### Learning outcomes of the specialist professional graduate study of Information Technology in Business Systems

### Major: Software Engineering in Business Systems

1. Apply information and communication systems design methods.
2. Apply the CASE tool in the development of business information systems.
3. Apply software engineering principles in the development of information systems.
4. Apply quality standards to the process of the development of business information systems.
5. Apply the standards and methods of controlling and auditing the business information system.
6. Apply appropriate tools in the implementation of information and communication systems.
7. Apply methods and techniques for creating and managing databases.
8. Apply methods and techniques for managing security and data protection in information and communication systems.
9. Develop a model and run a simulation in business systems.
10. Explain the basic concepts of computer-controlled complex, process and production systems.
11. Design and implement a distributed business information system.
12. Use modular software engineering in the implementation of business information systems.
13. Analyse security threats when using web applications and services, and define and implement appropriate countermeasures.
14. Organize and lead teamwork in the field of business information systems.
15. Analyse and recommend the use of IT tools within a business organization.
16. Assess the place and role of ICT in the context of organization, management and business processes.
17. Present development and software solutions within a business organization.

### Learning outcomes of the specialist professional graduate study Information Technology in Business Systems

### Major: Business Information Systems

1. Apply information and communication systems design methods.
2. Apply the CASE tool in the development of business information systems.
3. Apply software engineering principles in the development of information systems.
4. Apply quality standards to the process of the development of business information systems.
5. Apply the standards and methods of controlling and auditing the business information system.
6. Apply appropriate tools in the implementation of information and communication systems.
7. Apply methods and techniques for creating and managing databases.
8. Apply methods and techniques for managing security and data protection in information and communication systems.
9. Develop a model and run a simulation in business systems.
10. Explain the basic concepts of computer-controlled complex, process and production systems.
11. Apply strategic planning methods for the development of information and communication systems.
12. Analyse and implement Internet technologies and e-business in the business information system.
13. Apply appropriate ergonomic measures in the field of computer use in the workplace.
14. Organize and lead teamwork in the field of business information systems.
15. Analyse and recommend the use of IT tools within a business organization.
16. Assess the place and role of ICT in the context of organization, management and business processes.
17. Present ICT solutions in a business organization.