



ԵՐԵՎԱՆԻ ՊԵՏԱԿԱՆ ՀԱՄԱԼՍԱՐԱՆ

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 |
|------------|----------------------------|---------|
|------------|----------------------------|---------|

| | | |
|------|--|---|
| 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 |
|------------|----------------------------|---------|
|------------|----------------------------|---------|

| | | |
|------|-----------------------|----|
| 0104 | Scientific Seminar | 12 |
| 0112 | Scientific Seminar | 12 |
| 0104 | Professional practice | 6 |
| 0104 | Master's Thesis | 24 |

Address: Republic of Armenia, Yerevan, 0025, 1 Alex Manoogian
(+37460) 710000
info@ysu.am