



Nr. Prot.: _____

Datë: ___/___/___

Institution: University of Prishtina

Academic Unit: Faculty of Mathematics and Natural Sciences

Study Program: Mathematics

Level of Studies: Bachelor

Number of ECTS Credits: 180

The Student Perspective Report aims to identify the employment opportunities and academic development prospects for graduates of the **Mathematics (BSc)** program. This program is designed to prepare professionals with strong analytical, logical, and mathematical competencies, capable of contributing to academic, economic, financial, industrial, and technological sectors.

This document reflects the commitment of the University of Prishtina to preparing highly qualified professionals who can meet the diverse demands of the labor market, both locally and internationally, while possessing strong potential for employment and further professional and academic advancement.

Employment Perspective for Graduates

No.	What is the job title and what tasks are included in this role?	Which employment sector in Kosovo typically hires professionals with this profile?	What are the opportunities for further studies in this field?	Which technologies/tools are primarily used in this profession?	Are there opportunities for international employment in this field?
1	Data Analyst – Statistical analysis, data modeling, interpretation of results, and preparation of analytical reports.	Financial institutions, telecommunications, retail companies, public and private organizations that analyze data.	MSc in Statistics, Data Science, Applied Mathematics, Business Analytics.	Advanced Excel, SQL, Python (Pandas, NumPy), R, Power BI, Tableau.	High demand in European and global markets; remote work opportunities.
2		Public and private education (primary	MSc in Mathematics Education;	GeoGebra, Desmos, Moodle,	Stable demand in EU countries; academic



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	Mathematics Teacher – Preparation of lesson plans, active teaching process, student assessment.	and secondary schools).	pedagogical training programs.	online teaching platforms.	mobility programs available.
3	Statistician – Statistical analysis, experimental design, probabilistic modeling.	Statistical agencies, banks, insurance companies, research organizations, NGOs.	MSc in Statistics, Biostatistics, Econometrics.	R, Python, SPSS, SAS, Stata.	Highly demanded in research institutes and international organizations.
4	Actuary – Risk analysis, financial and statistical modeling for the insurance market.	Insurance companies, financial institutions, pension funds.	MSc in Actuarial Science, Finance & Risk; SOA/IFoA certifications.	Excel, R, Python, risk analysis software.	Very high demand in the EU; among the most valued professions in finance.
5	Financial Analyst – Application of mathematical methods in financial markets and risk analysis.	Banks, fintech companies, investment firms, financial institutions.	MSc in Finance, Financial Engineering, Applied Mathematics.	Python, R, MATLAB, Excel, SQL.	Highly demanded in major international financial centers.
6	Risk Analyst – Assessment of operational and financial risk, strategic	Banks, insurance companies, auditing firms, large private corporations.	MSc in Risk Management, Finance, Economics.	Advanced Excel, Python, R, SQL.	High global demand, particularly in the financial sector.



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	modeling and evaluation.				
7	Mathematical Modeler / Computational Mathematician – Development of mathematical models in industry, logistics, and technical research.	IT, engineering, energy sector, manufacturing industry, scientific research.	MSc in Applied Mathematics, Computational Mathematics, etc.	MATLAB, Python, Mathematica, Maple, C/C++.	Highly demanded in technology and research centers in the EU, USA, and Canada.

Conclusion

Graduates of the **Mathematics (BSc)** program possess strong theoretical and practical preparation in applied mathematics, statistics, and mathematical modeling. These competencies enable them to successfully integrate into the labor market in Kosovo and to compete in the global job market, including research, education, finance, and technology sectors.

The program also provides a solid foundation for further studies at the master's and doctoral levels, both domestically and internationally.