

Business Analytics Master programs

A one-year Master program in Business Analytics (BA)

Courses for stream 1: Major BA Students with a Bachelor's degree

Semester 1 (30 credits) : M2

- MBA 501: Advanced Decision and Game Theory
- MBA 505: Business Optimization
- MBA 527: Advanced statistical methods
- MBA 512: Machine learning
- MBA 519: Big data analytics
- MBA 523: Neural networks & deep learning

Semester 2 (30 credits)

MBA 540: Master Thesis

A two-year Master program in BA

Stream 2: Students with License / engineering or non BA students

Semester 1: (30 credits) : M1

- BA 300: Decision and Game Theory
- BA 340: Data Analytics
- BA 410: Network Analysis
- BA 305: Production & Operations Management
- BA 350: Econometrics

Semester 2 (30 credits) : M1

- BA 310: Operations Research
- BA 360: Web mining
- BA 320: Time series analysis
- BA 351: Advanced econometrics
- BA 325: Business simulation

Semester 3 (30 credits) : M2

- MBA 501: Advanced Decision and Game Theory
- MBA 505: Business Optimization
- MBA 527: Advanced statistical methods
- MBA 512: Machine learning
- MBA 519: Big data analytics
- MBA 523: Neural networks & deep learning

Semester 4 (30 credits)

MBA 540: Master Thesis

A two-year Master program in BA
Stream 3: Minor BA Students with a Bachelor's degree

Semester 1: (30 credits) : M1

- MBA 501: Advanced Decision and Game Theory
- MBA 527: Advanced statistical methods
- BA 410: Network Analysis

Semester 2 (30 credits) : M1

- BA 310: Operations Research
- BA 351: Advanced econometrics
- BA 325: Business simulation
- BA 360: Data mining (for IT and Accounting major students)
- BA 320: Time series analysis (for Marketing major students)

Semester 3 (30 credits) : M2

- MBA 505: Business Optimization
- MBA 512: Machine learning
- MBA 519: Big data analytics
- MBA 523: Neural networks & deep learning

Semester 4 (30 credits)

MBA 540: Master Thesis