



## DEGREE CERTIFICATE

Cláudia Sofia Braz Rodrigues, Services Director of Academic Unit of Faculdade de Ciências da Universidade de Lisboa, authorized by sub-delegation, certifies that **Tânia Filipa Rodrigues de Araújo**, of Portuguese nationality, born on 1<sup>st</sup> of August of 2002, bearer of Citizen Card number 14772772, was approved in the following course units of **Licenciatura Course in Information Technology - Minor in Statistics and Operational Research**, concluded on the 19<sup>th</sup> of June of 2023, with the final grade of **14** (Fourteen) and the rank **C** in the ECTS grading scale (grading system defined in the European Credit Transfer and Accumulation System) and has been awarded the **Degree of Licenciada**:

Course Units	Approval Date	Grade <sup>1</sup>	ECTS <sup>2</sup>	ECTS Grade <sup>3</sup>
85111 - Scientific Controversies	2021-01-18	13	6.0	C
85130 - Computers and Society	2021-01-19	16	3.0	A
13566 - Elements of Mathematics II	2021-05-14	12	6.0	C
26751 - Introduction to Web Technologies	2021-05-17	13	6.0	D
26757 - Programming II (LTI)	2021-05-24	11	6.0	D
26755 - Computer Networks (LTI)	2021-06-05	15	6.0	B
26759 - Production of Technical Documents	2021-06-24	17	3.0	C
13565 - Elements of Mathematics I	2021-06-28	14	6.0	B
26702 - Computer Architectures	2021-07-01	11	6.0	D
26756 - Programming I (LTI)	2021-07-05	14	6.0	C
26707 - Databases	2022-01-06	12	6.0	D
26708 - Interacting with Computers	2022-01-10	16	6.0	B
26710 - Visualization Foundations and Techniques	2022-01-12	15	6.0	C
26754 - Operating Systems (LTI)	2022-01-18	13	6.0	C
26752 - Intelligent Systems	2022-06-09	17	6.0	A
26712 - Web Applications and Services	2022-06-14	15	6.0	C
22701 - Introduction to Probability and Statistics	2022-06-17	18	6.0	A
26711 - Analysis and Design of Software	2022-06-17	15	6.0	B

26713 - Product Design	2022-06-22	18	6.0	A
26709 - Distributed Applications	2022-07-08	14	6.0	C
22736 - Introduction to Operational Research	2023-01-06	10	6.0	D
22748 - Graphs and Networks	2023-01-09	13	6.0	C
26716 - Project Planning and Management	2023-01-13	16	6.0	B
26706 - Object Oriented Programming	2023-01-14	14	6.0	C
22766 - Statistics Laboratory II - Statistics in Data Science	2023-01-16	14	6.0	C
26758 - Construction of Software Components (LTI)	2023-01-26	17	6.0	B
22725 - Mathematical Programming	2023-06-01	10	6.0	E
26714 - Information Security	2023-06-05	14	6.0	C
22706 - Parametric Statistics	2023-06-16	16	6.0	C
26718 - Networks Technologies Project	2023-06-19	18	6.0	B
26719 - Information Technologies Project	2023-06-19	17	6.0	B

This certificate bears the Faculdade de Ciências da Universidade de Lisboa legal stamp.

The student has requested the registration certificate.

Faculdade de Ciências da Universidade de Lisboa, in 7<sup>th</sup> of July of 2023




Cláudia Sofia Braz Rodrigues

*The Services Director*

- 1 **Grade**  
(0-20 (scale); AP – Approved)  
A – Approved
- 2 **ECTS** - European Credit Transfer and Accumulation System
- 3 **EECC** – ECTS grading scale  
(A – Excellent; B – Very Good; C – Good; D – Satisfactory; E – Sufficient)

Fee: 20.00 €

Issued  Verified 