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YEREVAN STATE UNIVERSITY

ЕРЕВАНСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ

## Actuarial and Financial Mathematics

Type: **Bachelor**

Programme academic year: **2025/2026**

Speciality: **056802.01.6 - Financial Mathematics**

Mode of study: **Full time**

Specialisation: **056802.01.6 - Actuarial and Financial Mathematics**

Language of study: **Հայերեն**

Qualification awarded: **Bachelor's degree in Financial Mathematics**

### General educational component

Chair code	Name of educational module	Credits
1604	German-2	2
1302	Philosophy	3
0708	Basics of Ecology and Nature Protection	2
1106	History of Armenia 2	2
1106	History of Armenia 1	2
1705	Russian Language-2	2
0002	Civil Defense and First Medical Aid in Emergency Situations	2
1608	French-2	2
1205	Չիսարեն-2	2
1803	Turkish-2	2
1401	Armenian Language and Speech Culture -1	2
1603	English-2	2

Chair code	Name of educational module	Credits
1401	Armenian Language and Speech Culture -2	2
1608	French-1	2
1205	Չինարեն-1	2
1803	Turkish-1	2
1604	German-1	2
1603	English-1	2
1705	Russian Language-1	2

Chair code	Name of educational module	Credits
1308	Basics of Psychology	2
	Քննական և ստեղծագործական մտածողություն	2
1207	Basics of Political Science	2
1311	Basics of Logic	2
0000	Basics of Applying Information Technologies	2
2203	Basics of Sociology	2
1705	Russian Language-3	2
1107	Basics of Cultural Studies	2
	Մեդիագրագիտություն	2
1603	English-3	2
1306	Հաղորդակցման հմտություններ	2
2101	Basics of Religious Studies	2
0105	Applied Statistics	2
1901	Basics of Law	2
1005	Basics of Business	2

Chair code	Name of educational module	Credits
0604	Modern Concepts of Natural Sciences	2
1302	Basics of Ethics	2

### Professional educational component

Chair code	Name of educational module	Credits
0107	Financial Risk Management	6
0107	Financial Mathematics	9
0107	Econometrics-2	6
0107	Risk Management	6
0107	Econometrics-1	6
0107	Actuarial Mathematics-2	9
0107	Decision Theory	6
0105	Applied Statistics	6
0107	Actuarial Mathematics-1	9
0107	Microeconomics	6
0105	Probability Theory-2	6
0107	Macroeconomics	3
0102	Mathematical Analysis-1	9
0107	Financial Theory	6
0112	Programming (Python)	3
0105	Probability Theory-1	6
0112	Mathematical Analysis-3	9
0107	Banking	3
0107	Economics-2	6

Chair code	Name of educational module	Credits
0104	Linear Algebra and Analytic Geometry-2	6
0102	Mathematical Analysis-2	9
0112	Computer Skills	3
0107	Economics-1	6
0104	Linear Algebra and Analytic Geometry-1	6

Chair code	Name of educational module	Credits
0112	Applications of differential equations in financial mathematics	6
0107	Time Series Analysis	6
0112	Numerical Methods	6
0107	Investment Portfolio Management	6
0107	Stochastic Finance	6
0107	Financial Engineering	6
0107	Insurance	3
0107	Accounting and Financial Accounting	3
0107	Game Theory	6
0107	Financial Risks in Digital Currencies	6
0000	Professional practice	3
0107	Actuarial Models and Methods	6
0107	Insurance Risks and Reinsurance	6
0107	Corporate Finance	3
0107	Financial Planning and Analysis	3

### **Other educational modules**

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