

Bachelor's degree program: COMPUTER SCIENCE

Qualification obtained upon graduation: COMPUTER SCIENCE

Title awarded: BACHELOR IN COMPUTER SCIENCE

Duration of studies: 3 years

Number of ECTS credits: 180

Form of education: Full-time (IF)

Language of instruction: Romanian

Study program classification in scientific fields:

- **Fundamental field: Mathematics and natural sciences**
- **Branch of science: Computer science**
- **Bachelor's degree program: Computer science**
- **ISCED F-2013 field: broad field of study: 06 Information and communication technology (ICT)**
- **ISCED F-2013 field: narrow field of study: 061 Information and communication technology (ICT)**
- **ISCED F-2013 field: detailed field of study: 0613 Software and application development and analysis**

MISSION STATEMENT

The teaching and research mission of the bachelor study programme in question fits the profile and speciality of the Faculty of Exact Sciences. It consists in training high qualified professionals in the fields of informatics according to „demand and supply” dynamics on the job market and the requirements of Romania's full integration in the EU.

OBJECTIVES

- Realizarea Maintaining a high level of scientific training to be transferred to the students in the Mathematics & Computer Science, compatible with the EU standards and the possibility for them to opt for certain study routes in order to rapidly be integrated into the professional activity;
- Promoting a modern and flexible curriculum, according to european values of a society based on knowledge, favoring the interdisciplinarity and the methodologies of teaching, learning and evaluating, depending on the shape and dynamics of the field;
- Achieving a true quality of the teaching-learning process by making use of some continuously evolving didactical strategies;
- Stimulating the interest to continue the professional training and scientific research in order to efficiently to the requirements of a knowledge-oriented society.

COMPETENCIES AND EXPECTED LEARNING OUTCOMES DEVELOPED WITHIN THE STUDY PROGRAM)

Professional competencies:

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| C1. Create the process diagram | C11. It uses software libraries |
| C2. Analyze software specifications | C12. Design the user interface |
| C3. Aligns software to system architectures | C13. Design the computer system |
| C4. Provides technical documentation | C14. Create data models |
| C5. Create software | C15. Use computer-aided software engineering tools |
| C6. It uses application-specific interfaces | C16. Define software architecture |
| C7. Interact with users to find out their requirements | C17. Manage databases |
| C8. Develop the prototype for the software | C18. Implements the visual design of websites |
| C9. Translates requirements into a visual model | C19. Design a computer network |
| C10. Fix bugs in software | C20. Ensures information security |

Transversal competencies:

- TC1. Shows initiative
- TC2. Give advice to others
- TC3. Takes responsibility
- TC4. Works in teams

ACADEMIC CAREER DEVELOPMENT

Bachelor's degree graduates "**Computer Science**" according to the Romanian Occupational Catalogue (COR – ISCO-08), can be hired in the following positions:

251201 – Analyst

251202 – Programmer

252101 – Database Administrator,

251305 - Web Content Manager

252301 – Computer Network Administrator

252908 – ICT Security Administrator