INFORMATICS (Undergraduate program)
Domain: Computer Science
Teaching language: Romanian
Duration of studies: 3 years
European **Credit** Transfer and Accumulation System (ECTS): 180

The Informatics bachelor program was launched in 2007 and was reevaluated in 2012. The mission of this program is to grant high quality education for intellectual development of its students in order to train very goods specialists in the Computer Science area. The specific competences granted by its students allow them to work in many professional positions such as: computer specialist designer; database administrator; network administrator; IT consultant; programmer analyst; research assistant in computer science; middle school teacher; assistant data acquisition and analysis; assistant manager; systems design assistant; Computer consultant; research assistant in mathematics and computer science. The students that attend the courses of the Department for Didactic Training can also work in the academic institutions.

MATHEMATICS (Undergraduate program)
Domain: Mathematics
Teaching language: Romanian
Duration of studies: 3 years
European **Credit** Transfer and Accumulation System (ECTS): 180

The mission of this bachelor program is to train specialists in the mathematical area. The graduating students can work in many different positions such as: teacher; specialty reviewer mathematician; mathematician; researcher in mathematics; research assistant in mathematics; researcher in applied mathematics; research assistant in applied mathematics.
The students that attend the courses of the Department for Didactic Training can also work in the academic institutions.

Tehnici avansate pentru prelucrarea informatiei (*Advanced Techniques for Information Processing*) (Master's degree program)
Domain: Computer Science
Teaching language: English
Duration of studies: 2 years
European **Credit** Transfer and Accumulation System (ECTS): 120

The master program "**Advanced Techniques for Information Processing**" aims to train specialists for computer science area.
This master program grants to its students a wide range of opportunities on the labour market both inside the country or abroad, in the European Union countries. They can work for different European IT organizations and can access different national or European computer science development programs.
The specific competences granted by its students allow them to work in many professional positions such as: researcher informatics; computer consultant; manager IT project; information security manager; teacher in secondary education; teacher in vocational

and apprenticeship education; developers; developers of computer system; design systems; specialist in security procedures and tools systems.

Didactic Mathematics (Master's degree program)
Domain: Mathematics
Teaching language: Romanian
Duration of studies: 2 years
European **Credit** Transfer and Accumulation System (ECTS): 120

This master program grants its accreditation in 2010. Its mission is to create and disseminate knowledge by developing a research and teaching environment based on excellence.

This master program aim to train specialists capable of adopting decisions, elaborating strategies and programs in the mathematical area and working in the education. The master students that attend the courses of the Department for Didactic Training can also work in the academic institutions.

INFORMATICS (Undergraduate program)
Domain: Computer Science

Professional competences:
- Programming in high level languages
- Developing and maintaining software applications
- Use tools in an interdisciplinary context
- Using the theoretical foundations of computer science and formal models
- Design and database management
- Design and manage computer networks

Transversal competences:

- Applying organized and efficient work rules, the responsible attitudes of the teaching-scientific, creative harnessing their potential for complying with the principles and rules of professional ethics
- efficient conduct of activities organized in an inter-disciplinary and empathic capacity inter-personal communication, networking and collaboration with diverse groups
- The use of effective methods and techniques of learning, information, research and capacity of knowledge exploitation, to adapt to a dynamic society and communication in Romanian and in an international language

MATHEMATICS (Undergraduate program)
Domain: Mathematics

Professional competences:

- Work with mathematical concepts and methods
- mathematical data processing, analysis and interpretation of phenomena and processes
- Development and analysis of algorithms for solving problems
- The design of mathematical models to describe phenomena
- Demonstrate results using various mathematical concepts and mathematical reasoning

Transversal competences:

- Applying rigorous and efficient work rules, manifest responsible attitudes to science and teaching, and creative to fully capitalize their potential in specific situations, respecting the principles and rules of professional ethics
- Conducting effective and efficient organized team activities
- Effective use of information sources and communication resources and training assistance, both in Romanian and in an international language