

**First semester - Fall Semester**

Excel for Mathematical Modeling (4 ECTS)  
Mathematical Analysis 1 (6 ECTS)  
Linear Algebra 1 (6 ECTS)  
Principles of Economics 1 (6 ECTS)  
Introduction to Philosophy (4 ECTS)  
Critical Thinking (3 ECTS)  
English Language (4 ECTS)

**Second semester - Spring Semester**

Principles of Economics 2 (6 ECTS)  
Mathematical Analysis 2 (6 ECTS)  
Probability Basics and Statistics (6 ECTS)  
Application of Software Packages in Mathematics (4 ECTS)  
Linear Algebra 2 (4 ECTS)

**Third semester - Fall Semester**

Statistics (6 ECTS)  
Linear Programming (5 ECTS)  
Microeconomics (6 ECTS)  
Introduction to Accounting (6 ECTS)  
Rhetorics (3 ECTS)  
Social Psychology (5 ECTS)

**Fourth semester - Spring Semester**

Econometrics 1 (5 ECTS)  
Numerical Methods in Economics (5 ECTS)  
Mathematical Bases for Economic Analysis (5 ECTS)  
Principles of Financial Mathematics (4 ECTS)  
Macroeconomics (6 ECTS)  
Introduction to Law (4 ECTS)

**Fifth semester - Fall Semester**

Econometrics 2 (5 ECTS)  
Optimization (6 ECTS)  
Ordinary Differential Equations (4 ECTS)  
Business Communication (4 ECTS)  
Management (5 ECTS)  
Marketing (5 ECTS)

**Sixth semester - Spring Semester**

Random Processes (6 ECTS)  
Game Theory (5 ECTS)  
Financial Mathematics (5 ECTS)  
Programming (4 ECTS)  
Economics for Managers (5 ECTS)  
Internship (11 ECTS)

**Seventh semester - Fall Semester**

Dynamic Systems in Economics (6 ECTS)  
Graph Theory (6 ECTS)  
Corporate Finance (5 ECTS)  
Financial Institutions and Markets (4 ECTS)  
First Elective Course

**Eight semester - Spring Semester**

Capstone (6 ECTS)  
Public Finance (4 ECTS)  
Second Elective Course  
Third Elective Course  
Undergraduate Thesis (12 ECTS)