4.0** | **s** |
| Physics | **c** | **8.5** |  |
| **4.0** | **a** |
| **4.5** | **s** |
| Philosophy | **c** | **4.0** | **s** |
| Chemistry | **c** | **4.0** | **s** |
| Architecture of Buildings and Structures | **c** | **9.5** |  |
| **6.0** | **s** |
| **3.5** | **a** |
| Structural Mechanics | **c** | **8.0** |  |
| **4.5** | **s** |
| **3.5** | **a** |
| Building Material Sciencec | **c** | **10.0** |  |
| **5.0** | **a** |
| **5.0** | **s** |
| Reinforced Concrete and Masonry Structures | **c** | **8.0** |  |
| **4.5** | **s** |
| **3.5** | **a** |
| Computer Graphics | **c** | **4.0** | **a** |
| Metal Structures | **c** | **5.0** | **s** |
| Soil Mechanics and Foundations | **c** | **5.0** | **s** |
| Strength of Materials | **c** | **4.0** | **s** |
| Strength of Materials (specialty course) and Fundamentals of Elasticity and Plasticity Theory | **c** | **4.0** | **a** |
| Construction Arrangement and Management | **c** | **4.0** | **a** |
| Fundamentals of Design Automation in Civil Engineering | **c** | **4.0** | **a** |
| Residential Areas Planning and Landscaping | **c** | **4.0** | **a** |
| Software for Engineering Design | **c** | **4.0** | **a** |
| Fluid Mechanics | **c** | **6.0** | **a** |
| Technoecology and Civil Safety | **c** | **4.0** | **s** |
| Construction Engineering | **c** | **9.0** |  |
| **5.5** | **s** |
| **3.5** | **a** |
| Business Management | **o** | **3.0** | **s** |
| Interchangeability, Standardization and Technical Measurements | **o** | **3.5** | **s** |
| Fundamentals of Law | **o** | **3.5** | **s** |
| Sociology | **o** | **4.0** | **s** |
| Ukrainian as a Foreign Language | **o** | **3.0** | **a** |
| **141** | **Electrical Engineering** | Higher Mathematics | **c** | **12.0** |  |
| **4.0** | **a** |
| **8.0** | **s** |
| Bibliography and Internet Search Techniques | **c** | 4.0 | s |
| Engineering Graphics and CAD Systems | **c** | 4.0 | **a** |
| History and Culture of Ukraine | **c** | 4.0 | **s** |
| Technoecology and Civil Safety | **c** | 4.0 | **s** |
| Physics | **c** | 8.0 |  |
| 4.0 | **a** |
| 4.0 | **s** |
| Business Management | **o** | 3.5 | **s** |
| Language of Instruction (English) | **o** | 4.5 | **s** |
| Philosophy | **c** | 4.0 | **a** |
| Life Safety and Fundamentals of Labor Protection | **c** | 4.0 | **a** |
| Engineering-Business Foreign Language | **o** | 4.0 | **a** |
| Fundamentals of Law | **o** | 3.0 | **s** |
| Study of Measurements and Energy Consumption | **c** | 6.0 |  |
| 3.0 | **s** |
| 3.0 | **a** |
| Renewable Energy Sources | **c** | 6.0 |  |
| Electrical Annex (Electrical Stations and Substations) | **c** | 5.0 | **s** |
| Electrical Apparatus | **c** | 4.0 | **s** |
| Electrical Machines | **c** | 6.0 | **a** |
| Electric Power Supply | **c** | 5.0 | **a** |
| Applied Software in Power Industry | **o** | 5.0 | **a** |
| Energy Conservation | **c** | 4.0 | **a** |
| Information Technologies and Fundamentals of Programming | **c** | 4.0 | **a** |
| Ukrainian as a Foreign Language | **o** | 3.0 | **a** |
| Fundamentals of Electric Drive | **c** | 5.0 | **s** |
| Fundamentals of Metrology and Electrical Measurements | **c** | 4.0 | **s** |
| Fundamentals of Relay Protection and Automation of Energy Systems | **c** | 5.0 | **a** |
| Industrial Electronics | **c** | 4.0 | **s** |
| Electrotechnical and Structural Materials | **o** | 7.5 |  |
| 4.5 | **s** |
| 3.0 | **a** |
| Fundamentals of Electrical Engineering | **c** | 19.5 |  |
| 7.5 | **s** |
| 7.0 | **a** |
| 5.0 | **s** |
| Automatic Control Theory | **c** | 6.0 | **s** |
| High-voltage Engineering Equipment | **c** | 4.5 | **a** |
| Electrotechnical Production Technologies | **c** | 4.0 | **s** |
| Lighting Devices | **o** | 4.0 | **a** |
| Lighting Systems and Installations | **o** | 5.0 | **s** |
| Technical Mechanics | **o** | 3.5 | **a** |
| Sources of Light | **o** | 3.0 | **s** |
| Electrical Systems and Networks | **o** | 4.0 | **s** |
| Power Plants | **o** | 4.0 | **a** |
| Computer Design Technologies in Power Engineering | **o** | 4.0 | **a** |
| Mathematical Problems in Electrical Power Engineering | **o** | 3.0 | **s** |
| Microprocessor Equipment | **o** | 4.0 | **a** |
| Reliability and Diagnostics of Electrical Equipment | **c** | 4.0 | **a** |
| Electric Power Consumers | **o** | 3.0 | **s** |
| Engineering Thermodynamics | **o** | 4.0 | **s** |
| Management of Electric Power Systems | **o** | 4.0 | **a** |
| Physical Basis of Sources of Light | **o** | 4.0 | **s** |
| **122** | **Computer Science** | Theory of Algorithms | **с** | **5.0** | **s** |
| Life Safety and Fundamentals of Labor Protection | **c** | **4.0** | **a** |
| Discrete Mathematics | **o** | **3.5** | **s** |
| Language of Instruction (English) | **c** | **4.0** | **a** |
| History and Culture of Ukraine | **o** | **3.0** | **s** |
| Higher Mathematics I | **c** | **4.0** | **a** |
| Higher Mathematics II | **c** | **8.0** | **s** |
| Mathematical Methods of Operations Research | **c** | **4.0** | **a** |
| Probability Theory and Mathematical Statistics | **c** | **4.5** | **a** |
| Technoecology and Civil Safety | **c** | **4.0** | **s** |
| Ukrainian as a Foreign Language | **o** | **3.0** | **a** |
| Physics I | **c** | **4.0** | **a** |
| Physics II | **c** | **5.0** | **s** |
| Philosophy | **c** | **4.0** | **s** |
| Numerical methods | **c** | **4.0** | **a** |
| Theory of Algorithms | **c** | **5.0** | **s** |
| Databases management | **c** | **5.0** | **s** |
| Web-technologies | **o** | **4.0** | **s** |
| Introduction into Computer Science | **o** | **3.5** | **s** |
| Data Mining | **c** | **5.0** | **a** |
| Computer Networks | **c** | **4.5** | **s** |
| Object-Oriented Programming | **c** | **5.0** | **a** |
| IT Project management | **c** | **4.5** | **s** |
| Cross-platform programming | **c** | **4.5** | **a** |
| Distributed System Technologies and Parallel Computation | **c** | **8.5** | **a/s** |
| Web-programming | **c** | **5.0** | **a** |
| Databases | **c** | **5.5** | **a** |
| Random Process Computer Simulation | **c** | **5.0** | **s** |
| Fundamentals of Programming | **c** | **8.0** | **a/s** |
| Means of Computer Information Systems | **c** | **4.0** | **a** |
| Internet Marketing | **o** | **4.5** | **a** |
| CAD Technologies | **c** | **4.0** | **a** |
| Software Engineering | **c** | **4.5** | **a** |
| Engineering Graphics and CAD Systems | **c** | **4.0** | **a** |
| Computer Circuits | **o** | **4.5** | **s** |
| Computer`s Architecture | **c** | **4.5** | **a** |
| Theory of Computer-Aided Control and Management Systems | **o** | **4.0** | **a** |
| Decision Theory | **o** | **4.5** | **a** |
| Computer Systems | **o** | **5.0** | **a** |
| Artificial Intelligence (Methods and Systems) | **o** | **4.5** | **a** |
| Operation Systems | **o** | **4.0** | **s** |
| Signal and Image Processing | **o** | **5.0** | **s** |
| Fundamentals of Information Theory | **o** | **5.5** | **s** |
| System Simulation | **o** | **3.0** | **s** |
| Fundamentals of the Internet of Things | **o** | **5.0** | **s** |
| Bibliography and its Use in the Modern Search Engines | **o** | **4.0** | **s** |
| Sociology | **o** | **4.0** | **s** |
| History and Culture of Ukraine | **o** | **3.0** | **s** |
| Fundamentals of Law | **o** | **3.5** | **s** |
| Fundamentals of Technical Creativity and Scientific Research | **o** | **4.0** | **s** |
| Business Management | **o** | **3.0** | **s** |
| **073** | **Management** | Life Safety and Fundamentals of Labor Protection | **c** | **4.0** | **a** |
| Bibliography and Internet Search Techniques | **c** | **4.0** | **s** |
| Higher Mathematics | **c** | **12.0** | **a/s** |
| Economic Theory | **c** | **4.0** | **s** |
| Information Technologies and Fundamentals of Programming | **c** | **4.0** | **a** |
| History and Culture of Ukraine | **c** | **4.0** | **s** |
| History of Management | **c** | **4.5** | **s** |
| Macro- and Microeconomics | **c** | **4.0** | **s** |
| Statistics | **c** | **5.0** | **s** |
| Technology and Civil Safety | **c** | **4.0** | **s** |
| Philosophy | **c** | **4.0** | **s** |
| Administrative Management | **c** | **5.0** | **a** |
| Accounting and Reporting in Management of an Enterprise | **c** | **4.0** | **s** |
| Market Research | **c** | **4.0** | **a** |
| Economics (for Enterprise) | **c** | **4.5** | **s** |
| Economic Analysis | **c** | **4.0** | **a** |
| Information System in Management | **c** | **4.0** | **a** |
| Communications Management | **c** | **4.0** | **a** |
| Logistics | **c** | **4.5** | **s** |
| Marketing | **c** | **4.0** | **s** |
| International Management | **c** | **4.0** | **a** |
| Operation Management | **c** | **4.0** | **s** |
| Production Management | **c** | **5.0** | **s** |
| Fundamentals of Management | **c** | **8.0** | **a** |
| Enterprise Activity planning | **c** | **5.0** | **a** |
| Law | **c** | **5.0** | **a** |
| Forecasting of Social and Economic Processes | **c** | **4.0** | **s** |
| Self-Management | **c** | **5.0** | **a** |
| Strategic Management | **c** | **7.0** | **a/s** |
| Human Resources Management | **c** | **4.5** | **s** |
| Finance | **c** | **4.0** | **a** |
| Financial Management | **c** | **5.5** | **a** |
| Practice “Introduction to Specialty” | **c** | **3.0** | **s** |
| Field Internship in Economics | **c** | **3.0** | **s** |
| Profession-Oriented Practical Training | **c** | **6.0** | **s** |
| Business Management | **o** | **3.5** | **s** |
| Engineering-Business Foreign Language | **o** | **3.0** | **s** |
| Language of Instruction (English) | **o** | **4.0** | **a** |
| Fundamentals of Law | **o** | **3.0** | **s** |
| Ukrainian as Foreign Language | **o** | **3.0** | **a** |
| Brand Management | **o** | **4.0** | **a** |
| Public and Regional Governance | **o** | **4.0** | **s** |
| Environmental Management | **o** | **3.0** | **a** |
| Managerial Decision Making Methods | **o** | **4.0** | **a** |
| Managerial Decision Modeling | **o** | **5.0** | **a** |
| Manager`s Work Organization | **o** | **4.0** | **s** |
| Entrepreneurship | **o** | **4.0** | **s** |
| Market Infrastructure | **o** | **5.0** | **a** |
| Customer Relationship Management | **o** | **4.0** | **s** |
| Cost Management | **o** | **3.0** | **a** |
| Enterprise Economic Security Management | **o** | **4.0** | **s** |
| Innovation Management | **o** | **3.5** | **s** |
| Enterprise Resource Management | **o** | **4.0** | **s** |

**Master**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Code of Speciality** | **Title of program subject area** | Name of the discipline | **Compulsory/optional** | **ECTS** | **Semester (Autumn/Spring)** |
| 131 | Mechanical engineering | Professional Ethics and Fundamentals of Pedagogy | **c** | **4.0** | **s** |
| Intellectual Property | **c** | **4.0** | **s** |
| Generative Design and Optimization in Production Technologies | **c** | **4.0** | **a** |
| Engineering of Machine Building Technologies | **c** | **4.0** | **a** |
| Durability, Life and Safety of Machines and Structures | **c** | **8.0** | **s** |
| Reliability of Machines | **c** | **4.0** | **a** |
| Design of Manufacturing Engineering | **c** | **4.0** | **a** |
| Process design and Industrial Engineering | **c** | **4.0** | **s** |
| Fracture Mechanics of Materials and Structures | **c** | **4.0** | **a** |
| Mathematical Modeling of Technical Systems | **o** | **4.0** | **s** |
| Scientific Research management and Methodology | **o** | **4.0** | **s** |
| Production Logistics and Industrial Automation | **o** | **4.0** | **a** |
| Surface Engineering and Products Renovations | **o** | **4.5** | **a** |
| Integrated Automated Production Management Systems | **o** | **4.0** | **a** |
| Computer-integrated Production Management | **o** | **4.0** | **a** |
| 192 | Civil engineering | Mathematical Methods of Engineering | **c** | **4.0** | **a** |
| Professional Ethics and Fundamentals of Pedagogy | **c** | **4.0** | **s** |
| Project Management and Risk Management in Construction | **c** | **4.0** | **a** |
| Innovation Technologies in Civil Engineering | **c** | **4.0** | **a** |
| Wood and Pastic Structures Design | **o** | **3.0** | **a** |
| Design of Metal Structures | **c** | **4.0** | **a** |
| Design of Foundations | **c** | **4.0** | **a** |
| Modern Computer Technologies in Construction | **c** | **4.0** | **s** |
| Reinforced Concrete and Masonry Structures Design | **c** | **4.0** | **s** |
| Scientific research Management and Methodology | **o** | **4.0** | **s** |
| Intellectual Property | **o** | **4.0** | **s** |
| Reconstruction of Buildings and Structures | **o** | **3.0** | **a** |
| Pricing and IT-based Budgeting | **o** | **4.0** | **s** |
| Design of Energy Saving and Energy Efficient Building | **o** | **3.0** | **a** |
| Operation of Buildings and Structures | **c** | **4.5** | **a** |
| Statutory Regulations in Construction | **c** | **4.0** | **a** |
| Modeling Construction Materials | **o** | **3.0** | **a** |
| **141** | Electrical engineering | Professional Ethics and Fundamentals of Pedagogy | **c** | **4.0** | **s** |
| Intellectual Property | **c** | **4.0** | **s** |
| Automated Control Systems and Optimization of Energy System Modes | **c** | **4.0** | **a** |
| Electricity Supply of Industrial and Municipal Facilities | **c** | **4.0** | **s** |
| Energy Management | **c** | **4.0** | **a** |
| Energy Efficiency of Enterprises | **c** | **4.0** | **a** |
| Conventional Lien of Energy Consumption | **c** | **4.0** | **a** |
| Power Electronic | **c** | **4.0** | **a** |
| Electricity Supply Control Systems | **c** | **4.0** | **a** |
| Artificial Intelligence in Electrical Engineering | **c** | **4.0** | **s** |
| Mathematical Methods for Calculation in Electric Power Engineering | **o** | **4.0** | **s** |
| Diagnostics and Reliability of Electrotechnical Systems of Electricity Consumption | **o** | **4.0** | **a** |
| Energy Systems of Human Life Activity Support | **o** | **4.5** | **a** |
| Energy Conservation of Civil and Industrial Structures | **o** | **4.0** | **a** |
| Assembly, Operation and Maintenance of Electricity Consumption Systems | **o** | **4.0** | **s** |
| Sustainability of Constructions Isolation and Energy Efficiency of Electricity Supply Systems | **o** | **4.0** | **a** |
| **123** | Computer engineering | Pedagogics and Ethics for Professional Activities | **c** | **4.0** | **s** |
| Intellectual Property | **c** | **4.0** | **s** |
| Scientific Research Management and Methodology | **c** | **4.0** | **s** |
| Information Systems for Parallel and Distributed Data Processing | **c** | **4.0** | **a** |
| Design of Specialized Data Processing Facilities Using Programmable Logic Device Processors + Course projects | **c** | **4.0** | **a** |
| Investigation and Design of Computer Systems and Networks + Course Projects | **c** | **4.0** | **s** |
| Mathematical Software for Computer Systems and Networks | **o** | **4.0** | **a** |
| Information Network System Comprehensive Security | **o** | **4.0** | **s** |
| Administration and Operation of Computer Network Systems | **o** | **4.0** | **s** |
| Consolidated Information Resources of Database and Knowledge Management | **o** | **4.0** | **a** |
| Data Warehousing | **o** | **4.0** | **a** |
| Business Planning | **o** | **4.0** | **a** |
| **124** | System analysis | Professional Ethics and Fundamentals of Pedagogy | o | 4,0 | s |
| Intellectual Property | c | 4.0 | s |
| Mathematical Software for Computer Systems and Networks | **c** | **4.0** | **a/s** |
| Scientific Research Management and Methodology | **c** | **4.0** | **s** |
| Information Systems for Parallel and Distributed Data Processing | **c** | **4.0** | **a** |
| Consolidated Information Resources of Database and Knowledge Management | **c** | **4.0** | **a** |
| Data Warehousing | **c** | **4.0** | **a** |
| Technologies of Information management | **c** | **4.0** | **s** |
| Decision support technologies + course paper | **c** | **4.0** | **a** |
| Project management of systems with consolidated information + course paper | **o** | **4.0** | **s** |
| Digital transformation | **c** | **4.0** | **a** |
| Business planning | **o** | **4.0** | **a** |
| Methods, systems of data signal and system simulation modeling | **o** | **4.0** | **a** |
| Queuing systems | **o** | **4.0** | **a** |
| IT development management base on enterprise business architecture | **o** | **4.5** | **a** |
| **073** | Management | Professional Ethics and Fundamentals of Pedagogy | c | 4,0 | s |
| Investment Management | c | 4,0 | a |
| Corporate Management | c | 5.5 | s |
| Creative Management | c | 4.0 | a |
| Leadership and Organizational Behavior | c | 4,0 | a |
| Scientific Research Methodology and Academic Integrity | c | 4.0 | a |
| Change Management | c | 4,0 | a |
| Project Management | c | 4,0 | a |
| Quality Management | c | 5.5 | s |
| Specialty Practice | c | 9.0 | s |
| Quality Paper-related Internship | c | 7.5 | s |
| Anti-crisis Management | o | 4.5 | a |
| Business Analytics | o | 5.0 | s |
| Advertising Management | o | 4.0 | a |
| Issues of Management Theory and Practice | o | 4.0 | s |
| Strategic Analysis | o | 4.0 | a |
| Competitiveness Management | o | 4.0 | a |