

Faculty of Information Technology

**Master of
Science
in Software
Engineering**

MASTER OF SCIENCE IN SOFTWARE ENGINEERING

GENERAL INFORMATION:

Level of Studies:	Master of Science
Name of the study program:	Software Engineering
Duration of the study program:	2 years (4 semesters)
ECTS:	120 ECTS
Study:	Full time
Diploma:	Master of Science in "Software Engineering"
Language:	Albanian

TË DHËNAT E PROGRAMIT TË STUDIMIT

	FIRST SEMESTER		SECOND SEMESTER	
	COURSE	ECTS	COURSE	ECTS
1ST YEAR	Project Design and Management in Information Technology	6	Web Technology, Web Services, Concepts, Architectures, and Applications	6
	Advanced Business Intelligence	6	Information Systems Management	6
	Advanced Software Techniques in Engineering Applications	6	Advanced Computer Networks and Data Communication	6
	Introduction to Big Data	6	Database Management	6
	Advanced Research Methods in Computer Systems	6	Fundamentals of Information Security Systems / Cybersecurity Law, Compliance, and Ethics	6
	TOTAL 1ST YEAR ECTS			60
	2ND YEAR	FIRST SEMESTER		SECOND SEMESTER
COURSE		ECTS	COURSE	ECTS
Game Design and Implementation		6	Practice and Career Development	12
Internship and Career Development	6	Diploma Thesis	18	

Data Mining	6		
Thesis	6		
Information Systems Auditing	6		
TOTAL 2ND YEAR ECTS			60
TOTAL ECTS			120

EMPLOYMENT OPPORTUNITIES

A student graduating with a Master of Science in Software Engineering has a wide range of career opportunities available in various technical roles. Some career options include positions such as:

- Software Engineer/Developer
- Systems Analyst
- Website Developer
- System Analyst
- Database Administrator
- Software Development Manager
- Technical Consultant
- Quality Assurance Engineer, etc.

Students will be responsible for designing, developing, testing, and maintaining software applications and systems. They will also be responsible for designing the overall structure of software systems and ensuring they meet technical and business requirements. Additionally, they will gain skills in analyzing current computer systems and procedures within an organization and designing solutions to help the organization operate more efficiently and effectively.

TBU offers practical and employment opportunities during studies

At TBU (Tirana Business University), students are provided with employment opportunities during their study years. For Master's students, there are opportunities for career development and advancement. These employment and practical opportunities are facilitated by the support that the BALFIN Group offers to TBU as part of its network, as well as from partner companies with which TBU collaborates.

TBU collaborates with over 150 companies, law firms, or financial institutions where students can undertake internships or be employed, including:

- Tirana Bank
- BALFIN IT

- Jumbo
- Neptun
- Balfin Real Estate
- Balfin Construction
- Fashion Group Albania
- ACREM
- Spar Albania
- Raiffeisen Bank
- NOA Financo, etc.

EARLY RESERVATIONS

For Master's programs, students have the opportunity to benefit from reduced fees through early reservations. Tirana Business University offers a tuition fee reduction for students who reserve their place as early as possible.

CONTACT US

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