| First Year | | | | | |
|---|---|---|---|---|---|
| **Semester I** | | | **Semester II** | | |
| **Subject** | **ECTS** | **Type of assessments** | **Subject** | **ECTS** | **Type of assessments** |
| Mathematical Modeling and Graph Theory | 8 | E | Computational Models with Applications in Econometrics and Actuarial Science | 8 | E |
| Ethics and academic integrity | 3 | C | Modern Techniques of Digital Image processing | 8 | E |
| Software Engineering | 8 | E | Advanced Database Systems | 6 | E |
| Optimization Techniques | 5 | C | Computational Intelligence | 8 | C |
| Computer Networks: Algorithms and Applications | | | Project Management | | |
| Economic Linear Models | 6 | C | | | |
| Service Oriented Distributed Architectures | | | | | |

| Second Year | | | | | |
|---|---|---|---|---|---|
| **Semester I** | | | **Semester II** | | |
| **Subject** | **ECTS** | **Type of assessments** | **Subject** | **ECTS** | **Type of assessments** |
| Pattern Recognition | 6 | E | Distributed Computing - Principles and Algorithms | 8 | E |
| Electronic Commerce and Marketing | 6 | C | Design and Implementation of Software Distributed Systems | 8 | E |
| Mathematical Methods in Signal Processing | 8 | E | Preparation of the Dissertation Thesis | 4 | V |
| System testing and validation | 5 | | Proffesional practice | 4 | V |

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|---|---|---|---|---|---|
| Advanced Information Security Techniques | | E | Cryptography and Security of Computer Networks | 6 | E |
| Economic Modelling Processes | 5 | C | Machine Learning | | |
| Methods in Teaching Information Technology | | | | | |