



MSc in Statistical Data Science



Athens University of Economics and Business

Contemporary Postgraduate Studies of International Reputation

Who are we



The Department consists of 23 faculty members, covering a wide range of subjects: **Data Analysis, Stochastic Analysis, Computational Statistics, Bayesian Statistics, Biostatistics, Stochastic Epidemiological Models, Psychometry, Sports, Sampling, Environmental Statistics, Statistics in Ecology, Time Series, Financial Models.**

Why Choose MSc in Statistical Data Science?



- **QS Rankings 2022** for the Department of Statistics: 51+ in Europe in Statistics & OR, 34 in Europe in Employer Reputation in Statistics & OR
- **Internships** with: EY, IQVIA (in Biostatistics), FSFHellas (in Biostatistics)
- **Collaboration** with: Nestlé, Motodynamics/Sixt, Mastercard
- Thesis opportunities at universities abroad through **ERASMUS+**
- **Double Degree** with the **University of Pavia** in Statistics and Finance <https://www.aueb-stats.com/dd-aueb-pavia>
- **Double Degree** with the **University of Naples** in Statistics and Statistical Science for Decisions <https://www.aueb-stats.com/unina-aueb-dd>
- **Double Degree** with **Stevens Institute of Technology** in Statistics and Financial Analytics <https://www.aueb-stats.com/stevens>

Meet the program

The program lasts two semesters, plus additional one or two semesters during which the student must research and write their thesis. The Program is self-financed (tuition fees).

Courses at AUEB	ECTS
FIRST SEMESTER (all courses are compulsory)	
• Probability and Statistical Inference	7,5
• Computational Statistics	7,5
• Generalized Linear Models	7,5
• Data Analysis	7,5
Total of 1st Semester	30
SECOND SEMESTER	
<i>Cycles are now optional – If you take 15 Units from a cycle, then it is written in your transcripts that you have completed the cycle!</i>	
• 2 (out of 3) main cycle courses	15
• 4 optional courses	12
• Short courses/seminar/activities of M.Sc.	3
Total of 2nd Semester	30
Cycle A: Data Analytics	
• Health Data Science (main)	7,5
• Advanced survey sampling methods	3,0
• Statistical Quality Control	3,0
• Topics in Applied Statistics: Statistical Genetics - Bioinformatics	3,0
Cycle B: Statistical Data Science	
• Statistical and Machine Learning (main)	7,5
• Bayesian models in statistics	3,0
• Data Management	3,0
• Topics in Computational Statistics: Applied Stochastic Modeling	3,0
Cycle C: Finance & Stochastics	
• Financial Analytics (main)	7,5
• Probability Theory	3,0
• Stochastic Modeling in Finance	3,0
• Advanced Stochastic processes	3,0
• Topics in Stochastics: Stochastic Models in Operations Research	3,0
M.Sc. Thesis submitted at AUEB	30
Total	90

Additional benefits

- Competitions
- Research seminars
- Short courses (*Statistical Modelling Principles, Football Analytics, Basketball Data Science, Biostatistics short courses etc.*)
- Conference series in Aegina
- Multiple events and conferences (*AUEB Sports Analytics, OBayes2025, LMDE, Biostatistics Conference @ Aegina, Summer School in Finance, Greek Stochastics @ Folegandros*)
- SAS Certificate
- Scholarship for the top-performing student of the Master's program to pursue doctoral studies.

Find us



<https://www.instagram.com/statsaueb/?hl=en>



<https://x.com/StatAUEB>



https://www.tiktok.com/tag/aueb_stats



<https://www.facebook.com/masterst.aueb.gr/>



<https://gr.linkedin.com/company/m.sc.instatisticsathensuniversityofeconomicsandbusiness>



<https://www.youtube.com/c/AUEBStats>



<https://www.dept.aueb.gr/el/stat/content/aueb-stats-cast>



MSc in

Statistics

ATHENS UNIVERSITY OF
ECONOMICS & BUSINESS

