

Bachelor's degree program: COMPUTER SCIENCE (in English)

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

Language of instruction: English

Science program classification:

- 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: 06Information and communication technology (ICT)

- ISCED F-2013 field: narrow field of study: 061Information 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 of training and developing professionals in Computer Science, specialists that will contribute to the competitive advantage in the market for the companies and organizations they will work for.

OBJECTIVES

- Training professionals with strong knowledge according to EU standards;
- Developing the competence in analysing economical and social phenomena and getting the appropriate solutions to various issues in the field;
- Capitalizing on knowledge transferred to graduates during certain professional and scientific projects in order to properly address the Romanian and European economic challenges;
- Training skills to develop and use methods, procedures and tools of scientific research, as well as developing in graduates the ability to formulate scientific explanations of economic and social phenomena and processes;
- Stimulating the interest of graduates for continuous professional, scientific and specialized training in order to effectively adapt to the requirements of the knowledge-based society;
- Training of professional communication skills in English, of effective integration in work teams and of multinational or international research.

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:

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|----------------------------|---------------------------|
| TC1. Shows initiative | TC3. Takes responsibility |
| TC2. Give advice to others | 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