Learning outcomes for Specialist Graduate Professional Study Programme in IT

-Ability to understand the place and role of IT in the context of organisation and business processes management.
-Ability to understand the engineering field and technologies according to education level.
-Ability to link relevant and specific disciplines such as information and computing engineering with technologies in business environment.
-Ability to use the acquired knowledge in self-supported learning.
-Ability to develop methods of critical thinking and logical reasoning related to business and engineering processes.

Module: Information Systems – specialisation in e-Health

-Ability to understand specific features, complexity and ethical norms of health system and its processes in the public health area.
-Ability to understand processes of electronic medical records creation, storage and protection.
-Ability to implement formal methods in request analysis used in design of health information system components.
-Ability to use methods and tools in modelling public health system processes and data.
-Ability to maintain health information systems and subsystems components.

Module: Information Systems – specialisation in e-Business

-Ability to understand the position and role of IT in the context of organisation, management and business processes in public environments.
-Ability to implement knowledge, methods and tools in order to formalise business information systems.
-Ability to implement formal methods in request analysis used in design of business information systems.
-Ability to use methods and tools in modelling the information system processes and data.
-Ability to maintain components of business information systems.

Module: Information Systems – specialisation in e-Government

-Ability to understand the position and role of IT in the context of organisation, management and processes in public administration environment.
-Ability to understand integrated systems offering services to all participants in public administration system.
-Ability to set up collaborative e-business technologies in public administration subsystems.
-Ability to implement formal methods in request analysis used in design of public administration information systems and subsystems components.

TEL +385 1 5603 936
FAX +385 1 5603 999
MAIL ino@tvz.hr
WEB www.tvz.hr
ADR Vrbik 8, 10000 Zagreb Hrvatska
MB 13 98 270
OIB 088 1400 3451
IBAN HR80 236 0000 1101 350 801

-Ability to implement the interoperability standards in public administration systems.

Module: Design and Multimedia

-Ability to identify and implement optimal techniques of communicating complex information on the Web.

-Ability to understand the interface design elements and implement principles and tools necessary for design of interactive components of standard Web pages and highly interactive Web applications.

-Ability to implement in a creative way tools and principles of digital graphic design for a wide range of users and a variety of content and media.

-Ability to evaluate potential multimedia solutions taking into consideration their practical aspect, logical basis, historical perspective, the best programming practice and environmental impact.

-Ability to use a wide range of actual media, advanced information technologies, techniques, tools and audio-visual communication formats.

Module: Computer Systems – specialisation in Software Engineering in Computer and Embedded Systems

-Ability to relate specific software engineering disciplines and techniques in development of software and hardware applications.

-Ability to identify, formulate and solve software and hardware engineering problems.

-Ability to understand the importance of engineering solutions in global economic and social environment.

-Ability to use engineering techniques, skills and modern tools in engineering practice.

-Ability to work in team and multidisciplinary work environment.

Module: Computer Systems – specialisation in Computer Networks and Systems

-Ability to understand the importance of both data communication environment and the Internet as supporting infrastructure of business communication and other daily business activities.

-Ability to identify infrastructural components including devices, topologies, protocols, control and security systems in network system design.

-Ability to use and control different operating systems, system software, network services and security interfaces.

-Ability to implement theory of network systems and new technologies in different situations and classify network solutions by means of efficiency analysis.

-Ability to compare network protocol models and select the appropriate protocol for a specific business solution.

TEL +385 1 5603 936
FAX +385 1 5603 999
MAIL ino@tvz.hr
WEB www.tvz.hr
ADR Vrbik 8, 10000 Zagreb Hrvatska
MB 13 98 270
OIB 088 1400 3451
IBAN HR80 236 0000 1101 350 801