

| Applied Mathematics and Informatics | | | | | | | | | | | | | | | | |
|-------------------------------------|--|-------------|-----------|---------|---------------|----------------|------------------|------------|----------|-------|--------------------|--------------|---------------|---------------|----------------|----------------------------|
| N | Course Name | Course Code | Course ID | Lang. | Prerequisites | Course credits | Classes per week | Occupation | Weekday | Time | Instructor | # of section | # of students | # of AU seats | Type of course | Required for admits (year) |
| 1 | Introduction to contemporary mathematics | MAT 130.1 | 4956 | Russian | | 6 | 2 | Lecture | Tuesday | 12:45 | Enver Atamanov | 1 | 18 | | Gened | 2024-2021 |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | |
| 2 | An introduction to probability and statistics | MAT 134 | 3345 | Russian | | 6 | 2 | Lecture | Tuesday | 9:25 | Enver Atamanov | 1 | 18 | | Gened | 2024-2021 |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Enver Atamanov | 2 | 18 | | Gened | 2024-2021 |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| 3 | Mathematics for life (eng) | MAT 135 | 3344 | English | | 6 | 2 | Lecture | Tuesday | 9:25 | Elmira Musuralieva | 1 | 18 | | Gened | 2024-2021 |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Elmira Musuralieva | 2 | 18 | | Gened | 2024-2021 |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 12:45 | | | | | | |
| Practice | Thursday | 12:45 | | | | | | | | | | | | | | |
| 4 | Linear Algebra and Analytic Geometry for Economics | MAT 131.1 | 3827 | English | | 6 | 2 | Lecture | Tuesday | 8:00 | Zarina Shapakova | 1 | 18 | LOCK | Gened | 2024 |
| | | | | | | | | Practice | Thursday | 8:00 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 8:00 | Elmira Kerimkulova | 2 | 18 | LOCK | | 2024 |
| | | | | | | | | Practice | Thursday | 8:00 | | | | | | |
| 5 | Mathematics for business and economics I | MAT 132 | 2924 | English | | 6 | 2 | Lecture | Tuesday | 9:25 | Elena Burova | 1 | 18 | | Gened | 2024 |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 9:25 | Elmira Kerimkulova | 2 | 18 | LOCK | | |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Elmira Kerimkulova | 3 | 18 | LOCK | | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Syrgak Kydyraliev | 4 | 18 | LOCK | | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| 6 | Statistics for Business (eng) | MAT 308 | 5664 | English | MAT 234 | 6 | 2 | Lecture | Tuesday | 12:45 | Syrgak Kydyraliev | 1 | 18 | | R | 2021-2023 |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 9:25 | Bakyt Urmambetov | 2 | 18 | | | |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | | | | | | |
| Practice | Thursday | 10:50 | | | | | | | | | | | | | | |
| 7 | Linear Algebra and Analytic Geometry for AMI/SFW | MAT 131.2 | 3828 | English | | 6 | 2 | Lecture | Tuesday | 10:50 | Elena Burova | 1 | 18 | | R | 2024 |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 9:25 | Polina Dolmatova | 2 | 18 | LOCK | | |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 12:45 | | | | | | |
| Practice | Thursday | 12:45 | | | | | | | | | | | | | | |

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|----|---|-----------|------|---------|---------------|---|---|----------|----------|-------|---------------------|---|----|------|-------|------|--|
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 14:10 | Taalaibek Imanaliev | 4 | 18 | LOCK | | | |
| | | | | | | | | Practice | Thursday | 14:10 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 9:25 | Zarina Shapakova | 5 | 18 | LOCK | | | |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Zarina Shapakova | 6 | 18 | LOCK | | | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | | |
| 8 | Discrete Mathematics and Mathematical Logic I | COM 227 | 3129 | English | | 6 | 2 | Lecture | Tuesday | 10:50 | Sergei Sklyar | 1 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 8:00 | Lyubov Altynnikova | 2 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 8:00 | | | | | | | |
| 9 | Discrete Mathematics | MAT 240 | 5676 | English | | 6 | 2 | Lecture | Tuesday | 9:25 | Lyubov Altynnikova | 1 | 18 | | R | 2024 | |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Lyubov Altynnikova | 2 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 12:45 | Lyubov Altynnikova | 3 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Olga Zabinyakova | 4 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 12:45 | Olga Zabinyakova | 5 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| | | | | | | | | Lecture | Tuesday | 10:50 | Jetigen Bakyt uulu | 6 | 18 | LOCK | R | 2024 | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | | |
| 10 | Physics. Computer Modeling | COM 202.1 | 4243 | English | | 6 | 2 | Lecture | Monday | 14:10 | Uzak Imanaliev | 1 | 36 | LOCK | R | 2024 | |
| | | | | | | | | Lab | Friday | 12:45 | | | 18 | | | | |
| | | | | | | | | Lab | Friday | 14:10 | | | 18 | | | | |
| 11 | Mathematical Analysis I for AMI/SFW | MAT 233.2 | 3855 | English | MAT 131.2 | 6 | 2 | Lecture | Tuesday | 12:45 | Jetigen Bakyt uulu | 1 | 6 | | R | 2023 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| 12 | Mathematical Analysis I for Economics | MAT 233.1 | 3861 | English | MAT 131.1 | 6 | 2 | Lecture | Tuesday | 12:45 | Jetigen Bakyt uulu | 1 | 6 | | Gened | 2023 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| 13 | Mathematics for business and economics II | MAT 234 | 3075 | English | MAT 132 | 6 | 2 | Lecture | Tuesday | 12:45 | Jetigen Bakyt uulu | 1 | 6 | | Gened | 2023 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| 14 | Mathematical Analysis II | MAT 316.2 | 3365 | English | MAT 233/.1/.2 | 6 | 2 | Lecture | Tuesday | 10:50 | Polina Dolmatova | 1 | 18 | | R | 2023 | |
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | | |
| 15 | Ordinary Differential Equations | MAT 332 | 3700 | English | MAT 233 | 6 | 2 | Lecture | Tuesday | 12:45 | Taalaibek Imanaliev | 1 | 18 | | R | 2023 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| 16 | Complex Variables | MAT 326 | 3699 | English | MAT 233 | 6 | 2 | Lecture | Tuesday | 12:45 | Elena Burova | 1 | 19 | | R | 2022 | |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | | |
| 17 | Functional Analysis | MAT 341 | 3724 | English | MAT 326/316.2 | 6 | 2 | Lecture | Tuesday | 10:50 | Taalaibek Imanaliev | 1 | 18 | | R | 2021 | |

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|----|---|-----------|------|---------|-------------|---|---|----------|----------|-------|-------------------|---|----|------|---|------|
| | | | | | | | | Practice | Thursday | 10:50 | | | | | | |
| 18 | Optimization Methods | MAT 435 | 3726 | English | MAT 332 | 6 | 2 | Lecture | Tuesday | 8:00 | Bakyt Urmambetov | 1 | 18 | | R | 2021 |
| | | | | | | | | Practice | Thursday | 8:00 | | | | | | |
| 19 | Internship: Work experience | MAT 479 | 4120 | English | | 3 | 1 | Lecture | Thursday | 15:35 | Olga Zabinyakova | 1 | 18 | | R | 2021 |
| 20 | Educational Internship | MAT 380 | 4121 | English | | 3 | 1 | Lecture | Thursday | 17:00 | Olga Zabinyakova | 1 | 18 | | R | 2021 |
| 21 | Senior Project Preparation I | MAT 480 | 3966 | English | MAT 370 | 3 | 1 | Lecture | Thursday | 14:10 | Sergei Sklyar | 1 | 18 | | R | 2021 |
| 22 | Operating Systems | COM 341.1 | 3325 | English | COM 119 | 6 | 2 | Lecture | Tuesday | 14:10 | Melis Osmonov | 2 | 18 | | R | 2021 |
| | | | | | | | | Lab | Tuesday | 15:35 | | | | | | |
| 23 | Numerical Methods for Equations of Mathematical Physics | MAT 410 | 3968 | English | MAT 360 | 6 | 2 | Lecture | Tuesday | 12:45 | Sergei Sklyar | 1 | 18 | | R | 2021 |
| | | | | | | | | Practice | Thursday | 12:45 | | | | | | |
| 24 | Math Modelling in Economics | MAT 333 | 3701 | English | MAT 233/234 | 6 | 2 | Lecture | Tuesday | 9:25 | Syrgak Kydyraliev | 1 | 18 | | E | 2021 |
| | | | | | | | | Practice | Thursday | 9:25 | | | | | | |
| 25 | Intensive College Algebra | MAT 100 | | English | | 6 | 2 | Lecture | Tuesday | 14:10 | TBA | 1 | 18 | LOCK | | 2024 |
| | | | | | | | | Practice | Thursday | 14:10 | | | | | | |
| | | | | | | | | Lecture | Tuesday | 14:10 | TBA | 2 | 18 | LOCK | | 2024 |
| | | | | | | | | Practice | Thursday | 14:10 | | | | | | |