

University of Nova Gorica
School of Engineering and Management

THE DIPLOMA SUPPLEMENT

The Diploma Supplement has been issued on the basis of Article 32 of the Higher Education Act (Uradni list RS, št. 67/93, 22/94 - Constitutional Court Decision, 39/95 - Constitutional Court Decision, 18/98 - Constitutional Court Decision, 35/98 - Constitutional Court Decision, and 99/99), taking into account the Convention on the Recognition of Qualifications Concerning Higher Education in the European Region (Uradni list RS - International Treaties 14/99) and the recommendations of the European Commission, Council of Europe and Unesco/Cepes. It consists of eight sections and contains the following information:

1. Information identifying the holder of the qualification
2. Information identifying the qualification
3. Information on the level of the qualification
4. Information on the contents and results gained
5. Information on the function of the qualification
6. Additional information
7. Certification of the supplement
8. Information on the higher education system in the Republic of Slovenia

The information contained within the supplement should not contain any value judgements, equivalence statements or suggestions about recognition in other countries.

1 Information identifying the holder of the qualification

- 1.1 Family name: **Name**
1.2 Given name: **Name**
1.3 Date of birth: **dd.mm.yyyy**
1.4 Student identification number: **69xxxxxx**
1.5 Date of graduation: **dd.mm.yyyy**

2 Information identifying the qualification

- 2.1 Name of qualification: **Diploma**
Title conferred: **diplomirani gospodarski inženir (VS)**
Abbreviation: **dipl.gosp.inž. (VS)**
2.2 Main field of study: **Engineering and Management**
Study programme: **Engineering and Management**
Date of adaptation: **30. 6. 2005**
Date of accreditation: **9. 6. 2006**
2.3 Name of awarding institution: **University of Nova Gorica, School of Engineering and Management**
Abbreviated name: **UNG, PTF**
Head Office Address: **Vipavska 13, 5000 Nova Gorica, Slovenia**
2.4 Legal status of the awarding institution: **private with a concession granted by the state**
General national educational classification: **university**
2.5 Languages of instruction/examination: **Slovene** and, in the case of the English course, **English**

3 Information on the level of the qualification

- 3.1 Type and level of qualification: **first cycle: professional study programme SQF 7, EQF 6, EHEQF first cycle**
3.2 Official length of study programme: **three years**
This study programme has duration of three years and is organised on a full-time and part time basis. It consists of lectures, exercise sessions, practical placement and the diploma thesis.
Credit points: **180 ECTS**
3.3 Access requirements: Completion of a four-year secondary education programme and a matura certificate or a vocational matura certificate. In case of limited admission, the selection criteria comprise the candidate's final grade at the matura or final examination (60% points) and his/her overall achievement in the 3rd and 4th year (40% points).
Applicants whose 48 ECTS recognised by the School's committee have been obtained based on courses passed at other programmes from the fields of engineering, science, economics or organisation can be enrolled in the 2nd year.
Applicants who have obtained short-study higher-education degrees from related programmes, e.g. a degree in informatics, electronics, power engineering, mechanical engineering or mechatronics can be enrolled in the 2nd year provided that they fulfil the requirements for enrolment in the 1st year and have completed their short-study higher-education degree with a grade higher than 8.

4 Information on the contents and results gained

- 4.1 Mode of study: **Full-time**
4.2 Study programme requirements: The programme comprises lectures, tutorials, practical placement and a diploma thesis. Lectures focus on the presentation of theoretical knowledge and its practical application. In addition to lectures, individual courses also comprise tutorials and individual projects, which ensure the consolidation of theoretical knowledge and further encourage its practical application. Practical placement takes place in a company selected by the student and is tutored by one supervisor in the company and another one at school. Students thus have the opportunity to make use of their knowledge in practice and to tune it to the actual needs of the economic environment. Practical work may also cover searching for and gathering material as well as studying relevant problems for the preparation of the diploma thesis.
Lectures comprise 1110 hours, tutorials 540 hours and practical placement 480 hours.
Knowledge is assessed by written examinations, oral examinations, mid-course examination and seminar papers. A prerequisite for taking an examination is successful completion of the course requirements (i.e. the relevant tutorials and seminar papers). As part of their practical placement requirements, students have to prepare an interim and a final report, which has to be presented and defended orally. Finally, the student successfully completes the study programme by defending the diploma thesis in front of a three-member committee.
A student accumulates 60 points each year, thus to finish the studies the student is required to have successfully completed all courses and other obligations as well as successfully presenting the graduation project; altogether at least 180 ECTS points.
In order to proceed to the second year of study, candidates must obtain at least 48 credit points. To enrol into the third year, candidates must fulfil all first-year requirements as well as obtain 48 credit points from the second year of study.

4.3 Academic programme details:

Syllabus	Lectures hours	Tutorials hours	Total hours	ECTS
1st year				
Engineering Mathematics	60	30	90	7
Engineering Physics	60	45	105	10
Chemistry and Chemical Engineering	75	15	90	7
Introduction to Computer Science	45	45	90	7
Business Mathematics	30	15	45	6
Company Economics and Organisation	75	45	120	10
Marketing	60	30	90	7
English as Foreign Language	30	30	60	6
TOTAL	450	240	690	60
2nd year				
Electrical Engineering	45	45	90	7
Power and Manufacturing Systems	90	30	120	10
Introduction to Control Systems	75	45	120	10
Organisation Design	60	15	75	6
Project Economics and Organisation	60	45	105	8
Accountancy and Business Finances	45	15	60	6
Business Information Systems	60	30	90	7
Labour and Organizational Law	45	15	60	6
TOTAL	480	240	720	60
3rd year				
System Engineering Methods	45	15	60	6
Elective Course 1	45	15	60	6
Elective Course 2	45	15	60	6
Elective Course 3	45	15	60	6
Practical Placement			480	24
Diploma Thesis			360	12
TOTAL	180	60	1080	60
General elective courses				
Logistics	45	15	60	6
Sociology of Organisations and Business Communication	45	15	60	6
Human Resource Management	45	15	60	6
Total Quality Management	45	15	60	6
Technology Management	45	15	60	6
Entrepreneurship Seminar	45	15	60	6
Computer Aided Design	45	15	60	6
Courses of other state approved study programmes given at the same or other institutions				Up to 12

Individual grades obtained:

Date	Course	Year	ECTS	Grade
	Technical Mathematics	1	7	
	Technical Physics	1	10	
	Chemistry and Chemical Engineering	1	7	
	Introduction to Computer Science	1	7	
	Business Mathematics	1	6	
	Economics and Organization of the Enterprise	1	10	
	Marketing	1	7	
	English	1	6	
	Electrical Engineering	2	7	
	Power and Manufacturing Systems	2	10	
	Introduction to Control Systems	2	10	
	Design of an Organization	2	6	
	Economics and project organization	2	8	
	Accountancy and Business Finances	2	6	
	Business information systems	2	7	
	Labour and organizational law	2	6	
	Methods of System Engineering	3	6	
	Sociology of Organization and Business Communication	3	6	

	Human Resource Management	3	6	
	Practical placement	3	24	
	Computer aided design	3	6	
	Diploma thesis	3	12	pass

Diploma thesis title: **Title**
Supervisor: **Name and surname**
Diploma thesis number: **xx**
Grade point average: **x,xx**

- 4.4 Grading scheme: Completed study requirements are assessed using the grades, excellent (10), very good (9 or 8), good (7), satisfactory (6) and unsatisfactory (1, 2, 3, 4 or 5). The passing grades are from 6 to 10. Practical placement is assessed on pass/fail basis. The diploma thesis is assessed by one of the two following decisions: "successful" or "not successful".

5 Information about possibilities for further study and employment

- 5.1 Access to further study: After graduation, the candidates will have the opportunity to continue studies at the Master's studies (2nd level) level and then can continue to Doctoral studies (3rd level), all done in accordance with the recommendations of the higher education institution that launched the graduate study program.
- 5.2 Professional status: A graduate is able to provide solutions for managing, engineering and economic problems in a company. Areas of work include: management of technological and business systems; management of industrial production processes; planning, managing and assessment of investment projects; planning strategic and operational development; marketing of engineering services and industrial products; development of process technologies; and management of computer aided systems.

6 Additional information

- 6.1 Additional information: Up-to-date information is available in yearly brochures and leaflets on the study programmes published by the University of Nova Gorica.
- 6.2 Further information sources: University of Nova Gorica, Student office, Vipavska 13, SI-5000 Nova Gorica, Slovenia, Phone: +386 5 3315234, e-mail: studentska.pisarna@ung.si, <http://www.ung.si/en/>
ENIC/NARIC, Kotnikova 38, SI-1000 Ljubljana, Slovenia, Phone: +386 1 4784745, e-mail: enicnaric-slovenia.mvzt@gov.si.
Website address for Slovenian Qualifications Framework, <http://www.nok.si/en/>.

7 Certification of the supplement

Name and surname

(Signature)

Dean

(University stamp)

Nova Gorica, dd.mm.yyyy

Higher education in Slovenia is regulated by the Higher Education Act (*Uradni list RS*, No. 32/12 – official consolidated text, 40/12 – ZUJF, 57/12 – ZPCP-2D, 109/12 and 85/14).

Higher Education Institutions

Courses of study are provided by public and private universities and their members – faculties, art academies and professional colleges. Private faculties and art academies as well as public and private professional colleges may also be organised as independent higher education institutions. Universities, faculties and art academies may provide all types of study programmes, while professional colleges may provide, as a rule, first-cycle professional study programmes, but also second-cycle programmes if they meet certain special requirements.

Pre-reform study programmes

According to the regulation in force prior to the Act Amending Higher Education Act (*Uradni list RS*, No. 63/04), the higher education system offered two types of undergraduate study programmes: *academic study programmes* (4 to 6 years) and *professional study programmes* (3 to 4 years). The postgraduate study programmes in place prior to the reform were as follows: *specialisation study programmes* (1 to 2 years), *master of science* or *master of arts* study programmes (2 years) and *doctoral study programmes* (4 years after completion of an academic study programme or 2 years after completion of a master study programme). *The European Credit Transfer and Accumulation System* (ECTS) has been compulsory since 2002. Studies are organised on a full- or part-time basis.

Access requirements

Access to academic study programmes is open to holders of a *matura* certificate, a *final examination* certificate obtained prior to 1 June 1995, or a *vocational matura* certificate obtained during or after the 2001/02 academic year plus an *additional examination* in one of the general *matura* subjects. Access to higher professional study programmes is open to holders of a *matura* certificate, a *vocational matura* certificate or a *final examination* certificate of a four-year higher secondary or equivalent programme. Access to specialisation study programmes is open to holders of a *diploma obtained in an academic or higher professional study programme*. Access to master's study programmes is open to holders of a *diploma obtained in an academic study programme*, and exceptionally and subject to certain additional requirements, also to holders of a *higher professional diploma*. Access to doctoral degree studies is open to holders of a *diploma in an academic study programme* or to holders of a *master's degree*.

Transfers

Transfers between the aforementioned study programmes are possible until they expire if the requirements prescribed by the Criteria for transferring between study programmes and by individual study programmes are met.

Qualifications, professional and academic titles

Graduates acquire a *diploma* and a *professional* or *academic title* determined in accordance with the Professional and Academic Titles Act (*Uradni list RS*, No. 83/03 – official consolidated text). The typical professional title for graduates of academic study programmes is *univerzitetni diplomirani ...*, while graduates of technical, teacher training and art programmes acquire the title *univerzitetni diplomirani inženir ...*, *professor ...* and *akademski ...*, respectively. Graduates of medicine, dental medicine, pharmacology and veterinary medicine programmes acquire the professional titles *doktor medicine*, *doktor dentalne medicine*, *magister farmacije* and *doktor veterinarske medicine*, respectively. Graduates of higher professional study programmes acquire the professional title *diplomirani ...* or *diplomirani inženir ...*. Graduates of post-graduate study programmes acquire the professional title *specialist ...* and the academic title *magister znanosti/umetnosti* and *doktor znanosti*. All professional and academic titles are published in *Uradni list RS*, Nos. 22/99, 33/99, 57/99, 10/00, 12/01, 47/02 and 50/05.

Post-reform study programmes

The Act Amending the Higher Education Act (*Uradni list RS*, No. 63/04) and the Act Amending the Higher Education Act (*Uradni list RS*, No. 94/06) represent the legal framework for the introduction of three-cycle higher education, in accordance with the Bologna Declaration. The *first cycle* study programmes are *academic* and *professional study programmes*. Their duration is defined in terms of years (three to four years) and credits (180 to 240 credits). A total of 60 credits may be obtained per study year, and one credit is equivalent to 25 to 30 hours of student work, amounting to between 1500 and 1800 hours per year in total. The *second cycle* study programmes are *master's study programmes* (professional master's degree). They consist of between 60 and 120 credits and last one or two years. The duration of a master's study programme must be planned with regard to the duration of the first cycle study programme. The total duration in the same field of study must not exceed five years (3+2, 4+1). The second cycle study programmes also include *long-cycle master's study programmes*. They are formed for studying professions regulated by EU directives or the legislation of the Republic of Slovenia. Unless determined differently by EU directives, these programmes are five years in duration and consist of 300 credits. The *third cycle* consists of one type of study programme: a *doctoral study programme*. Such programmes last three years, and the study requirements consist of 180 credits, two thirds of which must be acquired through research. The degrees in all three cycles can be formed as *joint degrees*. Studies are organised on a full- or part-time basis. Higher education institutions may organise and provide *supplementary study programmes* as a form of lifelong learning.

Access requirements

The access requirement for academic and single cycle master's study programmes is a *matura* examination, a *final examination* prior to 1 June 1995, or a *vocational matura* examination plus an *additional examination* in one general *matura* subject. The access requirement for higher professional study programmes is a *matura* examination, a *vocational matura* examination or a *final examination* from a four-year secondary school or equivalent programme. The general access requirement for a master's study programme is the completion of a *first cycle study programme*. The specific access requirements are determined by each study programme. Study programmes from corresponding fields of study must be determined, while candidates who have graduated from other fields of study are required to acquire between 10 and 60 additional bridging credits, depending on the difference between the fields of study. The general access requirement for doctoral study programmes is the completion of a *second cycle study programme*, or a *former academic study programme*, gaining a diploma of academic higher education (look at the following table of qualification classification into SQF, EQF and EHEQF).

Transfers

Transfers between study programmes of the same cycle as well as between short-cycle higher education and first-cycle study programmes are possible when certain requirements are met.

Qualifications, professional and academic titles

Graduates are granted a *diploma* and a *professional* or *academic title* determined in accordance with the Professional and Academic Titles Act (*Uradni list RS*, No. 61/06 and 87/11 – ZVPI). The typical professional titles of graduates of first cycle study programmes are *diplomirani ... (UN)* and *diplomirani ... (VS)*. Graduates of a second cycle master's study programme acquire the professional title *magister*, while graduates of technical, teacher training and art programmes acquire the title *magister inženir ...*, *magister profesor ...* and *magister akademski ...*, respectively. Graduates of medicine, dental medicine, pharmacology and veterinary medicine acquire the professional title *doktor medicine*, *doktor dentalne medicine*, *magister farmacije* and *doktor veterinarske medicine*, respectively. A completed doctoral study programme results in a diploma and academic title *doktor znanosti*. All professional and academic titles are published in *Uradni list RS*.

Study programmes adopted before the 2004 Act entered into force will expire in the academic year 2015/2016; the last call for enrolment was published for the 2008/09 academic year. Study programmes adopted after the 2004 amendments were introduced gradually; the process was completed by the 2009/10 academic year, when exclusively modernised study programmes became available.

Graduates of study programmes adopted before the reform may continue their studies in the second or third cycle study programmes pursuant to the Act Amending the Higher Education Act (*Uradni list RS*, No. 94/06) and the Criteria for transferring between study programmes; the criteria are determined in more detail by the study programme.

Levels of SQF, EQF and EHEQF

Slovenian Qualifications Framework Act (*Uradni list RS*, No. 104/15) classified the levels of the Slovenian Qualifications Framework (SQF) into the European Qualifications Framework (EQF) and into the European Higher Education Qualifications Framework (EHEQF).

Qualifications in the SQF, EQF and EHEQF are classified as presented in the following table:

Qualifications ¹	SQF level	EQF level	EHEQF level
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¹ In order to more clearly differentiate between active study programmes and those that are being phased-out qualifications in the table are presented in different colours:

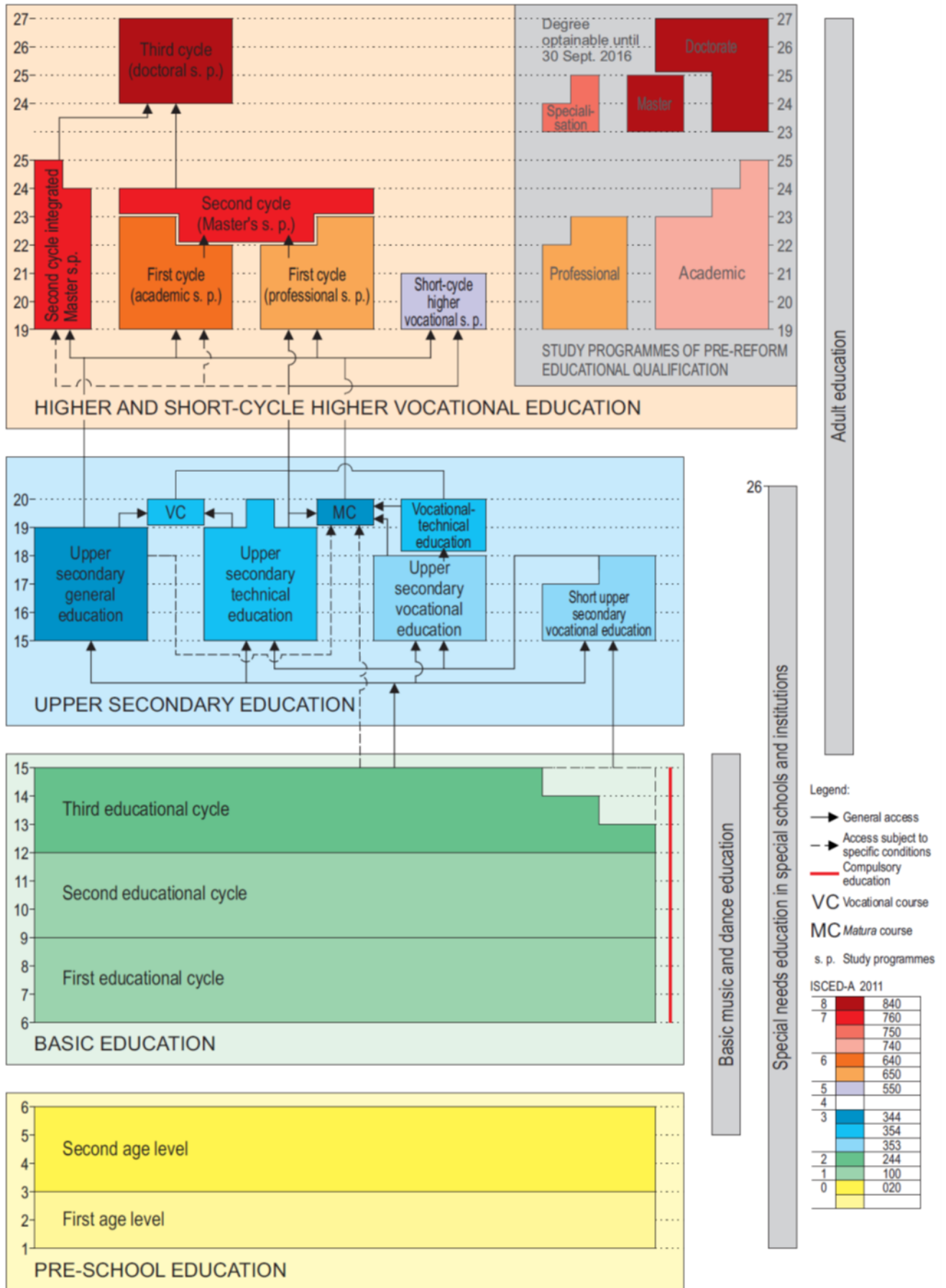
Qualifications ¹	SQF level	EQF level	EHEQF level
Diploma o višji strokovni izobrazbi (Short-cycle higher vocational education) ²	6	5	Short cycle
Diploma prve stopnje (VS) (Professional bachelor's degree) ³			
Diploma prve stopnje (UN) (Academic bachelor's degree) ³	7	6	First cycle
Diploma o visokem strokovnem izobraževanju (Diploma of professional higher education) ⁴			
Diploma druge stopnje (Master's degree) ⁵			
Diploma o specializaciji (Specialisation following professional higher education) ⁶	8	7	Second cycle
Diploma o univerzitetnem izobraževanju (Diploma of academic higher education) ⁷			
Diploma o magisteriju znanosti (Research master's degree) ⁸			
Diploma o specializaciji (Specialisation following academic higher education) ⁹	9	8	Third cycle
Diploma tretje stopnje (Doctorate) ¹⁰			
Diploma o doktoratu znanosti (Doctorate) ¹¹	10	8	Third cycle

Quality assurance

The quality of higher education institutions and study programmes is ensured through accreditation and internal and external evaluation procedures. The accreditation, prolongation of accreditation, and the external evaluation of higher education institutions and study programmes is the responsibility of the Slovenian Quality Assurance Agency for Higher Education. Higher education institutions are responsible for internal evaluation procedures.

- qualifications acquired in active study programmes are in blue;
 - qualifications acquired in study programmes that are being phased-out are in green.
- ² Acquired after 1996 according to the Vocational Education Act (Uradni list RS, No. 12/96, 44/00, 86/04 – ZVSI and 79/06 – ZPSI-1) and after 2004 in accordance with Post-secondary Vocational Education Act (Uradni list RS, Nos. 86/04 and 100/13).
- ³ Acquired after 2004 according to Higher Education Act (Uradni list RS, No. 32/12 – official consolidated text, 40/12 – ZUJF, 57/12 – ZPCP-2D, 109/12 and 85/14; ZViS).
- ⁴ Acquired after 1994 according to ZViS and before the end of academic year 2015/2016.
- ⁵ Acquired after 2004 according to ZViS.
- ⁶ Acquired according to ZViS and before the end of academic year 2015/2016.
- ⁷ Acquired after 1994 according to ZViS and before the end of academic year 2015/2016.
- ⁸ Acquired according to ZViS and before the end of academic year 2015/2016.
- ⁹ Acquired after 1994 according to ZViS and before the end of academic year 2015/2016. According to Slovenian law and in accordance with the principle of *best fit*, this qualification is classified as SQF level 9, but according to learning outcomes, it does not meet with the requirements of the learning outcomes of EQF level 8. That is why this qualification is comparable to the descriptors of EQF level 7.
- ¹⁰ Acquired since 2004 according to ZViS.
- ¹¹ Acquired after 1994 according to ZViS and before the end of academic year 2015/2016.

STRUCTURE OF THE EDUCATION SYSTEM IN THE REPUBLIC OF SLOVENIA



School/academic year: 2014/2015 and 2015/2016