



University
of Bielsko-Biala

Transport, logistic, information technology

(Faculty of Management and Transport)

| Course Title | Study Level | ECTS | Semester | Faculty | Course requirements | Language |
|--|--------------------|-------------|-----------------|-------------------------------------|--------------------------------|---------------------|
| Transportation system | BSc | 5 | S | Faculty of Management and Transport | Exam, project and attendance | English |
| Operations research | BSc | 5 | W | Faculty of Management and Transport | Exam and attendance | English |
| Mathematics I | BSc | 5 | W | Faculty of Management and Transport | Exam and attendance | English |
| Mathematics II | BSc | 6 | S | Faculty of Management and Transport | Exam and attendance | English |
| Logic | BSc | 2 | W | Faculty of Management and Transport | Exam and attendance | English |
| Data bases | BSc | 2 | S | Faculty of Management and Transport | Exam and attendance | English |
| Information technology | BA/BSc | 2 | W/S | Faculty of Management and Transport | Exam and project | English/ Italian |
| Environmental protection in transportation | BSc | 2 | W | Faculty of Management and Transport | Exam and project | English |
| Introduction to programming in VBA | BSc | 4 | W | Faculty of Management and Transport | Exam | English |
| Means of transport | BSc | 4 | W/S | Faculty of Management and Transport | Presentation and seminar paper | English |

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|-------------------------|----|---|-----|-------------------------------------|--------------------------------------|---------|
| City logistics | MA | 2 | S | Faculty of Management and Transport | Exam | English |
| Foundation of logistics | BA | | W/S | Faculty of Management and Transport | Presentation/conversation/case study | English |



Economic and social sciences
Management

(Faculty of Management and Transport, Faculty of Mechanical Engineering and Computer Science)

| Course Title | Study Level | ECTS | Semester | Faculty | Course requirements | Language |
|------------------------------------|--------------------|-------------|-----------------|-------------------------------------|-----------------------------|-----------------|
| Fundamentals of tourism | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Marketing | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| International marketing | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Tourism marketing | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Service and trade marketing | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Logistic management in the company | BA/MA | 4 | W | Faculty of Management and Transport | Presentation | English |
| Distribution management | BA/MA | 2 | S | Faculty of Management and Transport | Presentation | English |

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|---|--------|---|--------|--|---|---------|
| Small business | BA | 4 | S | Faculty of Management and Transport | Exam and presentation | English |
| Economics | BA/BSc | 4 | W | Faculty of Management and Transport | Exam and presentation | English |
| Fundamentals of corporate finance | BA/MA | 4 | W/S | Faculty of Management and Transport | Attendance /Individual presentation/ paperwork | English |
| Human resources management | BA | 4 | S | Faculty of Management and Transport | Exam | English |
| Quality management | BA | 5 | W | Faculty of Management and Transport | Seminar paper | English |
| Projects managements | BA | 4 | W/S | Faculty of Management and Transport | Seminar paper and attendance | English |
| Introduction to foreign exchange market | BA/MA | | S | Faculty of Management and Transport | Attendance and individual presentation/ paperwork | English |
| Entrepreneurship | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation, attendance | English |
| Ethics in management | MA | 2 | W | Faculty of Management and Transport | Attendance/individual and group work | English |
| Organisational Analysis | BA/MA | | W or S | Faculty of Management and Transport | Presentation/attendance/projects | English |
| The enterprise management in the conditions of European Integration | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation/attendance | English |
| The enterprise management within the area of antitrust supervision | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation/attendance | English |
| Forecasting and simulation in enterprises I | BSc | 2 | W | Faculty of Mechanical Engineering and Computer Science | | English |
| Forecasting and simulation in enterprises II | MA | 5 | S | Faculty of Mechanical Engineering and Computer Science | | English |
| Management of Technology and Innovation | BSc/MA | 5 | S | Faculty of Mechanical Engineering and Computer Science | | English |

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|--|-------|---|--------|-------------------------------------|---------------------------------------|---------|
| Fundamentals of Entrepreneurship | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| HR Business Partnering | BA/MA | 3 | W or S | Faculty of Management and Transport | Attendance, individual and group work | English |
| Coaching and mentoring | BA/MA | 3 | W or S | Faculty of Management and Transport | Attendance, individual and group work | English |
| Agile Project Management | BA/MA | 3 | W or S | Faculty of Management and Transport | Attendance, individual and group work | English |
| Interpersonal communication and effective team work | BA/MA | 3 | W or S | Faculty of Management and Transport | Attendance, individual and group work | English |
| Basics of Marketing Management | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Business Model Innovation | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Global Marketing Research | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Brand management | BA/MA | 2 | W | Faculty of Management and Transport | Presentation and attendance | English |
| Introduction to marketing | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation | English |
| Professional Ethics and Corporate Responsibility | BA/MA | 3 | W | Faculty of Management and Transport | Final project for 15 pages | English |
| Game Theory and Its Applications | BA/MA | 4 | W or S | Faculty of Management and Transport | Presentation, homework, attendance | English |
| Designing of quality management systems in a company | BA/MA | 4 | W/S | Faculty of Management and Transport | Presentation | English |
| Improvement of quality management systems in a company | BA/MA | 4 | W/S | Faculty of Management and Transport | Presentation | English |

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| Introduction to quality management in a company | BA/MA | 4 | W/S | Faculty of Management and Transport | Presentation | English |
| Marketing Planning Essentials | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |
| Open Innovation in Business Management | BA/MA | 3 | W or S | Faculty of Management and Transport | Presentation and attendance | English |



Economic and social sciences
Communication, sociology, international relations

(Faculty of Management and Transport, Faculty of Humanities and Social Sciences)

| Course Title | Study Level | ECTS | Semester | Faculty | Course requirements | Language |
|--|--------------------|-------------|-----------------|---|-----------------------------|-----------------|
| Cross-culture communication | BA/MA | | W/S | Faculty of Humanities and Social Sciences | Written test | English |
| Political communication | BA | 3 | S | Faculty of Management and Transport | Presentation and attendance | English |
| Modern communication in the area of Central and Eastern Europe | BA/MA | 4 | W or S | Faculty of Humanities and Social Sciences | Presentation and attendance | English |
| Sociology of law | BA | 3 | WS | Faculty of Management and Transport | Seminar paper | English |

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|--|-----------|---|--------|---|------------------------------|---------------------|
| Management of socio-economic development of the metropolitan areas | BA | 3 | W | Faculty of Management and Transport | Seminar paper | English |
| Contemporary sociological theories | BA | 3 | W | Faculty of Management and Transport | Seminar paper | English |
| Introduction to sociology | BA/MA/BSc | 5 | W | Faculty of Management and Transport | Attendance and seminar paper | English/ Italian |
| Sociology of globalization | BA/MA/BSc | 3 | S | Faculty of Management and Transport | Presentation and attendance | English |
| Demography | BA | 3 | W | Faculty of Management and Transport | Presentation and attendance | English |
| Political Sociology | BA | 3 | W | Faculty of Management and Transport | Presentation and attendance | English |
| Cultural Anthropology | BA | 5 | W/S | Faculty of Management and Transport | Exam | English |
| Sociology of culture | BA | 4 | W/S | Faculty of Management and Transport | Exam | English |
| Introduction to sociology of art | BA | 4 | W/S | Faculty of Management and Transport | Seminar paper | English |
| Introduction to the cultural studies | BA | 3 | W | Faculty of Humanities and Social Sciences | Exam and attendance | English/ Spanish |
| Integration process in Europe - the advantages and disadvantages of European Union participation | BA/MA | 3 | W or S | Faculty of Humanities and Social Sciences | Presentation and attendance | English |
| European labour market | BA/MA | 3 | W or S | Faculty of Humanities and Social Sciences | Presentation and attendance | English |
| American and European dream - how to understand American culture and policy | BA/MA | 3 | W or S | Faculty of Humanities and Social Sciences | Presentation and attendance | English |
| European business law | BA | 5 | W | Faculty of Management and Transport | Presentation and attendance | English |



University
of Bielsko-Biala

Environmental Sciences, Material Sciences

(Faculty of Materials, Civil and Environmental Engineering)

| Code | Course Title | Study Level | ECTS | Semester | Faculty | Course requirements | Language |
|-----------------|--|--------------------|-------------|-----------------|---|---|-----------------|
| 1/I_21/ L/S /W2 | Chemistry for Civil Engineering | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Written exam | English |
| 2/I_21/ L/S /W2 | Polymer Physics | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Seminar paper | English |
| 3/I_21/ L/S /W2 | X-ray Scattering Methods in Material Science | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Seminar paper | English |
| 4/I_21/ L/S /W2 | Clothing Technology | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Written exam and multimedia presentation | English |
| 5/I_21/ L/S /W2 | Special Clothing | BSc/BA/MA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | Written exam | English |
| 6/I_21/ P /W2 | Project of the Special Clothing | BSc/BA/MA | 1 | W/S | Faculty of Materials, Civil and Environmental Engineering | Evaluation of documentation realized in the writing form and as a multimedia presentation | English |
| 7/I_21/ L/S /W2 | Fibre science (lecture) | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Test | English |
| 8/I_21/ L/E /W2 | Fibre science (laboratory) | BSc/BA/MA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | Test | English |

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| 9/I_21/ L/S /W2 | High-performance fibres | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Exam | English |
| 10/I_21/ L/S /W2 | Biomimetic | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Basic knowledge of chemistry | English |
| 11/I_21/ L/S /W2 | Ceramic processes (lecture) | BSc/BA/MA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | Basic knowledge of chemistry, Basic of ceramic materials | English |
| 12/I_21/ L/E /W2 | Ceramic processes | BSc/BA/MA | 3 | S | Faculty of Materials, Civil and Environmental Engineering | Basic knowledge of chemistry, Basic of ceramic materials, Own protective glasses and apron | English |
| 13/I_21/ L/S /W2 | Polymers (lecture) | BSc/BA/MA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Polymers, polymer processing, organic chemistry | English |
| 14/I_21/ P /W2 | Polymers (project) | BSc/BA/MA | 3 | S | Faculty of Materials, Civil and Environmental Engineering | Polymers, polymer processing, organic chemistry | English |
| 15/I_21/ L/E /W2 | Organic Chemistry (laboratory) | BSc/BA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | General chemistry | English |
| 16/I_21/L/S/P/W2 | Design thinking | BSc/BA | 5 | W | Faculty of Materials, Civil and Environmental Engineering | English level B2 | English |
| 17/I_22/ L/S /W2 | Water and Wastewater Technology (lecture) | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Exam | English |
| 18/I_22/ L/E /W2 | Water and Wastewater Technology (laboratory classes) | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Laboratories: attendance, written reports based on knowledge (connected with particular experiments) and performed experiments | English |
| 19/I_22/ P /W2 | Water and Wastewater Technology (project) | BSc/BA/MA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | Project: attendance, final report (based on calculations) | English |

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| 20/I_22/ L/S /W2 | Biomass and Bioenergy Technologies | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance, seminar with discussion | English |
| 21/I_22/ L/S /W2 | Solid Wastes Management | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance, seminar with discussion | English |
| 22/I_22/ L/S /W2 | Environmental Chemistry (lecture) | BSc/BA/MA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | Basic general chemistry and physics | English |
| 23/I_22/ L/E /W2 | Environmental Chemistry (laboratory) | BSc/BA/MA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Basic general chemistry and physics | English |
| 24/I_22/ L/S /W2 | Organic Chemistry (lecture) | BSc/BA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Basic general chemistry | English |
| 25/I_22/ L/E /W2 | Hydrobiology and water chemistry | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, discussion with students, the evaluation the exercise reports given by students, the estimation of qualification of conduction and evaluation the biological water analysis, by students | English |
| 26/I_22/ L/S /W2 | Devices and technologies for treatment of biogas | BSc/BA/MA | 3 | S | Faculty of Materials, Civil and Environmental Engineering | Lecture: exam, presentation | English |
| 27/I_22/ P /W2 | Hydrology | BSc/BA/MA | 3 | S | Faculty of Materials, Civil and Environmental Engineering | Credit with grade on the basis of assessment with the projects. On the assessment is also affected by systematic work, activity and attendance | English |
| 28/I_22/ P /W2 | Water Management | BSc/BA/MA | 3 | S | Faculty of Materials, Civil and Environmental Engineering | Credit with grade on the basis of assessment with the project. On the assessment is also affected by | English |

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| | | | | | | systematic work, activity and attendance | |
| 29/I_22/ L/S /W2 | Basic ecology | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, seminar with discussion | English |
| 30/I_22/L/S/E/W2 | Community ecology | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of course, written reports based on fieldwork and laboratory analysis | English |
| 31/I_22/ L/S /W2 | Biological conservation | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course and student's presentation | English |
| 32/I_22/ L/S /W2 | Land reclamation and restoration using biological methods | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course and presentation for specified topic concerning the topic of lecture | English |
| 33/I_22/ L/S /W2 | Biological invasions | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course and presentation for specified topic concerning IAS | English |
| 34/I_22/L/S/E/W2 | Geobotanical cartography | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, student's presentation based on work during laboratories | English |
| 35/I_22/L/S/E/W2 | Numerical ecology | BSc/BA/MA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course | English |
| 36/I_22/ L/E /W2 | Data analysis and visualization in R | BSc/BA/MA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance, written reports based on performed analyses | English |
| 37/I_22/ L/S/E /W2 | Applied ecology | BSc/BA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance and presentation prepared by students based on their calculations | English |
| 38/I_22/ L/S /W2 | Fiber plants | BSc/BA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance and presentation prepared by students | English |
| 39/I_22/ L/S /W2 | Anthropology and human ecology | BSc/BA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance and presentation prepared by students | English |

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| 40/I_22/ L/S /W2 | Ecological ethics | BSc/BA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | - | English |
| 41/I_22/ L/S /W2 | Biology | BSc/BA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, exam | English |
| 42/I_22/ L/E /W2 | Biology | BSc/BA | 3 | S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, the evaluation the exercise reports given by students, work with microscope, work in groups | English |
| 43/I_22/ L/S /W2 | The basics of sustainability | BSc/BA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, exam | English |
| 44/I_22/ L/E /W2 | The basics of sustainability | BSc/BA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Attendance of the course, the evaluation the exercise reports given by students | English |
| 45/I_22/ L/S /W2 | Civilizations and Inventions | BSc/BA/MA | 2 | W/S | Faculty of Materials, Civil and Environmental Engineering | No requirements | English |
| 46/I_22/ L/S /W2 | Green infrastructure | BSc/BA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance and presentation prepared by students | English |
| 47/I_22/ L/S /W2 | Nanotechnology in Environmental Engineering | BSc/BA/MA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance, project work, final exam | English |
| 48/I_22/L/S/P/W2 | Migration of pollutants in the environment | BSc/BA/MA | 4 | W/S | Faculty of Materials, Civil and Environmental Engineering | Attendance, project work, final exam | English |
| 49/I_24/ L/S /W2 | Highway Engineering (lecture) | BSc/BA | 1 | W | Faculty of Materials, Civil and Environmental Engineering | Geotechnics, Building materials, Hydrology | English |
| 50/I_24/ L/E /W2 | Highway Engineering (exercises) | BSc/BA | 1 | W | Faculty of Materials, Civil and Environmental Engineering | Traffic engineering | English |
| 51/I_24/ L/S /W2 | Foundations (Lectures) | BSc/BA | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Final written exam | English |
| 52/I_24/ L/S /W2 | Soil Mechanics (Lectures) | BSc/BA | 2 | W | Faculty of Materials, Civil and Environmental Engineering | Final written exam | English |

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| 53/I_24/ L/E /W2 | Soil Mechanics (Laboratory exercises) | BSc/BA | 2 | W | Faculty of Materials, Civil and Environmental Engineering | Class attendance and test from carried out practical exercises | English |
| 54/I_24/ L/S /W2 | Introduction of Quality | BSc | 2 | S | Faculty of Materials, Civil and Environmental Engineering | Written exam and multimedia presentation | English |
| 55/I_24/ P /W2 | Project of The Introduction of Quality | BSc/BA | 1 | S | Faculty of Materials, Civil and Environmental Engineering | Attendance and made the final report | English |
| 56/I_24/ L/S /W2 | European Union environmental law and management | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Exam | English |
| 57/I_24/ L/E /W2 | European Union environmental law and management | BSc/BA/MA | 3 | W/S | Faculty of Materials, Civil and Environmental Engineering | Seminar paper | English |



University
of Bielsko-Biala

Mechanical Engineering, Engineering, Metrology, Computer Science

(Faculty of Mechanical Engineering and Computer Science)

| Course Title | Study Level | ECTS | Semester | Faculty | Course requirements | Language |
|--|--------------------|-------------|-----------------|--|----------------------------------|-----------------|
| Forecasting and Simulation in Enterprise | BSc/MA | 2 5 | W S | Faculty of Mechanical Engineering and Computer Science | Presentation and seminar paper | English |
| Management of Technology and Innovation | BSc/MA | 5 | S | Faculty of Mechanical Engineering and Computer Science | Seminar paper | English |
| Decision support system | MA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Attendance, report | English |
| Marketing | BSc | 4 | W/S | Faculty of Mechanical Engineering and Computer Science | Attendance, exam | English |
| Management of Health and Safety at Work | BSc/BA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Attendance, active participation | English |
| Personnel Management | BSc/BA | 4 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/ attendance | English |

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|--|-----------|---|-----|--|---|---------|
| Operation research and optimisation | BSc | 5 | W | Faculty of Mechanical Engineering and Computer Science | Exam | English |
| Materials Science: Metallic materials | BA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/presentation/attendance | English |
| Materials Science: Materials Engineering | BA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/attendance | English |
| Materials Science: Heat Treatments (HT) | BA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/attendance | English |
| Materials Science: Polymers | BSc/BA/MA | 2 | W | Faculty of Mechanical Engineering and Computer Science | Presentation/attendance | English |
| Materials Science: Ceramic Materials | BSc/BA/MA | 2 | W | Faculty of Mechanical Engineering and Computer Science | Presentation/attendance | English |
| Materials Science: Engineering of Biomaterials | BSc/BA/MA | 2 | W/S | Faculty of Mechanical Engineering and Computer Science | Presentation made by student | English |
| Materials Science: Electrospinning | BSc/BA/MA | 2 | W/S | Faculty of Mechanical Engineering and Computer Science | Laboratory - attendance, report, presentation and discussion of the results | English |
| Fundamentals of Metrology | BSc | 6 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/presentation/attendance/seminar paper | English |
| Coordinate measuring technique | BSc | 1 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/presentation/attendance/seminar paper | English |
| Operational research | BA | 3 | S | Faculty of Mechanical Engineering and Computer Science | Attendance | English |

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|--|-----------|---|-----|--|--|---------|
| Standardization and quality management | BSc | 1 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/presentation/attendance/seminar paper | English |
| Manufacturing Metrology | BSc | 2 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam/presentation/attendance/seminar paper | English |
| Mechatronics | BA | 3 | S | Faculty of Mechanical Engineering and Computer Science | Presentation/attendance | English |
| Introduction to bond graph method for engineers | BA | 2 | S | Faculty of Mechanical Engineering and Computer Science | Attendance, seminar paper | English |
| Introduction to bond graph method for engineers | BA | 2 | S | Faculty of Mechanical Engineering and Computer Science | Attendance, seminar paper | English |
| Multibody dynamics | BA | 2 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam | English |
| Analytical Mechanics | MA | 4 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam | English |
| Dynamics of Robots | BA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam | English |
| Fundamentals of Robotics | BSc/BA/MA | 4 | W/S | Faculty of Mechanical Engineering and Computer Science | Project | English |
| Numerical methods for engineers | BSc/BA/MA | 2 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam | English |
| Simulations of dynamical systems using MSC.ADAMS | BSc/BA/MA | 2 | W/S | Faculty of Mechanical Engineering and Computer Science | Project | English |

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| Mathematical Analysis | BSc | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam and attendance | English |
| Discrete Mathematics | BSc | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam and attendance | English |
| Algorithmic Graph Theory | BSc | 4 | W/S | Faculty of Mechanical Engineering and Computer Science | Presentation/attendance/computer program with written description - it means the report | English |
| Design Theory | MSc | 1 | W/S | Faculty of Mechanical Engineering and Computer Science | Presentation/attendance/preparation of written report | English |
| Fundamentals of Machine Components Design and Processing | BSc | 7 | S | Faculty of Mechanical Engineering and Computer Science | Attendance/preparation of written report including particular design calculation and particular object e.g. planetary gear | English |
| Image Processing | BSc | 3 | W | Faculty of Mechanical Engineering and Computer Science | Exam/presentation/attendance | English |
| Simulation of electronic circuits | BSc | 3 | W | Faculty of Mechanical Engineering and Computer Science | Attendance | English |
| Information Technology | BSc/BA/MA | 2 | W | Faculty of Mechanical Engineering and Computer Science | Tests/presentation/attendance | English |
| Introduction to Networks | BSc/BA/MA | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Hands-on labs | English |
| Artificial Intelligence Methods | BSc/BA/MA | 4 | W | Faculty of Mechanical Engineering and Computer Science | Exam, attendance | English |

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| Programming in C# (Programming III) | BSc/BA/MA | 4 | W | Faculty of Mechanical Engineering and Computer Science | Computer laboratory | English |
| Programming Database Applications (Programming IV) | BSc/BA/MA | 5 | W | Faculty of Mechanical Engineering and Computer Science | Computer laboratory | English |
| Advanced Programming (Advanced Programming Techniques) | BSc/BA/MA | 3 | W | Faculty of Mechanical Engineering and Computer Science | Computer laboratory | English |
| Mathematical Statistics | BSc | 3 | W/S | Faculty of Mechanical Engineering and Computer Science | Exam and attendance | English |



University
of Bielsko-Biala

Philology, Culture, Literature, Pedagogy – Courses in English

(Faculty of Humanities and Social Sciences)

| Course Title | ECTS | Semester | Faculty | Language |
|---|-------------|-----------------|---|-----------------|
| New trends in foreign language learning | 3 | W | Faculty of Humanities and Social Sciences | English |
| Introduction to CLIL | 3 | W | Faculty of Humanities and Social Sciences | English |
| Teaching language skills | 4 | W | Faculty of Humanities and Social Sciences | English |

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| Integrated Skills – reading and speaking comprehension | 2 | W | Faculty of Humanities and Social Sciences | English |
| A History of American Literature | 3 | W | Faculty of Humanities and Social Sciences | English |
| Academic writing | 3 | W | Faculty of Humanities and Social Sciences | English |
| Practical English grammar | | W | Faculty of Humanities and Social Sciences | English |
| Contemporary theories of Linguistics | 1 | W | Faculty of Humanities and Social Sciences | English |
| Teaching the language system and language skills | 4 | S | Faculty of Humanities and Social Sciences | English |
| Language acquisition | 2 | S | Faculty of Humanities and Social Sciences | English |
| Theory of Learning and teaching | 2 | S | Faculty of Humanities and Social Sciences | English |
| Translation Problems in Literature | 3 | S | Faculty of Humanities and Social Sciences | English |
| Academic Writing | 3 | S | Faculty of Humanities and Social Sciences | English |
| Practical English – Grammar | 3 | S | Faculty of Humanities and Social Sciences | English |
| A Survey of English Literature | 3 | S | Faculty of Humanities and Social Sciences | English |
| Integrated Skills – reading and speaking comprehension | 2 | S | Faculty of Humanities and Social Sciences | English |
| Introduction to Literary Theory | 3 | S | Faculty of Humanities and Social Sciences | English |
| A History of American Literature | 3 | S | Faculty of Humanities and Social Sciences | English |



University
of Bielsko-Biala

Philology, Culture, Literature, Pedagogy – Courses in Spanish

(Faculty of Humanities and Social Sciences)

| Course Title | Study Level | ECTS | Semester | Faculty | Language |
|--|--------------------|-------------|-----------------|---|-----------------|
| Descriptive grammar of the Spanish language (Gramática descriptiva de la lengua española) | 1 | 3 | W, S | Faculty of Humanities and Social Sciences | Spanish |
| Descriptive grammar of the Spanish language (Gramática descriptiva de la lengua española) | 1 | 2 | W | Faculty of Humanities and Social Sciences | Spanish |
| History of Spanish-American literature / Spanish-American literature (Historia de literatura hispanoamericana / Literatura hispanoamericana) | 1 | 3 | S | Faculty of Humanities and Social Sciences | Spanish |
| History of Spanish-American literature / Spanish-American literature (Historia de literatura hispanoamericana / Literatura hispanoamericana) | 1 | 4 | W | Faculty of Humanities and Social Sciences | Spanish |

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| Spanish for tourism Español de turismo | 1 | 2 | W | Faculty of Humanities and Social Sciences | Spanish |
| Business Spanish (Español de negocios) | 1 | 3 | S | Faculty of Humanities and Social Sciences | Spanish |
| Colloquial Spanish (Español colloquial) | 1 | 3 | S | Faculty of Humanities and Social Sciences | Spanish |
| History of the Spanish language with elements of historical grammar (Historia de la lengua española con elementos de gramática histórica) | 1 | 4 | W | Faculty of Humanities and Social Sciences | Spanish |
| Business communication in Spanish (Comunicación para los negocios en español) | 1 | 3 | S | Faculty of Humanities and Social Sciences | Spanish |
| Spanish as a foreign language – grammar (Español como lengua extranjera – gramática, B2+) | 2 | 4 | W | Faculty of Humanities and Social Sciences | Spanish |
| Spanish as a foreign language - writing academic texts (Español como lengua extranjera – escritura de textos académicos, B2+) | 2 | 4 | S | Faculty of Humanities and Social Sciences | Spanish |
| Spanish as a foreign language – writing academic texts (Español como lengua extranjera – escritura de textos académicos, B2+) | 2 | 4 | S | Faculty of Humanities and Social Sciences | Spanish |
| Spanish as a foreign language - speaking (Español como lengua extranjera – conversación, B2+) | 2 | 4 | S | Faculty of Humanities and Social Sciences | Spanish |
| Spanish as a foreign language - speaking (Español como lengua extranjera – conversación, B2+) | 2 | 4 | S | Faculty of Humanities and Social Sciences | Spanish |
| Spanish as a foreign language - specialised language (Español como | 2 | 4 | W | Faculty of Humanities and Social Sciences | Spanish |

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| lengua extranjera – lenguaje especializado, B2+) | | | | | |
| Contemporary theories of translation/ Selected topics in translatology (Teorías contemporáneas de la traducción/ Temas seleccionados de la traductología) | 2 | 3 | W | Faculty of Humanities and Social Sciences | Spanish |
| Non-fictional literature in Spanish/ Between fiction and non-fiction (Literatura no ficcional en español/Entre ficción y no ficción) | 2 | 2 | W | Faculty of Humanities and Social Sciences | Spanish |