Singidunum University

KNOWLEDGE | EMPLOYMENT | CAREER

ACCREDITED

POSTGRADUATE ACADEMIC STUDIES

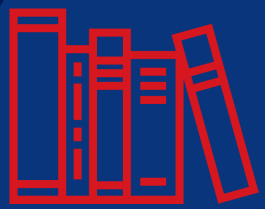
SINGIDUNUM UNIVERSITY

BELGRADE

Singidunum University

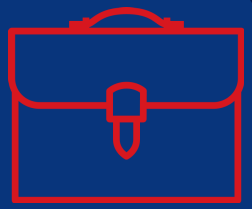
KNOWLEDGE

Competence | Foreign languages | Information technologie



EMPLOYMENT

Practical knowledge | Industry-oriented | Business skills



CAREER

Personal skills | Motivation | Creativity

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SINGIDUNUM UNIVERSITY

START YOUR JOURNEY TO SUCCESS!

MASTER ACADEMIC STUDIES

Study programme:
COMPUTATIONAL PHYSICS

Study programme:
BUSINESS ECONOMICS

Study programme:
BUSINESS SYSTEMS IN TOURISM AND HOSPITALITY

Study programme:
CONTEMPORARY INFORMATION TECHNOLOGIES

Study programme:
ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

https://singidunum.ac.rs/admission-master/

DOCTORAL STUDIES

Study programme:
CONTEMPORARY BUSINESS DECISION MAKING
Field: Social Sciences and Humanities / Area: Economic Sciences

Study programme:
TOURISM MANAGEMENT
Field: Social Sciences and Humanities / Area: Management and Business

Study programme:
ADVANCED SECURITY SYSTEMS
Field: Natural and Mathematical Sciences / Area: Computer Science

Study programme:
INTELLIGENT SOFTWARE ENGINEERING
Field: Technical and Technological Sciences / Area: Electrical and Computer Engineering

Study programme:
ENVIRONMENT AND SUSTAINABLE DEVELOPMENT
Field: Natural and Mathematical Sciences / Area: Environmental Sciences

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LET'S BUILD YOUR SUCCESS TOGETHER!

Meet Singidunum University!

All programmes of master and doctoral studies that are conducted in both Serbian and English are accredited in accordance with the Law on Higher Education by the Commission for Accreditation and Quality Assurance of Serbia. Teaching is realized through a blended model, i.e. traditionally (ex-cathedra) and online with the support of the Microsoft Teams platform.

Singidunum University is the first private university accredited under the Law on Higher Education, with more than 10,000 students. The University premises include 20 amphitheaters, 50 lecture halls, and 13 computer rooms, i.e. around 17,000 m2 of high-quality space, equipped with necessary computer and Internet infrastructure, as well as audio-video amenities.

Since our founding, we have focused on the education of professionals in various fields, who would be competitive and contribute their knowledge to the social and economic development and modernization of Serbia. Our study programmes are fully compliant with the Bologna Declaration principles and thus enable the European Credit Transfer System (ECTS).

Our teaching programs classes are taught by over 300 notable professors from the country and abroad. Singidunum University successfully cooperates with distinguished higher education institutions from both the USA and Europe, as well as with the leading representatives of the Serbian business community. That is why the majority of our students can easily secure employment immediately upon graduation.

Our mission is to transfer knowledge through modern curricula modeled on the curricula of academic institutions in developed countries while respecting the quality of the traditional education system in Serbia. We have created programmes that can meet the needs of the contemporary labour market, in order to provide our students with both practical and theoretical knowledge – via practical examples and case studies – and thus facilitate their participation in the real business environment. Another evidenc of our quality is the fact that a large number of graduates of our University are employed and achieve notable results in their work in the country, as well as abroad.

WELCOME TO SINGIDUNUM UNIVERSITY!

MISSION

The mission of Singidunum University is to provide the highest academic standards and ensure the acquisition of knowledge and skills in accordance with the needs of society and planned national development.

ACCREDITED

MASTER ACADEMIC STUDIES

(60 ECTS)

ONE-YEAR MASTER STUDIES

Master studies are organised at Singidunum University for one-year duration. Programmes last for two semesters (60 ECTS) and are intended for students who have previously completed four-year academic studies and have gained 240 ECTS. The structure of the study programmes enables candidates for further educational advancement through doctoral study programmes in the country or abroad.

METHOD OF EXAMINATION

Student na master studijama polaže svaki ispit kroz 15-minutnu usmenu prezentaciju urađenu na temu koja je prethodno dogovorena sa nastavnikom zaduženim za dati predmet.

Prezentacije i materijali sa predavanja su dostupni studentima i nalaze se u folderu kome se može pristupiti preko sajta Poslediplomskih studija, odeljak Materijali za master studije.

Po odbrani master rada, kandidati stiču zvanje mastera za odabranu naučnu oblast.

- Modernly-designed curricula enrich the knowledge and skills obtained during undergraduate studies.
- A master's degree opens the door to a wide spectrum of job and career advancement prospects.
- Personalised approach to candidates, achieved via mentorship, significantly facilitates and improves learning process.
- During master studies, candidates are free to choose topics that best suit their interests.
- Work on their masters' theses provides candidates with the opportunity to start researching and thus the work also represents a preparation for doctoral studies.

WHY PURSUE A MASTER'S DEGREE?

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Professor Svetlana Stanišić, Ph.D
Head of the Department of Postgraduate Studies

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https://singidunum.ac.rs/admission-master/

This program is conducted only in **ENGLISH** language

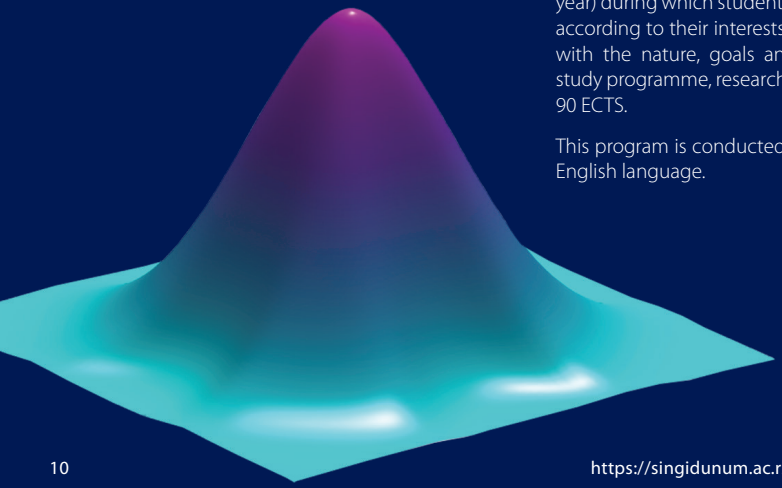
COMPUTATIONAL PHYSICS

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(90 ECTS)

MASTER OF SCIENCE IN PHYSICS

The study programme of Computational Physics at master academic studies represents a part of the modern educational system and aims to train experts in the field of physical sciences with an emphasis on elementary particle physics and astrophysics and the application of modern computer and mathematical methods in them. This study programme also aims to connect the field of computing with the fields of experimental natural sciences characterized by working with large amounts of data.

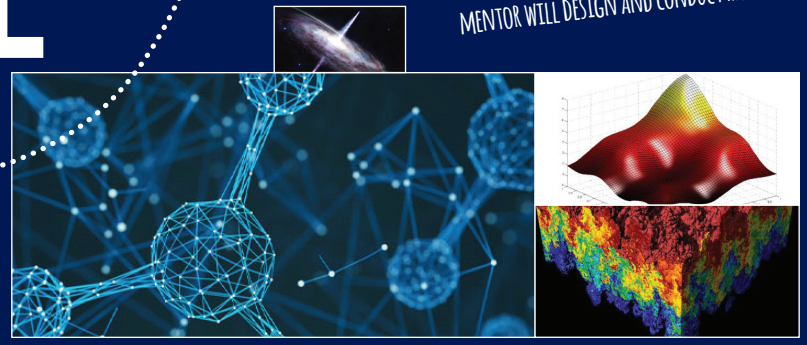


The purpose of this program is to introduce students to advanced statistical methods in the field of physical sciences (elementary particle physics and astrophysics) and enable them to develop algorithms, work with simulations and analyze data at a high scientific level. The student will learn how to draw conclusions about physical processes from experimental or simulated data on the examples of two disciplines.

The study programme lasts 3 semesters (1,5 year) during which students are able to choose according to their interests and in accordance with the nature, goals and outcome of the study programme, research topics and achieve 90 ECTS.

This program is conducted in the Serbian and English language.

THE BIGGEST ADVANTAGE OF OUR PROGRAMS IS FREEDOM OF CHOICE, WHICH MEANS THAT CANDIDATE CHOOSES THE AREAS WITHIN WHICH HE OR SHE AND HIS OR HERS MENTOR WILL DESIGN AND CONDUCT RESEARCH.



I semester

N°	Course title	ECTS
1.	Quantum Mechanics	10
2.	Astrophysics and Cosmology	10
3.	Elective course 1	10
	Numerical and Statistical Analysis in Physics	
	Mathematical Methods in Physics	

II semester

N°	Course title	ECTS
4.	Computatational Particle Physics	10
5.	Computatational Astrophysics	10
6.	Elective course 2	10
	Algorithms and modeling techniques	
	Modern computer systems	

III semester

N°	Course title	ECTS
7.	Study research paper	12
8.	Student internship	3
9.	Master thesis – subject	12
10.	Master thesis	3

This program is conducted in **SERBIAN & ENGLISH** language

BUSINESS ECONOMICS

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(60 ECTS)

MASTER OF SCIENCE IN ECONOMICS

Elective study program options
BUSINESS ECONOMICS:

- A ▶ AUDIT AND FORENSICS
- M ▶ MARKETING AND TRADE
- H ▶ HUMAN RESOURCES MANAGEMENT
- F ▶ FINANCE AND BANKING

The Business Economics study programme enables students to acquire advanced theoretical and practical knowledge necessary for taking an active role in the transition processes in Serbia and abroad. This program is conducted in Serbian and English. Students enjoy the privilege of learning from the most distinguished professors and experts in the field of applied economics which engage students in creative problem solving, making and implementing decisions in the field of finance and banking, accounting, audit and forensics, marketing and trade, and human resources management thus meeting the current demands on the market.

Students who opt for this program will be trained for faster and easier acquiring of professional positions in finance (CFA - Charted Financial Analyst, investment advisor, investment manager, independent appraiser, broker, and licensed real estate agent), risk management (PRM - Professional Risk Manager), internal audit (CIA -Certified Internal Auditor), accounting (such as: CIMA -Charted Institute of Management Accountants qualifications, CIMA BA - Certificate in Business Accounting, CIMA professional qualifications, ACCA -Certification of Association of Chartered Certified Accountants) and forensic accounting (CFE -Certified Fraud Examiner).

Also, these professions are highly promising due to the fact that the implementation of the EU directives in the field of finance, accounting and management will involve the recruitment of candidates with the title of Master of Science in Economics.

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I semester

N°	Course title	ECTS
1.	Research methodology in social sciences	6
2.	Advanced macroeconomics	6
3.	Organizational development and change management	6
4.	Elective course 1	8
F	Equity valuation	
H	Business ethics and conflict management	
M	Contemporary methods of marketing analytics	
A	Principles and methodology of external, internal and forensic auditing	

II semester

N°	Course title	ECTS
5.	Elective course 2	8
F	Risk allocation models in financial operations	
H	Sustainable business practices in human resources management	
M	Marketing and trade in digital environment	
A	Forensics in digital environment	
6.	Study research paper	8
7.	Practical training	6
8.	Master's Thesis	12

This program is conducted in **SERBIAN & ENGLISH** language

BUSINESS SYSTEMS IN TOURISM AND HOSPITALITY

THE BIGGEST ADVANTAGE OF OUR PROGRAMS IS FREEDOM OF CHOICE, WHICH MEANS THAT CANDIDATE CHOOSES THE AREAS WITHIN WHICH HE OR SHE AND HIS OR HERS MENTOR WILL DESIGN AND CONDUCT RESEARCH.

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(60 ECTS)

MASTER OF SCIENCE IN ECONOMICS

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Business Systems in Tourism and Hospitality study program provides candidates with an opportunity to learn from distinguished professors and experts in the field of tourism and hospitality, thus gaining contemporary knowledge for a successful career in hotels, travel agencies, tourism organizations, food and beverage sectors, internal control management, etc. The program is administered both in the Serbian and English language.

The Faculty of Tourism and Hospitality Management is an affiliate member of the World Tourism Organization (UNWTO).

The Singidunum University library being a reference regional electronic library of the World Tourism Organization (UNWTO) has a collection of the best field relevant and scientific literature in the field of tourism and hospitality.

World Tourism Organization awards quality certificates to Bachelor and Master study programs in Tourism and Hospitality.

I semester

N°	Course title	ECTS
1.	Social research methodology	6
2.	Tourism market	8
3.	Sustainable development in tourism and hospitality	8
4.	Elective course 1	6
	Organizational and business operations in contemporary tourism market	
	Strategic positioning of hotel companies	

II semester

N°	Course title	ECTS
5.	Elective course 2	6
	Intelligent application software in tourism	
	Food safety in hospitality	
6.	Practical training	6
7.	Study research paper	8
8.	Master's thesis	12

This program is conducted in **SERBIAN & ENGLISH** language

CONTEMPORARY INFORMATION TECHNOLOGIES

THE BIGGEST ADVANTAGE OF OUR PROGRAMS IS FREEDOM OF CHOICE, WHICH MEANS THAT CANDIDATE CHOOSES THE AREAS WITHIN WHICH HE OR SHE AND HIS OR HERS MENTOR WILL DESIGN AND CONDUCT RESEARCH.

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(60 ECTS)

MASTER OF SCIENCE IN INFORMATICS

The Contemporary Information Technology master academic studies program is part of a modern educational system that will provide staff with a high degree of expertise to perform complex and creative tasks using modern software technologies. The study program is in accordance with the highest academic and industry standards. Furthermore, it is fully compliant with the recommendations prescribed by the Computer Science Curricula 2013 and Cybersecurity Curricula 2017, which will provide students with full horizontal and vertical mobility with other similar study programs, both at home and abroad. Through the courses provided by the curriculum, students will master the principles and technologies upon which computer systems are based. They will also study the concepts of complex software architectures, which are used for the design and implementation of complex systems, using modern programming languages. Through elective courses, it is possible to focus on an algorithmic approach towards solving practical problems. or on today's especially current technologies focusing on security within computer systems. Through courses that emphasize the algorithmic approach towards problem-solving, students will be trained in the application of data processing techniques, their visualization, computer modeling, as well as classification and optimization methods to reach intelligent conclusions. In elective courses related to security, they will learn about cryptographic data protection mechanisms, security risks and security techniques in modern business solutions and modern technologies that guarantee Internet services with the anonymity of participants in communication are studied. During their studies, students will acquire skills and the opportunity to obtain globally recognized IT certificates from world-renowned vendors, such as Microsoft, Oracle, CompTIA, and others.

I semester

N°	Course title	ECTS
1.	Scientific research methodology	6
2.	Modern Computer Systems	6
3.	Advanced Software Architectures	6
4.	Elective course 1 Algorithms and Modeling Techniques Advanced Computer Security Concepts	6
5.	Elective course 2 Intelligent Systems Cryptographic key management	6

II semester

N°	Course title	ECTS
6.	Elective course 3 Security Mechanisms and Concepts of Blockchain Architecture Data Mining	6
7.	Study Research Paper	8
8.	Student Internship	6
9.	Master Thesis	10

This program is conducted in **SERBIAN & ENGLISH** language

ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(60 ECTS)

MASTER ANALYST OF ENVIRONMENTAL PROTECTION

This master's study programme aims to educate a new profile of experts in the context of increasing endangerment the environment is facing, obvious obstacles to further development, and tendencies of contemporary science and technology to minimize levels of pollution and degradation, and to protect natural conditions and civilization values. The goal of this study programme is also to connect the knowledge of environmental protection with the concept of sustainable development, which is a precondition for human survival and progress. It is the right choice for all those who want to be educated to solve current practical problems in this field, through understanding new technologies in the area of ecological engineering, mechanisms for mitigating and slowing climate change effects on ecosystems, resource management and ecological politics principles. A need for a Master of Science in Environmental Protection – Environmental Protection Analyst exists in relevant institutions dealing with water, air and soil analysis and quality control, and the analysis and assessment of anthropogenic effects on the environment. This kind of educational profile is especially important to state agencies and inspections, but also exists in teams working on the establishment of environmental protection systems and polluted ecosystem remediation. In addition, future experts will be able to find employment in the private sector, environmental protection consulting companies and civil sector, but also in education sector, where there is a growing need for this educational profile, and in international organisations.

THE BIGGEST ADVANTAGE OF OUR PROGRAMS IS FREEDOM OF CHOICE, WHICH MEANS THAT CANDIDATE CHOOSES THE AREAS WITHIN WHICH HE OR SHE AND HIS OR HERS MENTOR WILL DESIGN AND CONDUCT RESEARCH.

I semester

N°	Course title	ECTS
1.	Scientific research methodology	6
2.	Contemporary Methods of Environmental Data Processing	6
3.	New technologies in ecological engineering and management	6
4.	Modern methods of environmental observation	6
5.	Elective course 1	6
	Climate change adaption and mitigation	
	Ecological safety	

II semester

N°	Course title	ECTS
6.	Elective course 2	6
	Urban space management	
	Green infrastructure	
7.	Study research paper	8
8.	Practical training	6
9.	Master's thesis	10

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DOCTORAL STUDIES

(180 ECTS)

Doctoral studies last for 3 years (180 ECTS) and are intended for candidates who have obtained a master's degree (300 ECTS) or have already achieved 300 ECTS (5 years of study) in bachelor studies with an average grade (GPA) of 8.00 or higher. In addition, because of the use of foreign literature, it is assumed that candidates have a good a command of the English language.

EXAMINATION PROCEDURE

By mastering this program the student acquires the ability to analyze and predict solutions and consequences in the relevant scientific field, masters research methods, procedures, and processes, develop critical and self-critical thinking and approach, learns to apply acquired knowledge in practice, and finally develops professional ethics as well as communication skills through cooperation with the narrower and international scientific environment.

Also, the graduate in this study program thoroughly knows and understands the broader issues that are fundamental for the field he studied and within which he conducted research. The graduate is prepared to solve specific problems using scientific methods and procedures and also to follow the latest scientific research and apply innovations in the field of his research.

- The candidate is acquainted with modern achievements in the selected field.
- The candidate acquires references for an academic career through scientific-research work.
- The candidate develops critical thinking and is capable of communicating scientific and research results (scientific journals and conferences) or creating new scientific and technical solutions.
- The candidate is able to independently lead original and scientifically relevant research or to participate in domestic and international scientific projects.

WHY PURSUE A PHD DEGREE?

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Professor Svetlana Stanišić, Ph.D
Head of the Department of Postgraduate Studies

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CONTEMPORARY BUSINESS DECISION MAKING

This program is conducted in **SERBIAN & ENGLISH** language

FIELD: SOCIAL SCIENCES AND HUMANITIES
AREA: ECONOMICS

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(180 ESPB)

PhD - ECONOMIC SCIENCES

Elective study program options
BUSINESS ECONOMICS:

- ACCOUNTING AND AUDIT
- FINANCE AND BANKING

The study programme of doctoral studies CONTEMPORARY BUSINESS DECISION-MAKING IN FINANCE AND BANKING, namely ACCOUNTING AND AUDITING, should enable the acquisition of scientific and academic skills, the development of creative abilities, and mastery of practical skills necessary for successful career development in financial management systems, government system, and other organizations and structures.

Through theoretical and methodological approaches, students acquire scientific abilities and academic skills that they can use to improve the financial market. Through acquaintance with the results of scientific research projects and work within projects students deepen their knowledge in the field of FINANCE AND BANKING and ACCOUNTING AND AUDIT.

The goals of this study program are in line with modern scientific achievements in the field of management, especially finance and banking, accounting, and auditing, which provides the necessary competence to perform theoretical and practical activities.

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FIRST YEAR

N°	Course title	ECTS
1.	Quantitative Methods In Scientific Research	10
2.	Research Paper 1	10
3.	Contemporary Finance Theories	8
4.	Business Models in a Digital Environment	8
5.	Research Paper 2	4
6.	Elective course 1	10
	Advanced Financial Reporting	
	Money, Banking And Financial Markets	
7.	Elective course 2	10
	Accounting Analysis	
	Econometric Modelling	

SECOND YEAR

N°	Course title	ECTS
8.	Contemporary Investment Theories	8
9.	Contemporary Tendencies in the Global Economy	8
10.	Research Project	4
11.	Elective course 3	10
	Accounting for Strategic Decision Making	
	Financial Engineering	
12.	Elective course 4	30
	Scientific-Research Project with Scientific Methodology in Accounting and Auditing	
	Scientific-Research Project with Scientific Methodology in Banking and Finance	

THIRD YEAR

N°	Course title	ECTS
13.	Doctoral Thesis Research	30
14.	Completion and Defense of Doctoral Thesis	30

This program is conducted in **SERBIAN & ENGLISH** language

TOURISM MANAGEMENT

FIELD: SOCIAL SCIENCES AND HUMANITIES
AREA: MANAGEMENT AND BUSINESS

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(180 ECTS)

PhD - MANAGEMENT AND BUSINESS

The doctoral study programme MANAGEMENT IN TOURISM should enable the acquisition of scientific abilities and academic skills, development of creative abilities, and mastery of special practical skills necessary for successful career development in the field of complex systems management in tourism, government and other organizations and structures as well as research institutions, faculties, and colleges.

The general purpose of the doctoral study program MANAGEMENT IN TOURISM is the development of science, critical thinking and education of professionals trained to independently conduct original, and scientifically relevant research and develop new procedures that contribute to the general development of society and critically evaluate the research of others.

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FIRST YEAR

N°	Course title	ECTS
1.	Quantitative Methods In Scientific Research	10
2.	Contemporary Trends in Tourism	10
3.	Research Paper 1	10
4.	Strategic Management	10
5.	Research Paper 2	10
6.	Elective course 1	10
	Strategic Marketing in Tourism	
	Financial Markets in Tourism	

SECOND YEAR

N°	Course title	ECTS
7.	Elective course 2	10
	Business Decision Making in Tourism	
	Crisis Management in Tourism	
8.	Elective course 3	10
	Culture and Tourism	
	Internet and Global Tourism Regions	
9.	Research Project	10
10.	Elective course 4	30
	Scientific-Research Project with Methodology in the Field of Management and Marketing of Tourism Destinations	
	Scientific-Research Project with Methodology in the Field of Organisation and Business Activities of Tourism Companies	

THIRD YEAR

N°	Course title	ECTS
11.	Doctoral Thesis Research	30
12.	Completion and Defense of Doctoral Thesi	30

This program is conducted in **SERBIAN & ENGLISH** language

ADVANCED SECURITY SYSTEMS

FIELD: NATURAL AND MATHEMATICAL SCIENCES
AREA: COMPUTER SCIENCE

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(180 ECTS)

PhD - COMPUTER SCIENCE

The aim of the study programme is to educate highly professional scientists who can treat the problems of advanced cryptosystems with a rigorous theoretical and mathematical apparatus based on Shannon's information theory, Kolmogorov's theory of complexity, as well as the most modern theoretical settings of distributed hypothesis testing systems within modern computer communication networks.

One of the important goals of this study program is to develop candidates' ability to formulate advanced cryptosystems in a way that is recognizable in other related scientific disciplines such as information theory, security coding theory, statistical solutions theory, complexity theory, discrete optimization, and artificial intelligence. In this way, a critical scientific-methodological framework necessary for solving extremely complex problems that underlie the analysis and synthesis of advanced cryptosystems is acquired.

The purpose of the study program ADVANCED PROTECTION SYSTEMS is the development of new scientific methods of analysis and synthesis of cryptosystems, systems for authentication, and detection of security breaches in modern computer systems, as well as the development of critical thinking in evaluating existing systems, methods and solutions.

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FIRST YEAR

№	Course title	ECTS
1.	Quantitative Methods in Scientific Research	10
2.	Advanced Cryptosystems 1	10
3.	Research Paper 1	10
4.	Cryptanalysis 1	10
5.	Research Paper 2	10
6.	Elective course 1	10
	Advanced Cryptosystems 2	
	Computability and Complexity	

SECOND YEAR

№	Course title	ECTS
7.	Elective course 2	10
	Cryptanalysis 2	
	Biometric Systems	
8.	Elective course 3	10
	Computer Networks Intrusion Detection Systems	
	Steganographic Systems	
	Physical layer security	
9.	Research Project	10
10.	Elective course 4	30
	Scientific-Research Project in the field of Cryptosynthesis	
	Scientific-Research Project in the field of Cryptanalysis	

THIRD YEAR

№	Course title	ECTS
11.	Doctoral Thesis Research	30
12.	Completion and Defense of Doctoral Thesis	30

This program is conducted in **SERBIAN & ENGLISH** language

INTELLIGENT SOFTWARE ENGINEERING

FIELD: TECHNICAL AND TECHNOLOGICAL SCIENCES
AREA: ELECTRICAL AND COMPUTER ENGINEERING

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(180 ECTS)

PhD - ELECTRICAL AND COMPUTER ENGINEERING

The aim of the study programme is for students to achieve scientific competencies and academic skills in the field of intelligent software systems development. This includes the development of creative problem-solving skills and critical thinking skills.

The aim of the study program is to educate highly professional scientific professionals, who can enhance the development of intelligent software systems with a suitable theoretical and mathematical apparatus of artificial intelligence, especially based on machine learning, as well as the most modern theoretical settings of distributed software systems.

One of the important goals of this study program is to develop the ability of candidates to look at the development of intelligent software systems, both from the aspect of scientific disciplines on which artificial intelligence and software engineering rely and from the aspect of selected specific areas of application. In this way, an appropriate scientific and methodological framework suitable for solving theoretical and practical problems, which underlie the analysis and synthesis of intelligent software, is acquired.

The goal of the study program is also to train students for teamwork and to develop the ability to communicate and present their original results to the scientific public.

The goal of the study program is in line with the basic goals of the University - to educate and train staff, who will have an enviable level of knowledge that would enable them to be competitive in the labor market.

Scan QR code

FIRST YEAR

N°	Course title	ECTS
1.	Advanced Artificial Intelligence	10
2.	Advanced Software Engineering	10
3.	Research paper 1	10
4.	Advanced Machine Learning	10
5.	Research paper 2	10
6.	Elective course 1	10
	Advanced distributed optimization	
	Advanced Computational Geometry	
	Advanced sensor networks	

SECOND YEAR

N°	Course title	ECTS
7.	Elective course 2	10
	Virtual reality	
	Blockchain technology and systems	
	Interaction design based on user experience	
8.	Elective course 3	10
	Intelligent software development systems	
	Intelligent space-time systems	
	Intelligent computer control systems	
9.	Research Project	10
10.	Elective course 4	30
	Scientific Research Project in the Field of domain-specific intelligent software systems	
	Scientific Research Project in the Field of methods and techniques of developing intelligent software systems	

THIRD YEAR

N°	Course title	ECTS
11.	Doctoral Thesis Research	30
12.	Completion and Defense of Doctoral Thesis	30

ENVIRONMENT AND SUSTAINABLE DEVELOPMENT

This program is conducted in **SERBIAN & ENGLISH** language

FIELD: NATURAL AND MATHEMATICAL SCIENCES
AREA: ENVIRONMENTAL SCIENCES

UPON SUCCESSFUL GRADUATION,
THE STUDENTS WILL OBTAIN THE ACADEMIC TITLE:

(180 ECTS)

PhD - ENVIRONMENTAL SCIENCES

The study programme of doctoral academic studies ENVIRONMENT AND SUSTAINABLE DEVELOPMENT aims to train students for scientific research work in the field of environmental protection and sustainable development. The curriculum enables students to acquire knowledge, skills, and abilities to analyze the state of the environment and create advanced models of sustainable development through independent scientific work.

The purpose of the study program ENVIRONMENT AND SUSTAINABLE DEVELOPMENT is the application and development of modern scientific approaches in scientific fields such as environment and sustainable development, as well as the development of critical thinking in the evaluation of existing systems, methods, and solutions in the field of scientific and applied projects.

DOCTOR OF SCIENCE - SCIENCES ON ENVIRONMENTAL PROTECTION has the following competencies: leading a research team, education in higher education institutions; management of companies, state and local administrations and agencies in the field of environmental protection and sustainable development; participation in the team for the design of environmental protection systems, individual components and processes that achieve the goals of protection and improvement of the environment; leading or participating in scientific research and applied eco-projects; work in a multidisciplinary team, dealing with environmental problems, analyzing and proposing sustainable solutions.

Scan QR code

FIRST YEAR

N°	Course title	ECTS
1.	Environmental Data Science	10
2.	Environment and Sustainable Development	10
2.	Study Research Work 1	10
3.	Advanced Instrumental Methods in Environmental Science – Selected Chapters	10
4.	Study Research Work 2	10
5.	Elective course 1	10
	Advanced Conservation Methods	
	Biodiversity Conservation and Climate Change	

SECOND YEAR

N°	Course title	ECTS
7.	Elective course 2	10
	Contemporary Ecodesign Methods	
	Urban Ecodesign	
8.	Elective course 3	10
	Economics and Policy of Environmental Protection	
	Economic and Social Aspects of Sustainable Development	
9.	Study Research Work 3	10
10.	Elective course 4	30
	Scientific - Research Project with Scientific Methodology – in Environmental Protection	
	Scientific - Research Project with Scientific Methodology – in Sustainable Development	

THIRD YEAR

N°	Course title	ECTS
11.	Doctoral Thesis Research	30
12.	Completion and Defense of Doctoral Thesis	30

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INTERNATIONAL COOPERATION

INTERNATIONAL OFFICE - SINGIDUNUM UNIVERSITY
CONTACT US

Phone: 011/30 94 041, E-mail: internationaloffice@singidunum.ac.rs

Erasmus+

This project is funded by the European Union.

The International Office of Singidunum University has initiated cooperation with educational and scientific institutions in many countries through a wide range of activities.

Agreements on cooperation

Aiming to continuously improve the quality of studies, the University cooperates with educational and scientific institutions worldwide. International cooperation, in addition to sharing knowledge and experiences, encourages the mobility of our students, graduates and teachers. Further enhancement of international cooperation is one of the strategic objectives of the University.

- Beijing Institute of Technology, China
- Budha School of Creative Studies, India
- Cyprus Institute of Technology, Cyprus
- Cyprus University of Technology, Cyprus
- D.A. Tsenov Academy of Economics, Svishtov, Bulgaria
- Dalian Neusoft Institute of Information, China
- Dimitrie Cantemir Christian University, Romania
- EISTI-Graduate School in Computer Science and Mathematics Engineering, Cergy Pontoise, France
- Faculty of Law from Cluj-Napoca of Dimitrie Cantemir Christian University, Romania
- Frankfurt University of Applied Sciences, Germany
- Guandarma University, Indonesia
- Guglielmo Marconi University, Italy
- Hellenic American University, USA
- Herzing University, USA
- Italian Cultural Institute in Belgrade, Serbia
- Kahramanmaras Sutcu Imam University, Turkey
- Kauno Kolegija/ University of Applied Sciences, Lithuania
- Kwantlen Polytechnic University, Surrey, British Columbia, Canada
- Liepaja University, Latvia
- Moscow Institute of Linguistics, Russia
- Obuda University Budapest, Hungary
- Open University of Cyprus, Cyprus
- Opole University of Technology, Poland
- Plekhanov Russian University of Economics, Russia
- Richmond The American International University in London, UK
- Riga Technical University, Latvia
- Russian State University of Trade and Economics, Russia
- St.Cyril and St. Methodius University of Veliko Tarnovo, Bulgaria
- Technical University of Crete, Greece
- Technical University of Hamburg, Germany
- The University of Basilicata (Università degli Studi della Basilicata), Italy
- Universita degli Studi di Salerno, Italy
- University American College, Skopje, Macedonia
- University College of Enterprise and Administration, Lublin, Poland
- University of Applied Sciences IMC Krems, Austria
- University of National and World Economy, Sofia, Bulgaria
- University of Primorska, Slovenia
- University of Tartu, Estonia
- University of Tourism and Management, Skopje, Macedonia
- University Sinergija, Bijeljina, Republika Srpska, BiH
- Varna University of Management, Bulgaria
- Wrocław University of Economics, Poland

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OURS SCIENTIFIC CONFERENCES

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SINGIUDNUM UNIVERSITY ORGANIZES SCIENTIFIC CONFERENCES IN THE FIELD OF ECONOMICS, TOURISM AND HOSPITALITY AND INFORMATION TECHNOLOGY.

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finiz

Singidunum University International Scientific Conference

The international scientific conference FINIZ is an ideal opportunity for all its participants to present their work and results to the general public, as well as to exchange experiences and ideas with other distinguished experts from relevant fields. The program of the scientific conference FINIZ is designed as an exchange of knowledge, applied academic models, and experiences in the field of accounting and auditing, finance and banking, marketing, and human resources.

The goal of the conference is to improve existing economic models, present and discuss topics that are current within the defined topics of the conference (accounting, internal audit, external audit, controlling, corporate finance, corporate governance, evaluation and risk, information support systems, business finance, banking, entrepreneurship, insurance, law, forensics, marketing and management, human resource management, circular economy), as well as providing a framework for future research.

SITCON

SINGIDUNUM INTERNATIONAL TOURISM CONFERENCE

The basic idea of the SITCON (Singidunum International Tourism Conference) is to expand knowledge and make scientific contributions in the field of tourism and hospitality.

The conference provides an ideal platform for the exchange of ideas and dissemination of best practices among the scientists and experts from various fields (travel agencies, tour operators, hotel enterprises and other segments of accommodation offer, transportation companies and companies related to other complementary activities, as well as representatives of tourism organizations and public sector). Every year, the SITCON conference defines a conference topic in keeping with the current trends and developments in international tourism, as well as in the tourism of Serbia.

Sinteza

Singidunum University International Scientific Conference

International Scientific Conference SINTEZA provides an ideal platform for the exchange of information and dissemination of best practices, ideas and advancements in the state-of-the-art and technical improvements in the domain of Information Technology and their applications in a range of businesses, engineering, environmental, medical, pharmaceutical, sports and educational and research fields.

New technologies such as blockchain, the Internet of Things, data science, and new scientific results related to optimization techniques, cyber security, communications security and cloud environments have already changed the work and living environment making it safer, more practical and more connected.

The SINTEZA conference is supported by the Ministry of Education, Science and Technological Development of the Republic of Serbia, it is traditionally held once a year, and in addition to regular sessions, a session for student research papers is organized.

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Singidunum University

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