



University of Craiova
INTERNATIONAL RELATIONS OFFICE

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Course Offerings

Courses taught in foreign languages
at the University of Craiova

FACULTY OF AUTOMATION, COMPUTERS AND ELECTRONICS:

Computers and Information Technology specialisation (Bachelor's Degree):

First year of study

First semester :

Mathematical Analysis
Linear Algebra, Analytic and Differential Geometry
Computer Programming
Physics – General Elements
Logical Design of Digital Computers
Knowledge, Human Communication and Internet

Second semester:

Special Mathematics
Numerical Methods
Introduction to Electrical Engineering
Computer Programming – Programming Techniques
Computer Programming – Programming Techniques - Project
Digital Systems Design
Physics – Elements of Mechanical Engineering

Second year of study

First semester:

Data Structures and Algorithms
Data Structures and Algorithms - Project
Electronics
Computer Architecture
System Theory and Control
Object Oriented Programming
Object Oriented Programming - Project
Management

Second semester:

Algorithm Complexity Analysis
Artificial Intelligence
Computer Graphics
Assembly Programming Languages
Measurement Techniques
General Economics and Accounting
Practical Training

Third year of study

First semester:

Digital Integrated Circuits
Databases
Operating Systems
Data Communication
Computer Structure and Organization
Computer Structure and Organization - Project
Visual Programming Environments
Visual Programming Environments - Project

Second semester:

Computer Networks
Database Design
Database Design - Project
Microprocessors System Design
Distributed Network Application Development
Distributed Network Application Development - Project
Verification and Testing of Computer Systems
Verification and Testing of Computer Systems - Project
Software Engineering
Software Engineering – Project
I/O Systems
Computer Systems Modelling Practical Training

Fourth year of study

First semester:

Real Time Computing Systems
Real Time Computing Systems - Project
Computer Networks Management
E-Commerce
E-Commerce - Project
Web Applications' Design
Web Applications' Design - Project
Data Security
Data Security - Project
Models and Algorithms for Parallel Computing
Models and Algorithms for Parallel Computing - Project
Frameworks for Digital Systems Development
Formal Languages and Automata
Practical Stage for Graduation - Project

Second semester:

Embedded Systems
Compiler Design
Compiler Design - Project
DSP in Communication

Algorithms for Information Retrieval
High Speed Networks Expert Systems
Information Systems Management
Graphical Systems
VLSI Environments
Multimedia Application Development

Information Systems for e-Business specialisation (Master's Degree):

First year of study

First semester:

Multimedia Design for e-Business
Computational and Algorithmic Methods in e-Business
Service and Agent Technologies for e-Business
Formal Methods in Semantic Web
Web Systems Engineering

Second semester

Mobile and Wireless Technologies for e-Business
Secure Payment Systems
Modelling and Performance Evaluation of e-Business Systems
E-Business Systems Engineering
Legal, Ethical and Social Issues in e-Business

Second year of study

First semester:

Knowledge and Semantics-Based Systems
Information Technology for e-Marketing and Branding
Data Mining and Data Warehouses
Enterprise Information Systems

Free-of-charge Romanian language courses are provided to foreign students upon arrival. The University of Craiova has three lectorates of foreign languages: French, Macedonian and Bulgarian, coordinated by native speaker lecturers from France, Macedonia and Bulgaria.