
Diplomirani inženir računalništva in informacijskih tehnologij (vs)/diplomirana inženirka računalništva in informacijskih tehnologij (vs)

Selected qualifications

Name of qualification	Diplomirani inženir računalništva in informacijskih tehnologij (vs)/diplomirana inženirka računalništva in informacijskih tehnologij (vs)
Translated title (no legal status)	Bachelor of Applied Science in Computer and information technologies engineering
Type of qualification	Diploma prve stopnje (VS)
Category of qualification	Izobrazba
Type of education	Professional bachelor's education
Duration	3 years

Credits

180 credits

Admission requirements

- Matura or
- vocational matura, or
- school-leaving examination prior to 1 June 1995

ISCED field

Field
Informacijske in komunikacijske tehnologije (IKT)

ISCED subfield

subfield informacijske in komunikacijske tehnologije (ikt), podrobneje neopredeljeno

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

The qualification holder is qualified to:

(general competences)

- understand technical, technological and economic-entrepreneurial problems,
- be technically critical and responsible, and demonstrate initiative and independence in the performance of tasks received and in the organisation of development, entrepreneurial and service activities,
- understand methods, tools and techniques used in development and technological-manufacturing projects,
- search for information sources and possess the ability to combine previous knowledge with the findings from the profession,
- participate in the resolution of complex problems and situations,
- implement and coordinate specific solutions in sub-project activities,
- professionally and personally develop self-confidence for work with others to find and confirm technical decisions and in the implementation thereof, and
- demonstrate the ability to continue studies in the second cycle and participate in development-research work.

(subject-specific competences)

- demonstrate broad knowledge of computer and information technologies, appropriate for continuing in several specific specialisations, such as computer engineering, software engineering or information technologies,
- demonstrate sound knowledge of methods and tools for designing and verifying computer and information technology products and manufacture,
- possess in-depth understanding of computer systems, their architectures, operating systems with databases, and computer network communication structures,
- demonstrate mastery of computer solutions, the development and testing of software, the linking of

- systems, systems administration, security issues, and web applications and services,
- demonstrate understanding of and the ability to use and combine components that add a great deal of value-added to the broad segment of computer supported products, and
 - perform various tasks in technological-manufacturing and development projects, such as organising and participating in specific activities, the manufacturing and testing of individual models and datasets, and inclusion in companies' associated business functions (e.g. purchasing, sales, technology, logistics, information science, etc.).

Assessment and completion

Examination performance is scored as follows: 10 (excellent); 9 (very good: above-average knowledge but with some mistakes); 8 (very good: solid results); 7 (good); 6 (adequate: knowledge satisfies minimum criteria); 5-1 (inadequate). In order to pass an examination, a candidate must achieve a grade between adequate (6) and excellent (10).

Progression

Students progress to the second year if they have accumulated at least 46 ECTS credits by completing first-year examinations. Students progress to the third year if they have completed all first-year examinations and accumulated at least 45 additional ECTS credits by completing second-year examinations.

Transitions

Second-cycle master's study programmes (SQF level 8)

Condition for obtaining certificate

Students must meet all requirements defined by the study programme, and thus accumulate 180 ECTS credits, to complete their studies.

Awarding body

University of Maribor, Faculty of Electrical Engineering and Computer Science

URL

<https://feri.um.si/en/>
