PAN-EUROPEAN UNIVERSITY

APEIRON
ΗΟΓΙΞΝΡΟΗ

Multidiscipline & Virtual Studies

B a n j a   L u k a

ACCREDITED

System of distance learning

7 Colleges

21 Study programs

STUDY GUIDE

Academic 2019/2020. year

University of eropean knowledge

{contents}

Cover design:
Siniša Tomić

DTP:
Sretko Bojić

PAN-EUROPEAN UNIVERSITY

APEIRON
ΑΠΕΝЬОΗ

Multidiscipline & Virtual Studies
B a n j a L u k a

COLLEGES

- College of Modern Management
- Law College
- College of Information Technologies
- College of Health Sciences
- College of Sport Sciences
- College of Philology
- College of Traffic & Transportation Engineering

THE TYPE OF STUDIES

- **studies of the first cycle** (regular and extraordinary):
  - in the period of 3 years / 6 semesters
  - in the period of 4 years / 8 semesters
- **studies of the second cycle:**
  - master studies in the period of 1 year / 2 semesters (60 ECTS)
  - master studies in the period of 2 years / 4 semesters (120 ECTS)
- **PhD studies of the third cycle**
  (3 years / 6 semesters)

- Lifelong Learning Program (outcome - vocational academy certificate)
- Programs of continuing professional education and training (outcome - vocational academy certificate)

▶ Dialogue system of education based on mentor support

The educational concept is based on the European and American standards in the grading system, organization of studies, didactic methods and curricula. Practice at the University is based on the best experiences and traditions of American colleges and European universities with the application of all principles initiated by the Bologna reform process of the European higher education. At the University, only one-semester courses are held. Students are enabled to individualize their studies by choosing electives independently (there are up to 25% of them), which personalizes their studies within the multi-disciplinary study programs.

▶ Efficiency/Passing rates/Knowledge standards

In order to achieve high motivation of students and high passing rates at the university with the European standard of acquired knowledge and skills, the university makes use of: block system of teaching, curricula and textbooks formatted according to the Bologna study metric, provided textbooks, recorded lectures and multimedia resources for learning, interactive activities in the classroom with small groups of students, organized educational workshops (seminars, case studies, legal clinics, simulations, VIP panels, student projects, instructional camps, collaborative learning). Planned passing rate at the university is 80%.

▶ The Grading System

Public transparency and the accumulation of all forms of students' activities are the characteristics of the grading system in which, the grade is formed on the basis of the evaluation of all sources of students' activities (activities in the process of teaching, activities within the framework of independent educational forms and assessment of active exam knowledge). During the studies, in a system of vertical movement, other students' achievements related to practice, work experience, published papers and participation in the projects are also graded, as well as previous formal and informal educational forms undergone by students.

▶ Vocational Academy

Microsoft® IT Academy
Program Member

Pan-European University "APEIRON" is authorized Microsoft IT Academy as well as Cisco Network Academy through which a large number of various certifications in the field of ICT (Information and Communications Technology) are offered. We organize courses related to the work with Adobe applications for digital image processing, multimedia, animation and special effects, as well as Autodesk courses for 3D modeling and animation. Apart from these licenses, we possess the licenses of authorized test centers such as Pearson VUE and Prometric through which candidates can acquire a large number of globally recognized certificates in various fields.

▶ Enrolment Periods and Criteria

- 1st admission period: May/June
- 2nd admission period: September

Application for admission is published in the leading daily newspapers in Bosnia and Herzegovina and the Republic of Srpska, as well as in other electronic news media.
In the first year of study may enroll a person who has completed four years of secondary education in Bosnia and Herzegovina entities and Brčko District, or equivalent education abroad may. The University also enrolls foreign citizens.
Students who already have a college or university degree or students who have their previously acquired education graded can continue their education in the third or fourth year of college within the study programs organized at Pan-European University »APEIRON«, if the study programs are equivalent, if the study programs are mutually abutting. The University does not organize entrance exam unless more candidates apply than planned. Information about the prescribed documentation and detailed enrollment requirements can be downloaded on the website or obtained in the university student service.

▶ Study transparency and specialization

By specialization programs, modular approach to curriculum development, and the regime of intensive studies, students are enabled to acquire attractive specialist titles as additional determinants of basic titles, and within the regime of one-year study to acquire a second degree in addition to their basic degree within compatible study programs. At the University, student exchange is organized in cooperation with partner institutions of higher education with which Pan-European University has signed contracts.

Enrollment Policy

Educational paradigms applied at the University

Student centered university

A synthesis of different teaching forms, different teaching methods, and educational styles

blended learning

direct instruction teaching → distance learning

project based-learning

problem-based learning
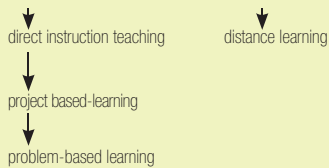
■ A flexible system of the Bologna levels of higher education and transfer. A flexible system of the Bologna levels of higher education and transfer is designed, with accumulation of credit points, respectively;

■ In the design of study programs, a modular construction principle of the curricula with the reengineering and redefining of the traditional curriculum is applied, by which students acquire multidimensional, multidisciplinary and interdisciplinary knowledge;

■ Subjects of the common basics are provided with the development of common generic student competencies parallel with academic, common-educational, theoretical-methodological, scientific and vocational-applicative, i.e. specialist competencies;

■ From the beginning, an integral Bologna type of university is built, oriented towards students, so called "Student centered university" with the synergy of all shared resources including teaching, i.e. educational resources, i.e. university which is also a business, incubation and "career guidance" center;

■ An integrated mixed model of studying and learning (blended learning) is introduced which represents the synthesis of contact teaching, distance learning and mobile education, i.e. the synthesis of various forms of the delivery of educational content and teaching methods. Modern interactive forms of knowledge transfer in the form of a dialogue and students' active participation in educational workshops is preferred, and in which students equally absorb and acquire the proficiency of professors who are at the same time teachers and mentors. Problem-based learning, symbiotic learning and project-based learning are applied.

University "ID"

Academic staff	Number of employed professors at the Pan-European University	☑ Full-time employed professors	36
		☑ Part-time employed professors	17
		Total number of employed academic staff (with PhD)	53
	Number of guest professors	☑ Professors employed under the contract (guest)	70
	Number of assistants/expert associates	☑ Assistants/associates – employed full-time	7
		☑ Assistants/associates – employed part-time	2
		☑ Assistants/associates employed under the contract	40
		Total number of employed academic staff (assistants/associates)	49
	University professional staff	☑ Staff employed	57
	Total number of employees	☑ 228	
	Number of students	☑ Studies of the first cycle	2.705 students
		☑ Master Studies	103 students
		☑ PhD Studies	64 students

Students of the College of Modern Management visiting the Banja Luka Stock Exchange
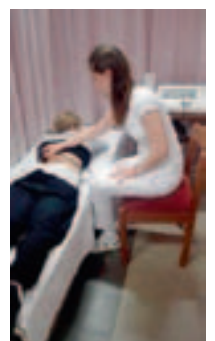
Students of the College of Health Sciences in practice at HTC Banja Vrućica, Teslić

Accrediation

Agency for Accreditation of Higher Education Institutions of Republic of Srpska issued Decision on accreditation for PanEuropean University "Apeiron", 24th March 2016 under the number 01 / 1.3.74 / 16. The decision is valid until March 2021, the quality standard of University "Apeiron" is confirmed.

Out of nine criteria that the Agency validated: the development and strategy of higher education institutions, management, internal quality assurance and culture quality, procedures and quality assurance of study programs, student assessment, human resources, physical resources quality, information systems, presentation of information to the public and international coopera-

tion, four received a score of "HEI mainly meets the requirement," and five were rated with "HEI fully meets the requirement."

External evaluation is done by checking the level of compliance with the requirements of ESG (European Standards and Guidelines) standards and criteria for accreditation of higher education institutions in carrying out the study program of the University.

Accreditation equally situated PanEuropean University into a unique space of higher education, where this institution of higher education in general, and its diplomas are highly recognized, as well as its students and professors in exchange with teaching staff and students of other Higher Education Institution in Europe.

The quality assurance policy of the Pan-European University in the field of higher education is a top priority of the overall business policy of the institution. By identifying quality as a priority in the business policy, the top-quality educational and scientific services that are in line with the needs and expectations of our students and society as a whole, safe and healthy environment for all staff members and continuous improvement of the business processes and the entire system are provided.

The primary objective of the Quality System is to ensure the highest quality in the provision of educational services, research activities and non-teaching services. The Quality Management System was designed to meet the classification requirements for regional higher education levels and international ESG (European Standards and Guidelines) and criteria for accreditation of higher education institutions, and the accompanying guidelines for quality assurance in the European Higher Education Area - ENQA (European Association for Quality Assurance in Higher Education).

College of Modern Management

College of Modern Management

Fakultet poslovne ekonomije
College of modern management

Study programs

1. Business Administration and Entrepreneurship
2. Banking, Finance and Trade Management
3. Public Administration and Governance

Academic studies of the first cycle - 180 ECTS
in the period of **3 years** *(6 semesters)*

Business Administration and Entrepreneurship	**Bachelor of Business Administration and Entrepreneurship (B.BA)** - 180 ECTS
Banking, Finance and Trade Management	**Bachelor of Banking, Finance and Trade Management (B.BFT)** - 180 ECTS
Public Administration and Governance	**Bachelor of Public Administration and Governance (B.PubAdmin.&Gov.)** - 180 ECTS

Academic studies of the first cycle - 240 ECTS
in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

Business Administration and Entrepreneurship	**Bachelor of Business Administration and Entrepreneurship** - 240 ECTS *(Specialist in the field of ... / BScBA spec. in ...)*
Banking, Finance and Trade Management	**Bachelor of Banking, Finance and Trade Management** - 240 ECTS *(Specialist in the field of Banking, Finance and Trade Management / BSc.BFT spec. in ...)*
Public Administration and Governance	**Bachelor of Public Administration and Governance -** 240 ECTS *(Specialist in the field of ... / B.ScPubAdmin.&Gov. spec. in ...)*

Master studies of the second cycle – 300 ECTS
in the period of 1 to 2 years *(2-4 semesters)*
- with Master Thesis Defense

Business Administration and Entrepreneurship	**Master of Business Administration and Entrepreneurship** - 300 ECTS **Master of Business Administration and Entrepreneurship** - 300 ECTS *(... in the field of ... / MScBA)*
Banking, Finance and Trade Management	**Master of Banking, Finance and Trade Management** - 300 ECTS **Master of Banking, Finance and Trade Management** - 300 ECTS *(... in the field of Banking, Finance and Trade Management / MScBA in Banking, Finance and Trade Management)*

The third cycle studies - doctoral studies - 480 ECTS
Duration **3 years** *(6 semesters)*

Study program	Economy - Study module: Business Logistics Management
Scientific area	- Economics
	- Social Studies
Scientific field	- Management
	- Logistics
	- Operational Research
Scientific degree	**Doctor (PhD) of Economics** - 480 ECTS

Business Administration and Entrepreneurship - *(studies of the first cycle in the period of three and four years)*	ECTS
Year of study	
I Mundology	5
Philosophy of life (academic skills)	5
Statistical methods in management	6
Higher mathematics (general course)	6
Foreign language – level I	4
Social Psychology	4
Marketing psychology	5
Communicology (including information theory)	5
Marketing management research	6
Foreign language – level II	4
Program of elective subjects	4+6
II Macroeconomics	5
Microeconomics	5
Technology management	5
Securities	5
Market business planning	5
Marketing organization and management	5
Business finance	5
Modern management, Program of elective subjects	6
Izborni program - neparni/parni semestar	10+9
III Fundamentals of theory of systems and management	5
Informatics and computer technology	5
Fundamentals of accounting	5
Information system design	5
Business Law	6
Stock market trading	4
Management accounting,	5
Entrepreneurship and entrepreneurial economy	5
Project management	5
Program of elective subjects	10+5
IV Quantitative methods and models	5
Introduction to civil law	6
Decision theory	4
Investment management	7
International business law	6
Market business control and audit	5
Development management	5
Cost management	5
Program of elective subjects	8+4
Graduate/specialist thesis	5

Business Administration and Entrepreneurship - *Bachelor of Business Administration and Entrepreneurship -* **240 ECTS** *(Specialist in the field of ...)*

Specialist fields

- Corporate entrepreneurship
- Strategic management and geopolitics
- Project and investment management
- Small enterprises and micro-credits
- Transitional re-engineering
- International marketing management
- Conflict and crisis management
- Standardization and quality management
- Technology forecasting and innovative entrepreneurship
- Team development and communication skills
- Environmental management and sustainable development

* Electronic textbooks are provided for most subjects, except the textbooks that are being developed.

College of Modern Management

Year of study	Banking, Finance and Trade Management - (studies of the first cycle in the period of three and four years)	ECTS
I	Mundology	5
	Philosophy of life (academic skills)	5
	Statistical methods in management	6
	Higher mathematics (general course)	6
	Foreign language – level I	4
	Social psychology	4
	Marketing psychology	5
	Communicology (including information theory)	5
	Marketing management research	6
	Foreign language – level II	4
	Program of elective subjects	4+6
II	Macroeconomics	5
	Microeconomics	5
	Technology management	5
	Securities	5
	Service economy	5
	Marketing organization and management	5
	Business finance	5
	Management of public procurement	5
	Program of elective subjects	10+10
III	Fundamentals of theory of systems and management	5
	Informatics and computer technology	5
	Fundamentals of accounting	5
	Information system design	5
	Management of commercial banks	6
	Stock market trading	4
	Management accounting	5
	Trade marketing management	5
	Project management	5
	Program of elective subjects	10+5
IV	Quantitative methods and models	5
	Portfolio management	6
	Decision theory	4
	Sales improvement – Merchandising & Franchising	5
	International business law	6
	Market business control and audit	5
	Theory of costs	5
	Export marketing management (Export marketing tools)	4
	Program of elective subjects	10+5
	Graduate/specialist thesis	5

Banking, Finance and Trade Management - *Bachelor of Business Administration and Entrepreneurship -* **240 ECTS** *(Specialist in the field of ...)*

Spec. fields
- Bank marketing management
- Export and trade management
- Management of freight forwarding, logistics, and insurance
- Tax management, market business audit and control
- Stock market and portfolio management

Year of study	Public Administration and Governance - (studies of the first cycle in the period of three and four years)	ECTS
I	Mundology	5
	Philosophy of life (academic skills)	5
	Statistical methods in management	6
	Higher mathematics (general course)	6
	Foreign language – level I	4
	Social psychology	4
	Marketing psychology	5
	Communicology (including information theory)	5
	Marketing management research	6
	Foreign language – level II	4
	Program of elective subjects	4+6
II	Macroeconomics	5
	Microeconomics	5
	Technology management	5
	Securities	5
	Constitutional Law	5
	Administrative Law	6
	Administrative and office management	4
	Transition management	5
	Program of elective subjects	10+10
III	Fundamentals of theory of systems and management	5
	Informatics and computer technology	5
	Fundamentals of accounting	5
	Information system design	5
	Budget management	5
	State management and the rule of law	5
	Municipal management and local government	5
	Administrative procedural law	6
	Project management	5
	Program of elective subjects	10+4
IV	Management of public finances	6
	Political management	5
	Decision theory	4
	Tax management and consulting	5
	Theory of international economic relations	5
	Entrepreneurship and entrepreneurial economy	5
	Market business control and audit	5
	Development management	5
	Program of elective subjects	10+4
	Graduate/specialist thesis	6

Public Administration and Governance - *Bachelor of Public Administration and Governance -* **240 ECTS** *(Specialist in the field of ...)*

Spec. usmje.
- Government management and public administration,
- Budget management and public finance,
- Human resource development and public relations,
- Political management,
- European Union

Original program of elective subjects at College of Modern Management:

Financial and business mathematics, Crisis management/revitalization and reconstruction of companies, Crisis management/conflict management, Change management, Technology forecasting and innovative entrepreneurship, Birth and incubation process of new ideas, TQM - Quality management, Establishment and management of a small business, Business plan, Strategic management, Market theory, Acquisition management, Political market research, Characteristics of nations, Social ecology, Culture management, Business correspondence, Nonprofit management - management of nongovernmental organizations, Geopolitics - worldwide processes of globalization, Risk management, Negotiation in international business, Study of the behavior of consumers and customers, Intellectual capital (knowledge economy), Business partnerships, Team development and building (working groups and teamwork), Holistic management, Complexity theory, Marketing management of private trade, Education management, Management of business logistics and freight forwarding, Tourism management, Hotel management, Public procurement management, Customs management and customs policy.

Academic titles are standardized by the act "The nomenclature of professional, academic and scientific titles", in accordance with the legal regulations for this area. The curriculum is approved by the University Senate.

Law College

Study programs

1. General Law study program
2. Business Law

Academic studies of the first cycle - 180 ECTS

in the period of **3 years** *(6 semesters)*

General Law study program	**Bachelor of Law** - 180 ECTS *(LL.B.)*
Business Law	**Bachelor of Business Law** - 180 ECTS *(LL.B. in Business Law)*

Academic studies of the first cycle - 240 ECTS

in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

General Law study program	**Bachelor of Law** - 240 ECTS *(Specialist in ... / LL.B. spec. in ...)*
Business Law	**Bachelor of Business Law** - 240 ECTS *(Specialist in ... / LL.B. spec. in ...)*

Master studies of the second cycle – 300 ECTS

in the period of 1 to 2 years *(2-4 semesters)*
- with Master Thesis Defense

General Law study program	**Master of Law** - 300 ECTS **Master of Law** - 300 ECTS *(... in the field of ... / LL.M.)*

Basic Studies and Scientific Fields

The College is principal in the basic scientific fields: theoretical-legal, general-legal, historical-legal, constitutional and political-legal, civil-legal, economic, financial-legal (public and business finance), family-legal, labor-legal, administrative, judicial and criminal-legal, forensic-criminal, international-legal (public and private), European-legal (communitarian), US-legal (precedent), business-legal (positive and international), as well as secondary scientific fields of study at the College that underlie an interdisciplinary approach: rhetoric, communication science, interpersonal and communication skills, administration, documentary, legal informatics, decision theory, risk management and crisis management, project management, conflict management, e-business , business change management.

General Law study program *- (studies of the first cycle in the period of three and four years)*		ECTS
Year of study		
I	Mundology	5
	Philosophy of life (academic skills)	5
	Philosophy and theory of law	6
	Comparative history of state and law	5
	Nomotechnics with methodology of law	4
	Social psychology	4
	Communicology	5
	Entrepreneurship and entrepreneurial economy	5
	Administrative and office management	4
	Roman law	6
	Program of elective subjects	5+6
II	Macroeconomics	5
	Microeconomics	5
	Criminal law – general part	5
	Introduction to civil law	6
	Criminal law – special part	5
	Constitutional law	5
	Administrative law	6
	Family law	4
	Finance and financial law	5
	Property law	5
	Program of elective subjects	4+5
III	Informatics and computer technology	5
	Criminal procedural law	6
	Civil procedural law	6
	Foreign language – level I	4
	Module – I	9
	Business law	6
	Law of obligations	5
	Administrative procedural law	6
	Inheritance law	4
	Labor law	4
	Program of elective subjects	5
IV	European Union	5
	Public international law	6
	Private international law	6
	Foreign language	4
	Module – II	9
	Criminology	5
	International business law	6
	State management and the rule of law	5
	Entrepreneurship and entrepreneurial economy	5
	Foreign language – level II	4
	Graduate/specialist thesis	5

General Law study program
Bachelor of Law **240 ECTS** *(Specialist in the field of ...)*

Specialist fields

- Economic/civil law,
- Judicial/criminal law,
- General/international law,
- Administrative law,
- Labor/social law,
- Constitutional/political law,
- Theoretical/historical law,
- Legal information technology and documentary,
- Team development and communication skills,
- Human resource development and public relations,
- Conflict and crisis management

Law College

Year of study	Business law - (studies of the first cycle in the period of three and four years)	ECTS
I	Mundology	5
	Philosophy of life (academic skills)	5
	Philosophy and theory of law	6
	Comparative history of state and law	5
	Foreign language	4
	Social psychology	4
	Communicology	5
	Entrepreneurship and entrepreneurial economy	5
	Administrative and office management	4
	Foreign language	4
	Program of elective subjects	5+8
II	Macroeconomics	5
	Microeconomics	5
	Banking law and securities	5
	Introduction to civil law	6
	Constitutional law	5
	Administrative law	6
	Law of obligations	5
	Finance and financial law	5
	Program of elective subjects	9+9
III	Informatics and computer technology	5
	Criminal law – general part	5
	Criminal law – special part	5
	Criminal procedural law	6
	Business law	6
	State management and the rule of law	5
	Administrative procedural law	6
	Labor law	4
	Stock market trading	4
	Program of elective subjects	9+5
IV	European Union	5
	Public international law	6
	Tax management and consulting	5
	Private international law	6
	Program of elective subjects	8
	International business law	6
	Market business audit and control	5
	Rhetoric and theory of literacy	5
	Property law	5
	Graduate/specialist thesis	9

Business Law - *Bachelor of Business Law* **240 ECTS**
(Specialist in the field of ...)

Spec. fields

Business law,

Export business and commercial law,

Freight forwarding, logistics, and insurance law,

Tax system, market business audit and control,

Stock market and portfolio management

Modular program of elective subjects of the Law College:

Judicial/criminal law module I and module II, Criminalistics and forensic science module I and module II, Commercial/civil law module I and module II, General international law module I and module II, Communitarian/European law module, Case/American law module, Administrative law module I and module II.
A module is a complex of three related cases with abbreviated content that are studied together in order to provide multi-disciplinary knowledge in the specific field of application of the law. Within all modules, 35 specialist disciplines are available to students.

Original program of elective subjects of the Law College:

Penology, Legal medicine, Victimology, Forensic psychology and psychopathology, Misdemeanor law, Fundamentals of criminology, Fundamentals of forensic science, Criminal and forensic investigation, Management of criminal-forensic investigation, Forensic expert analysis, IT criminal-forensic investigation, Juvenile criminal law, Copyright & patent law, Insurance law, Notary law, Bankruptcy law, International payment system and arbitration, International system of accounting and auditing, International criminal law, Municipal management and local government, Special administrative law, Civil service law, International humanitarian law, Diplomatic and consular law, Constitutional law of the European Union, European labor law, EU common market law, Introduction to American law with basics of the case law, Court system in the United States, Federalism in the United States, Control and audit of public administration, Public services, Environmental law, Sports law, Forensic psychology, Constitutional procedural law (Constitutional jurisprudence), Securing receivables law.
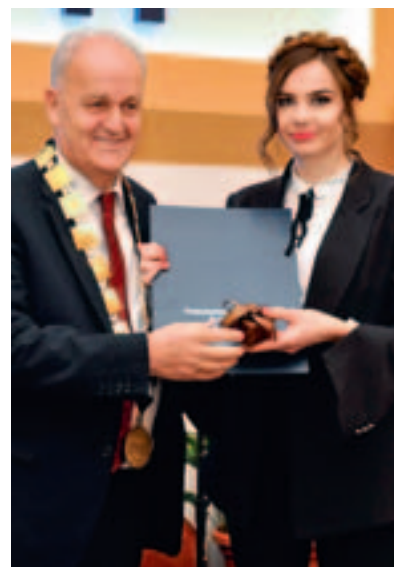
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COLLEGE OF HEALTH SCIENCES

College of Health Sciences

FAKULTET ZDRAVSTVENIH NAUKA
COLLEGE OF HEALTH SCIENCES

Study programs

1. Health Care and Nursing
2. Physiotherapy and Occupational Therapy
3. Sanitary Engineering
4. Medical Laboratory Engineering
5. Health Care Management

Academic studies of the first cycle - 180 ECTS
in the period of **3 years** *(6 semesters)*

Health Care and Nursing	**Bachelor of Health Care and Nursing** - 180 ECTS
Physiotherapy and Occupational Therapy	**Bachelor of Physiotherapy** - 180 ECTS
Sanitary Engineering	**Bachelor of Sanitary Engineering** - 180 ECTS
Medical Laboratory Engineering	**Bachelor of Medical Laboratory Engineering** - 180 ECTS
Health Care Management	**Bachelor of Health Care Management** - 180 ECTS

Academic studies of the first cycle - 240 ECTS
in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

Health Care and Nursing	**Bachelor – Specialist of Health Care and Nursing** - 240 ECTS
Physiotherapy and Occupational Therapy	**Bachelor – Specialist of Physiotherapy and Occupational Therapy** - 240 ECTS
Sanitary Engineering	**Bachelor – Specialist of Sanitary Engineering** - 240 ECTS
Medical Laboratory Engineering	**Bachelor – Specialist of Medical Laboratory Engineering** - 240 ECTS
Health Care Management	**Bachelor – Specialist of Health Care Management** - 240 ECTS

Master studies of the second cycle – 300 ECTS
in the period of 1 to 2 years *(2-4 semesters)*
- with Master Thesis Defense

Health Care and Nursing	**Master of Health Care and Nursing** - 300 ECTS
	Master of Health Care and Nursing - 300 ECTS *(... in the field of ... / M.Sc.HCN)*
Health Care Management	**Master of Health Care Management** - 300 ECTS
	Master of Health Care Management - 300 ECTS *(... in the field of ...)*
Sanitary Engineering	**Master of Sanitary Engineering** - 300 ECTS
	Master of Sanitary Engineering - 300 ECTS *(... in the field of... / M.Sc.San.Eng.)*

Health Care and Nursing
- (studies of the first cycle in the period of three and four years)

Year of study		ECTS
I	Sociology of health with public health system	5
	Philosophy of life (academic skills)	5
	Statistical methods (in health care)	6
	Informatics and computer technology	5
		5
	Foreign language – level I	4
	Fundamentals of anatomy and histology	7
	Medical biochemistry	6
	Physiology with pathophysiology	7
	Introduction to medicine and health care	6
	Foreign language – level II	4
II	Human genetics	5
	Microbiology with parasitology	6
	Fundamentals of pathology	6
	Emergency medicine, reanimatology, and intensive medical care	6
	Propedeutics and health care in the clinical-hospital practice	7
	Epidemiology	5
	Fundamentals of pharmacology with toxicology	6
	Care of infectious patients and infectious diseases	7
	Care of internal medicine patients with basics of internal medicine	7
	Communicology (in health care)	5
III	Health care in pediatrics	6
	Care of surgical patients with basics of surgery	6
	Care of psychiatric patients with basics of psychiatry	5
	Care of the elderly with basics of geriatrics	4
	Health care of women with basics of gynecology and obstetrics	5
	General clinical practice	4
	Fundamentals of transfusiology	5
	Care in family medicine and primary health care protection	5
	Oncology and palliative health care	6
	Nutrition, nutritional therapy, and dietetics	6
	Radiology and imaging in health care	4
	Special clinical practice	4
IV	Fundamentals of surgical instrumentation	7
	Care of cardiopulmonary patients – intensive care in cardiology	7
	Ophthalmology and medical care	5
		6
	Program of elective subjects	5
	Ergonomics and occupational medicine	5
	Dermatovenerology and medical care	5
	ENT and medical care	5
	Organization of health care institutions	5
		4
	Graduate/specialist thesis	6

Management in Health *- (three and four years of the*
Entering level of 120 ECTS - Enrolment for the graduate of the

III years od study / First year of Differential study		ECTS
	Sociology of health with public health system	5
	Academic skills with the basic research in health system	5
	Portfolio management	6
	Decision making theory	4
	Health management	5
	Economics service	5
	Entrepreneurship and mntrepreneur economics	5
	PR management- PR	4
	Organization and administration of health institutions and health care system	5
	Health care insurance	5
	Elective program- winter/summer semester	5+6

Physiotherapy and Occupational Therapy
- (studies of the first cycle in the period of three and four years)

Year of study	Subject	ECTS
I	Physics with biophysics	5
	Informatics and computer technology	5
	Introduction to physiotherapy	5
	Biomechanics with kinesiology	5
	Statistical methods (in health care)	6
	Foreign language – level I	4
	Fundamentals of anatomy and histology	7
	Physiology with pathophysiology	7
	Introduction to medicine and health care	6
	Fundamentals of kinesiology with kinesiometry	5
	Communicology (in health care)	5
II	Fundamentals of physical medicine and rehabilitation	7
	Physiotherapy in orthopedics and traumatology	7
	Physiotherapy in cardiology and pulmonology	6
	Fundamentals of pathology	6
	Foreign language – level II	4
	Physiotherapy in rheumatology	7
	Medical massage	5
	Sports medicine	6
	Prosthetics and orthotics	7
	Fundamentals of occupational therapy	5
III	Physiotherapy in neurology	8
	Physiotherapy in pediatrics	7
		5
	Balneology	5
	General clinical practice in physiotherapy	5
	Physiotherapy in geriatrics	5
	Physiotherapy in gynecology and obstetrics	6
	Radiology and imaging in health care	4
	Ergonomics and occupational medicine	5
	Special clinical practice in physiotherapy	5
	Program of elective subjects	5
IV	Application of manual techniques in physiotherapy	6
	Health care management	5
	Emergency medicine, reanimatology, and intensive medical care	6
		6
	Special clinical practice in physiotherapy	7
	Radiological protection	4
	Organization of health care institutions	5
	Theory of sports training	6
	Sports tourism and wellness	6
		4
	Graduate/specialist thesis	5

Academic titles are standardized by the act "The nomenclature of professional, academic and scientific titles", in accordance with the legal regulations for this area. The curriculum is approved by the University Senate.

Sanitary Engineering
- (studies of the first cycle in the period of three and four years)

Year of study	Subject	ECTS
I	Sociology of health with public health system	5
	Philosophy of life (academic skills)	5
	Statistical methods (in health care)	6
	Physics with biophysics	5
	Biology with human genetics	5
	Foreign language – level I	4
	Fundamentals of anatomy and histology	7
	Medical biochemistry	6
	Physiology with pathophysiology	7
	Chemistry	6
	Foreign language – level II	4
II	Microbiology with parasitology	6
	Fundamentals of pathology	6
	Informatics and computer technology	5
	Water management and protection	5
	Fundamentals of environmental protection	4
	Epidemiology	5
	Fundamentals of pharmacology with toxicology	6
	Communicology (in health care)	5
	Food additives and contaminants	4
	Nutrition, nutritional therapy, and dietetics	6
	Program of elective subjects	4+4
III	Waste management	5
	Physicochemical analysis of food and water	6
	Fundamentals of food technology and preservation	4
	Drinking water treatment technology	5
	Analysis, control, and protection of air	5
	Program of elective subjects	5
	Ergonomics and occupational medicine	5
	Microbiological analysis of food and water	6
	Sanitary and environmental legislation and supervision	5
	Radiological protection	4
	General sanitary practice	10
IV	Health care management	5
		5
	Disinfection, disinsection, deratization	5
	Sampling methodology in sanitary-hygienic inspection	3
		4
	Special practice in institutions of inspection	8
	Organization of health care institutions	5
	Administrative procedural law	6
	Sanitary-hygienic principles in construction	5
	Systems of quality management and food safety	5
	Graduate/specialist thesis	9

College of Health Sciences

study of the first cycle)
two years medical-health college

		Subject	ECTS
IV years of study	Second year of Differential study	System of health care and health politics	5
		Economics and health institutions finance	7
		Investment management	7
		Public finance management	6
		Elective courses- winter semester (1)	5
		Marketing management research	6
		Project management	5
		Human resources management	5
		Corporative management	4
		Graduate/specialist thesis	10

* Electronic textbooks are provided for most subjects, except the textbooks that are being developed.

Entry level 180 ECTS - Enrolment for the graduate of the first cycle of medical-health vocation (three years of Bachelor study, duration of 6 semesters)

		Subject	ECTS
IV years of study	First year of differential program	Sociology of health with public health system	5
		Academic skills with the basic research in health system	5
		Portfolio management	6
		Decision making theory	4
		Health management	5
		Elective program- winter semester	5
		Economics service	5
		Entrepreneurship and entrepreneur economics	5
		PR Management- PR	4
		Organization and administration of health institutions and health care system	5
		Health care insurance	5
		Graduate/specialist thesis	5+6

College of Health Sciences

The general requirement for admission to study program "Management in Health" is to have graduated from the college or faculty within major medical and health-care vocation.

For the enrolment for the graduate from the college of the medical health profession, the student has the entry level of 120 ECTS accepted;

For the enrolment for the first cycle completed of the medical health vocation, (three-year bachelor degree in duration of 6 semesters), the student has the entry level of 180 ECTS accepted;

Student can enroll the differential program "Management in Health Care" with a degree of the first cycle from one of the other study programs at Faculty of Health Sciences at Paneuropean University.

Extension of the second year of the DIFFERENTIAL program "Management in Health Care" actually represents enrolment in the second cycle of "Master Studies".

Year of study	Medical Laboratory Engineering - (studies of the first cycle in the period of three and four years)	ECTS
I	Sociology of Health and the Public Health System	5
	Academic skills with the Basics of Research Work in Health Care	5
	Statistical Methods (in Health Care)	6
	Physics with Biophysics	5
	Human Genetics	5
	Program of Elective Subject – Odd Semester	4
	Fundamentals of Anatomy and Histology	7
	Medical Biochemistry	6
	Physiology with Pathophysiology	7
	Chemistry	6
	Occupational Safety of medical staff	4
II	Microbiology with parasitology	6
	Fundamentals of pathology	6
	Informatics and computer technology	5
		5
	Foreign language – level I	4
	Program of Elective Subject – Odd Semester	4
	Epidemiology	5
	Fundamentals of pharmacology with toxicology	6
	Communicology (in health care)	5
	Clinical chemistry	6
	Foreign language – level II	4
	General laboratory practice	4
III	Hematology	7
	Immunology	6
	Nuclear medicine	5
	Clinical Microbiology	6
	Special laboratory practice	6
	Fundamentals of transfusiology	5
	Cytology	4
	Molecular biology and GMO	6
	Clinical and laboratory diagnostics	5
	General clinical and laboratory practice	10
IV	Health care management	5
	Technology management	5
	Fundamentals of environmental protection	4
	Propedeutics and health care in the clinical-hospital practice	7
	Special laboratory practice	9
	Organization of health care institutions	5
	Food additives and contaminants	4
	Ergonomics snd occupational medicine	5
	Radiology and imaging in health care	4
	Program of Elective Subject – Odd Semester	4
	Graduate/specialist thesis	8

Basic Studies and Scientific Fields

College is primarily engaged in the basic scientific fields of human-biology (anatomy, histology, embryology, physiology, genetics, cytology), microbiology, bio-chemistry, clinical-chemical and physical-functional fields of science, then in the area of general medical science, applied

Specialist fields

Health Care and Nursing - *Bachelor-Specialist of Health Care and Nursing (B.Sc.HCN) 240 ECTS (... in the field of ...)*

- Intensive medical and urgent care
- Nutrition and dietetics
- Infectology care
- Internal medicine patients care
- Pediatric care
- Surgical patients care
- Surgical instrument assistant
- Geriatric care
- Obstetric-gynecological care
- Primary medical care and family medicine
- Oncology patients care
- Psychiatric patients care
- Neurology care
- Ophthalmology care
- Radiological engineering
- Anesthesiologist assistant
- Dental assistant

Health Care Management - *Bachelor-Specialist of Health Care Management (B.Sc.HCM) 240 ECTS (... in the field of ...)*

- Specialist study in public health and health care
- Clinical and hospital institutions management
- Portfolio management of health funds and insurances
- Team development and communication skills in health care
- Human resource management and public relations
- Medical informatics and documentary

Physiotherapy and Occupational Therapy - *Bachelor-Specialist of Physiotherapy and Occupational Therapy (B.Sc.Physioth.&OT) 240 ECTS (... in the field of ...)*

- Physiotherapy in surgery and traumatology
- Physiotherapy in orthopedics
- Physiotherapy in cardiology and pulmonology
- Physiotherapy in sports medicine
- Physiotherapy in neurology
- Physiotherapy in pediatrics
- Physiotherapy in geriatrics
- Spa physiotherapy
- Community occupational rehabilitation
- Occupational therapy of psychosocial disorders
- Medical informatics and documentary

Sanitary Engineering - *Bachelor-Specialist of Sanitary Engineering (B.Sc.San.Eng.) 240 ECTS (... in the field of ...)*

- Nutrition and dietetics
- Environmental engineering
- Sanitary technology and water management
- Sanitary technology and food management
- Sanitary management and air management
- Sanitary technology and waste management
- Sanitary and environmental legislation and supervision

Medical Laboratory Engineering - *Bachelor-Specialist of Medical Laboratory Engineering (B.Sc.Med.Lab.Eng.) 240 ECTS (... in the field of ...)*

- Nutrition and dietetics
- Medical informatics and documentary

medical sciences, propedeutics and health care in different branches of medicine and clinical-hospital practice, pharmacology and toxicology, dietetics, geriatrics, epidemiology, medical and developmental psychology, sports medicine, social medicine, medicine history and ethics.

In the broader scientific field of physiotherapy and occupational therapy, college is primarily engaged in physical medicine and physiotherapy within various fields of medicine and clinical-hospital practice, kinesiology, kinesiometry and biomechanics, prosthetics and orthopedics, balneology, occupational therapy and rehabilitation in different types of diseases and disabilities, occupational therapy in community, occupational therapy in psychosocial disorders and ergonomics.

College is primarily engaged in the fields of laboratory medicine that are associated with the above-mentioned narrow scientific fields.

In the broader field of sanitary engineering, college is primarily engaged in the scientific fields of sanitary chemistry, parasitology, general and social ecology, environmental engineering and environment protection issues, drinking water technology and water management, physical-chemical and microbiological analysis of food in food preservation technology, analysis, control and protection of air, control and disposal of waste, sanitary and technical principles of construction and sanitary-environmental legislation and supervision.

College conducts interdisciplinary studies in the areas of health management and marketing, market operations and applied economics of health care institutions, health insurance and funds in the area of health, medical statistics, business and applicative information technology and organizational science in health care, as well as in the areas of communicational and administrative - documentary scientific fields and applied pedagogical studies in the field of health care.

College of Health Sciences

PAID STUDENT INTERNSHIP PROGRAM ABROAD

In addition to internships at health care institutions in RS and BiH, students of the College of Health Sciences with A2 level of German language have the opportunity to participate in a professional student internship program in nursing, implemented in collaboration with the partner institution Pflegedienst zum Dörfe GmbH from Schoeppingen. This is a paid student internship for a period of three months, and students who complete the internship receive a certificate of completed professional practice in the EU.

To The Top With House Of Jobs – scholarship, internship, employment

Partner of Apeiron HOUSE OF JOBS

In collaboration with a partner from FR Germany, the College of Health Sciences implements the TO THE TOP WITH HOUSE OF JOBS program.

Under this program, students have the opportunity to study German for free in Germany, to practice in Germany and to secure a job after completing their studies and passing the professional exam, and each year the two best students receive a one-time scholarship. The House of Jobs program provides full support to students who opt for this program, upon completing their studies, when seeking employment, accommodation and integration in Germany.

Our students in the direct process of patient rehabilitation

Students of the College of Health Sciences in practice at the Institute for Dystrophy, Slovenia

In the study program Physiotherapy and Occupational Therapy, the practice was provided at the Institute for Dystrophy in Slovenia, HTC Banja Vrućica Teslić, Banja Laktaši, Banja Kulaši and many other institutions.

By using interactive teaching - theory, practice and clinical practice, students are trained to deliver excellent results in the recovery of a patient in the rehabilitation process upon completion of their stu-dies.

Students of the Collegeof Health Sciences in practical classes in our physiotherapy cabinet

Institutions and companies that provide professional internships for students of Pan-European University "Apeiron"

1. Raiffeisen Bank Bosnia & Hercegovina (CMM)
2. Lanaco d.o.o., (CIT)
3. TeleGroup d.o.o (CIT)
4. Prointer IT Solution&Services (CIT)
5. Teleklik Internet&Solutins and DVC Solutions (CIT)
6. DVC Solutions d.o.o.(CIT)
7. BiH Indirect Taxation Administration, (CMM, CIT, LC, CHS)
8. Vitaminka a.d. Banja Luka (CMM)
9. Autoprevoz a.d. Banja Luka (CTTE, CMM, LC)
10. Euro-express d.o.o. (CTTE)
11. Republic Inspection Administration, Banja Luka, Banja Luka (CTTE,CMM,LC,CIT,CHS)
12. Institute of Civil Engineering-IG, Banja Luka (CTTE)
13. Finius d.o.o. Banja Luka (CMM)
14. University Clinical Center of the Republikc of Srpska (CHS)
15. Banja Vrućica Teslić (CHS)
16. Banja Laktaši (CHS)

17. Public Health Insistute of RS (CHS)
18. Vodovod a.d. Banja Luka (CHS)
19. Banja Luka City Olympic Pool (CSS)
20. FC "Karanovac" (CSS)
21. Public Institution "Borik Sports Center" Banja Luka (CSS)
22. Supreme CITness Studio, Banja Luka (CSS)
23. Zvjezdica Sports Center, Banja Luka (CSS)
24. Gema Dance Club, Banja Luka (CSS)
25. Pedagogical practice - elementary and secondary schools in the place of residence of the student, at the request of the College of Sports Sciences
26. Baroš Law Office, Banja Luka (LC)
27. Dalibor Mrša Law Office, Banja Luka (LC)
28. "Integra inženjering" d.o.o. Banja Luka (CTTE, LC, CMM, CIT)
29. Integral inženjering a.d. Laktaši (CTTE, LC, CMM, CIT)
30. Utility company "Park" a.d., Mrkonjić Grad (CMM, LC, CHS-SI)

31. MEDIA PRO d.o.o., Prijedor (CIT)
32. Technics Programme Engineering d.o.o. (T.P.E d.o.o) Laktaši (CIT)
33. Municipality Ribik (CMM,CIT,LC)
34. Way seved d.o.o., Banja Luka (CIT)
35. Robokids, Banja Luka, (CIT, CMM)
36. Jajce Alloy Whells, d.o.o. Jajce (CIT)
37. Eurobroker a.d. Banja Luka (CMM)
38. Sektor Security Banja Luka (CMM)

Internship abroad

39. Paid internship in FR Germany (CHS, CIT)
40. Terme Krka d.o.o. Novo Mesto (CHS)
41. Našiće General Hospital (CHS)
42. "Dr Josip Bencevic" General Hospital Slavonski Brod (CHS)
43. Thalassotherapia Opatija- Special Hospital for Medical Rehabilitation of Heart, Lung, and Rheumatism Dis-eases (CHS)
44. Home Dva Topola d.o.o. Izola, Slovenia (CHS)

College of Information Technologies

COLLEGE OF INFORMATION TECHNOLOGIES

FAKULTET INFORMACIONIH TEHNOLOGIJA
COLLEGE OF INFORMATION TECHNOLOGIES

Study programs

1. Information Technology Engineering
2. Computer Science Education
3. Computer Graphics and Multimedia
4. Information Technology Engineering
   a) *Programming and Software Engineering*
   b) *Cybersecurity and Information Protection*

Usmjerenje:

Academic studies of the first cycle - 180 ECTS
in the period of **3 years** *(6 semesters)*

Information Technology Engineering	**Bachelor of Computer Science and Information Technologies** - 180 ECTS
Computer Science Education	**Bachelor of Information Technologies and Technical Education** - 180 ECTS
Computer Graphics and Multimedia	**Bachelor of Multimedia & Graphics Computing - BSc.CM&G** - 180 ECTS
Information Technology Engineering	**Bachelor of Computer Science and Information Technologies** - 180 ECTS

Academic studies of the first cycle - 240 ECTS
in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

Information Technology Engineering	**Bachelor of Computer Science and Information Technologies** - 240 ECTS *(Specialist of Computer Science B.Sc.IT – spec. CS)*
Computer Science Education	**Bachelor of Computer Science Education** - 240 ECTS
Information Technology Engineering	**Bachelor of Computer Science and Information Technologies** - 240 ECTS *(in software engineering)* **Bachelor of Computer Science and Information Technologies** - 240 ECTS *(in cybersecurity)*

Master studies of the second cycle – 300 ECTS
in the period of 1 to 2 years *(2-4 semesters)*
- with Master Thesis Defense

Information Technology Engineering	**Master of Computer Science and Information Technologies** - 300 ECTS **Master of Computer Science and Information Technologies** - 300 ECTS *(... in the field of ...)*

PhD Studies of the Third Cycle - 480 ECTS
(3 years /6 semesters)

Study Programme	Information Systems in Communications and Logistics
Science field	- Engineering and Technology - Natural Science
Scientific field	- Computer and Information Sciences - Information Engineering - System Engineering
Academic Title	**Ph.D. in Computer Science** - 480 ECTS

Information Technology Engineering - *(studies of the first cycle in the period of three and four years)*	ECTS
Mundology	5
Philosophy of life (academic skills)	5
Statistical methods in management	6
Higher mathematics (general course)	6
Foreign language – level I	4
Discrete mathematical structures	5
Architecture of computer systems and networks	6
Business applications	4
Communicology (including information theory)	5
Foreign language – level II	4
Program of elective subjects	4+6
Fundamentals of theory of systems and management	5
Decision theory	4
System software (operating systems)	6
Principles of programming	5
Fundamentals of accounting	5
Databases	5
NET management – admin. and manag. of computer networks	5
Algorithms and data structures	5
Computer graphics and design	5
WEB programming and design	6
Program of elective subjects	5+4
Protection of computer and operating systems	6
Technology management	5
Information system design	5
Business intelligence	6
MbIS – Management of business information systems	4
Higher program.langu. and RAD tools – programming in VB	6
Electronic business	5
Internet marketing	4
Expert systems	6
Cyber law	4
Program of elective subjects	4+5
Software engineering with object-oriented programming	8
RDBMS (SQL administration & CASE tools)	8
Higher program.langu. and RAD tools – programming in C++	8
HCI – human-computer interaction	6
Multimedia	8
DSS – decision support systems	6
Program of elective subjects	6+4
Graduate/specialist thesis	6

(Year of study: I, II, III, IV)

Information Technology Engineering - *Bachelor of Information Technology - 240 ECTS (Specialist in the field of ...)*

Specialist fields

- Information System Design and Development
- Public Administration Information System Management
- Computer Network Administration and Management
- Software Engineering
- Electronic Business (E-commerce, E-banking, E-marketing)
- Computer Graphics and Design
- WEB Programming and Design
- Information Management
- IS Security Management – Crypto & Cyber Protection
- Computer System Architecture, Organisation and Maintenance
- Expert Systems

Year of study	Computer Science Education - (studies of the first cycle in the period of three and four years)	ECTS
I	Mundology	5
	Philosophy of life (academic skills)	5
	Physics with biophysics	5
	Higher mathematics (general course)	6
	Materials and processing technology	5
	Foreign language – level I	4
	Discrete mathematical structures	5
	Architecture of computer systems and networks	6
	Business applications (office programs)	4
	Fundamentals of road traffic and transport	5
	CAD – with basics of technical drawing	6
	Foreign language – level II	4
II	Fundamentals of theory of systems and management	5
	System software (operating systems)	6
	Principles of programming	5
	Fundamentals of mechanical engineering	5
	Fundamentals of electrical engineering and electronics	5
	Fundamentals of environmental protection	4
	Databases	5
	NET management – admin. and manag. of computer networks	5
	Algorithms and data structures	5
	Computer graphics and design	5
	Engineering chemistry and technological processes	4
	WEB programming and design	6
III	Contemporary pedagogy	5
	Didactic systems	6
	Information system design	5
	Renewable energy sources	4
	Fundamentals of civil engineering and architecture	5
	Modeling and designing	5
	HCI – human-computer interaction	6
	Higher program.langu. and RAD tools – programming in VB	6
	Methodology of teaching technical science and informatics	5
	Educational psychology	4
	E-Learning	5
	Pedagogical practice – demonstration classes	4
IV	Software engineering with object-oriented programming	8
	RDBMS (SQL administration & CASE tools)	8
	Higher program.langu. and RAD tools – programming in C++	8
	Pedagogical practice – demonstration classes	6
	Expert systems	6
	Multimedia	8
	DSS – decision support systems	6
	Program of elective subjects	4
	Graduate/specialist thesis	6

Basic Studies and Scientific Fields

College is primarily engaged in the basic scientific fields of computer science (programming basics, the theory of algorithms, computer system architecture and organization, operating systems, network computing, programming languages, software engineering - modeling, software analysis and design, software management, human-computer interaction, graphics and visualization, artificial intelligence, information management - the theory and practice of databases, relational and distributed databases, legal, ethical and professional aspects of computer science), the field of information technology (safety and information security, platform technology, administration and maintenance of IT systems, technical support), the field of information systems (system-analysis and logical design of IS, information system design, implementation of information systems, maintenance of information systems, the development of specific types of IS, distributed systems), the field of computer engineering (computer system engineering, networking and telecommunications) and in the secondary scientific fields which are also studied at the College, and which are the basis of interdisciplinary approaches: (mathematical analysis, discrete mathematical structures, the theory of algorithms, probability and statistics, numerical methods and operational research, general system theory, organization theory, decision theory, information theory, project management, educational informatics, cryptography, e-business, change management, human (interpersonal) relations and communication skills.

Programme of Elective Subjects:

WEB Services and Applications, Mobile Computing, IT Systems Administration and Maintenance, Enterprise Platform Technologies (Windows Server 2012 and SQL Server 2012), Fundamentals of Cryptography, CAD – with basics of technical drawing, Digital Photography, Computer Animation, Digital Editing with Advanced Studio Techniques, Television Advertising – Concepts and Techniques of TV Commercials, DTP – Digital Publishing, IS Public Administration – E-Government, Educational Information Systems Management, ERP Systems (Enterprise Resource Planning), Computer Project / Professional Practise, Graphic Design, Creative Writing (Scriptwriting / Screenwriting /Copywriting), Academic Writing – Theory and Practise in Academic Literacy, Quality Management in Education, Modern Pedagogy (*), Didactic Systems (*),Educational Psychology (*), Renewable Energy Sources, Social Ecology.

BIT ALLIANCE - Cooperation Agreement

Our study programs and the results we achieve in the field of IT Education have been recognized by Bit Alliance, a leading umbrella organization of BiH software industry, with which we have signed a Cooperation Agreement.

Bit Alliance is an association of the largest software companies with more than 1800 employees. The Alliance's primary goal is to develop lots of opportunities in the software industry market, thus creating positive business environment for further growth of BiH IT industry.

One of the core missions of Bit Alliance is to develop strong relationships with educational institutions aimed at improving educational programs for IT and providing more learning opportunities.

The signed contract refers to 3 segments of cooperation:
1. BITA4students lectures by IT professionals
2. CoderDojo programming school
3. Adjusting Apeiron curriculum to the needs of software industry.

http://bit-alliance.ba

* Electronic textbooks are provided for most subjects, except the textbooks that are being developed.

College of Information Technologies

FACULTY OF INFORMATION TECHNOLOGIES
three year study *(six semesters)*

Study program: **COMPUTER GRAPHICS AND MULTIMEDIA**

Vocation:
Bachelor of Multimedia & Graphics Computing - BSc.CM&G - 180 ECTS

Students will acquire the general and professional knowledge in the field of information and computer technology that are the basis for understanding and application in the computer graphics and multimedia, as well as the basis for vertical mobility in the fourth year of study, via the subjects: "Discrete Mathematical Structures", "Computer Systems and Networks Architecture ","System Software (Operating Systems) "," Principles of Programming "," Database "," Computer Networks Management"," Algorithms and Data Structures "," WEB Programming and Design ".

Major studies in the field of computer graphics, design, animation and multimedia include: "Vector Graphics and Design", "Raster Graphics and Design", "DTP Digital Publishing", "CAD Basics of Technical Drawing," "Digital Photography", "Computer Animation "3D Animation", "Multimedia".

| Computer Graphics and Multimedia - *(three-year study of the first cycle)*		ECTS
Year of study	Mundology	5
	Philosophy of life (academic skills)	5
	Graphic design	6
	Creative writing	6
	Foreign language – the first	4
−	Discrete mathemathics structures	5
	Computer system and networks architecture	6
	Business application	4
	Communicology (with theory of information)	5
	Foreign language – the second	4
	Elective course- even/odd semester	6+6
	System software (operative system)	6
	Multimedia content	5
	Visualization of propadanda message	4
	Principles of programming	5
	Processing and sound analysis	5
=	Data base	5
	Computer networking management	5
	Algorithms and data structures	5
	Vector graphics and design	5
	Cad- basics of technical drawing	6
	Elective course- even/odd semester	5+4
	Raster (bitmap) graphics and design	5
	Digital photography	4
	Computer animation	5
	3D animation	6
	Digital video editing	4
	Dtp- digital publishing	4
≡	Multimedia	6
	Internet marketing and e-business	5
	Tv advertising	5
	Advanced study technics and special effects	4
	Interactive digital tv	4
	Web programing and design	6

STUDENT TELEVISION AND STUDENT RADIO APEIRON provide students with a quality practical training in real TV and radio station conditions. Practice will also be organized at some other broadcasters and companies that are professionally involved in multimedia and computer graphics.

Given the very wide field of activity, there are possibilities of various models of employment in the field of multimedia and computer graphics, from the independent appearance on the global market to team work, the independent companies, and television production companies, radio stations, marketing agencies, film studios, any other types of employment related to the acquisition, production and post-production digital video format (image or sound), the realization of design concepts and solutions, computer animations, brand design, color grading, special effects, as well as self-employment or team work in order to develop all WEB forms and in general, any form of multimedia digital visual communication. Job opportunities are particularly interesting in the field of audiovisual media services, television and radio stations and broadcasters, both in our country and abroad.

COMPUTER
graphics and multimedia
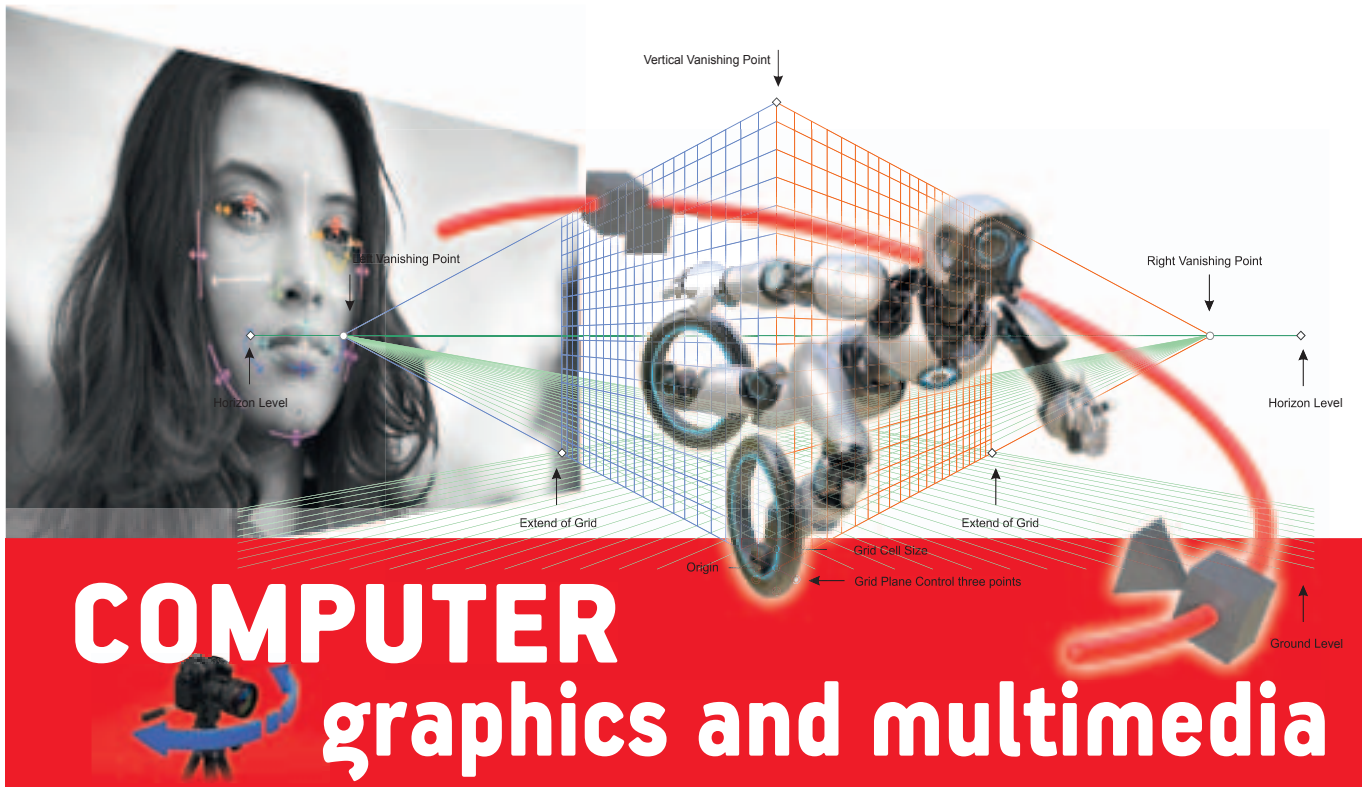
Students will master the advanced level of the specialized application of computer graphics and design in marketing, advertising, PR and promotion, studying "Visualization propaganda-Art direction", "Internet Marketing and e-Business", "TV Advertising", "Business Applications".

In the field of theoretical basis of design and creative writing, courses "Graphic Design", "Scriptwriting", "Multimedia Contents" enable students to write scripts, marketing communication and create Web content.

Courses "Digital Video Editing", "Processing and Sound Analysis", "Advanced Study Techniques and Special Effects," "Interactive Digital Television" train students to work on film and television, as well as in some other forms of production and post-production digital video form.

Students will master the advanced level skills for the use of software packages in the field of computer graphics and multimedia: Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver, Adobe Premiere, Adobe Flash, Adobe Acrobat, Adobe Affter Effects, Adobe InDesign, Adobe Au-dition, Adobe SpeedGrade, Sony SoundForge, Sony AcidPro, WaveLab, Drawing on Digital Tables, Digital Photo Processing, Technical Drawing with CAD technology, Microsoft Office, HTML & CSS, JavaScript, PHP...

Distance Learning System

It provides access to all lectures and exercises held in the form of video (recorded video lectures). Access to Distance Learning System is free of charge and is included in the tuition (e-books, lectures recording, audio recordings, electronic presentation of the course content, video clips, access to licensed databases...)

TV Channel - first academic television in BiH

APEIRON TV

Pan-European University "APEIRON", in order to increase the quality of services provided to students within the framework of regular course of study as well as distance learning, Pan-European University "APEIRON" has implemented the platform both for IP television and IP radio via which educational and academic videos are broadcasted in real time, and audio content respectively. The platform itself is additionally used for the delivery of video content of the recorded lectures within the Learning Cubes 4.0 distance learning system.

Pan-European University "APEIRON" broadcasts in digital format, as an interactive IP television, academic and educational-documentary television program via internet TV Channel "APEIRON TV Channel" on the WEB site www.apeiron-uni.tv. APEIRON TV Channel is an open program internet, radio and TV channel which is pointed toward common users and students, but also to all intellectually curious viewers of a new television generation. From this project can benefit not only do Pan-European University students benefit from this project, but also young, creative and enterprising partners from academia and society.

Academic television channel APEIRON TV is a project of students and experts from the Pan-European University by which the following program activities are developed:

- news program dedicated to the events at the Pan-European University and in the academic community in Banja Luka, B&H and abroad;
- educational and scientific program dedicated to contemporary scientific and technological forms;
- facilities that contribute to the knowledge transfer, distance learning and life-long learning;
- the program "Quality of Life" dedicated to the quality of life with content related to the improvement of man's humanity and habitat, current trends, environment preservation, sustainable development, nutrition, healthy life, active physical exercising, developing and nurturing of mental health, social psychology;
- podcasting and webcasting of flash news dedicated to technology, regional political events, sports and art;
- collection, processing and publication of video and audio material, texts, photography, production and post-production of internet-radio and TV shows, as well as collection of video and photo material from mobile phones;
- documentaries dedicated to the academic community in our immediate and distance area, the European Union and local communities;
- student interdisciplinary and multimedia works;
- broadcasting of alternative film contents;
- content related to music and sports which corresponds to the interests of young people;

- within the academic TV channel, an international "pool" of academic exchange of audio and video content, documentary program, and educational-scientific program is being developed;
- within the academic TV channel, interactive media and digital technology of internet broadcasting and media integration in TV production is being explored.

As a television of youth and creativity, and a kind of workshop of modern digital audio and video technology, and as a place for promoting the improvement of higher education, APEIRON TV Channel encourages investigative journalism, scientific (research) work of students and young people and the development of modern interactive media.

studentski radio APEIRON

The Apeiron Student Radio started working in 2014 as an Internet radio. It is equipped with the top quality equipment and broadcasts 24-hour entertainment and educational programmes. The program schedule is largely based on the playlists created by an experienced music editor.

On the other hand, we broadcast several copyright radio shows thematically dealing with different music genres and outstanding artists, and some of them are: EX YU Jukebox, Mini Portrait, Musical Globe, Sweet Soul Music, and Interesting Facts on Fridays.

The radio studio that is equipped with the modern equipment provides an excellent support to practical teaching of selected multimedia subjects in which digital sound plays an important role. In these Nowadays, the radio studio has become a kind of musical laboratory in which students master the technique of collecting, processing and publishing digital sound format in an interesting and creative way.

In special cases, the radio studio is used for demonstrational purposes of simultaneous interpretation, where students of the College of Philology by using professional audio equipment study translation techniques in real time, with the possibility to record and playback the recorded material. In the controlled conditions, the audio books that are intended for distance learning students are also recorded.

The Apeiron Student Radio can be accessed from the home page of the University with a link to the IP radio or directly through the link: http://www.apeiron-uni.eu/radio/

MICROSOFT SKILLS CENTER

IMPLEMENTATION OF PROJECTS AT APEIRON PAN-EUROPEAN UNIVERSITY, BANJA LUKA

- The Microsoft Skills Centre is a project of free IT training aimed at acquiring specialized knowledge for students and young people who are unemployed, which is implemented at 3 universities in Bosnia and Herzegovina.

- Pan-European University APEIRON is the only and main Microsoft Skills Centre in the Republic of Srpska. The founders of the Skills Centre are MSCommunity of Bosnia and Herzegovina and Microsoft companies in Bosnia and Herzegovina. This is so far the largest Microsoft project in Bosnia and Herzegovina.

- The labour market analysis has established that there is a deficit of staff in the IT field. 240 young people in three cities are educated free-of-charge through this project. These young people have an opportunity to improve existing knowledge and skills in the IT segment, acquire new knowledge and skills and more easily get a job in the IT field.

- After the specialized training, attendees are given the chance to take a free exam and acquire a Microsoft certificate.

- All details related to the terms, lecturers and lectures are available at http://skills-center.azurewebsites.net/. The lectures are given by the certified lecturers provided by Microsoft Bosnia and Herzegovina. The precondition for the attendance is a basic IT knowledge in IT field.

- In addition to the Pan European University, the Faculty of Economics and the Faculty of Electrical Engineering, University of Sarajevo, Faculty of Information Technology in Mostar and the University of Mostar have been selected to implement the project. The universities were selected by Microsoft BiH, which took in-to account the credibility of the institutions, previous cooperation, facilities and technical equip-ment necessary for the implementation of such a large and serious project.

- When launching this project, an analysis of the needs of employers for specialized IT knowledge was made. Based on this analysis, the decision was made that specialized classes shall cover the ar-ea of programming, IT project management, Clouding, work with servers and databases.

- Students will use this project to gain a better chance for employment in the IT industry, particularly, if they demonstrate the necessary knowledge and acquire some of the internationally recognized Microsoft certificates.

- After the completion of this project, Pan-European University APEIRON, as an authorized Microsoft IT Academy, continues regular specialized training of Microsoft training attendees and as an authorized Pearson VUE and Certiport test centre allows taking exams and obtaining of certificates in some IT areas.

COLLEGE OF INFORMATION TECHNOLOGIES

INFORMATION TECHNOLOGY ENGINEERING

*First cycle basic academic studies for a total of **3 years** (6 semesters) - **180 ECTS***

Title: **Bachelor of Computer Science & Information Technologies**
- 180 ECTS *(BSc CS&IT)*

*First cycle basic academic studies for a total of **4 years** (8 semesters) - **240 ECTS** with the following courses:*

a. **Programming and Software Engineering**

Title: **Bachelor of Computer Science & Information Technologies in Software Engineering** - 240 ECTS

(BSc CS&IT - spec in software engineering)

b. **Cybersecurity and Information Protection**

Title: **Bachelor of Computer Science & Information Technologies in Cybersecurity** - 240 ECTS
(BSc CS&IT - spec. in cybersecurity)

NOTE: *Additional determinations with the basic title are given to the graduates in the four-year study depending on the chosen orientation in the fourth year of study in accordance with Art. 12 of the Law on Titles Acquired in Higher Education in the Republic of Srpska. Off. Gazette of RS No. 33/14.*
Students can choose the courses:
- *Programming and Software Engineering;*
- *Cybersecurity and Information Protection.*

Models of employment

Given the vast field of activity, many employment models are possible in the field of software engineering and cybersecurity, from freelance to team work, independent ICT companies, prestigious support jobs, deployment, development and maintenance of information technologies and assets in small, medium and large corporations. Jobs in the field of information and communication technologies are among the most sought after jobs in the global labor market. The advantage of these jobs is that they have the highest level of transparency in relation to the synchronization of time and space, since a large part of these jobs can be done from remote locations and as highly creative jobs have a high level of independence and autonomy.

Year of study	**Programming and Software Engineering** - *(three-year and four-year first cycle studies)*	**ECTS**
I	Philosophy of Life (academic skills)	5
	Statistical Methods (in the field of management)	6
	Higher Mathematics (general course)	6
	Fundamentals of Electrical Engineering	5
	Foreign language - level I	4
	Discrete Mathematical Structures	5
	Architecture and Organization of Computer Systems	6
	Algorithms and Data Structures	5
	Communicology (with Information Theory)	5
	Foreign language - level II	4
	Elective program - odd/even semester	4+5
II	Principles of Programming	5
	Decision Theory	4
	System Software (Operating Systems)	6
	Lower Programming Languages and Program Translators (machine language, assemblers, compilers & interpreters)	5
	Information System Design	5
	Databases	5
	Network Computing	5
	Higher Program Languages and RAD Tools	6
	Computer Graphics and Design	5
	WEB Programming and Design	6
	Elective program - odd/even semester	5+3
III	Advanced Computer Networks	5
	Computer and Business Systems Protection	6
	Internet of Things	5
	Object-oriented Programming (with Java application)	6
	Enterprise Platform Technologies (Windows Server 2016 and SQL Server 2016)	4
	Business Applications	4
	Multimedia	6
	Script Languages and Programming	5
	Simulations and Simulation Languages	6
	Cyber Law	4
	Elective program - odd/even semester	4+5
IV	Software Engineering	8
	RDBMS (SQL administration & CASE tools)	8
	C++ Programming	8
	Competitive Computing - Distributed Programming	6
	HCI - Human-Computer Interaction	6
	Programming of Internet Applications and WEB Services	6
	Mobile Computing	5
	Competitive Computing – Parallel Programming	5
	Graduate/specialist thesis	8

Elective program "Programming and Software Engineering":

Mundology, Fundamentals of Systems and Management Theory, Fundamentals of Accounting, Technology Management, Business Intelligence, MbIS - Business Information Systems Management, E-commerce, Internet Marketing, Expert Systems, Decision Support Systems (DSS), Software Project Management, Real Time Programming, API Programming, Software Construction and Design, IT System Administration and Maintenance, Artificial Intelligence.

Elective program "Cybersecurity and Information Protection":

SMART Cards in the Information Security System, Electronic Business Security Systems, Modern Cryptographic Security Systems, Electronic Identity Management, Social and Personal Aspects of Security, Device and Internet of Things Security, WEB Security.

College of Information Technologies

Cybersecurity and Information Protection
- (three-year and four-year first cycle studies)

Year of study	Subject	ECTS
I	Philosophy of Life (academic skills)	5
	Statistical Methods (in the field of management)	6
	Higher Mathematics (general course)	6
	Fundamentals of Electrical Engineering	5
	Foreign language - first	4
	Discrete Mathematical Structures	5
	Architecture and Organization of Computer Systems	6
	Algorithms and Data Structures	5
	Communicology (with Information Theory)	5
	Foreign language - second	4
	Elective program - odd/even semester	4+5
II	Principles of Programming	5
	Fundamentals of Cryptography	5
	System Software (Operating Systems)	6
	Lower Programming Languages and Program Translators (machine language, assemblers, compilers & interpreters)	5
	Information System Design	5
	Databases	5
	Network Computing	5
	Higher Program Languages and RAD Tools	6
	PKI (Public Key Infrastructure) Systems	5
	WEB Programming and Design	6
	Elective program - odd/even semester	4+3
III	Advanced Computer Networks	5
	Computer and Business Systems Protection	6
	Internet of Things	5
	Object-oriented Programming (with Java application)	6
	Enterprise Platform Technologies (Windows Server 2016 and SQL Server 2016)	4
	Malware - Cyber Threats and Attacks and Defence Technology (Malware Analysis)	4
	Cryptographic Security Architecture in Modern Computer Networks	6
	Script Languages and Programming	5
	WEB Security	6
	Cyber Law	4
	Elective program - odd/even semester	4+5
IV	Software Engineering	8
	Computer Forensics	8
	C++ Programming	8
	Stored Data and Cloud Forensics	6
	Electronic and mobile banking systems	6
	Programming of Internet Applications and WEB Services	6
	Mobile Computing	5
	Mobile forensics	5
	Graduate/specialist thesis	8

Overview of MOC Microsoft Official Courses by subjects

Subject title	Semester	MOC Microsoft Official Course title
Principles of Programming	III	Course: 98-361 Software Development Fundamentals
System Software (Operating Systems)	III	Course: 98-349 Windows Operating System Fundamentals
Databases	IV	Course: 70-762 Developing SQL Database
Network Computing	IV	Course: 98-366 Networking Fundamentals
Higher Program Languages and RAD Tools	IV	Course: 98-361 Software Development Fundamentals (VB)
WEB Programming and Design	IV	Course: 98-383 Introduction to Programming Using HTML and CSS
Advanced Computer Networks	V	Course: 98-369 Cloud Fundamentals
Computer and Business System Protection	V	Course: 98-367 Security Fundamentals
Object-oriented Programming (with Java application)	V	Course: 98-375 HTML5 Application Development Fundamentals
Enterprise Platform Technologies (Windows Server 2016 and SQL Server 2016)	V	Course: 98-364 Win. Srv. Administration Fundamentals Course: 98 365 Database Fundamentals
Malware - Cyber Threats and Attacks and Defense Technology (Malware Analysis)	VI	Course: 98-367 Security Fundamentals
Cryptographic Security Architecture in Modern Computer Networks	VI	Course: 70-744 Securing Windows Server
Business Applications	VI	Course: 70-346 Managing Office 365 Identities and Requirments
Script Languages and Programming	VI	Course: 98-381 Introduction to Programming Using Pyton
Introduction to Risk Analysis and Information Security Management Systems	VI	Course: 70-742 Identity with Windows Server
Cyber Law	VI	Course: 98-367 Security Fundamentals
Software Engineering	VII	Course: 74-343 Managing project with Microsoft project
RDBMS (SQL Administration & CASE Tools)	VII	Course: 70-462 Administring Microsoft SQL Server
C++ Programming	VII	Course: 70-483 Programming in C#
Programming of Internet Applications and WEB Services	VIII	Course: 98-375 HTML5 Application Development Fundamentals
Mobile Computing	VIII	Course: 70-357 Developing Mobile Apps

Collaboration with Microsoft on program implementation

Pan-European University APEIRON and MICROSOFT have had excellent cooperation in many fields for many years. As one of the first Microsoft IT Academy Program members in this area, Microsoft Academy is successfully implemented within the University, through which students obtain certificates in various fields of IT technologies, under the auspices of this successful global company. The membership of the University in this educational Microsoft program was personally signed by Steve Ballmer, and continued successful cooperation was confirmed by current CEO Satya Nadella.

The highlight of the collaboration is the signing of a Memorandum of Understanding, which ensured Microsoft's involvement in the development and implementation of the Information Technology Engineering study program. The memorandum stipulated, among other things, that Microsoft educational courses will be included in the study program in terms of conducting exercises, seminars, practicums and pedagogical workshops and preparing students for professional development, and will cover the following areas: fundamentals of software development, application development, Cloud technologies, business intelligence, computer security, networking and network technologies, database development, implementation of Windows platform technologies, programming and application development in HTML5 with JavaScripts and CSS3 technologies, development of ASP.NET, MVC Web applications, as well as administration, networking and identity maintenance with Windows server technology. Academic collaboration will also include Microsoft Business Competitiveness Technology, Microsoft Dynamics, and Microsoft Project.

Microsoft Certified Trainers are included in the hands-on part of the class, where, after the lectures and exercises have been completed, students have the opportunity to take exams and obtain Microsoft certification for free in selected areas.

College of Sport Sciences

College of Sport Sciences *(side tab)*

Study programs

1. Sports Management
2. Sports Training & Coaching
3. Sport Science Education

Academic studies of the first cycle - 180 ECTS
in the period of **3 years** *(6 semesters)*

| Sports Management | **Bachelor of Sports Science in Sports Management** - 180 ECTS |
| Sports Training & Coaching | **Bachelor of Sports Science in Sports Training & Coaching** - 180 ECTS |

Academic studies of the first cycle - 240 ECTS
in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

Sports Management	**Bachelor of Sports Science in Sports Management** - 240 ECTS *(Specialist in the field of ... / B.Sc.Sport Mng.)*
Sports Training & Coaching	**Bachelor of Sports Science in Sports Training & Coaching** - 240 ECTS *(Specialist in the field of ... /B.Sc.Sport Coch.)*
Sport Science Education	**Teacher of Physical Education** - 240 ECTS *(... in the narrow field of ... / specialist degree)*

Master studies of the second cycle – 300 ECTS
in the period of 1 to 2 years *(2-4 semesters)*
- with Master Thesis Defense

| Sports Management | **Master of Sports Management** - 300 ECTS |
| Sport in Target Groups | **Master of Sports Science** - 300 ECTS |

Basic Studies and Scientific Fields

College is primarily engaged in the basic scientific fields of sports sciences: biological and medical sports basics, biomechanics and anthropomotorics, statistics, computer science and methodology in sport, pedagogy and psychology of sport and exercise, sociology, philosophy and ethics of sport, economics and sports management, sports theory and science of training, individual sports and sports fields, rhythmic gymnastics and dance, basic motor activities, sports and recreation activities in nature, and sports in selected target groups, as well as in the secondary scientific fields studied at the College, which are the basis of an interdisciplinary approach: sports medicine, sports tourism and wellness, pharmacology and toxicology, nutrition and dietetics, physical medicine and rehabilitation, sports massage, balneology.

Programme of Elective Subjects:

Fitness and Workouts, Sports and Recreation of Person with Disabilities, Sports Organisations Management.

Sports Management - (studies of the first cycle in the period of three and four years)	ECTS
Year I	
Mundology	5
Philosophy of life (academic skills)	5
Informatics and computer technology	5
Theory of sports	5
Foreign language – level I	4
Psychology of sport	6
Fundamentals of anatomy	5
Communicology	7
Physiology (with physiology of sport)	5
Sports management	7
Program of elective subjects	6
Year II	
General anthropomotorics	6
Fundamentals of biomechanics (with kinesiology)	5
Statistics – statistical methods in sports	6
Microeconomics (with economics of sports)	5
Foreign language – level II	4
Program of elective subjects	4
Theory of sports training	6
Organization and management of marketing (in sports)	5
Human resource management	5
Phenomenology of sports	4
Program of elective subjects – MODULE – 1	10
Year III	
Fundamentals of theory of systems and control	5
Securities	5
Decision theory	4
Management of sports facilities and events	6
Program of elective subjects – MODULE – 2	10
Strategic and business management in sports	6
Marketing management of public relations	4
Business finance	5
Pedagogy of sport and training	5
Program of elective subjects	10
Year IV	
Review of sports	5
Sports medicine	6
Investment management	7
Sports tourism and wellness	6
Electronic business	5
Methodology of educational work (in sports)	5
Marketing management research	6
Entrepreneurship and entrepreneurial economy	5
Program of elective subjects	6+4
Graduate/specialist thesis	5

College of Sport Sciences

Sports Training & Coaching
- (studies of the first cycle in the period of three and four years)

Year of study	Subject	ECTS
I	Mundology	5
	Philosophy of life (academic skills)	5
	Informatics and computer technology	5
	Theory of sports	5
	Foreign language – level I	4
	Psychology of sport	6
	Fundamentals of anatomy	5
	Communicology	7
	Physiology (with physiology of sport)	5
	Sports management	7
	Program of elective subjects	6
II	General anthropomotorics	6
	Fundamentals of biomechanics (with kinesiology)	5
	Statistics – statistical methods in sports	6
	Physical preparation in selected sports	5
	Foreign language – level II	4
	Theory of sports training	6
	Fundamentals of pharmacology and toxicology (doping in sport)	6
	Sports tourism and wellness	6
	Phenomenology of sports	4
	Program of elective subjects	4+8
III	Fundamentals of theory of systems and control	5
	Sports medicine	6
	Decision theory	4
	Management of sports facilities and events	6
	Program of elective subjects – MODULE – 1	9
	Diagnostics, testing, and measurement in the elected branch of sport	6
	Nutrition, nutritional therapy, and dietetics	5
	Technique and methodology of the elected sport	5
	Tactics of the elected sport	5
	Pedagogy of sport and training	9
IV	Fundamentals of physical medicine and rehabilitation	7
	Balneology	5
	Organization and management of marketing (in sports)	5
	Program of elective subjects – MODULE – 2	9
	Pedagogical practice in a sports club	4
	Medical massage	5
	Human resource management	5
	Methodology of educational work (in sports)	5
	Strategic and business management in sports	6
	Program of elective subjects	4
	Graduate/specialist thesis	5

The area of employment

- Professional and managerial positions in sports federations, clubs and international sports organizations;
- School facilities and other institutions that formally and informally educate students;
- Management, collaboration and consultation in sports organizations in the sport areas of: people with special needs (disabled, etc.), recreational groups, corporate sport, fitness centers;
- Sports management activities in regional institutions;
- Coaching positions in the areas of professional sport, prestigious sport, health sport;
- Coaching positions in the areas of wellness, recreation, youth sport;
- Sports journalism (the establishment of specifically practicing information);
- Position in regional and local sports institutions (sports officers, etc.).

* Electronic textbooks are provided for most subjects, except the textbooks that are being developed.

Sports Science Education
- (studies of the first cycle in the period of three and four years)

Year of study	Subject	ECTS
I	Mundology	5
	Philosophy of life (academic skills)	5
	Informatics and computer technology	5
	Theory of sports	5
	Foreign language – level I	4
	Psychology of sport	6
	Fundamentals of anatomy	5
	Communicology	7
	Basketball	5
	Sports management	5
	Practicum in the elected sport	6
	Program of elective subjects	2
II	General anthropomotorics	6
	Biomechanics with kinesiology	5
	Statistical methods in sports	6
	Rhythmic gymnastics and dance	4
	Skiing	5
	Foreign language – level II	4
	Physiology (with physiology of sport)	7
	Sports medicine	6
	Pedagogy of sport and training	5
	Phenomenology of sports	4
	Swimming and water sports	5
	Practicum in the elected sport	3
III	Corrective gymnastics	4
	Sport gymnastics	6
	Volleyball	5
	Handball	5
	Martial arts	5
	Methodology of educational work (in sports)	5
	Athletics	6
	Sports activities in nature	4
	Theory of sports training	6
	Program of elective subjects	5+5
	Pedagogical practice in a school institution	4
IV	Review of sports	5
	Sports recreation	5
	Football	5
	Management of sports facilities and events	6
	Skiing – advanced course	5
	Pedagogical practice in a school institution,	4
	Fundamentals of pharmacology and toxicology	6
	Sports tourism and wellness	6
	Diagnostics in sport	4
	Nutrition, nutritional therapy, and dietetics	6
	Graduate/specialist thesis	8

Academic titles are standardized by the act "The nomenclature of professional, academic and scientific titles", in accordance with the legal regulations for this area. The curriculum is approved by the University Senate.

College of Philology

College of Philology

FAKULTET FILOLOŠKIH NAUKA
ΛΟΓΟΣ
LOGOS

Study programs

1. Teaching and Translation study program of Russian Language
2. Russian Language

Academic studies of the first cycle - 180 ECTS
in the period of **3 years** *(6 semesters)*

Teaching and Translation study program of Russian Language	**Russian Language Professor-Translator** - 180 ECTS

Academic studies of the first cycle - 240 ECTS
in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

Russian Language	**Teacher of Russian Language and Literature - Interpreter** - 240 ECTS **Teacher of Russian Language and Literature - Interpreter** - 240 ECTS *(Prof.Russ.Phil.&Litt.)*

Master studies of the second cycle – 300 ECTS
in the period of 2 years *(2-4 semesters)*
- with Master Thesis Defense

Russian Language	**Master of Russian Language and Literature - 300 ECTS**

Students who have completed a three-year study of the study program "Teaching and Translation of Russian language" have the possibility to continue their studies in the fourth year of the study program "Russian Language" and to obtain the academic title "Teacher of Russian Language and Literature" - 240 ECTS (secondary school teacher).

Upon completion of studies, students can successfully position themselves in the labor market: in the oil industry, corporate systems, monitoring and inspection services, professional institutions, cultural institutions, design offices, insurance companies, and in elementary schools (Teaching and Translation study program). Among individual professions, court interpreters and internation-al correspondents dominate.

Programme of Elective Subjects:

Linguocultural Studies, Theory of Literature , Fundamentals of Comparative Literature, English – Level I, English – Level II, English – Level III, English – Level IV, Russian – Level I, Russian – Level II, Russian – Level III, Russian – Level IV, German – Level I, German – Level II, German Level III, German – Level IV, Italian – Level I, Italian – Level II, Italian – Level III, Italan – Level IV, Slovenian – Level I, Slovenian – Level II, Greek – Level II, Standard Serbian (1) (Serbian as a foreign language), Latin.

Year of study	Teaching and Translation study program of Russian Language - *(studies of the first cycle in the period of three years)*	ECTS
I	Philosophy of life (academic skills)	5
	General linguistics	4
	Russian language (1)	
	• Phonetics of the Russian language (1)	4
	• Fundamentals of Russian grammar (1)	4
	• Practical exercises in the Russian language (1) – elementary course (speaking exercises + text analysis + translation in both languages)	3
	• Practical exercises in the Russian language (1) – pre-intermediate course (speaking exercises + text analysis + writing exercises + translation in both languages)	3
	Introduction to Slavic studies	3
	First foreign (Western European) language (elementary course)	4
	Russian language (1)	
	• Phonetics of the Russian language (2)	5
	• Fundamentals of Russian grammar (2)	5
	• Practical exercises in the Russian language (1) – intermediate course (speaking exercises + lexical exercises/translation in both languages + writing exercises)	3
	Theory and techniques of translation (1) – general context	5
	Russian civilization and culture	4
	Practical exercises in translation (1)	4
	First foreign (Western European) language (advanced course)	4
II	Russian language (2)	
	• Morphology of the Russian language (1)	5
	• Practical exercises in the Russian language (2) – intermediate course (speaking exercises + lexical exercises/translation in both languages +writing exercises)	4
	Theory and techniques of translation (1) – business context	5
	Overview of Russian literature of the 19th and 20th century	4
	Standard Serbian language (1)	4
	Second Slavic language (1)	4
	Second foreign (Western European) language (pre-intermediate course)	4
	Russian language (2)	
	• Morphology of the Russian language (2)	5
	• Practical exercises in the Russian language (2) – upper-intermediate course (speaking exercises + lexical exercises/translation in both languages +writing exercises)	4
	Theory and techniques of translation (3) – professional and technological context	5
	Communicology	4
	Contemporary Serbian language (2)	4
	Practical exercises in translation (2)	4
	Simultaneous and consecutive interpreting (1)	4
III	Russian language (3)	
	• Syntax of the Russian language (1)	5
	• Practical exercises in the Russian language (3) – advanced course (speaking exercises + lexical exercises/translation in both languages +writing exercises)	4
	Contemporary pedagogy	5
	Informatics and computer technology	5
	Russian business communication	4
	Revision and proofreading of texts	3
	Program of elective subjects	4
	Russian language (3	
	• Syntax of the Russian language (2)	5
	• Practical exercises in the Russian language (4) – advanced course (speaking exercises + lexical exercises/translation in both languages +writing exercises)	4
	Stylistics of art literature	4
	Methodology of teaching Russian language	4
	Literary translation	5
	Simultaneous and consecutive interpreting (2)	4
	Program of elective subjects (demonstration classes/pedagogical practice)	4

College of Philology

Russian Language - *(studies of the first cycle in the period of four years)* Professor of Russian Language and Literature - 240 ECTS	ECTS
Philosophy of life (academic skills)	5
General linguistics	4
Russian language (1)	
• Phonetics of the Russian language (1)	4
• Fundamentals of Russian grammar (1)	4
• Practical exercises in the Russian language (1) – elementary course	3
• Practical exercises in the Russian language (1) – pre-intermediate course	3
Introduction to Slavic studies	3
First foreign (Western European) language (elementary course)	4
Russian language (1)	
• Phonetics of the Russian language (2)	5
• Fundamentals of Russian grammar (2)	5
• Practical exercises in the Russian language (1) – intermediate course	4
Slavic studies	3
Russian civilization and culture (1)	4
Old Russian literature to the 18th century	5
First foreign (Western European) language (advanced course)	4
Russian language (2)	
• Morphology of the Russian language (1)	5
• Practical exercises in the Russian language (2) – intermediate course	4
Russian civilization and culture (2)	4
Russian literature of the 19th century (1)	5
Contemporary Serbian language (1)	4
Second Slavic language (1)	4
Second foreign (Western European) language (elementary course)	4
Russian language (2)	
• Morphology of the Russian language (2)	5
• Practical exercises in the Russian language (2) – upper-intermediate course	4
Russian literature of the 19th century (2)	5
Communicology	4
Contemporary Serbian language (2)	4
Second Slavic language (2)	4
Second foreign (Western European) language (pre-intermediate course)	4
Russian language (3)	
• Syntax of the Russian language (1)	5
• Practical exercises in the Russian language (3) advanced course	4
Contemporary pedagogy	5
Informatics and computer technology	5
Old Slavic language (1)	4
Second Slavic language (3)	3
Program of elective subjects	4 + 4
Russian language (3)	
• Syntax of the Russian language (2)	5
• Practical exercises in the Russian language (4) – advanced course	4
History of the Russian language (1)	5
Old Slavic language (2)	4
Second Slavic language (4)	3
Russian literature of the 20th century	5
Russian language (4)	
• Stylistics of the Russian language	4
• Speaking exercises of the Russian language (1)	3
History of the Russian language (2)	4
Russian literature – Russian drama	5
Methodology of teaching Russian language	4
Teaching practice – demonstration classes	4
Program of elective subjects	6
Russian language (4)	
• Stylistics of art literature	4
• Lexicology and phraseology of the Russian language	3
Pedagogical psychology	4
Didactic systems	6
Professional practice – studying in Russia	3
Graduate/specialist thesis	10

(Year of study: I, II, III, IV)

Students acquire knowledge at a level that allows active use of the Russian language, the use of scientific literature in Russian and in some other Slavic languages, understanding and interpretation of literary texts. Students also develop the ability to link knowledge gained in the field of Russian disciplines, as a narrow scientific field, to a wider social and cultural context, and create critical thinking on the problems in this area.

In addition to the above mentioned, students of both study programs will have the following competences:
- ability of continuous improvement of the general level of the Russian language usage, in written and oral form;
- gaining universal habits of translating;
- studying translation strategies and models;
- active practical application of the theoretical knowledge acquired in the field of cross-language and cross-cultural communication;
- working with special terminology and expanding of terminology apparatus in a specific professional area;
- practical work with texts from a particular narrow profession;
- improvement of the skills in the usage of the Russian language in different language (functional) styles.

Students of the Teaching and Translation study program master the latest translation technologies, information technologies in the service of translation, acquire professional skills of interpreting and translation.

The program further allows to apply the knowledge gained in working with different types of text, its translation and editing, to acquire the skills of simultaneous interpretation, business communication skills in Russian language, and preparation of documentation.

Courses are taught by the professors of the Department of Russian Language and Literature of the College of Philology, Pan-European University "Apeiron", as well as by the highly qualified specialists of the MGU Translation School and St. Petersburg Translation School, with whom the University has signed agreements on long-term cooperation, experts in the field of theory and practice of translation with personal experience in the field of interpreting and translation, i.e. scientific-technical, socio-political, and literary translation. Our professors in the Department of Russian Language and Literature have been cooperating for many years with the MGU Transla-tion School, since their establishment in 2005, and every year, they participate in international conferences on translation, organized by this school.

Pan-European University "Apeiron" has signed an agreement on educational, scientific, and aca-demic cooperation with the prestigious "LOMONOSOV" Moscow State University.

Teacher of Russian Language and Literature - Interpreter - 240 ECTS (Prof.Russ.Phil.&Litt.)	
Russian language (4)	
• Stylistics of the Russian language	4
• Speaking exercises of the Russian language (1)	3
History of the Russian language (2)	4
Russian literature – Russian drama	5
Confrontational grammar of the Russian and Serbian language	3
Russian business communication (1)	3
Theory of translation	4
Program of elective subjects	4
Russian language (4)	
• Stylistics of art literature	4
• Lexicology and phraseology of the Russian language	3
Comparative Russian-Serbian versification	4
Russian business communication (2)	3
Poetics of literary translation	3
Professional practice – studying in Russia	3
Graduate/specialist thesis	10

(Year of study: IV)

College of Philology

Cooperation With Other Higher Education Institutions

Owing to the way of implementation of the Bologna process, continuous efforts and work to improve the quality of higher education, hard-working students, and devoted teachers, "Apeiron" has become a preferred partner for cooperation with prestigious universities of the Russian Federation, China, and the neighboring countries.

Considering the fact that University "Apeiron" has been committed to the expansion of the Russian Language for 10 years, especially through the work of the College of Philology, in a very short period of time it has signed agreements on cooperation with Moscow State Regional University, Lipetsk State University, and Tambov State University. According to these agreements, students of the signatory universities have to finish the first three years of study at their home university, but the fourth year can be completed at the "partner university". The result is a double degree – a degree from Pan-European University and one from the aforementioned universities. The double-degree program sets University "Apeiron" as a leader among the other universities in the region.

A Cooperation Agreement signed between Apeiron University and Jiaotong University in Beijing, October 2014

Not only students of the College of Philology, but also students of the College of Modern Management and College of Information Technologies may acquire double degrees.

Students of the College of Philology are already staying and studying in Russia. At M. V. Lomonosov Moscow State University, with which the university also cooperates, students of the College of Philology learn Russian, learn about the Russian culture, but also participate actively in international conferences and present their works in front of foreign academic audience.

A Cooperation Agreement entered into with the Lodz University of Social Sciences, Poland, November 2015

So far, 40 students have gone on to continue their education at all the mentioned universities in Russia.

In December 2016, the College of Philological Sciences of Pan-European University with the Siberian School of Corporate Management in Omsk organized an international, scientific-professional conference, and in March 2017 it continued with the gathering of scientific workers worldwide through a conference organized by the Russian Academy of Sciences in Moscow. Apeiron, together with Moscow State University M.V. Lomonosov, has also organized a scientific conference dedicated to the Russian language.

In addition to Russian universities, a delegation of Pan-European University visited Beijing Jiaotong University and on

A rocket engine for the first moon landing - Rector of the Voronezh State Technical University and professors of the Pan-European University

that occasion signed an agreement on the understanding and cooperation of the two higher education institutions.

Apeiron has signed cooperation agreements with more than 50 respectable higher education institutions:

-   **People's Friendship University of Russia (Russian Federation)**
-   **State University A.S. Pushkin (Russian Federation)**
-   **Voronezh State Medical University (Russian Federation)**
-   **State Technical University (Russian Federation)**
-   **University of Nizhny Novgorod (Russian Federation)**
-   **Adyghe State University in the Republic of Adyghe (Russian Federation)**
-   **Faculty of Logistics Celje, University of Maribor (Republic of Slovenia)**
-   **University North in Varazdin (Republic of Croatia)**
-   **Faculty of Law in Osijek (Republic of Croatia)**
-   **Faculty of Economics in Subotica (Republic of Serbia)**
-   **University of Social Sciences in Lodz (Poland)**
-   **Faculty of Economics in Banja Luka (Republic of Srpska)**
-   **Faculty of Transport and Traffic Engineering in Doboj (Republic of Srpska) et al**.

SAOBRAĆAJNI FAKULTET
College of Traffic Engineering

Study programs   College of Traffic & Transportation Engineering

Academic studies of the first cycle - 180 ECTS
in the period of **3 years** *(6 semesters)*

| Traffic & Transpor-tation Engineering | **Bachelor of Traffic Engineering – BTE** - 180 ECTS *(Bachelor of Traffic Engineering - BTE)* |

Academic studies of the first cycle - 240 ECTS
in the period of **4 years** *(8 semesters)*
- with or without narrow field of study/specialist degree

| Traffic & Transpor-tation Engineering | **Bachelor of Traffi c Engineering** - 240 ECTS, *(Bachelor of Traffic Engineering – specialist in Road and City Transport (BTE spec. in road & city transport)* |

Descriptors of the first cycle of the Traffic Engineering studies

By mastering the study program, students gain a thorough knowledge and understanding of the engineering disciplines in the traffic and transport field, as well as the ability to solve practical problems using scientific methods and procedures. Given the interdisciplinary nature of the study program, the ability to incorporate basic knowledge from various fields and apply it is extremely important. "Traffic and Transportation" graduates are able to properly put together and present the results of their work. Competence of graduates of the study program "Traffic and Transportation", or "Traffic Engineer", is reflected in the ability and willingness to work independently:

In the area of "Traffic planning, designing and managing"
- mobility planning and its consequences,
- analysis and monitoring of the sources and travel destination,
- analysis of traffic flows and the determination of the capacity of roads,
- designing traffic signals and traffic management systems,
- operational work in the regulation and traffic management,
- solving the traffic problems in urban areas.

In the area of "Traffic safety"
- collecting, processing and analyzing crash data,
- expertise of accidents,
- damage assessment,
- prevention of accidents,
- analysis of driver training,
- proposing measures and actions to increase traffic safety.

In the area of "Technology and logistics"
- collecting and processing data on passenger and trade flows,
- defining organizational activities within passenger and cargo transport,
- vehicle selection and determination of the cargo transport itinerary,
- defining the routes and the number of lines in passenger traffic,
- organization of work and management in the public transport companies,
- tracking of exploitation indicators of drivers and vehicles,
- monitoring costs and productivity increase, efficiency and profitability of transport companies,
- operational activities in transport companies.

In the area of "Freight forwarding, logistics and combined transport systems"
- monitoringand forming of commodity flows within the international monitoring and forming of commodity flows within the international commodity trade,
- organization of cargo transport services for third parties,
- transport organization using modern technology of combined transport,
- organizing and establishing logistic chains,
- defining and organizing supply chains,
- organization of work in the shipping centers,
- organization and management of warehouses and storage trans-shipment machinery.

In addition to the fundamental competencies that characterize transportation profession, we should emphasize the importance of a multidisciplinary study program in terms of working in the public sectors (ministries, local governments, public companies). Traffic engineers, possessing quality knowledge gained from many different fields of engineering, and who are trained to approach the problems analytically and deductively draw conclusions, with developed abilities to work in teams, represent a vital cohesion factor of the government agencies responsible for regional and urban planning, architecture and transport infrastructure. Students are trained to design, organize and manage transport systems. During the studies, student gains the ability to conduct experiments independently, statistical analysis

Traffic & Transportation Engineering - *(studies of the first cycle in the period of three and four years)*		**ECTS**
Year of study		
I	Mundology	5
	Philosophy of Life (Academic Skills)	5
	Statistical Methods (in the field of engineering)	6
	Higher Mathematics (General Course)	6
	Foreign Language – Level I	4
	Higher Mathematics (Advanced Course)	6
	CAD – with Basics of Technical Drawing,	6
	Physics	5
	Fundamentals of Road Traffic and Transport	5
	Foreign Language – Level II	4
	Programme of Elective Subjects – Odd/Even Semester	4+4
II	Fundamentals of Mechanical Engineering	5
	Traffic Safety	5
	Operational Research in Industrial Engineering	6
	Technology Management	5
	Fundamentals of Electrical Engineering and Electronics	5
	Transport Properties of Goods	4
	Traffic Flow Theory	6
	Non-Motorized and Stationary Traffic	4
	Country and City Roads	6
	Vehicle Dynamics	5
	Programme of Elective Subjects – Odd/Even Semester	4+5
III	Fundamentals of System Theory and Control	5
	Informatics and Computer Technology	5
	Transport of Passengers	5
	Motor Vehicles	6
	Traffic Law	4
	Road Transport Organisation and Technology	6
	Traffic Regulation and Management	5
	Traffic Planning	5
	VOC	4
	Entrepreneurship and Entrepreneurial Economy	5
	Programme of Elective Subjects – Odd/Even Semester	5+5
IV	Traffic Design Fundamentals	5
	Logistics and Forwarding	4
	Quantitative Methods and Models	5
	Decision Theory	4
	Application of Computer Technologies in Road Traffic	7
	Laboratory Exercises or Working Practice	5
	Expertise of Traffic Accidents	4
	Intelligent Transport Systems	4
	Traffic Projects Evaluation and Management	5
	Integrated Transport	4
	Motor Vehicle Maintenance	5
	Graduate / Specialist Thesis	8

Programme of Elective Subjects at the College of Traffic & Transportation Engineering:

Traffic Psychology, IC Engines, Air Transport Technology, Rail Transport Technology, Elements of Transport Means and Equipment, Funda-mentals of Engineering Economics in Traffic, Laboratory Exercises or Practise – in the field of transport, Financial and Business Mathematics, Graphic Design, Digital Photography, Renewable Energy Sources, Statistics –advanced course, Business Logistics and Freight Forwarding Management, Supply Chain Management, Technological Forecasting and Innovative Entrepreneurship, TQM – Quality Management, Customs Management and Customs Policies, Nation Characteristics.

of the obtained data and to formulate and make appropriate business, technical/technological decisions. "Traffic and Transportation" graduates gain knowledge on how to cost-effectively use natural resources in accordance with the principles of sustainable development. Special attention is given to developing skills for teamwork and the development of professional ethics.

College of Traffic & Transportation Engineering

TUITION COSTS

Type of Service / Item	Amount	
	KM	Euro
College of Modern Management	2.750,00	1.406,05
Law College	2.750,00	1.406,05
College of Information Technologies	2.750,00	1.406,05
College of Sport Sciences	2.750,00	1.406,05
College of Traffic & Transportation Engineering	2.750,00	1.406,05
College of Health Sciences	3.600,00	1.840,65
College of Philology	2.350,00	1.201,54

01 TUITIONS – First-Cycle Studies – excerpt from the Rules on Fees and Prices of Services (www.apeiron-uni.eu)

First-Cycle Studies (three-year and four-year study level)

02 TUITION PAYMENT METHODS

Schedule of Payments:

5 instalments

Description	Due date	FPE, FPN, FIT, FSN, SF	FZN	FFN
First instalment	When enrolling	550,00 KM	720,00 KM	470,00 KM
Second instalment	Until 30. nov.	550,00 KM	720,00 KM	470,00 KM
Third instalment	Until 15. feb.	550,00 KM	720,00 KM	470,00 KM
Fourth instalment	Until 31. maja	550,00 KM	720,00 KM	470,00 KM
Fifth instalment	Until 20. avg.	550,00 KM	720,00 KM	470,00 KM
TOTAL		2.750,00 KM	3.600,00 KM	2.350,00 KM

10 instalments

Description	Due date	FPE, FPN, FIT, FSN, SF	FZN	FFN
First instalment	When enrolling	275,00 KM	360,00 KM	235,00 KM
Second instalment	Until 31. okt.	275,00 KM	360,00 KM	235,00 KM
Third instalment	Until 30. nov.	275,00 KM	360,00 KM	235,00 KM
Fourth instalment	Until 31. dec.	275,00 KM	360,00 KM	235,00 KM
Fifth instalment	Until 31. jan.	275,00 KM	360,00 KM	235,00 KM
Sixth instalment	Until 28. feb.	275,00 KM	360,00 KM	235,00 KM
Seventh instalment	Until 30. apr.	275,00 KM	360,00 KM	235,00 KM
Eighth instalment	Until 31. maja	275,00 KM	360,00 KM	235,00 KM
Ninth instalment	Until 30. juna	275,00 KM	360,00 KM	235,00 KM
Tenth instalment	Until 20. avg.	275,00 KM	360,00 KM	235,00 KM
		2.750,00 KM	3.600,00 KM	2.350,00 KM

ABBREVIATIONS: College of Modern Management (CMM), Law College (LC), College of Information technologies (CIT), College of Health Sciences (CHS), College of Sport Sciences (CSC), College of Traffic & Transportation Engineering (CTTE)

03 DISCOUNTS AND BENEFITS
(Excerpt from the Rules on the Fees and Prices of Services)

FACULTY	Tuition for Three-Year Studies	Discount 5 %	Tuition Amount
College of Modern Management	2.750,00 KM	137,50 KM	2.612,50 KM
Law College	2.750,00 KM	137,50 KM	2.612,50 KM
College of Information Technologies	2.750,00 KM	137,50 KM	2.612,50 KM
College of Sport Sciences	2.750,00 KM	137,50 KM	2.612,50 KM
College of Traffic & Transportation Engineering	2.750,00 KM	137,50 KM	2.612,50 KM
College of Health Sciences	3.600,00 KM	180,00 KM	3.420,00 KM
College of Philology	2.350,00 KM	117,50 KM	2.232,50 KM

- Students who pay full tuition for the current academic year at the beginning of the academic year are entitled to a discount of 5% on the base price.

FACULTY	Tuition for Three-Year Studies	Discount 10 %	Tuition Amount
College of Modern Management	8.250,00 KM	825,00 KM	7.425,00 KM
Law College	8.250,00 KM	825,00 KM	7.425,00 KM
College of Information Technologies	8.250,00 KM	825,00 KM	7.425,00 KM
College of Sport Sciences	8.250,00 KM	825,00 KM	7.425,00 KM
College of Traffic & Transportation Engineering	8.250,00 KM	825,00 KM	7.425,00 KM
College of Health Sciences	10.800,00 KM	1.080,00 KM	9.720,00 KM
College of Philology	7.050,00 KM	705,00 KM	6.345,00 KM

- Students who pay full tuition for the three-year first-cycle studies (six-month studies of the first cycle) at once are entitle to a discount of 10% on the cumulative amount of the three-year tuition.

TUITION FINANCING THOUGH PARTNER BANKS

The tuition costs can be financed though student loans granted by SBERBANK a.d. Banja Luka partner bank. In this manner, students can finance tuition costs for the three-year study level in the full amount and be entitled to 10 % discount 20 % (a precondition for the specified discount is the payment of the total tuition until the start of the current academic year). For more information, students can visit the official website of the bank www.sberbankbl.ba or by calling 051 241 100. The students can also apply for student loans in other partner banks (RAIFFEISEN BANKA a.d. Banja Luka, NOVA BANKA a.d. Banja Luka), and other banks that have similar banking products.

The distribution of tuition fees for individual years within the cumulative amount of the three-year tuition is as follows:
- **For the first year of study 95% of tuition fee for the current year;**
- **For the second year of study 80% of tuition fee for the current year;**
- **For the third year of study 65 of tuition fee for the current year.**

FOREIGN LANGUAGES

With a view to achieving strategic objectives of the European higher education and student mobility, the Pan-European University Apeiron devotes close attention to the study of foreign languages at all faculties within the University both in the programmes of compulsory and elective subjects.

The compulsory programme foreign languages are studies at two levels, from the beginner to the advanced level, as a the first and second foreign language.

> **Foreign languages in the compulsory programme:**
> * English I, English II;
> * German I, German II;
> * Italian I, Italian II;
> * Russian I, Russian II;
> * Slovenian I, Slovenian II;
> * Latin I;
> * Chinese;
> * French.

Entrance Test

If the curriculum defines the foreign language for a specific academic year, when enrolling the year, the students shall choose a specific foreign language that is offered in the compulsory programme. After enrolment, in the sec-ond half of October, an entrance test in the chosen language is organised for both levels. The students are not re-quired to take the entrance test. The entrance test is organised for students who have some prior knowledge of the chosen language. After the successful completion of the entrance test, the grade will be entered in the exam appli-cation, student's transcript and the registry book. These students are not obliged to attend the classes of the level they have passed. If the student is not satisfied with the grade received during the entrance test, the grade will not be recorded and the student is obliged to attend the classes and take the exam during the regular exam period.

The students who do the entrance test and take the foreign language exam without attending the course shall pay a fee determined in accordance with the Rules on Fees and Prices of Services for the current academic year..

The possibility to test their knowledge through the entrance tests is important for students who have some prior knowledge of the chosen foreign language as they are then allowed to choose the same language at the advanced level during the same academic year through the program of elective subjects.

Elective Foreign Languages Program:

As a part of the program of elective subjects, the students are allowed to choose foreign languages that are not introduced at the Pan-European University. In accordance with the Rules on the Fees and Prices of Services, if the student selects the elective foreign language that is not introduced at the Pan-Euro-pean University, he/she shall pay the costs of instructional classes to the relevant agency.

Therefore, the APEIRON Pan-European University allows students to advance in this area in their professional and academic career by orga-nising foreign language tests in cooperation with ALUMNA Agency. The students have an opportunity to earn the official German Language Certificate (OSD Certificate), which is recognized throughout the German-speaking world. The students who receive a certificate of proficiency in a foreign language and are interested to continue their career abroad can establish a direct contact with an employer through ALUMNI par-tner employment agency.

The University we love…
…The University that loves us!

University of European Knowledge

PROGRAM OF ELECTIVE SUBJECTS – Studies Tailor to Your Needs and Preferences

Students have the opportunity to individualize their studies according to their own needs and preferences, independently selecting modular teaching blocks, electives, professional practice, participation in conferences and research projects.

The program of elective subjects is part of the curriculum of the college/university and together with the program of compulsory subjects constitutes regular studies in which one gets the thresh-old of 60 ECTS credits during the year. A student independently plans the content of the program of elective subjects to the extent provided for by the curriculum of the enrolled study program.

The programme of elective subjects brings a certain number of ECTS credits in line with the curricu-lum of the enrolled study programme.

The students can fulfil their obligations related to the program of elective subjects in several ways:

* By **choosing the original elective subjects, i.e. modules** defined under the **Curriculum;**
* By choosing **compatible subjects from other study programmes** that are compulsory subjects in these study program provided that these subjects are interchangeable with the study program enrolled by the student;
* **By recognising exams** passed in the other higher education institution, if these exams belong to the core scientific fields of the enrolled study program;
* **By evaluating seminar and other papers** within the program of elective subjects;
* **By evaluating working, professional, clinical and laboratory practise, volunteering and internships**
* **By evaluating participation in professional and/or scientific and research projects and participation in professional and scientific con-ferences.**

The Pan-European University elective syllabus, sorted by scientific field, is determined by the University Senate each school year based on the results of the student survey on the elective program conducted among students each year from October 1 to November 15, taking into account the possibility of forming a minimum syllabus groups for individual elective courses, and the availability of academic staff to deliver classes and other educational activities in elective courses.

ANTIPLAGIARISM – Obligatory check of academic articles

APEIRON anti-plagiarism ☑

At Pan-European University APEIRON all academic papers are tested for plagiarism, which minimizes the abuse of other authors' papers. The Pan-European University APEIRON has procured EPHORUS from the world's leading software maker, which is an appropriate software for detecting plagiarism, one of the key problems of the teaching process in the former Yugoslavia. This kind of verification is one of the tools for preserving the quality and authenticity of written articles.

Through this system, all graduate, magister, master, doctoral and scientific papers are obligatory checked. All papers once checked through this system become part of the worldwide database and are a reference for all future checks.

According to academic standards, students and teachers in accordance with academic rules can quote up to 1/3 of the content of their professional and academic papers from the texts of other authors in the prescribed manner, with reference to sources.

As the academic practice at Pan-European University is based on building and maintaining quality, it is clear why this approach has become part of the educational process and practice at APEIRON University.

MASTER STUDIES

LICENSED ACADEMIC STUDIES OF THE SECOND CYCLE
(regular/extraordinary studies) of study programs

▶ COLLEGE OF MODERN MANAGEMENT

Business Administration and Entrepreneurship • Academic titles - Master of Business Administration and Entrepreneurship - 300 ECTS *(one-year and two-year master studies)*

(Fields: Corporate entrepreneurship; Strategic management and geopolitics; Project and investment management; Small enterprises and micro-credits; Transitional re-engineering; International marketing management; Conflict and crisis management; Standardization and quality management; Technology forecasting and innovative entrepreneurship; Team development and communication skills; Environmental management and sustainable development,...)

Banking, Finance and Trade Management • Academic titles - Master of Banking, Finance and Trade Management - 300 ECTS *(one-year and two-year master studies)*

(Fields: Bank marketing management; Export and trade management; Management of freight forwarding, logistics, and insurance; Tourism and hotel management; Tax management, market business audit and control; Stock market and portfolio management,...)

▶ COLLEGE OF INFORMATION TECHNOLOGIES

Information Technology Engineering • Academic titles - Master of Computer Science and Information Technologies - 300 ECTS *(one-year and two-year master studies)*

(Fields: Information system design and development; Information system management of public administration; Computer network administration and management; Software engineering, Electronic business (e-commerce, e-banking, e-marketing); Computer graphics and design; WEB programming and design, Information management; IS Security management – crypto & cyber protection; Computer system architecture, organization, and maintenance; Expert systems,...)

▶ LAW COLLEGE

General Law study program • Academic titles - Master of Law - 300 ECTS *(one-year and two-year master studies)*

(Fields: Economic/civil law; Judicial/criminal law; Forensic/criminal law; General/international law; Communitarian/European law; Case/American law; Administrative law; Labor/social law; Constitutional/political law; Theoretical/historical law; Legal information technology and documentary; Team development and communication skills; Human resource development and public relations; Conflict and crisis management,...)

▶ COLLEGE OF HEALTH SCIENCES

Health Care and Nursing • Academic titles - Master of Health Care and Nursing - 300 ECTS *(one-year and two-year master studies)*

(Fields: Intensive medical and urgent care; Nutrition and dietetics; Infectology care; Internal medicine patients care; Pediatric care; Surgical patients care; Surgical instrument assistant; Geriatric care; Obstetric-gynecological care; Primary medical care and family medicine; Oncology patients care; Psychiatric patients care; Neurology care; Ophthalmology care; Radiological engineering; Anesthesiologist assistant; Dental assistant.,...)

Sanitary Engineering • Academic titles - Master of Sanitary Engineering - 300 ECTS *(one-year and two-year master studies)*

(Fields: Nutrition and dietetics; Environmental engineering; Sanitary technology and water management; Sanitary technology and food management; Sanitary management and air management; Sanitary technology and waste management; Sanitary and environmental legislation and supervision.,...)

Health Care Management • Academic titles - Master of Health Care Management – 300 ECTS-credits *(one-year and two-year master studies)*

(Fields: Specialist study in public health and health care; Clinical and hospital institutions management; Portfolio management of health funds and insurances; Team development and communication skills in health care; Human resource management and public relations; Medical informatics and documentary.,...)

▶ COLLEGE OF SPORT SCIENCES

Sport in Target Groups • Academic titles - Master of Sports Science - 300 ECTS-credits *(one-year master studies)*

(Fields: Health sport, Recreational sport, Fitness, Sport of target groups (children, elderly people, disabled people, etc.), Therapeutic sport, Wellness, Sport tourism, Extreme sports, Theory of a selected branch of sport, Sport strategy and tactics, Theory of games, Training science, Diagnostics in sport, Physical preparation in selected branches of sport, Didactics and methodology of sport, Theory and practice of competition, etc.)

Sports Management • Academic titles - Master of Sports Management - 300 ECTS-credits *(one-year and two-year master studies)*

(Fields: Phenomenology and sociology of sport, Law and ethics in sport, Social history of physical activities and sports, Sports informatics and statistics, Functional anatomy, Physiology of sports activities, Biomechanics, Anthropomotorics, Economics of sports organizations, Sports marketing, Psychology of sport, Pedagogy of sport, Didactics of sports training, Financial, strategic, and conflict management in sport and management of sports events and facilities, Sport strategy and tactics, Theory of games, Training science, Didactics and methodology of sport, Theory and practice of competition, Health sport, Recreational and entertainment sport, Sport of target groups (children, elderly people, disabled people, etc.), Therapeutic sport, Wellness, Sport tourism, Extreme sports, and other forms of group exercise).

FACULTY OF PHILOLOGY

Russian Language • Academic Title - Master of Russian Language and Literature - 300 ECTS *(one-year master studies)*

(Fields: Linguistics, Linguocultural Studies, Methodology of Teaching Modern Russian Language).

Any person who has completed a four-year study program of the first cycle (240 ECTS-credits or equivalent) may apply for admission to the studies of the second cycle. The duration of studies is two semesters, i.e. one academic year (60 ECTS-credits).
Candidates who have completed a three-year study program of the first cycle (180 ECTS-credits) may also enroll in the studies of the second cycle, but in this case the duration of studies is four semesters, i.e. two academic years – 120 ECTS-credits (in the study program Sport in target groups may enroll only candidates who have completed a four-year study program of the first cycle – 240 ECTS-credits or equivalent).
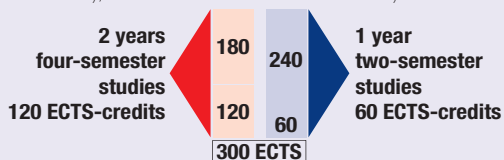Students who have completed the studies of the second cycle and acquired a minimum of 300 ECTS-credits, and have written and defended the final thesis, are awarded the title of "master" in a selected field of science, depending on the legal provisions governing the use of academic titles and the attainment of scientific and professional titles.

➜ TYPE OF STUDY

Studies of the second cycle are individual studies, designed to suit the students. They are based on mentor support, instructional and consultative teaching, and scientific and research projects.

Studies of the second cycle are organized in the period of:

- two years, as four-semester studies with 120 ECTS-credits (for students who have completed a three-year study program of the first cycle with 180 ECTS-credits);

- one year, as two-semester studies with 60 ECTS-credits (for students who have completed a four-year study program of the first cycle with 240 ECTS-credits).

2 years four-semester studies 120 ECTS-credits ◄ **180** | **240** **60** **1 year two-semester studies 60 ECTS-credits**
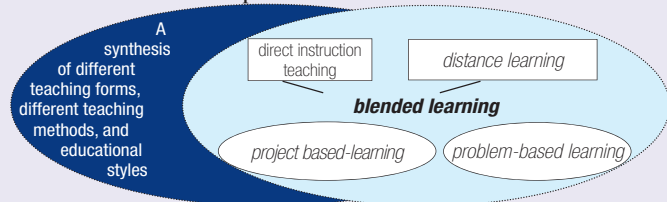
300 ECTS

the total sum of ECTS-credits after completing the studies of the first and second cycle is 300 ECTS-credits.

Studies of the second cycle at the University are a combination of the interactive dialogue system of education and mentor support.
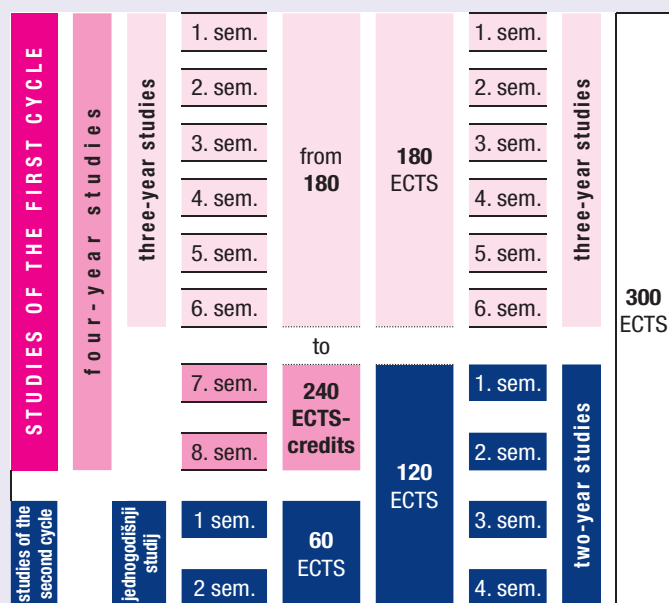
➜ ACADEMIC TITLES

Students who have completed the studies of the second cycle and acquired a minimum of 300 ECTS-credits, and have written and defended the final thesis, are awarded the title of "master" in a selected field of science, depending on the legal provisions governing the use of academic titles and the attainment of scientific and professional titles.

A synthesis of different teaching forms, different teaching methods, and educational styles

direct instruction teaching — distance learning
blended learning
project based-learning — problem-based learning

➜ ADMISSION TO THE STUDIES OF THE SECOND CYCLE

Any person who has completed a three-year or a four-year study program of the first cycle may apply for admission to the studies of the second cycle.

STUDIES OF THE FIRST CYCLE	four-year studies	three-year studies	1. sem. 2. sem. 3. sem. 4. sem. 5. sem. 6. sem.	from 180 to 240 ECTS-credits	180 ECTS	1. sem. 2. sem. 3. sem. 4. sem. 5. sem. 6. sem.	three-year studies	300 ECTS
			7. sem. 8. sem.		120 ECTS	1. sem. 2. sem. 3. sem. 4. sem.	two-year studies	
studies of the second cycle	jednogodišnji studij		1 sem. 2 sem.		60 ECTS			

Depending on the scientific field of the first-cycle study program a student has completed, there are three options when enrolling in a second-cycle study program:

- If the studies of the first and the second cycle are from the same scientific field, the student will be enrolled without any additional pedagogical obligations.
- If the scientific field of the first-cycle studies is only partially compatible with the scientific field of the second-cycle stud-

ies, the student will have a differential program to compensate the missing competencies. The content of the differential program is determined by the Commission for the recognition of exams and the evaluation of study programs. The differential program may not have more than 60 ECTS-credits.

- If the scientific fields of the first and second-cycle studies are not compatible at all, the enrollment depends on the specifics of the basic scientific field of the study program, as follows:

College of Modern Management	Business Administration and Entrepreneurship	The enrollment is possible for graduate students from incompatible study programs, provided that they attend a two-year master's program in which the first year of the master's program is actually the fourth year of a first-cycle study program. In the second (final) year of study, the elective program may be replaced by a differential program.
	Banking, Finance, and Trade Management	
Law College	General Law study program	The enrollment is not possible for students from incompatible study programs.
College of Information Technologies	Information Technology Engineering	The enrollment is possible for students who have completed a first-cycle study program in the field of "natural sciences" and "engineering and technology", provided that they attend a two-year master's program in which the first year of the master's program is actually the fourth year of a first-cycle study program. In the second (final) year of study, the elective program may be replaced by a differential program.
College of Health Care and Nursing	Health Care and Nursing	The enrollment is not possible for students from incompatible study programs.
	Sanitary Engineering	
	Health Care Management	
College of Sport Sciences	Sports Management	The enrollment is possible for students who have completed a first-cycle study program in the field of medical and healthcare sciences, provided that they attend a two-year master's program in which the first year of the master's program is actually the fourth year of a first-cycle study program. In the second (final) year of study, the elective program may be replaced by a differential program.
	Sport in target groups	The enrollment is possible for students who have completed a first-cycle study program in the field of medical and healthcare sciences with a differential program.

➜ CURRICULUM

The curriculum of the final year of master's studies takes into account the results of previous formal education completed by the candidate, the results of other educational and cognitive experiences in the context of informal education the candidate had, and practical experience and knowledge they gained through their lifelong working and creative engagement.

The curriculum of the final year of a second-cycle study program is reviewed and adopted by the Teaching and Scientific Council of the College, separately for each student.

If the courses from a personal curriculum are carried out in the framework of another study program, or a first-cycle study program, or within the elective courses adopted at the University for the current academic year, the student is free to join the classes and the work of interdisciplinary student groups. Students study these subjects at advanced level, and discuss all the important subject-related matters with the course lecturer, other teachers, and their mentor.

The curriculum of the second-cycle studies:

obligatory courses | elective courses

THE CURRICULUM:
- theoretical and methodological obligatory courses
- specialist and applicative elective courses
- research and action program component
- components of the specialist and final thesis

differential program | optional curriculum

PAN-EUROPEAN APEIRON UNIVERSITY
Banja Luka

According to Article 5 and 6. Law on Higher Education of Republic of Srpska ("Official Gazette of the Republic of Srpska", No. 73/10, 104/11, 84/12, 108/13 and 44/15) and of Ministry of Education and Culture of Republic of Srpska code 07.05 / 612-191-5-4 / 14 from the date of 28.09.2015. year license for carrying out the study programs at the third cycle studies Number 07.05 / 612-191-5-4-1 / 15 from the date of 23.10.2015. "Decision of Ministry of Education and Culture of the Republic of Srpska Number 07 050 / 612-158-3 / 15 from the date of 22/11/2016. "PanEuropean University "APEIRON" Banja Luka has:

DOCTORAL STUDIES
THE THIRD CYCLE - *(Three years of study)*

Common requirements for the enrollment in the doctoral studies of the third cycle

➢ **Enrollment in the doctoral studies of the third cycle**
- Finished graduate/master academic studies with at least 300 ECTS credits;
- Finished post-graduate/magistrate studies with the academic title - master of science, according to the law;
  The master of science is entitled to have ECTS credits verified according to the individual exams passed during the post-graduate studies, as well as the credits gained according to the research conducted during the post-graduate studies and Master thesis defense.
- Finished higher education according to the previous law regulation in duration of 10 (ten) semesters, which is 300ECTS credits;
- Finished specilized studies according to the regulations prior to Law on Higher Education was adapted, with the necessity to pass the differential program, so that the evaluated education and differential program equal 300ECTS.
- The avarage mark on all prior levels of education shoud be at least 8,00;
- At least one foreign language knowldge;
- The fulfillment of other conditions depending on the degree of major scientific fields of the previous studies completed by the candidate, which is established by the Commission for the evaluation of the study programs.

➢ **In addition to the general requirements, candidates who finished non-major faculty must meet special requirements defined in the Rules on doctoral studies of the third cycle.**

➢ **In the academic school year 2016/17, the first year can enroll:** College of Information Technologies (study program: Information System in Communication and Logistics): **7 students**, College of Modern Management (study program "Economics" - Study Module: "Business Management in Logistics"): **10 students.**

➢ Candidates for the doctoral study program can enroll from the study programs of the third cycle enrolled at other higher education institutions with the appropriate transfer of credits in accordance with the assessment of the major scientific fields enrolled at the doctoral studies at some other higher education institutions.

COLLEGE OF INFORMATION TECHNOLOGIES
▪ **Study program:**
Information System in Communication and Logistics

▪ **Scientific branch:**
- *Engineering and technology*
- *Science studies*

▪ **Scientific field:**
- *Computer and IT Science*
- *IT Engineering*
- *System Engineering*

▪ **Academic vocation:**
PhD in Computer and Information Technology - 480 ECTS

FACULTY OF BUSINESS ECONOMICS
▪ **Study program:**
Ekonomics (Study module: Business management in logistics)

▪ Scientific branch:
- *Economics*
- *Social sciences*

▪ Scientific field:
- *Menagement*
- *Logistics*
- *Operational Research*

▪ **Academic vocation:**
PhD in Economics Studies - 480 ECTS

Structure of the doctoral study

Study activity	Semestar (ECTS)						Total
	I	II	III	IV	V	VI	
Mandatory teaching program	15						15
Thesis introductory paper	10						10
Elective teaching program		15	15				30
Differential program (optional)							
Facultative program (optional)							
Writing study research project and its defence		15					15
Introductory research for the purpose of defending doctoral thesis topic		5					5
Research done within doctoral thesis topic			20	20			40
First (public) report on research realization				10			10
Result published in scientific journal				10			10
Participation in Conferences			5				5
Other final (public) report on research realization				10			10
Writing and defending doctoral thesis					30		30
TOTAL (per a year of studies)	60		60		60		180

Tuition and other fees:

Tuition fee I year	3.500 KM
Tuition fee II year	3.500 KM
Tuition fee III year	3.500 KM
Commision for the candidate and Thesis evaluation	750 KM
Commission for Thesis Defence	750 KM
Mentor	3.000 KM
TOTAL	**15.000 KM**

Tuition fee and some other fees can be paid in instalments, according to the Regulation on Tuition fee atPaneuropean Univeristy.

Doctoral program "IT System in Communication and Logistics":

Compulsory courses: *Qualitative and quantitative research methods, IT system Development*

Elective courses: Software Architecture, Trends of Operational Research, Competitive and Distributive Programing, Multimedia Communication with Computer Networks, Standardization in IT, Ethical and Social aspects of IT Development, Logistics Systems, Supply Chain Management, Stochastic Proccesses and Systems, Artifical Intelligence in Logistics, Project Menagement in IT system, Economics of IT systems, Mobile Computing, Neural Networks and phase systems, Integrated Software Solutions, Audit of IT systems, Intelligent IT systems and Interooperability of IT systems.

Doctoral program " Economics – Business Management in Logistics:

Compulsory courses: *Qualitative and quantitative research methods, Operational Research*

Elective course: Modern methods of marketing research and modeling, Trends in production and service menagement, Strategic and Corporative Management in Enterpenuership, Management of European Integration Process, Human Resource Management and Organizational Behaviour, Ethical and Social aspects of Business Management, Financial Management, Instruments and Institutions, Logistics of Modern Business Systems, Supply Chain Management, Global Logistics and International Standards, IT systems and Computer Technology in Logistics, Project Management in Logistics, Cost Management in Logistics, Accountancy and Audit of Business systems, Business Finance and International Finance Management, International Business Law, international banking, International Business, Trade and Insurance, Logistics and Sustainable Development, Corporative and Investment Banking.

Scientific research activity

At the University, scientific research activity includes fundamental, applicative, developmental and expert research. With the program of scientific research, which is adopted each year, all necessary conditions for the participation of students in scientific work and training of young scientists for the same, are provided. Scientific-educational and scientific research work are equal activities at the Pan-European University.

Pan-European University Scientific Research Institute was founded on 27 September 2007. According to the Decision of the Ministry of Science and Technology in Banja Luka No. 06/6-040/050-3/08 from 11/03/2008, it received the license to work and is registered in the registry book of research institutions. The Institute cooperates on scientific research projects and has signed agreements on scientific-educational and scientific research cooperation with many eminent research and educational institutions, including: Institute of Economic Sciences Belgrade, Institute for Development, Paris (IDCE), University Institute Norköpping (Sweden), Institute Fraunhof IAO (Germany).

Pan-European University participates in several international scientific projects, i.e. the projects of the Ministry of Science and Technology of the Republic of Srpska, and funds research activities from its own resources. So far, projects from the following areas have been funded: ecology, biodiversity, genetic modification in plant products in the Republic of Srpska region, diabetic retinopathy, organic farming, entrepreneurial economy, the role of life-long learning in a public-private partnership, reproduction and sustainable development of the Republic of Srpska population, environmental crime, juvenile delinquency, resource research of recreational sport, ongoing projects of digital-interactive television development, sibiotic learning development, international project of digitization of the European cultural heritage.

Apeiron's scientific journal – first from BiH in Thomson Reuters

EMC Review - Journal of Economics and Market Communications of Pan-European Apeiron University was included in 2017 in the prestigious worldwide scientific publications database ESCI - Web of Science (Clarivate Analytics - Thomson Reuters).

Overview of scientific journals published by the University:

No	Name of the magazine	Editor in chief	Journal language	Scientific field	ISSN	Registry number (Ministry of Science)	Issues per year	Website
1	Annual of the Law College	Vladimir Čolović, Prof. PhD	Languages of Bosnia and Herzegovina, English	Law	Print: 2232- 9668 Online: 2232-9684	07.030-053-85-4/11 Br. 614	1	http://www.gfpn-au.com/
2	EMC – Economy and Market Communication Review	Zorka Grandov, Prof. PhD	Languages of Bosnia and Herzegovina, English	Economics	Print: 2232-8823 Online: 2232-9633	07.030-053-85-8/11 Br. 618	2	http://www.emc-review.com/
3	Sports Sciences and Health	Velibor Srdić, Prof. PhD	Languages of Bosnia and Herzegovina, English	Sports, Health	Print: 2232-8211 Online: 2232-822X	07.030-053-85-2/11 Br. 612	2	http://www.siz-au.com/
4	JITA – Journal of Information Technology and Applications	Gordana Radić, Prof. PhD	English	Information/ Computer Science	Print: 2232- 9625 Online: 2233-0194	07.030-053-160-8/10 Br. 594	2	http://www.jita-au.com/
5	Quality of Life	Slaven Grbić, Ass. Prof.	English	Nutrition, Ecology	Print: 1986-602x Online: 1986-6038	07.030-053-160-4/10 Br. 592	4	http://www.qol-au.com/
6	Nursing Journal	Živorad Maličević, Prof. PhD	Languages of Bosnia and Herzegovina, English	Nursing	Print: 2303-6222 Online: 2303-6362	07.030-053-52-6/13 Br. 640	1	http://www.sestzu-au.com/
7	TTTP - Traffic and Transport Theory and Practice	Danislav Drašković, Prof. PhD	Engleski	Traffic	Print: 2490-3477 Online: 2490-3485	07.030-053-19-6/2016 Br. 665	2	http://www.tttp-au.com/

Scientific Conferences

Paneuropean University has organized and financed a number of international scientific conferences, and some of them are held every year as permanent international scientific conferences:

- Scientific conference "Information technologies for e-learning - ITEO";
- International scientific conference on Economic Development and Standard of Living - Economic Development and Standard of Living "EDASOL";
- International Conference "Sports Science and Health ';
- International Scientific Conference on Marketing Communication Development "POWER OF COMMUNICATION POWERCOM";
- Scientific Conference with international participation "Ecological Security in the postmodern environment - ICAMA, dedicated to the environmental issues and sustainable development";
- International Conference "Violent crime";
- International Balkan Countries Women & Business Conference;
- Scientific Conference with international participation "Sustainable development and biodiversity conservation - ICASUS";
- International Conference "Renewable energy and sustainable development";
- Scientific Conference with international participation "Information and Communication Technologies: Control Development -ICT: DS";
- International Conference "New and traditional in translation studies and teaching Russian as a foreign language";
- International Scientific Conference: "Management of Economic and Regional Systems in the Eurasian space: Institutes for Development, Economics of Security, Humanitarian Technologies".

APEIRON
CAREER GUIDANCE CENTRE

The Career Guidance Centre of Pan-European University "Apeiron" was established within the framework of collateral activities of the University with the aim of creating the preconditions for organized and systematic mediation in promoting University students at the labor market – for the purposes of employment, organization of internships for students, further education, and employment in home country and abroad.

The Career Guidance Centre provides support to the following activities:

Career development information:
- informing and advising students;
- assistance in preparing CVs in English, German and Serbian;
- workshops, training sessions and seminars for career development;
- booklets with useful information for students.

Job and establishing connection with the business world
- organisation of professional internships in promising companies, health care institutions and state institutions;
- presentation of successful companies from the region;
- meetings with employers;
- direct contact with ALUMNA Employment Agency.

Consulting and education
- individual consulting in preparation of the "PASSPORT OF COMPETENCIES";
- workshops in the development of business and negotiation skills;
- job interview simulations;
- consulting for continuing education in the country and abroad.

Professional Internship Programme – Become Employable!!

By joining the Professional Internship Programme, you will have an opportunity to gain first practical experience in the dynamic business environment, meet the business world and the way it works, and master knowledge and skills that you will need in your work.

Student internships are recognized as electoral activities and are awarded a certain number of credits (3-5 ECTS) depending on the number of days spent in the internship and replace one elective subject.

Business Skills Development Workshops

During the job interviews, employers often ask questions about your ability to work in teams, ability to quickly adapt to business requirements, ability to solve problems and cope with stressful situations as well as ways of communication and resolving conflicts.

In order to promote and develop an entrepreneurial mind-set and enable you to enter the labour market, the Apeiron Pan-European University also organises informal education programmes, which are aimed at acquiring applicable knowledge and skills through simulations of different business situations.

The business skills development workshops organised by the Career Development Centre provide you with an opportunity:

- to acquire presentation skills – learn how to present your ideas to employers without stage freight and stress;
- to learn how to speak with employers during the job interview simulations;
- to improve communication and listening skills;
- to learn how to successfully manage your time;
- to learn how to develop your action plan;
- to prepare a PASSPORT OF COMPETENCIES;
- to develop negotiation skills.

The workshops for the development of business skills are held once per semester depending on the number of interested students and applicants.

»Prof. Dr. Risto Kozomora« Fund

„Prof. Dr. Risto Kozomara" Fund was established on 30 March 2014, has been awarding scholarships to Pan-European University students.

The objectives of the Fund are:
- Providing financial support for the most talented students of the first cycle;
- Encouraging students to scientific and research work;
- Promotion of the achieved results of scholars;
- Providing support in the development of the professional, scientific, and research career of scholars;
- Cooperation with other institutions and organizations of interest to students of the University.

Alumni Association

APEIRON
Alumni
Asocijacija

The Alumni Association is a voluntary association whose members are all students who have completed bachelor, master or PhD studies at Pan-European University "APEIRON", as well as students who are still studying, with the goal of connecting all generations of students to achieve a lasting cooperation between them.

Students become members of the Alumni Association of Pan-European University "APEIRON" voluntarily, by filling in an online application on the website of the Career Guidance Center.

By updating the database of its members, the Alumni Association enables the connection between them to support further development of their professional relationships, but also to preserve their philanthropic commitment to the University.

Success stories of Apeiron alumni

APEIRON STUDENTS - TOP MANAGERS OF MULTINATIONAL COMPANIES IN CHINA

NEMANJA MARIĆ is a successful manager of several multinational companies based in China. He studied at well-known international schools in China and France and earned a bachelor's degree in economics from Pan-European University Apeiron, College of Modern Management, using a modern combination of distance learning study models and contact tutoring and research. He lives and works in Beijing. "It is my desire to continue my academic and professional development, scientific research and collaboration at my home university, Apeiron, with a master's degree in economics, since my college education has helped me a lot in practice in various management jobs and major international projects on the Asian continent and globally."

KRUNOSLAV RIS - APEIRON IS THE PLACE WEHERE MY SUCCESS STARTS

Krunoslav is the head of application software for Unicredit Group in Croatia. "I completed the knowledge I gained from my bachelor and master studies with my experience, which resulted in skills and competencies that paved the way for me in the world. Apeiron is where my success begins, says Kruno, who is now pursuing his doctoral studies at his home college, College of Information Technologies at Pan-European University Apeiron. He began his career with his own companies in the field of information technology, he

was a university lecturer at the Beijing International Institute of Education, and was the director of the IT sector of the Hitachi company in South Africa. As an IT engineer, he worked for Siemens, T-Mobile Austria, T-Mobile Germany, Sonatel in Senegal. "My temperament and desire to reach my maximum in the field I dedicated myself to brought me to PhD studies. I am boldly stepping towards a new experience that will surely carry more responsibility with a PhD title,"adds Krunoslav.

FROM THE BENCH OF PAN-EUROPEAN UNIVERSITY TO THE DESK OF THE FACULTY OF LAW IN OSIJEK

ANTON PETRIČEVIĆ, PhD in Law, after completing his doctoral studies at our Law College, was elected Assistant Professor at the Department of Labor Law and Social Sciences at the Faculty of Law, Josip Juraj Stross-mayer University of Osijek. Anton also completed his master studies at Pan-European University and both diplomas were certified by the Agency for Science and Higher Education Zagreb (ENICNARIC Network).

"I actively participate in national and international scientific conferences, and I have adopted scientific education and the right quality guidelines at Apeiron University," says Assist. Prof. Anton Petričević and adds that he conducted his doctoral research in Japan - University of Tokyo, Faculty of Law.

APEIRON UNIVERSITY BACHELOR OF LAW – HEAD OF MUNICIPALITY JEZERO

SNEŽANA RUŽIČIĆ, Mayor of Jezero Municipality, earned her law degree from our Law College. She worked for several years in the Council of Peoples of the Republic of Srpska, in the Department of Legislative Legal Affairs, and has gained extensive experience on projects of the International Community in the field of ecology and tourism.

Speaking about education, she especially points out that general and operational knowledge are of paramount importance in the process, and that, while going through the curriculum with top professors and lecturers, she encountered a modern approach to legal science, where basic studies are combined with law clinics, hands-on teaching and student research papers.

Connection to the labor market – Agency for employment mediation »Alumna«

In cooperation with partner institutions from the RS and BiH and abroad, the Agency "ALUMNA" enables graduates in nursing and physical therapy of the College of Health Sciences, as well as graduates from the College of Information Technology to work abroad.

Through Apeiron's partners, the Alumna Agency and the House of Jobs, students who are interested in working abroad have the

opportunity to enroll in free foreign language courses and to apply for scholarships and jobs in FR Germany.

In this way, Apeiron University, along with its partners, provides graduates with direct access to the job market in the EU and beyond.

Cooperation with the economy

The goal of cooperation is the realization of concrete activities with educational, practical and developmental dimension. Students complete their theoretical knowledge acquired at the University through practical programs of professional internship, guest lectures, projects, participation in practical workshops with representatives of successful companies.

Career Guidance Centre   http://cvk.apeiron-uni.eu/

Laboratories and classrooms in which students of Pan-European University Apeiron study theoretically and practically

1. *Nursing cabinet*

2. *Anatomy cabinet*

3. *Anatomy cabinet*

4. *Our sanitary biochemical laboratory*

5. *IT cabinet*

6. *Sanitary biochemical laboratory*

7. *Library, reading room and Internet cabinet*

8. *Our Development Center - Students work on specific projects for partners from Germany*

9. *College of Traffic & Transportation Engineering cabinet*

10. **Dental prosthetics cabinet**

11. **Physiotherapy cabinet**

12. **Our dental clinic**

13. **Library**

14. **One of the classrooms**

15. **Pan-European University Conference Room**

16. *Students and professors of the College of Health Sciences organize a humanitarian action every year to measure blood sugar and blood pressure for the citizens of Banja Luka, Doboj and Bijeljina*

17. *Another humanitarian action: students and professors of the College of Sport Sciences organized the Days of Inclusive Sports*

Distance Learning System

LEARNING CUBES 4.0
Distance Learning System

Access to the distance learning system is free, i.e. it is included in the tuition costs (electronic books, recorded lectures, audio recordings, electronic presentations of teaching content, video clips, access to licensed databases, etc.)

All students of Pan-European University "APEIRON" have full access to the distance learning system. Each student receives user data to access the multimedia content relating to subjects they have.

All content within the system is logically organized which allows easy use and satisfaction at work. Distance learning system Learning Cubes 4.0 reduces students' travel costs, provides access to textbooks and presentations as well as flexibility of learning in every respect.

Distance learning system Learning Cubes 4.0 is an upgrade of classroom teaching, be it classical teaching or teaching supported by ICT and computer multimedia, with the aim of enriching knowledge in a new and interesting way by giving the user the option of complete control to manage multimedia content published within the distance learning system.

About 10,000 hours of video recordings of different teaching activities have already been published within the distance learning system!

Distance learning is an imperative of the modern educational system which should provide life-long learning (Bologna principle of »life-long learning«) and represent an educational support to modern post-industrial knowledge society, which in that way grows into learning society. When a student completes the first part of studies and takes over any kind of social function (work, family, political, socio-cultural and other responsibilities), he/she can no longer upgrade his/her knowledge in a traditional way „from the classroom", and during the life career he/she will have constant educational needs. The only way to reconcile this apparent contradiction (modern educational needs and traditional educational methods and forms) is through flexible educational models, which apart from traditional methods of learning also include distance learning and informal models of education. In the USA, all accredited higher education institutions offer distance education as a legitimate form of study.

Distance learning is, according to the Law on Higher Education of the Republic of Srpska (Article 34 of the Official Gazette of the Republic of Srpska, No. 73/10), defined as a teaching method, i.e. as a method of performing teaching and studying process which can actually be applied to regular and extraordinary studies. With this approach of the Ministry of Education and Culture of the Republic of Srpska, the elements of distance learning, as methodological forms, are enabled at full capacity also to regular students.

Pan-European University APEIRON has been running distance learning studies since the academic year 2007/08 based on the decision on eligibility for commencement of work issued by Ministry of Education and Culture of the Republic of Srpska No. 07.2-4777/07 from 01/08/2007, and license issued by Ministry of Education and Culture of the Republic of Srpska No. 07.2-9624/07 from 28/12/2007. Pan-European University has been also issued with a special license for running distance learning studies by Ministry of Education and Culture of the Republic of Srpska No. 07.2-9624-1/07 from 28/12/2007.

Therefore, Pan-European University, by defining its mission and perceiving trends in the development of modern society, set as one of its strategic goals development and implementation of distance learning. In order to achieve credibility of distance learning in conditions of misunderstanding by traditional academia and legitimize this form of education, Pan-European University has invested considerable personnel, logistics, research, material and financial resources in the development of this model of studies. At the Pan-European University, the teaching process in the distance learning system is organized as a kind of synthesis of traditional educational forms, innovated in the form of interactive teaching, and modern educational forms of distance learning, technologically strongly supported by ICT.

All Pan-European University students have open active accounts for access to a protected WEB distance learning module, which enables them to effectively prepare for the exams by using appropriate learning sources placed through the system.

The recourses of distance learning system are available to all students regardless of the form, type, level, and place of studying.
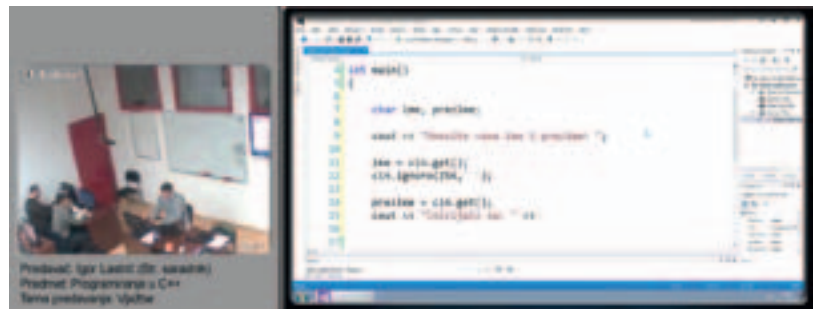
a/ material support in the distance learning system:

At the Pan-European University, all classrooms, both in the headquarters and in licensed University departments, are digitized and equipped with multimedia equipment for the acquisition of digital content, and professional teleconferencing, i.e. telecommunications equipment, which enables the use of modern methods of distance learning teaching process. Laboratory for Information/Communication Technology is specially equipped for the development and maintenance of Internet service introduced at the University, and for the development of multimedia applications and information-safety system.

At the Pan-European University, an integral university information system has been introduced, and information system of distance learning support. University "APEIRON" is the Microsoft IT Academy Platinum Pro partner in the area of education and implementation of Microsoft technology, and also a licensed test center in the world systems Pearson Vue and CERTIPORT.

b/ logistic support:

All lectures, exams, and other educational activities, including the educational activities performed in classrooms, clinics, or outside (for example some activities in sports science), are recorded, digitally processed at the Laboratory of information and communication technologies, and then optimized for distribution in the system of distance learning and for control functions.

In order to provide a textbook support in the system of distance learning, University "APEIRON", as a licensed publisher and through a network of agreements on the protection of copyright in their own publications, has provided all textbooks, presentations, and other written sources in electronic form, and published them in writing and in electronic form of web publications.

According to the reactions of students, many years of experience in the development and introduction of this form of teaching process, and on the basis of regular surveys conducted by the Pan-European University among students, we can safely conclude that students are satisfied with this type of study, flexibility and efficiency of the teaching process, as well as the quality of knowledge and competencies obtained through this study.

Each student in the distance learning system of education has access to the following:

- Video recordings of all held lectures, and recordings of all lessons and other teaching activities for each individual subject including presentations which were used during the teaching activities in a single timeline;
- Audio recordings, i.e. audio extracts from recorded lectures;
- Textbooks in hypertext electronic form and PDF format;
- All other sources in written form which are used in subject analysis are available in the electronic form;
- Electronic presentations of all teaching content;
- audio versions of some textbooks;
- Video clips, animations, a series of photographs and slides in electronic form which are used as addi-tional teaching resources;
- Access to licensed databases, scientific periodicals, and access to licensed study databases to which the Pan-European University is subscribed.

c/ organization of the teaching process in the distance learning system

In remote locations, teaching in the distance learning system is provided by the projections of all lec-tures which are recorded in the Pan-European University headquarters, according to designated and published schedule. Also, students are able to individually follow all lectures at any time over the Inter-net, via secured distance learning WEB module, which allows watching of all lectures many times again.

Professors perform written consultations with students via e-mail. Every professor and student has an open e-mailbox within the University information system. Professors are obliged to conduct dedicated electronic correspondence with students in the form of brief consultations and operative answers to the questions.

In the distance learning system, students are provided over the weekend (on Friday afternoons and Saturdays) with a direct contact study performed by responsible professors and other employed aca-demic staff in the scope of no less than one-third of the contact study for regular students, and direct or on-line video consultations in the scope of 6 lessons. Classes held for regular students are broad-casted from the University headquarters to all licensed Pan-Europe-an University departments over the Internet. Since the broadcast is being performed with the equipment for professional teleconferenc-ing, in this way, full participation and interaction is provided to students in remote locations.

Practical classes, laboratory, clinic, sports and work practice are organized for students in the distance learning system in institutions and organizations with which the University has signed agreements on business, technical and academic cooperation, and whose allocation correspon-ds to the distribution of residence of students studying in the distance learning regime. Students, for whom, practical, laborato-ry and clinic classes cannot be provided, the realization of these program facilities in a condensed form is enabled at the institutions of the Pan-European University immediate surroundings in the frame-work of dedicated winter and/or summer seminar/campus which is organized for a period of 7-14 days.

d/ exam activities in the distance learning system

In the distance learning system, oral exams are being held directly at the university headquar-ters during the weekend, or in licensed University departments. Oral exams are also being held via teleconfer-encing from the headquarters in Banja Luka to licensed University departments. Exam conditions at remote locations are controlled by responsible teaching staff or authorized person – so called "proctor" who create the appropriate protocol, i.e. record of exam.

Written exam or pre-exam activities in the form of written or electronic tests, written exams with questions, or micro essays are organized for this category of students both in the University headquar-ters and in licensed departments. Other written resources for student evaluation such as seminar pa-pers, essays and projects are submitted to the professor responsible for the task of review and evalua-tion in electronic or written form via Student Service.

Defense of diploma thesis and specialist paper is organized in the headquarters and in licensed de-partments via teleconferencing. Master Thesis defense is organized exclusively at the Pan-European University headquarters.

ACADEMIC ELECTRONIC SERVICES

Students can use the following academic electronic services developed in the framework of an integrated information system of Pan-European University:

- Recourses of the distance learning system
- WEB teleconferencing, e-consultations, and online courses
- Interactive and collaborative (group) "online" learning
- Advanced forms of multimedia communication of students by using Apeiron WEB services
- E-library with internet access to all the content of electronic books
- Access to the world's leading databases of scientific journals and e-books
- Apeiron webmail – electronic post system (e-mail)
- Apeiron WEB notice board
- E-document – system of electronic records
- University FAQ service
- WEB electronic exam application

- Electronic versions of mandatory surveys conducted at Pan-European University
- Forums within the LMS distance learning system of Pan-European University
- Recourses of the University Career Guidance Center
- Apeiron educational internet TV channel
- Access to a larger number of other academic services developed in WEB electronic form

Students, teachers, and administrative staff can use all the applications from the Microsoft Office 365 package, which allows free use of the Microsoft e-mail service, editing and storage of documents online, web conferences and document sharing, which has further intensified communication and increa-sed the productivity of the academic process.

ANTI-PLAGIARISM SERVICE is very important, because it is one of the key tools for preserving the quality and authenticity of the written papers. Its use is prescribed and mandatory for all staff members of the University.

STUDY OUTSIDE THE HEADQUARTERS

PANEUROPEAN UNIVERSITY APEIRON BANJA LUKA

DEPARTMENT IN BIJELJINA

DEPARTMENT IN NOVI GRAD

STUDY CENTER IN BELGRADE

LEGAL BASIS

Pan-European University possesses a license to perform the studies of the first cycle of the following study programs: Business Administration and Entrepreneurship; Banking, Finance and Trade Management; General Law; and Information Technology Engineering outside the headquarters, in Bijeljina and Novi Grad departments.

Pan-European University is also the founder of the Higher Vocational College for Professional Studies in Market Communications.

In accordance with the Law on Higher Education of the Republic of Srpska, Pan-European University has, by the University Statute, Regulations on the studies of the first and second cycle, Regulations on the evaluation and achievements of students, Regulations on virtual studies and distance learning, closely defined the method of teaching and the system of evaluation (grading) both in regular and ex-traordinary studies, i.e. the methodology of performing distance learning.

All students of the Pan-European University are formally and legally enrolled at the Pan-European University as an integral university. Colleges, departments and internet centers are not legal entities, but organizational facilities; therefore, the formal admission of students into appropriate study programs is done being at the university with its headquarters in Banja Luka. The Register of enrolled students is kept in the University headquarters in Banja Luka. Students receive Pan-European University diplomas indicating the study program they have completed at the appropriate college, and without referencing the location where the teaching process took place.

Support for students who study outside the University headquarters

Licensed University departments enable the organization of the teaching process outside the head-quarters at full capacity in study programs for which the work permit in those departments has been issued. Departments, i.e. internet centers at the same time can (and must) provide appropriate infor-mation, communication, professional, consulting, logistic and administrative support to all students from a geographic area covered by the department (internet center) regardless of the enrolled study program:

a/ administrative and technical support:
- Information and technical support upon enrollment at all study programs in providing information, re-ferring of admission, technical, educational and marketing material related to the registration and col-lection of students' applications, marketing support in organizing and performing of marketing cam-paigns related to admission for all study programs;
- Receipt of all written students' submissions and their sending to the headquarters, and providing feedback to the applicant;
- Providing information on classes schedules for all study programs in the university headquarters and departments for all student categories, regular, extraordinary and students who use distance learning resources;
- Collection, control and forwarding of students' exam registrations to responsible academic staff;
- Defining lists of students from the area of departments where the classes are performed for extraor-dinary students and admissions for examinations;
- Providing information related to student services (exam dates, examination results, etc.);
- Organizing and collecting students' surveys.

b/ professional and technical support:
All Pan-European University students are provided, via the department or internet centers, with access to information and educational resources and knowledge bases that are of public property and availa-ble on the internet, especially students who do not have adequate broadband high-speed internet, furthermore, students are pro-vided with access to those resources that are not of public property, and to which the Pan-European University is subscribed (such as for example EBSCO academic data-base of scientific and technical information, articles and other scientific publications to which the Pan-European University is subscribed). The departments, i.e. internet centers, also provide access and effective use of the Pan-European recourses that are in electronic form published on the Internet by the local Pan-European University network. This includes services (for which is assumed to have broadband Internet access) available to students on the University WEB site, such as electronic bulletin boards, university web mail service, university FAQ service, access to forums and other forms of academic social networks that are organized at the university, access to resources of the University Career Guidance Center, electronic exam registration, e-surveys, Pan-European University e-library services, LMS system services (Learning-

DEPARTMENT IN BIJELJINA

DEPARTMENT IN NOVI GRAD

University departments, outside the University headquarters, run regular teaching programs and clas-sical exams for study programs that are licensed in these departments.

However, in accordance with legal and statutory student rights, all Pan-European University students, regardless of the enrolled study program, i.e. regional or geographic origin, enjoy certain complex and meaningful support that includes: information, communication, professional, consulting, logistic and administrative support.

All Pan-European University students, especially the extraordinary students, are provided with high-quality, comprehensive and efficient (to a great extent unique) support in the teaching process, based on an integrated mixed model of studying and learning (blended learning) introduced at the Pan-European University, which represents the synthesis of contact teaching, distance learning and mobile education, i.e. the synthesis of various forms of educational content delivery, different teaching meth-ods and styles within which, the problem-based learning, symbiotic learning and project-based learning are preferred.

Internet centers (in departments or independently organized) represent the support for distance learning, individual, group and collaborative student studying, student projects and student research work.

Regional centers take over, in accordance with the Law on Higher Education, a significant part of the above-mentioned support to all students, regardless of the student's enrolled study program or his/her regional background. In the regional center, students can approach to those proficiency tests that are allowed by positive legal and regulatory provisions in accordance with the detailed description from the previous text. Also, the Pan-European University headquarters organizes special education process and examination dates that are by time, term and program features tailored to the needs and abilities of extraordinary students, regardless of their geographic origin.

Management System) for distance learning, services of the University educational television "Apeiron TV Channel" and others.

Internet centers (in departments or independently organized) are designed to provide multi-functional support to students, which includes not only distance learning support but also support for student projects and student research work. In addition, they provide the following functions:

- Access to the Internet via broadband high-speed connection that provides a fast, efficient, comforta-ble and quality work on the Internet in terms of content download from the Internet, as well as upload of the queries and results of student work (e.g. sending term papers and other written work via the university Web mail service).
- They also provide a sufficient number of multimedia computer systems that are connected to the local network of the internet center itself. The multimedia features of the computer provide video and au-dio communication in educational forums and online sessions that are organized at the headquarters of the university and other organizational facilities of the university, direct on-line communication and consultation with professors, professional associates or fellow students in specific interest and work groups of students.
- Additionally, they provide access to other input-output network devices (printers, plotters, scanners) and other electronic equipment that is installed in the local network of the departments, thus creating conditions for free support to all Pan-European University students in printing and scanning of docu-ments, working with computer graphics, doing seminar and other student papers, research activities and student practice.
- Internet centers are designed to enable group, collaborative and traditional individual studying, be-cause in addition to computer equip-ment they are equipped as standard academic libraries. Each cen-ter is equipped as a branch library of the Pan-European University.
- Internet centers provide students with a direct insight into a part of the teaching process that takes place at the Pan-European University via on-line teleconferencing, as well as a direct insight into the teaching process that takes place at the Pan-European University head-quarters, and is broadcasted via video streaming. This service especially refers to students who do not have adequate access to high speed broadband Internet.
- Internet centers are fully equipped with all the necessary audio equipment, video projection and tele-conferencing equipment.

Within the Pan-European University internet centers responsible for distance learning support, a cer-tain professional and educational sup-port is provided to all students, regardless of their enrolled study program.

(1) Studying, individual and group work of students
- Individual studying via the Internet, access to the Pan-EuropeaUniversity distance learning system and other knowledge bases and educational resources on the Internet;
- Individual studying by means of written sources and printed books in the Internet center libraries;
- Group-studying via the Internet within educational internet forums which are, for each subject, i.e. a narrow scientific field, formed in

the distance learning system;
- On-line oral and written consultations with the teaching staff and associates;
- Collaborative studying in work groups in the classrooms of the Internet Centre;
- All forms of student practice and research projects that require computer, telecommunications and information technology support.

(2) Teaching activities
- In the Internet centers organized in the departments, only consultative, i.e. instructional classes are organized. The classes will not be held for study programs that have a license to be performed at the University headquarters in Banja Luka, and are not licensed in certain departments. Full teaching pro-cess for this category of students (extraordinary students) is organized at the University head-quarters, on Friday afternoons and during every weekend, to the extent which is not less than one-third of all teaching material that is supplied to regular students.
- Internet centers organized in the departments or independently will provide support to all Pan-European University students in order to gain insight into the teaching process via video streaming or archival projections of lectures held at the Pan-European University in the reading rooms, i.e. regional university library. Furthermore, teleconferencing provides support for participation and active in-volvement of students in various educational events held at the Pan-European University, such as seminars, scientific conferences, round tables, etc.;
- Internet centers will, if necessary, or upon the request of students organize ad-hoc consultations with mentors, tutors, teaching staff and associates;
- Seminars, conferences, round tables and various forms of educational workshops that are organized in the departments are available to all Pan-European University students;
- Internet centers will also serve as a support for student research projects.

(3) Knowledge evaluation
In the departments' internet centers examinations will be organized for all Pan-European University students from subjects that have common basics of the study cycle, i.e. common basics of a broader scientific field, and which are held at the Pan-European University (as an integrated university) accord-ing to the unique program for all study groups and for which, in the process of teaching and knowledge evaluation specific teaching groups are organized.

Pan-European University will organize examinations outside the headquarters of the university for subjects whose nature requires it, in accordance with the provisions of the Article 46 of the Law of Higher Education, and based on the curriculum of these subjects and in accordance with the University Statutes and Regulations on the evaluation of knowledge and achievement of students. In certain study programs, a number of clinical and laboratory subjects fall into this category, as well as practice, internships and volunteering, which are also being graded in the ECTS system.

In order to provide effective support to these subjects and students' activities, Pan-European Universi-ty has concluded appropriate con-tracts on academic, business and technical cooperation with regional clinical, spa and laboratory facilities, so that students, in this part of their studies, could receive appro-priate, close, more efficient and quality support.
- Upon the request of students, internet centers can organize only those knowledge evaluations which are part of students' pre-exam requirements, and which are performed on computers via direct, pro-tected, encrypted and immediate connection to the Pan-Eu-ropean University server system in Banja Luka, and within the standardized software LMS (Learning Management System) package;
- Evaluation activities within students' pre-exam requirements are carried out practically via global com-puter network in the Pan-Euro-pean University server system, because every computer of the Internet center is actually a part of the Pan-European University WLAN;
- Evaluation activities within the domain of pre-exam requirements take place in a controlled environ-ment with provided physical and technological protection of the evaluation process using the following instruments;
- Authentication access of each student to any computer system in the Internet center based on the card reader that loads the student card for which an individual PIN code is entered, user name and password of each student;
- Controlled conditions during the evaluation;
- Evaluation tests, questionnaires or other applied forms of students' pre-exam requirements are gen-erated in the server system at the headquarters of the Pan-European University, while computers in the Internet centers actually serve as workstations;
- The communication channel is encrypted and protected by a PKI card system, while the connection channel is encrypted with 1024-bit encryption algorithm, which is used in banking.

STUDY CENTER IN BELGRADE

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Contacts:
Director: **++38751247982, mobile: 066/706213**
Manager: **++38751247985, mobile: 066/802443**
Secretary: **++38751247986, mobile: 066/260279**
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