



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 analytics. 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 ECONOMETRICS THEORY
- WORKING KNOWLEDGE WITH THE REAL-WORLD DATA SETS
- ABILITY TO FORMULATE THE RESEARCH QUESTION AND DESIGN STUDIES
- ABILITY TO DISCOVER AND PRESENT INFORMATION HIDDEN IN THE 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 the below listed graduate courses with a grade of C- or better in each course and maintain an overall minimum 3.0 grade point average (GPA). 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 coursework for the completion of CDA must be finished in 3-years period, after starting the program.

Required Courses:

- *Economic Statistics (Fall 1, blended class)**
- *Financial Econometrics and Time Series Analysis (Spring, blended class)**
- *Data Scraping (Summer)*
- *Limited-Dependent and Quantitative Data Analysis** (Fall 2)*

* Blended courses are real-time online courses. Students can attend blended courses at AUA Yerevan campus, or from their workplace or home. During the quiz and exams, physical presence at AUA is required.

** Topics in Applied Health Econometrics is the name of the course currently being offered.

ENROLLMENT REQUIREMENTS

To be considered for acceptance, applicants must:

Submit a complete Application for Enrollment in Certificate Programs at im.aua.am including all required supplements as outlined in the instructions.

Present valid and official results confirming English Language Proficiency typically through the TOEFL iBT (minimum score of 68*) or IELTS Academic (minimum score of 6.0*). Native and near native speakers are eligible for a waiver. Present an official GRE or GMAT score at a minimum of 50th percentile on the quantitative section. The score is valid only if the test date was less than five years before the application submission date. AUA graduate alumni are eligible for a waiver.

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.

The required coursework for the completion of CDA must be finished in 2-years period, after starting the program.

Check AUA website for Application Submission Deadlines.

Fees are calculated per credit unit, as per university policy.

www.aua.am