**American University in Central Asia**

**Department: ECONOMICS**

CHECKLIST FOR ADMITS 2025

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| **Courses** | **Total major credits:** |
| Academic Orientation program | [2 credits]\* |
| First Year Seminar I | 4 credits |
| First Year Seminar II | 4 credits |
| Introduction to Philosophy I (part of FYS) | 2 credits |
| Introduction to Philosophy II (part of FYS) | 2 credits |
| English Composition I | 6 credits |
| English Composition II | 6 credits |
| Kyrgyz Language and Literature I | 4 credits |
| Kyrgyz Language and Literature II | 4 credits |
| Russian Language I | 2 credits |
| Russian Language II | 2 credits |
| History of Kyrgyzstan | 4 credits |
| Geography of Kyrgyzstan | 2 credits |
| Manas Studies | 2 credits |
| Natural Sciences/Second Year Seminar\*\* | 6 credits |
| Mathematics and Quantitative reasoning | 18 credits |
| Arts/Second Year Seminar\*\* | 12 credits |
| Humanities/Second Year Seminar\*\* | 12 credits |
| Social Sciences/Second Year Seminar\*\* | 12 credits |
| Sports | 400 hours/0 credits |
| **Total** | 104 [2] credits |

**\*** Credits earned for the Academic Orientation program are not included into 240 credits for graduation.

\*\*All students in their 2nd year must take one Second Year Seminar. This seminar substitutes for one required 6-credit course in either Humanities, Social Sciences, Arts or Natural Science.

\*\*\*One 6-credit course in Major requirements could be counted towards General Education requirements

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| **Major Requirements** |  |  |  |  |  |
| **Required Courses** |  |  |  |  |  |
| **Course Name** | **Course abbr.** | **Course ID** | **Credits** | **Semester** | **Prerequisites** |
| Introduction to Microeconomic Theory | ECO112.1 | 2963 | 6 | 1 | None |
| Introduction to Macroeconomic Theory | ECO122.1 | 2965 | 6 | 2 | None |
| Intermediate Macroeconomic Theory | ECO215.1 | 3081 | 6 | 3 | Introduction to Microeconomic Theory;  Introduction to Macroeconomic Theory |
| Intermediate Microeconomic Theory | ECO217.1 | 3087 | 6 | 4 | Introduction to Microeconomic Theory; I |
| Introduction to Econometrics | ECO320.1 | 3313 | 6 | 5 | Introduction to Microeconomic Theory; Introduction to Macroeconomic Theory;  Mathematical Analysis I |
| Applied Econometrics | STT411 | 3714 | 6 | 7 | Introduction to Econometrics |
| International Economics | ECO303.1 | 3309 | 6 | 5 | Intermediate Microeconomic Theory; Intermediate Macroeconomic Theory |
| Economic Development | ECO432.1 | 3504 | 6 | 6 | Intermediate Microeconomic Theory; Intermediate Macroeconomic Theory |
| Economic Research Methods | ECO309 | 3485 | 6 | 6 | Intermediate Microeconomic Theory; Introduction to Econometrics |
| Labor Economics | ECO315.1 | 3312 | 6 |  | Intermediate Microeconomic Theory; Intermediate Macroeconomic Theory |
| Senior Thesis 1 | ECO434 | 3739 | 6 |  | Intermediate Microeconomic Theory; Intermediate Macroeconomic Theory; Economic Research Methods; Introduction to Econometrics |
| Senior Thesis 2 | ECO436 | 3770 | 6 |  | Senior Thesis 1 |
| **Elective Courses** |  |  |  |  |  |
| **Course Name** | **Course abbr.** | **Course ID** | **Credits** | **Semester** | **Prerequisites** |
| Core Mathematics for Economics | ECO113 | 6173 | 6 |  | None |
| Mathematics for Economists | ECO345 | 3213 | 6 |  | Linear Algebra and Analytical Geometry;  Mathematical Analysis |
| Data Visualization | ECO336 | 5309 | 3 |  | Mathematical Economics |
| Data Analysis in Economics | ECO346 |  | 3 |  | Mathematical Economics |
| Intro to Programming with R | ECO440 |  | 6 |  | Data Visualization;  Data Analysis in Economics |
| Big Data | ECO441 |  | 6 |  | Introduction to Econometrics;  Data Analysis in Economics |
| Accounting, Banking and Finance | ECO301.9 | 4678 | 6 |  | Introduction to Microeconomic Theory; Introduction to Macroeconomic Theory |
| Money and Banking | ECO307 | 3310 | 6 |  | Intermediate Macroeconomic Theory |
| Industrial Economics and Organization | ECO426 | 3543 | 6 |  | Intermediate Microeconomic Theory; Intermediate Macroeconomic Theory |
| Financial Analysis |  |  | 6 |  | Accounting, Banking and Finance;  Money and Banking |
| National Economy (Economy of Kyrgyzstan) | ECO308 | 3311 | 6 |  | Intermediate Microeconomic Theory; Intermediate Macroeconomic Theory |
| Economics of the Public Sector | ECO408.1 | 3542 | 6 |  | Intermediate Microeconomic Theory |
| Topics on Economic Growth and Development |  |  | 6 |  | Economic Development |
| Game Theory | MAT/ECO317 | 3453 | 6 |  | Linear Algebra and Analytical Geometry;  Mathematical Economics |
| Field Experiments in Kyrgyzstan | ECO312 | 4337 | 6 |  |  |
| Agricultural Policy and International Trade | ECO312 | 4547 | 6 |  | Intermediate Microeconomic Theory |
| Political Economy of Energy | ECO/ICP336 | 3878 | 6 |  | None |
| Economics of Everything | ECO223 | 4689 | 6 |  | None |
| Further Topics in Econometrics | ECO403 | 5549 | 6 |  | Introduction to Econometrics |
| Intro to Stata | ECO340 | 5556 | 6 |  | None |

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## Graduation requirements:

To graduate with a major in Economics with a concentration, students must successfully cover major required courses (54 credits), concentration courses (24 credits), one 6 credit (300 level) elective course offered by the Economics Department, and 12 credits of Senior Thesis Seminar.

To graduate with a major in Economics without any concentration, students must successfully cover major required courses (54 credits), five 6 credit upper (three of 300 level and two of 400 level) elective courses offered by Economics Department (concentration courses count as electives), and 12 credits of Senior Thesis Seminar.

Earn at least 240 credits (+credit hours earned for program internships)

1. Complete all General Education requirements;
2. Complete all requirements for at least one major;
3. Earn no more than 102 credits of introductory (100-level) courses;
4. Complete at least 18 elective credits outside of a student’s major and General Education program;
5. Complete the required number of internship credits (the number of credits is determined by each department);
6. Pass all state graduation examinations;
7. Successfully complete and defend a senior thesis/project;
8. Receive no "F" or "N/p" grades in the final semester;

To earn an overall GPA of at least 2.0.

**Suggested Four-Year Plan for the Economics Department Students:**

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| **1st year** | |
| **Fall** | **Spring** |
| Intro to Microeconomic Theory (6)  Linear Algebra and Analytic Geometry (level 1) (6)  Core Mathematics for Economics (6)    First Year Seminar I (4)  Introduction to Philosophy I (part of FYS) (2)  English Composition I (6)  Sport (100hrs.)  **Total 30** | Intro to Macroeconomic Theory (6)  Mathematical Analysis I (level 2) (6)    First Year Seminar II (4)  Introduction to Philosophy II (part of FYS) (2)  English Composition II (6)  Arts (6)  Sport (100 hrs.)  **Total 30** |
| **2nd year** | |
| **Fall** | **Spring** |
| Intermediate Macroeconomic Theory (6)  Theory of Probabilities and Math. Statistics (6)  Second Year Seminar (any type) (6)  Kyrgyz Language and Literature I (4)  Russian Language I (2)  Humanities (6)  Manas Studies (2)  Sport (100 hrs.)  **Total 32** | Intermediate Microeconomic Theory (6)  Economics Elective/Concentration course(6)  Kyrgyz Language and Literature II (4)  Russian Language II (2)  Social Sciences (6)  History of Kyrgyzstan (4)  Geography of Kyrgyzstan (2)    Sport (100 hrs.)  **Total 30** |
| Internship 1 | |
| **3rd year** | |
| **Fall** | **Spring** |
| Intro to Econometrics (6)  International Economics (6)  Labor Economics (6)  Arts (6)  Humanities (6)  **Total 30** | Economic Development (6)  Economic Research Methods (6)  Economics Elective/Concentration course (6)  Social Sciences (6)  Natural Science (6)  **Total 30** |
| Internship 2 | |
| **4th year** | |
| **Fall** | **Spring** |
| Senior Seminar 1 (6)  Applied Econometrics (6)  Economics Elective/Concentration course (12)  Electives (6)  **Total 30** | Senior Seminar 2 (6)  Economics Elective/Concentration course (6)  Electives (18)  **Total 30** |