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YEREVAN STATE UNIVERSITY

ЕРЕВАНСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ

## Mathematics and Applications

Type: **Master**

Programme academic year: **2025/2026**

Speciality: **056101.09.7 - Mathematics**

Mode of study: **Full time**

Specialisation: **056101.09.7 - Mathematics and Applications**

Language of study: **Հայերեն**

Qualification awarded: **Master of Mathematics**

### General educational component

Chair code	Name of educational module	Credits
0309	Information Technologies in Specialization	3
0112	Research Planning and Methods	3
1602	English-1	3
1604	German-1	3
1705	Russian-1	3
1608	French-1	3
1602	English-2	3
1604	German-2	3
1705	Russian-2	3
1608	French-2	3

### Professional educational component

Chair code	Name of educational module	Credits
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0105	Probability Theory	3
0104	Current Problems of Speciality	3
0112	Harmonic Analysis	6
0112	Some Questions in Approximation Theory	6
0104	Algorithmic Algebra	3
0112	Optimization	3
0112	Bases of Numerical Signal Processing	6
0112	Applications of Integral Equations in Natural Sciences	6
0112	Functional Analysis	6
0105	Orthogonal Polynomials	3

Chair code	Name of educational module	Credits
0104	Applied Algebra	3
0105	Applied Statistics	3
0105	Random Point Processes	3
0112	Finite Elements Method	3
0112	Partial differential equations	6
0112	Spectral Theory	6
0105	Stochastic Analysis	6
0112	Applications of functional analysis in machine learning	6
0104	Theory of Linear Algebras	0
0105	Time Series	3

#### Other educational modules

Chair code	Name of educational module	Credits
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0104	Scientific Seminar	12
0112	Scientific Seminar	12
0104	Professional practice	6
0104	Master's Thesis	24

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