

### Semester 1

Analysis 1
Algebra 1
Algorithms and data structure 1
Machine structure 1
Scientific terminology and written expression
Foreign language 1
Electronics and system components

### Semester 2

Analysis 2
Algebra 2
Algorithms and data structure 2
Machine structure 2
Introduction to probability and descriptive statistics
Information and Communication Technology
Programming tools for mathematics
Physics 2 (general electricity)

### Semestre 3

Computer architecture
Algorithms and data structure 3
Information system
Graph theory
Numerical methods
Mathematical logic
Foreign language 2

### Semestre 4

Theory of languages
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**Semestre 5**

Operating system 2
Compilation
Software engineering
Human Machine Interface
Linear programming
Probability and statistics
Digital economy and business intelligence

**Semestre 6**

Mobile applications
IT Security
Artificial intelligence
Semi-structured data
Project
Scientific writing
Create and develop a startup