



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): DAMAS COSTA

1.2 Given name(s): JOÃO PEDRO

1.3 Date of birth: 22-06-1998

1.4 Student identification number or code: 2016141

Identity Card Number: 15339776

2. INFORMATION IDENTIFYING THE QUALIFICATION

2.1 Name of qualification and title conferred:

Licenciatura in Prosthetics and Orthotics, *Licenciado*

2.2 Main field(s) of study for the qualification:

Prosthetics and Orthotics

Rehabilitation in Prosthetics and Orthotics; Spine in Prosthetics and Orthotics; Lower and Upper limb in Prosthetics and Orthotics; Biomechanics movement; Physical Activity and Health in Prosthetics and Orthotics; Introduction to biomechatronics; Sensors and Instrumentation in orthopedics.

2.3 Name (in original language) and status of awarding institution:

Instituto Politécnico de Lisboa, Estabelecimento de Ensino Superior Público

2.4 Name (in original language) and status of institution administering studies:

Escola Superior de Tecnologia da Saúde de Lisboa do Instituto Politécnico de Lisboa

2.5 Language(s) of instruction/examination:

Portuguese Language

3. INFORMATION ON THE LEVEL OF THE QUALIFICATION

3.1 Level of qualification:

Licenciatura; Nível 5 do ISCED (International Standard Classification of Education)

3.2 Official length of programme:

4 years / 8 semesters / 30 weeks of full-time study per year
240 ECTS, includes 60 ECTS Internship

3.3 Access requirement(s):

Secondary Education - Level 4 (ISCED - International Standard Classification of Education) and entrance exams (Biology and Geology or Biology and Geology and Physics and Chemistry or Biology and Geology and Mathematics) or equivalent in accordance with the national legislation of access to higher education.

4. INFORMATION ON THE CONTENTS AND RESULTS GAINED

4.1 Mode of study:

Full Time

4.2 Programme requirements:

The degree in Orthopaedics is based on a pedagogical-scientific model of teaching with internships and practical/clinical teaching throughout the curricular calendar, in reference to the students' professional profile at graduation. The first semesters in the study plan mainly presents a collective of curricular units in the scientific areas of natural and precise sciences, engineering and in health care/medicinal sciences, which contribute to the general scientific basis training, complimented by curricular units in the scientific areas of social and human sciences, studied throughout the training which develops the systematic and transversal competences of inter-personal communications and interaction with the community. The curricular units in the specified area of Orthopaedics are based on scientific, technical and focused clinical training which allows the students to progressively integrate in their training and with their specific competences. The training in Orthopaedics grants the students competences which will allow the graduates, through a good anamnesis, to study, construct, adapt and apply biomedical devices to amputee patients or patients with limb defects (Paedics/Orthopaedics) or a total or partial functional deficiency (Orthoses), as well as to participate in their physical space (social and professional), through studies, advising and adapting support products with the intention to adapt places of work, by reducing or eliminating physical barriers and modifying architecture, providing a service of rehabilitation and socio-professional integration. The graduate will also be able to participate in the areas of consultancy and management, investigation, at an industrial level, into new materials, components and techniques, prevention and health awareness, and teaching, being able to extend their professional activities in health centres, hospital units, orthopaedics and pharmacies, clinics and rehabilitation centres, and the component industry and business.

4.3 Programme details :

Unit Code	Curricular Unit	Year	CT-T	CT-TP	CT-LP	CT-I	CT-S	CT-TUT	CT-FW	CT-TWT	Classification	ECTS
10112	Regenerative and Cellular Biology	1	0045:00	0000:00	0000:00	0000:00	0000:00	0000:00	0000:00	0121:50	12	4,5
10401	General Biochemistry	1	0045:00	0015:00	0000:00	0000:00	0000:00	0000:00	0000:00	0121:50	10	4,5
20601	Anatomy I	1	0045:00	0000:00	0015:00	0000:00	0000:00	0000:00	0000:00	0135:00	11	5
20615	Physiology	1	0022:30	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	10	4
62220	Integration Seminars in Prosthetics and Orthotics	1	0000:00	0000:00	0000:00	0000:00	0045:00	0000:00	0000:00	0108:00	14	4
20602	Anatomy II	1	0045:00	0000:00	0015:00	0000:00	0000:00	0000:00	0000:00	0108:00	13	4
20617	Physiopathology	1	0045:00	0000:00	0000:00	0000:00	0000:00	0000:00	0000:00	0121:50	13	4,5
20810	Public Health and Epidemiology	1	0045:00	0000:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	11	4
62221	Methods and Techniques in Prosthetics and Orthotics	1	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0135:00	12	5
72405	Fundamentals of Electrotechnology	1	0022:30	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	11	4
72406	Dynamic Analysis on Prosthetics and Orthotics	1	0022:30	0030:00	0000:00	0000:00	0000:00	0000:00	0000:00	0121:50	11	4,5
10216	Mechanics Foundations	1	0022:30	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	11	4
72404	Computer Aided Drawing	1	0000:00	0000:00	0045:00	0000:00	0000:00	0000:00	0000:00	0108:00	12	4
10307	Mathematical Analysis	1	0022:30	0030:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	10	4
20730	Applied Pathology in Prosthetics and Orthotics I	2	0045:00	0000:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	14	4
62217	Podology	2	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0121:50	12	4,5
72408	Materials Sciences	2	0045:00	0015:00	0000:00	0000:00	0000:00	0000:00	0000:00	0121:50	10	4,5
72407	Orthopedics Applied Mechanics	2	0022:30	0045:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	10	4
62222	Upper Limb Prosthetics and Orthotics I	2	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0135:00	14	5

Unit Code	Curricular Unit	Year	CT-T	CT-TP	CT-LP	CT-I	CT-S	CT-TUT	CT-FW	CT-TWT	Classification	ECTS
30908	Health and Disease Psychology	2	0022:30	0030:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	16	4
62214	Upper Limb Prosthetics and Orthotics II	2	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0135:00	13	5
62223	Lower Limb Prosthetics and Orthotics I	2	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0121:50	13	4,5
72410	Biomechanics of Movement	2	0045:00	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	15	4
72411	Polymeric Materials and Composites	2	0045:00	0000:00	0015:00	0000:00	0000:00	0000:00	0000:00	0108:00	13	4
72412	Introduction to Biomechanics	2	0022:30	0000:00	0022:30	0000:00	0000:00	0000:00	0000:00	0108:00	13	4
31103	Sociology of Health	2	0022:30	0030:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	12	4
20731	Applied Pathology in Prosthetics and Orthotics II	2	0045:00	0000:00	0000:00	0000:00	0000:00	0000:00	0000:00	0121:50	12	4,5
72409	Sensors and Instrumentation at Prosthetics and Orthotics	2	0022:30	0000:00	0022:30	0000:00	0000:00	0000:00	0000:00	0108:00	11	4
62224	Trunk in Prosthetics and Orthotics	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0108:00	12	4
62212	Lower Limb Prosthetics and Orthotics II	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0135:00	13	5
31105	Sociology of professions	3	0022:30	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	13	4
10302	Applied Statistics	3	0022:30	0030:00	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	10	4
62201	Clinical Education in Prosthetics and Orthotics	3	0000:00	0000:00	0000:00	0000:00	0000:00	0015:00	0045:00	0135:00	14	5
72414	Ergonomics	3	0022:30	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	14	4
72413	Deformable Systems	3	0045:00	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0108:00	10	4
62216	Prosthetics and Orthotics in Rehabilitation	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0108:00	12	4
62225	Lower Limb Prosthetics and Orthotics III	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0121:50	12	4,5
62226	Backbone Prosthetics and Orthotics	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0121:50	12	4,5
62227	Internship in Prosthetics and Orthotics I	3	0000:00	0000:00	0000:00	0120:00	0000:00	0000:00	0000:00	0189:00	17	7
62232	Physical Activity and Health in Prosthetics and Orthotics	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0094:50	12	3,5
72415	Management in Prosthetics and Orthotics	3	0022:30	0022:30	0000:00	0000:00	0000:00	0000:00	0000:00	0081:00	14	3
30915	Communication in Healthcare	3	0022:30	0000:00	0030:00	0000:00	0000:00	0000:00	0000:00	0094:50	12	3,5
62228	Internship in Prosthetics and Orthotics II	4	0000:00	0000:00	0000:00	0525:00	0000:00	0000:00	0000:00	0729:00	12	27
62231	Seminars in Prosthetics and Orthotics	4	0000:00	0000:00	0000:00	0000:00	0045:00	0000:00	0000:00	0081:00	10	3
62229	Internship in Prosthetics and Orthotics III	4	0000:00	0000:00	0000:00	0450:00	0000:00	0000:00	0000:00	0702:00	15	26
62230	Research in Prosthetics and Orthotics	4	0000:00	0000:00	0000:00	0000:00	0000:00	0015:00	0045:00	0108:00	16	4

Legend: CT — Contact Time; T — Theoretical; LP —Laboratorial/practices; TP — Theoretical/practices; I — Internship; S — Seminar; FW — Fieldwork; TUT — Tutorial; TWT — Total Work Hours

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

The classification system translates into a whole range of 0 to 20, being necessary to obtain a rating, rounded to the units, equal or superior to 10 in all curricular units of study program for approval and qualification.

For fixation of final grades covered by each class of ECTS scale, we considered the distribution of final grades, in%, in the three years preceding that in which (a) student has use in the intervals A, B, C, D and E, covering each of these intervals, respectively 10%, 25%, 30%, 25% and 10% of students

Scale	Percentage	Classification
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Scale	Percentage	Classification
A	10	16
B	25	15
C	30	14
D	25	13
E	10	10

4.5 Overall classification of the qualification:

Concluded on 02-10-2020

Final Grade 13

ECTS mark [D]

5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION

5.1 Access to further study:

The qualification allows access to the Licensed Master degrees (ISCED 5) and PhD (ISCED 6) conditions for these degrees expressed in section 8 (Organization of Higher Education).

5.2 Professional status:

This qualification enables the professional practice as Prosthetist Orthotist in the public, private and cooperative, being dependent on the recognition of professional title and registration by the Ministry of Health, through the issuance of professional identification.

6. ADDITIONAL INFORMATION (official language)

6.1 Additional Information:

Programa ERASMUS+, mobilidade SMT, na TeamOlmed, Suécia - 1º semestre 2019/2020
ERASMUS+ Online Linguistic Support (OLS) - Language Assessment - English - Level B2 (CEFR)

The Additional Information will be presented in his official language, if there are any, for being an addition to the institutional information, not susceptible for any translation, depending on the dynamics of student and there is no standardization of the activity that the student intends to include this point

6.2 Further information sources:

- Ministério da Ciência, Tecnologia e Ensino Superior - Direção Geral do Ensino Superior
Av. Duque D' Ávila, 137, 1069-016 Lisboa
Tel.: (+351) 213126000
Fax: (+351) 213126001
www.mctes.pt
www.dges.gov.pt
- Instituto Politécnico de Lisboa – Serviços da Presidência
Estrada de Benfica, n.º 529, 1579-029 Lisboa
Tel: (+351) 21 710 12 00
Fax: (+351) 21 710 12 35
e-mail: servicoscentrais@sc.ipl.pt
www.ipl.pt
- Escola Superior de Tecnologia da Saúde de Lisboa
Avenida D. João II, lote 4.69.01, 1990-096 Lisboa
Tel: (+351) 21 898 0400
Fax: (+351) 21 898 0460
e-mail: estesl@estesl.ipl.pt
www.estesl.ipl.pt

7. CERTIFICATION OF THE SUPPLEMENT

7.1 Date: 29 October 2020

7.2 Signature:



Anabela Graça, MSc

7.3 Capacity: President of Escola Superior Tecnologia da Saúde de Lisboa

7.4 Official stamp or seal:

This document is officially stamped.

8. INFORMATION ON THE PORTUGUESE HIGHER EDUCATION SYSTEM

The description of the portuguese education system, officially provided by NARIC (National Academic Recognition Information Centre), can be found enclosed (see appendix I).

[www.naricportugal.pt /NARIC/](http://www.naricportugal.pt/NARIC/)

Appendix I

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. Pre-school education is optional and is for children between the ages of 3 and the age of entering basic education.

Secondary education is not compulsory and it comprises a 3 - year cycle (corresponding to 10th, 11th and 12th year of schooling).

Higher Education Structure

Higher Education includes university and polytechnic education.

University education is offered by public, private and cooperative university institutions and polytechnic education is offered by public, private and cooperative non-university institutions.

Private higher education institutions must be subject to the previous recognition of the Ministry of Science, Technology and Higher Education.

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 1st cycle of studies, the degree of *licenciado* is conferred 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. 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.

Appendix I

Doutor degree

The *Doutor* (doctor) degree is only conferred by university institutions. 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 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 especial exam for assessing their capacity to accede to higher education;
- holders of a specialization technological 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;
- Holders of a foreign academic degree conferred following a 1st cycle of studies organized according to the principles of the Bologna Process by a State that has subscribed this Process;
- 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.

Appendix I

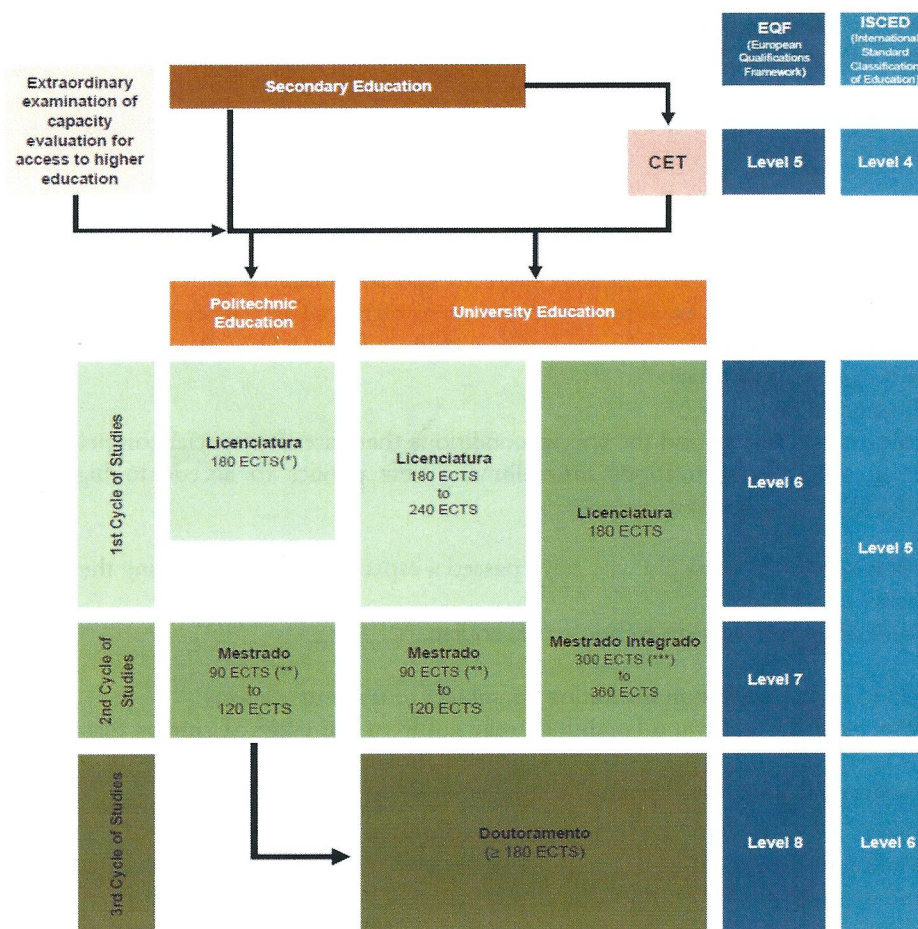
-Holders of an academic, scientific or professional curriculum vitae that is recognized as attesting the capacity to carry out this cycle of studies by the statutorily competent scientific body of the higher education institution to which they wish to be admitted.

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 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).