

Computer Science



OBJECTIVES

The specific objectives of this educational program are:

- the study and design of computer and network system's components from both hardware and software perspectives and
- to offer multiple specialization alternatives such as: computer architecture design, software engineering, artificial intelligence, operating systems, database design, compiler design, transactional systems, computer networks and distributed systems. As a result, our graduates could equally work as researchers and designers of basic hardware and software components, as designers of complex application software or as systems engineers and network administrators.

Our Curriculum is based on the ACM curriculum and syllabi guidelines for computer science and engineering.

A periodical curriculum improvement and updating is carried out based on the experience and high competence of the department academic staff. The education provided by the Computer Science Department ensures the engineering specific of the training, the balance between the general technical, domain fundamental and narrow specialization disciplines and the integration both of theoretical and practical aspects. The formative type of education fosters an easy integration and adaptation to the dynamic market requests for all our graduates.

GRADUATES

- Operating with the basics of Mathematical, Engineering and Computer Science
- Designing hardware, software and communication components
- Problems solving using specific Computer Science and Computer Engineering tools
- Improving performances of hardware, software and communication systems
- Design, lifecycle management, integration and integrity of hardware, software and communication systems
- Designing intelligent systems

MAIN TEACHING

- Computer Programming
- Data Structures and Algorithms
- Fundamental Algorithms
- Programming Techniques
- Digital system design
- Databases

AREAS

- · Object Oriented Programming
- Elements of Computer Assisted Graphics
- Computer Architecture
- Numerical Calculus
- Image Processing
- Formal Languages and Translators
- Computer Networks
- Operating Systems
- Distributed Systems

ADMISSION REQUIREMENTS AND PROCESS, TUITION FEES

Check the information posted on the International Relations Office: http://bri.utcluj.ro/RI2_en/admitere_eu_neu.php

INDUSTRIAL / ACADEMIC PARTNERS

Microsoft România SRL, IBM România SRL, HP Inc România SRL, IQUEST Technologies SRL, MSG Systems România SRL, Endava România SRL, Emerson SRL

CONTACT

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