



Universidade do Minho



# Diploma Supplement

This Diploma Supplement follows the model 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 judgements, 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): Sequeira da Costa
- 1.2 Given name(s): João Carlos
- 1.3 Date of birth (year/month/day): 1994-02-26
- 1.4 Student identification number or code: 67386  
Identity card/Passport number: 14577296

## 2 Information identifying the qualification

- 2.1 Name of qualification and title conferred (in original language):  
*Licenciatura em Bioquímica, Licenciado*
- 2.2 Main field(s) of study for the qualification:  
Biochemistry (Biochemistry)
- 2.3 Name (in original language) and status of awarding institution:  
*Universidade do Minho* (University)  
Public Higher Education Institution, created in 1973 by the Decree-Law 402/73, published in *Diário da República 1ª série*, n.º 188, August 11th.
- 2.4 Name (in original language) and status of institution (if different from 2.3) administering studies:  
Not applicable
- 2.5 Language(s) of instruction/examination:  
Portuguese

### 3 Information on the level of the qualification

#### 3.1 Level of qualification:

University Education - *Licenciatura* - Level 5 (ISCED).

#### 3.2 Official length of programme:

3 years/6 semesters/40 weeks of full-time study per year/180 ECTS Credits.

#### 3.3 Access requirement(s):

Enrolment on the Degree Course can be achieved through the National Competition for Access to Higher Education, the Special Regimes, the Special Access Competitions or the Re-Entry, Change and Transfer of Course Regimes.

To apply for access to higher education through the National Competition, students must fulfill the requirements described in section 8.

### 4 Information on the contents and results gained

#### 4.1 Mode of study:

Full-time.

#### 4.2 Programme requirements:

The *Licenciatura em Bioquímica* includes a set of curricular units of basic, specific and complementary formation for a three-year cycle of formation. The basic formation includes curricular units in the areas of Biology, Chemistry, Physics and Mathematics, lectured in the first two years of the course. The specific formation is in Biochemistry. The complementary formation includes optional curricular units in the areas of Biochemistry, Biology and Chemistry.

This graduation course aims to form professionals with broadband scientific knowledge in the area of Biochemistry with a good dynamics of integration and adaptability to different works and projects in the scope of Life Sciences. This profile will result from the integration of abilities acquired in the following domains: theoretical, technical and professional, social and ethical.

The abilities to work in group and the capacity for life-long learning investment are also skills expected after graduation.

#### 4.3 Programme details (e.g. modules or units studied), and individual grades/marks/credits obtained:

| Scientific Areas    | Compulsory | Optional |
|---------------------|------------|----------|
| Biochemistry        | 81 ECTS    | 16 ECTS  |
| Biology             | 24 ECTS    |          |
| Chemistry           | 24 ECTS    |          |
| Mathematics         | 18 ECTS    | 0 ECTS   |
| Physics             | 12 ECTS    |          |
| Any Scientific Area | 5 ECTS     |          |

The Transcript of Records is enclosed (see Appendix I).



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

On a 0 to 20 grading scheme, a minimum grade of 10 in each course unit is necessary to pass.

In order to establish the course grades for each group of the ECTS grading scale, the distribution of students with passes in the previous five years and/or in a total of at least thirty graduates is taken into consideration. When a cohort of this scale is impossible, the ECTS grading scale is replaced by the use of an institutional conversion table based on all course grades of all *Universidade do Minho's* Degree Courses from the previous five years. It is important to notice that not all groups of the ECTS grading scale might be represented.

| ECTS Grading Scale | % of Graduates | Grades  |
|--------------------|----------------|---------|
| A                  | 10             | [17-20] |
| B                  | 25             | [16]    |
| C                  | 30             | [15]    |
| D                  | 25             | [14]    |
| E                  | 10             | [10-13] |

4.5 Overall classification of the qualification: 16 (sixteen), B

### 5 Information on the function of the qualification

#### 5.1 Access to further study:

The *Licenciado* degree allows access to postgraduate studies, according to the terms described in section 8.

#### 5.2 Professional status:

Biochemist.

### 6 Additional information

#### 6.1 Additional information:

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#### 6.2 Further information sources:

<http://www.uminho.pt>

<http://www.ecum.uminho.pt>

### 7 Certification of the Supplement

7.1 Date: 2018-12-19

7.2 Signature:

Rui Manuel Costa Vieira de Castro

This document has been electronically signed by the Rector of *Universidade do Minho*.

**7.3 Capacity:** Rector of *Universidade do Minho*

**7.4 Official stamp or seal:**

This document was signed with a qualified electronic certificate for Legal Representatives of an Entity. This Certificate includes the name of the Represented Entity, the name of the person who represents it and the identification of the powers of attorney held by the representative (by the inherent powers of the post or by presenting a proxy of powers of attorney delegation) relevant to the signature of documents and / or authentication to third parties.

**8 Information on the National Higher Education System**

The description of the Portuguese Education System, officially provided by NARIC (National Academic Recognition Information Centre), is enclosed (see Appendix II).



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## APPENDIX I

### Transcript of Records

| Course Unit   | Regime<br>(1) | Type<br>(2) | Academic<br>Year | Grade<br>(3) | ECTS Grade<br>(4) | Credits<br>(5) | Obs. |
|---|---------------|-------------|------------------|--------------|-------------------|----------------|------|
| Cellular Biology  | 1             | OB          | 2012/2013        | 13           | E                 | 6.0            |      |
| General Chemistry   | 1             | OB          | 2012/2013        | 18           | A                 | 6.0            |      |
| Linear Algebra and Analytical Geometry EC                 | 1             | OB          | 2012/2013        | 15           | B                 | 6.0            |      |
| Calculus EC   | 1             | OB          | 2012/2013        | 15           | B                 | 6.0            |      |
| Laboratory Techniques in Chemistry                        | 1             | OB          | 2012/2013        | 17           | A                 | 6.0            |      |
| Chemistry Laboratory                                      | 2             | OB          | 2012/2013        | 14           | C                 | 6.0            |      |
| Organic Chemistry   | 2             | OB          | 2012/2013        | 20           | A                 | 6.0            |      |
| Biomolecules  | 2             | OB          | 2012/2013        | 16           | B                 | 6.0            |      |
| Microbiology  | 2             | OB          | 2012/2013        | 13           | C                 | 6.0            |      |
| Physics I   | 2             | OB          | 2012/2013        | 16           | B                 | 6.0            |      |
| Metabolism and Regulation I                               | 1             | OB          | 2013/2014        | 15           | C                 | 6.0            |      |
| Molecular Biology   | 1             | OB          | 2013/2014        | 16           | B                 | 6.0            |      |
| Biochemistry Laboratories I                               | 1             | OB          | 2013/2014        | 13           | D                 | 6.0            |      |
| Analytical Chemistry                                      | 1             | OB          | 2013/2014        | 15           | B                 | 6.0            |      |
| Metabolism and Regulation II                              | 2             | OB          | 2013/2014        | 15           | B                 | 6.0            |      |
| Statistics EC   | 2             | OB          | 2013/2014        | 10           | E                 | 6.0            |      |
| Physics II  | 1             | OB          | 2013/2014        | 16           | A                 | 6.0            |      |
| Molecular Genetics and Bioinformatics                     | 2             | OB          | 2013/2014        | 14           | C                 | 6.0            |      |
| Bioinorganic Chemistry                                    | 2             | OB          | 2013/2014        | 17           | B                 | 6.0            |      |
| Biochemistry Laboratories II                              | 2             | OB          | 2013/2014        | 16           | B                 | 6.0            |      |
| Biochemistry Laboratories III                             | 1             | OB          | 2014/2015        | 16           | B                 | 6.0            |      |
| Plant Physiology  | 1             | OB          | 2014/2015        | 18           | B                 | 6.0            |      |
| Option Chemistry I - Natural Products                     | 1             | OP          | 2014/2015        | 18           | A                 | 6.0            |      |
| Enzymology  | 1             | OB          | 2014/2015        | 18           | A                 | 6.0            |      |
| Animal Physiology   | 1             | OB          | 2014/2015        | 17           | B                 | 6.0            |      |
| Option Biology - Immunology                               | 2             | OP          | 2014/2015        | 13           | C                 | 5.0            |      |
| Project   | 2             | OB          | 2014/2015        | 15           | E                 | 15.0           |      |
| Option UMinho - Computing with R                          | 2             | OP          | 2014/2015        | 18           | A                 | 5.0            |      |
| Option Chemistry II - Introduction to Medicinal Chemistry | 2             | OP          | 2014/2015        | 15           | D                 | 5.0            |      |

Total ECTS credits achieved: 180

(1) - Regime

A - Annual

1 - 1<sup>st</sup> Semester

2 - 2<sup>nd</sup> Semester

(2) - Type

OB - Compulsory

OP - Optional

(3) - Grade

On a 0 to 20 grading scheme, a minimum grade of 10 in each course unit is necessary to pass.

(4) - ECTS Grading Scale

| ECTS Grading Scale | % of Approved Students |
|--------------------|------------------------|
| A                  | 10                     |
| B                  | 25                     |
| C                  | 30                     |
| D                  | 25                     |
| E                  | 10                     |

In order to establish the course units grades for each group of the ECTS grading scale, the distribution of students with passes in the previous five academic years and/or in a total of at least thirty students is taken into consideration. When a cohort of this scale is impossible, the ECTS grading scale is replaced by the use of an institutional conversion table based on all course units grades of all *Universidade do Minho's* Degree Courses from the previous five academic years. It is important to notice that not all groups of the ECTS grading scale might be represented.

(5) - ECTS Credits

1 academic year = 60

1 semester = 30

1 term = 20

(6) - Course units subject to academic recognition

The corresponding course units can be found in item 4.3 of the Diploma Supplement, whenever taken under academic mobility programmes.

(7) - Extracurricular course units

(8) - Curricular units accredited by demonstration of professional competence and/or other training

Academic Services of *Universidade do Minho*, on the nineteenth of December of two thousand and eighteen.



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## APPENDIX II

### Information on the Portuguese Higher Education System

The Framework Law on the Education System (Law nr. 46/86, dated 14 October 1986, further amended by Laws nr.115/97, dated 19 September and nr. 49/2005, dated 30 August) establishes the general legal framework of the Education System.

According to this Law, the educational system comprises three levels: basic, secondary and higher education.

Basic Education is universal, compulsory and free and comprises three cycles, the first cycle lasts for four years, the second lasts for two years and the third lasts for three years.

Secondary education is compulsory and it comprises a three year cycle (corresponding to 10th, 11th and 12th year of schooling).

### Higher Education Structure

The first steps towards the legal reform of the system of higher education were made in 2005, with the introduction of the new credit system (ECTS) for the cycles of study, mobility mechanisms, diploma supplement, amongst others. Changes were also made to the Basic Law for the Education System in order to implement the Bologna Process.

The new structure divided into 3 cycles of studies was created in 2006 and it was completely implemented in Portugal in 2009/2010. Generic qualification descriptors were also defined for each of the cycles of studies, based on acquired competences, as well as the structure for the first and second cycles of study in terms of typical ECTS intervals.

Portuguese higher education includes university and polytechnic education. University education is offered by public and private university institutions while polytechnic education is offered by public and private non-university institutions. Private higher education institutions must be subject to the previous recognition of the Ministry of Education and Science. The higher education system comprises also a concordatary institution.

### Licenciado degree

Both university and polytechnic institutions confer the degree of *licenciado* (*bachelor*). In polytechnic education, the cycle of studies that leads to the degree of *licenciado* has 180 credits and a normal length of six curricular semesters of students' work. In certain cases namely those covered by internal legislation or by European legislation, the cycle of studies can have up to 240 credits with a normal length of up to seven or eight curricular semesters of students' work.

In university education, the cycle of studies that leads to the degree of *licenciado* has from 180 to 240 credits and a normal length between six to eight curricular semesters of students' work.

In the first cycle of studies, the degree of *licenciado* is conferred, by universities or polytechnics institutions, to those that, after concluding all the curricular units that integrate the study programme of the *licenciatura* course, have obtained the established number of credits.

### Mestre degree

Both university and polytechnic institutions confer the degree of *mestre* (*master*). The cycle of studies that leads to the degree of *mestre* has from 90 to 120 credits and a normal length of between three to four curricular semesters of students' work or in exceptional circumstances, 60 credits and a duration of two semesters, resulting from a stable and consolidated practice in that specific field at international level.

In polytechnic education, the cycle of studies that leads to the *mestre* degree must ensure predominantly that the student acquires a professional specialization. In university education, the cycle of studies that leads to the *mestre* degree must ensure that the student acquires an academic specialization resorting to research, innovation or expansion of professional competences. In university education, the *mestre* degree may also be conferred after an

integrated cycle of studies, with 300 to 360 credits and a normal length of 10 to 12 curricular semesters of students' work, in cases for which the access to the practice of a certain professional activity depends on that length of time established by legal EU standards or resulting from a stable practice consolidated in the European Union. In this cycle of studies the degree of *licenciado* is conferred to those who have obtained 180 credits corresponding to the first six semesters of work.

The degree of *mestre* is conferred to those that, after concluding all the curricular units that integrate the study programme of the *mestrado* course, have obtained the established number of credits, as well as successfully defended in public their dissertation, their project work or their traineeship report.

### **Doutor degree**

The *Doutor* (doctor) degree is conferred by universities and university institutes. The degree of *Doutor* is conferred to those that, after concluding all the curricular units that integrate the study programme of the *Doutoramento* (doctorate) course, when applicable, and have successfully defended their thesis in the public act.

### **Access conditions**

#### **General regime to accede to higher education**

National and foreign students wishing to apply through the general regime to the first cycle of studies, must fulfil the following conditions:

- Have successfully completed a secondary course or a national or foreign qualification legally equivalent;
- Have set for the entrance examinations required for the degree programme the student wishes to attend and get the minimal mark required (there are higher education institutions that accept foreign tests or exams);
- Have fulfilled the prerequisites for the higher education course the student wishes to attend, if required.

#### **Special conditions**

Besides the *regime geral* (general regime), there are special conditions for top level athletes, Portuguese citizens on an official mission abroad, national or foreign staff in diplomatic mission, permanent staff of the Portuguese Armed Forces and scholarship holders within the framework of cooperation agreements signed by Portugal.

#### **Special Competitions**

Besides the general regime and the special conditions there are also special competitions for applicants with certain specific qualifications thus allowing new publics to accede to higher education in a perspective of lifelong learning, namely:

- applicants over 23 years old who have passed a special exam for assessing their capacity to accede to higher education;
- holders of a specialization technological course (non higher education post-secondary course).

Admission to higher education institutions is subject to *numerus clausus*.

Those who meet the following conditions may apply to the cycle of studies that leads to the *mestre* degree:

- Holders of the *licenciado* degree or legal equivalent;





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- Holders of a foreign academic degree duly recognised as satisfying the objectives identical to the *licenciado* degree by the competent scientific body of the higher education institution where one wishes to be admitted;
- Holders of an academic, scientific or professional *curriculum vitae* that is recognized as attesting the capacity to carry out this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted.

Those who meet the following conditions may apply to the cycle of studies that leads to the *doutor* (doctor) degree:

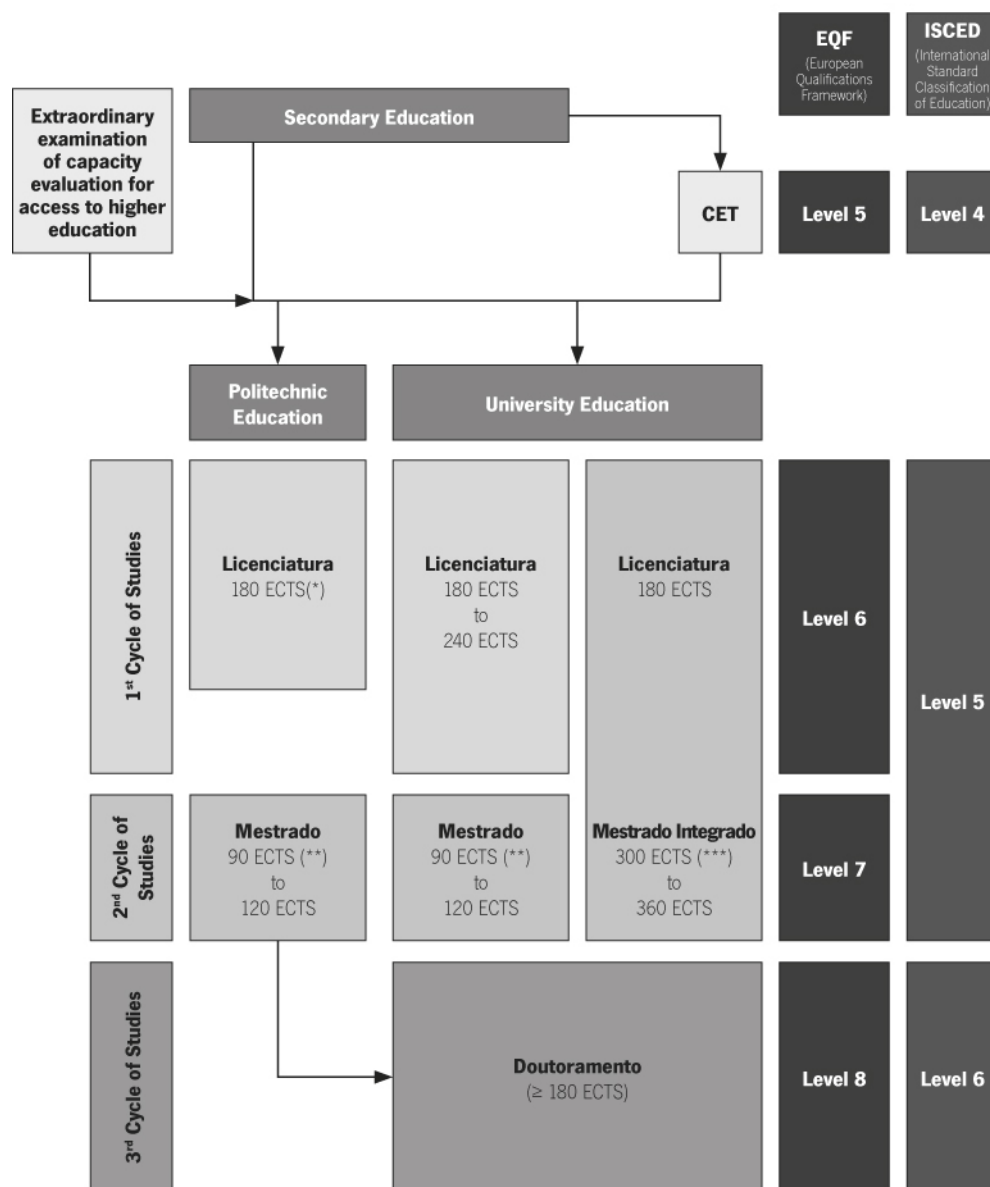
- Holders of the *mestre* (master) degree or legal equivalent;
- Holders of a *licenciado* degree who have a particularly relevant academic or scientific *curriculum vitae* that is recognized as attesting the capacity to carry out this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted.
- Holders of an academic, scientific or professional *curriculum vitae* that is recognized as attesting the capacity to carry out this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted.

### **Classification System**

The degrees of *licenciado* and *mestre* shall have a final classification between 10 and 20 on a numerical scale of 0 to 20, as well as its equivalent in the European scale of comparability of classifications.

The academic degree of *doutor* is assigned a final classification pursuant to the regulating standards approved by the university that confers it.

## Diagram of the Portuguese Higher Education System according to Bologna



(\*) Except when in order to exercise a certain professional activity requiring education and training rating between 210 and 240 ECTS.

(\*\*) In exceptional circumstances, and subject to the fulfillment of every requirement relating to the definition of the objectives of the degree and the conditions for acquiring the latter, a cycle of studies leading to a *Mestre* degree in a specialized field may be amount 60 credits resulting from a stable and consolidated practice in that specific field at international level.

(\*\*\*) A *Mestre* degree may also be granted following an integrated cycle of studies of which the duration, for the purposes of obtaining access to a professional activity, a) is established by European Union regulations; and b) results from a regular and consolidated practice within the European Union; in such cases, a *Licenciado* degree is granted to students having obtained 180 ECTS (3 years, 6 semesters).