**DAUGAVPILS UNIVERSITY**

*This Diploma Supplement follows the model developed by the European Commission, Council of Europe and the United Nations Educational, Scientific and Cultural Organization (UNESCO/CEPES). The purpose of the supplement is to provide sufficient independent data and ensure academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, the reason should be explained.*

**DIPLOMA SUPPLEMENT (Diploma series MD E No. <0000>)**

1. 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION:
   1. Family name: <***XXX>***
   2. Given name: <***XXX>***
   3. Date of birth (day/month/year*):* ***<00.00.0000.>***
   4. Student identification number or personal identification number: <***000000-00000>***
2. INFORMATION IDENTIFYING THE QUALIFICATION:
   1. Name of qualification (in original language):

Dabaszinātņu maģistra grāds ķīmijā ar specializāciju vides ķīmija (Master of Natural Sciences in Chemistry with specialization in environmental chemistry)

* 1. Main field(s) of study for the qualification:

Physical sciences

* 1. Name (in original language) and status of awarding institution:

Daugavpils Universitāte, akreditēta 29.01.2004., valsts dibināta universitāte (Daugavpils University, accredited 29.01.2004., state-founded university)

* 1. Name (in original language) and status of institution administering studies in Latvian: ***the same as in item 2.3.***
  2. Language(s) of instruction/examination: ***Latvian***

1. INFORMATION ON THE LEVEL OF THE QUALIFICATION:
   1. Level of qualification: ***Level 7 of the Latvian Qualifications Framework (henceforth — LQF) and European Qualifications Framework (henceforth — EQF)***
   2. Official length of programme, start and end date of the acquisition of the programme:

2 years of full-time studies, 80 Latvian credit points, 120 ECTS credits, <00.00.0000. - 00.00.0000.>

* 1. Admission requirements:

First cycle higher education in chemistry or equivalent higher education

1. INFORMATION ON THE CONTENTS AND RESULTS GAINED:
   1. Mode of study: ***Full-time***
   2. Programme requirements (programme aims and intended results of studies):

The goal of the program is preparing high-level specialists in the field of chemistry with deep theoretical knowledge and practical skills, capable of making independent decisions and conducting creative scientific research.

Planned study results:

***Knowledge***

***1. Students demonstrate expanded and specialized knowledge and understanding of the latest and most current discoveries and development trends in chemistry, chemical technology and selected specialization;***

***2. They are familiar with the methods and equipment of planning, implementation, results processing, analysis and interpretation of scientific research and understand their nature and areas of application;***

***Skills***

***3. Students are able to practically and theoretically apply knowledge and understanding of chemistry, chemical technology and the latest and most relevant discoveries and development trends in practice; able to transfer this knowledge to others;***

***4. Able to choose, attribute, plan and independently use the planning, implementation, result processing, analysis and interpretation methods and equipment;***

***Competencies***

***5. Students are able to formulate, explain, compare and summarize the obtained research results in scientific works, reports and reports and present these results to the specialists of the chemical industry and the society in general;***

***6. Students are able to critically analyze, integrate, plan and implement solutions of the latest technologies and discoveries in research.***

* 1. Programme details and the individual grades/marks/credits obtained:

|  |  |  |  |
| --- | --- | --- | --- |
| ***COMPULSORY COURSES*** | | | |
| ***Course title*** | ***Credit points*** | ***ECTS credits*** | ***Grade*** |
| ***Bioanalytical and Pharmaceutical Analyses*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Bioorganic Chemistry*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Physical Chemistry*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Chromatographic Identification of Air, Water and Soil Pollution*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Concept and Practice of Sustainable Development*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Research data analysis and applied GIS*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Methods of the Modern Analysis*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Inorganic Chemistry*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Organic Chemistry*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Sample Preparation in Analytical Chemistry*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Spectroscopy*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Chemical Toxicology*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***RESTRICTED ELECTIVE COURSES*** | | | |
| ***Course title*** | ***Credit points*** | ***ECTS credits*** | ***Grade*** |
| ***Atmospheric Chemistry*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Soil Chemistry*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Biomass Chemistry*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Natural Water Chemistry*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***Spectrometric analysis methods*** | ***4*** | ***6*** | ***10 (with distinction)*** |
| ***Geochemistry of stable isotopes*** | ***2*** | ***3*** | ***10 (with distinction)*** |
| ***FINAL EXAMINATIONS*** | | | |
| ***Master’s thesis*** | ***12*** | ***18*** | ***10 (with distinction)*** |
| *Theme title: <XXX>* | | | |

* 1. Grading scheme and, if available, grade distribution guidance:

|  |  |
| --- | --- |
| ***Grade (meaning)*** | ***Frequency of the grade among the graduates of the programme in question*** |
| ***10 (with distinction)*** | ***25%*** |
| ***9 (excellent)*** | ***33%*** |
| ***8 (very good)*** | ***24%*** |
| ***7 (good)*** | ***13%*** |
| ***6 (almost good)*** | ***3%*** |
| ***5 (satisfactory)*** | ***1%*** |
| ***4 (almostsatisfactory)*** | ***1%*** |
| ***3-1 (unsatisfactory)*** | ***0%*** |

***The holder of the qualification weighted average grade: <0>***

* 1. Overall classification of the qualification (in original language): ***"Standarta"***

*Classification "Standarta" awarding criteria see item 6.1.*

1. INFORMATION ON THE QUALIFICATION:
   1. Access to further studies:

Access to doctoral studies

* 1. Professional status:

It is not foreseen to award a professional status

1. ADDITIONAL INFORMATION AND SOURCES:
   1. Additional information:

***This diploma supplement is valid with the diploma series MD E No. <0000>.***

*Daugavpils University bachelor's degree programme "Chemistry" is accredited.*

***Appendix for item 4.4.***

*weighted average grade of the holder of the qualification is calculated as: av=sum(a\*f)/sum(f), where:*

*av - weighted average grade, a - grade in each course of A and В part of the programme, f - course workload in credit points.*

***Appendix for item 4.5.***

*Classification "Standarta" awarding criteria: The programme requirements are fulfilled.*

* 1. Further information sources:

***Daugavpils University,***

***Vienības street 13, Daugavpils, Latvia, LV-5401, telephone: +371-65422180, fax:***

***+371-65422890, e-mail: du@du.lv***

***Academic Information Centre (ENIC/NARIC in Latvia),***

Vainu street 2, Riga, Latvia, LV-1050, phone +371-67225155, fax +371-67221006, e-mail: aic@aic.lv

1. CERTIFICATION OF THE SUPPLEMENT:

7.1. Date: <***00/00/0000>***

* 1. ***<N. Surname>***
  2. Position(s) of the person(s), certifying the Supplement: ***Rector***
  3. Official stamp or seal:

1. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM:

*See the next page*

*Augstākās izglītības sistēmas valstī apraksts (angļu valodā) atbilstoši Ministru Kabineta 2013. gada 16.aprīļa noteikumu Nr. 202 “Kārtība, kādā izsniedz valsts atzītus augstāko izglītības apliecinošus dokumentus” 7. pielikumam.*