

**HELLENIC REPUBLIC
UNIVERSITY OF PATRAS**



**«Medicinal Chemistry and Chemical Biology»
SCHOOL OF NATURAL SCIENCE, DEPARTMENT OF CHEMISTRY
PARTICIPATING SCHOOL OF HEALTH SCIENCE, DEPARTMENT OF
MEDICINE
UNIVERSITY CAMPUS, 26500, RIO, PATRAS, GREECE**

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DIPLOMA SUPPLEMENT

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international 'transparency' and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content 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 judgments, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION

1.1 Family Name(s):

1.2 Given Name(s):

1.3 Student identification number or code:

1.4 Date of birth (day/month/year): **Place, Country of Birth:**

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of the qualification: Postgraduate Diploma in «Medicinal Chemistry and Chemical Biology»

2.2 Main fields of study for the qualification: Chemical and Pharmaceutical Sciences

2.3 Name and status of awarding institution: University of Patras, Greece

2.4 Name and status of institution/s administering studies: University of Patras, Greece

2.5 Language(s) of instruction/examination: Greek and/or English

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification: 2nd cycle (*Postgraduate studies*)

3.2 Official length of programme: Three (3) Academic Semesters

3.3 Access requirement(s): Admission to the master's programme requires a degree or a higher education diploma of a related subject (Chemistry, Pharmacy, Medicine, Biomaterials, Biology e.t.c.)

4. INFORMATION ON THE CONTENT AND RESULTS GAINED

4.1 Mode of study: Fulltime attendance and Practical Training offered by conventional training methods.

4.2 Program requirements: In order to obtain the diploma in «Medicinal Chemistry and Chemical Biology», postgraduate students are required to successfully attend and undergo courses (compulsory and elective). The curriculum is structured as follows: In the first semester, the postgraduate students should attend one (1) compulsory (DDE 100) course and five (5) elective courses from a list of seven (7) (semi optional; BCC 110, BTA 111, GMD 112, OCB 113, SCC 114, OSD 115 and ABM 116). In the second semester, the postgraduate students should attend two (2) compulsory courses (REM 201 and CHB 202) and one (1) elective course from a list of two (2) (semi optional; BTI 217 and PHA 218). In the second and third semester the students should carry out their master diploma thesis (MDT 203 and MDT 304) in the fields of Medicinal Chemistry and

Chemical Biology.

The Programme Curriculum «Medicinal Chemistry and Chemical Biology» aims at training in a high level of postgraduate education with prospects both in academia and in the field of applications and work. In addition, graduates will be able to conduct research in the field of Medical Chemistry and Chemical Biology and solve complex life sciences problems. They will be able to develop methodologies to design bioactive compounds, synthesis, analysis, identification, evaluation, etc. Graduates will be able to contribute to the development of the science that they have studied, contributing to the development of research, health, technological and social needs of the country.

Upon completion of their studies, in addition to the basic and applied knowledge in the subject matter of the program, graduates will be able to acquire modern scientific knowledge as well as laboratory and communication skills that will help them in their continuous career development.

4.3 Program details and the individual grades/credits obtained):

CODE	COURSE	TYPE	Year/Semester	ECTS credits	Grade	Examination period
DDE 100	Discovery, Design and Evaluation of Drugs	C	1 st / 1 st	5		
BCC 110	Biomacromolecular and Combinatorial Chemistry	E	1 st / 1 st	5		
BTA 111	The Biomacromolecules as Targets for Therapeutic Approaches	E	1 st / 1 st	5		
GMD 112	Genetic and Molecular Basic of Diseases-Molecular Medicine	E	1 st / 1 st	5		
OCB 113	Organic Chemistry of Biological Processes	E	1 st / 1 st	5		
SCC 114	Structural and Combinatorial Medicinal Chemistry	E	1 st / 1 st	5		
OSD 115	Organic Synthesis of Drugs	E	1 st / 1 st	5		
ABM 116	Methods for Analysis of Bioactive Molecules	E	1 st / 1 st	5		
REM 201	Research Methodology	C	1 st / 2 nd	5		
CHB 202	Chemical Biology	C	1 st / 2 nd	5		
MDT 203	Master Diploma Thesis-I (Inception)	C	1 st / 2 nd	15		
BTI 217	Basic and Translational Immunology	E	1 st / 2 nd	5		
PHA 218	Pharmacology (Mechanisms – Targets for Pharmacological Intervention)	E	1 st / 2 nd	5		
MDT 304	Master Diploma Thesis-II (continuation, completion, writing	C	2 nd / 3 rd	30		

	and presentation)					
DIPLOMA GRADE					(GRADE)	

e.g. For obtaining the postgraduate title the graduates should be successfully examined at five (5) (DDE 100, REM 201, CHB 202, MDT 203 and MDT 304) compulsory and six (6) elective courses (five in the first and one in the second semester), in total ninety (90) credit units. In addition, every postgraduate student has to complete his/her Postgraduate Diploma Thesis in the field of «Medicinal Chemistry and Chemical Biology».

The title of Diploma Thesis is: «.....».

4.4 Grading scheme and, if available, grade distribution guidance:

Student performance is evaluated as follows:

8.50 - 10.00	EXCELLENT
6.50 -8.49	VERY GOOD
5.00-6.49	GOOD

4.5 Overall classification of the qualification (in original language):

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study: -

5.2 Professional status (if applicable): -

6. ADDITIONAL INFORMATION

6.1 Additional information: Access to Erasmus mobility.

6.2 Further information sources:

Medicinal Chemistry and Chemical Biology: <http://www.msc.medchembiol.chem.upatras.gr/en/>
University of Patras: <http://www.upatras.gr/el/post-grads>
Department of Chemistry: <http://www.chem.upatras.gr/en/>
Department of Medicine: <https://www.med.upatras.gr/index.php?r=site/index&lang=en>
Ministry of Education and Religious Affairs: <http://www.minedu.gov.gr/>
European Union: <http://www.ec.europa.eu>

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date:

7.2 Signature and full name:

Head of the Department

Secretary/Deputy Secretary

Capacity:

Official stamp

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM

https://eacea.ec.europa.eu/national-policies/eurydice/content/greece_en