

GRADUATE CERTIFICATE *in* DATA ANALYTICS

OVERVIEW

The Graduate Certificate in Data Analytics offered by the Master of Science in Economics (MSE) program at the American University of Armenia will provide professionals with the skills required to be globally competitive in the field of data analysis and econometrics. Students enrolled in the program will explore introductory and advanced topics in econometrics, data management, analysis, and visualization.

PROFESSIONALS THAT COMPLETE THIS PROGRAM WILL HAVE A ROBUST KNOWLEDGE OF DATA ANALYSIS METHODS AND TOOLS, INCLUDING:

- UNDERSTANDING OF ECONOMETRIC THEORY
- WORKING KNOWLEDGE WITH REAL-WORLD DATA
- ABILITY TO FORMULATE THE RESEARCH QUESTION AND DESIGN STUDIES
- ABILITY TO DISCOVER AND PRESENT INFORMATION HIDDEN IN DATA
- WORKING KNOWLEDGE OF STATISTICAL SOFTWARE AND PROGRAMMING LANGUAGES LIKE STATA AND PYTHON

CERTIFICATE COMPLETION REQUIREMENTS

To receive a Certificate in Data Analytics (CDA), students must successfully complete all required courses with a grade of C- or better, maintain an overall minimum 3.0 grade point average (GPA), and complete all required courses in 3 years. CDA graduates who wish to pursue further study towards the MS in Economics program, may transfer their CDA courses and credits towards the MSE Program.

REQUIRED COURSES:

1. Economic Statistics (Fall 1, blended class)*, or Econometrics 1 (Spring, blended class)*
2. Financial Econometrics and Time Series Analysis (Spring, blended class)*
3. Data Scraping (Summer)
4. Advanced Econometrics 1** (Fall 2)

*Blended courses are real-time online courses. Students can attend blended courses at AUA's Yerevan campus, or from the comfort of their workplace or home. Physical presence is required during quizzes and exams.

ENROLLMENT REQUIREMENTS

To be considered for acceptance, applicants must:

1. **Submit a complete Application** for Enrollment in Certificate Programs at im.aua.am including all required supplements as outlined in the instructions.
2. Present proof of English Language Proficiency through:
 - TOEFL iBT or TOEFL iBT Home Edition Tests,
 - IELTS Academic or IELTS Academic Indicator Exams,
 - English Language Proficiency Test Waiver, or
 - Internal Assessment for Fall 2021 Applicants*

Target Scores: TOEFL 79, IELTS 6.5

3. Present official graduate standardized test from one of the following exams (including home versions):
 - GRE,
 - GMAT ,
 - GRE/GMAT Waiver, or
 - Internal Assessment*

GRE/GMAT Target Score: 50% on the Quantitative Section

* The MSE Admissions Committee will give preference to applicants who meet the English proficiency and graduate standardized text who take the exams or are approved for a Waiver.

4. Hold an undergraduate degree from an accredited or licensed institution of higher education. Students in their final year of studies are also eligible to apply.

Visit admissions.aua.am/certificate-programs for updated information on application requirements, deadlines, how to apply, tuition rates, and more.

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CDA Program

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The American University of Armenia is accredited by the WASC Senior College and University Commission, 985 Atlantic Avenue, #100, Alameda, CA 94501, 510.748.9001. In addition, AUA is affiliated with the University of California.