



## Applied statistics and data science

Type: **Master**

Programme academic year: **2024/2025**

Speciality: **056201.04.7 - Statistics**

Mode of study: **Full time**

Specialisation: **056201.04.7 - Applied statistics and data science**

Language of study: **Հայերեն**

Qualification awarded: **Master of Statistics**

### General educational component

Chair code	Name of educational module	Credits
0105	Information Technologies in Specialization	3
0105	Research Planning and Methods	3
1603	English	3
1604	---	3
1705	---	3
1608	French-1	3

### Professional educational component

Chair code	Name of educational module	Credits
0105	Optimization	3
0105	Econometrics	3
0105	Գծային հանրահաշիվ և կիրառություններ	6
0105	Applied Statistics	6

Chair code	Name of educational module	Credits
0105	Data Engineering	3
0105	Python Programming language	3
0105	Bayesian statistics	6
0105	Time Series	3
0105	Multivariate Statistics	3
0105	Machine Learning-1	6
0105	Computer Vision	3
0105	Ինֆորմացիայի տեսություն	3

Chair code	Name of educational module	Credits
0105	Random processes and stochastic analysis	6
0105	Machine Learning-2	6
0105	Deep learning	6
0105	Biostatistics	6
0105	Graph neural networks	3
0105	Digital signal processing	3
0105	Մեքենայական ուսուցման նախագծերի կառավարում	3
0105	Machine Learning in Healthcare	3
0105	Additional chapters of statistics	3
0105	Reinforcement learning	3

#### Other educational modules

Chair code	Name of educational module	Credits
0105	Scientific Seminar	12

Chair code	Name of educational module	Credits
0105	Scientific Seminar	12
0105	Scientific Seminar	12
0105	Professional Practice	6
0105	Scientific Seminar	12
0105	----	24

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