

# PERSONAL ACADEMIC RECORD CERTIFICATE

**I, ARESATZ USOBIAGA EPELDE**  
 University Registrar  
 of the Faculty of Science and Technology  
**DO HEREBY CERTIFY that**

**MIREIA TENA ZUAZOLACIGORRAGA, holder of ID card N. 73031942L, who entered**

**the University and  
 the Faculty of Science and Technology in the academic year 2017/18,  
 on the course leading to the Bachelor's Degree in Physics,  
 under a syllabus approved on 20/12/2010 and published in the Spanish Official Gazette on 31/01/2011,**

previous studies: Upper secondary with entrance exam (LOMCE) (Ciencias)

with the grade 9,26 (Honours)

in ordinary session of 2017

entrance examination: University entrance exam for upper-secondary education students (EAU) (Fase de Acceso)

with the grade 9,084 (Pass)

at University of the Basque Country

in ordinary session of 2017

**Has the following academic record:**

SUBJECT NAME	UNIV.	NO. OF CREDITS	TYPE	DATE	EXAM SESSION	GRADE	MARK	SESSION
<b>First year</b>								
Chemistry I	UPV/ EHU	6,00	D	2018/02/12	January	Good	7,30	1 B
Chemistry II	UPV/ EHU	6,00	D	2018/07/06	July	Pass	5,80	2 B
Differential and Integral Calculus I	UPV/ EHU	12,00	D	2018/06/18	May	Pass	6,80	1 B
Experimental Techniques I	UPV/ EHU	6,00	D	2018/06/13	May	Good	8,20	1 B
General Physics	UPV/ EHU	12,00	D	2018/06/12	May	Pass	6,60	1 E
Introduction to Computation	UPV/ EHU	6,00	S	2018/03/05	January	Excellent	9,10	1 B
Linear Algebra and Geometry I	UPV/ EHU	12,00	D	2018/06/18	May	Good	8,70	1 B
<b>Second year</b>								
Electromagnetism I	UPV/ EHU	6,00	O	2019/07/09	July	Pass	5,00	2 B
Electronics	UPV/ EHU	6,00	O	2019/07/02	July	Good	8,10	2 B
Experimental Techniques II	UPV/ EHU	6,00	O	2019/06/13	May	Good	7,90	1 B
Mathematical Methods	UPV/ EHU	12,00	O	2019/07/01	July	Pass	5,10	2 E
Mechanics and Waves	UPV/ EHU	15,00	O	2019/07/15	July	Pass	5,00	1 B
Modern Physics	UPV/ EHU	6,00	O	2019/06/13	May	Good	8,20	1 B
Vector and Complex Analysis	UPV/ EHU	9,00	O	2019/06/12	May	Good	7,00	1 B
<b>Third year</b>								
Astrophysics	UPV/ EHU	6,00	P	2020/06/09	May	Pass	6,50	1
Computational Methods	UPV/ EHU	9,00	O	2020/06/11	May	Excellent	9,80	1 B
Electromagnetism II	UPV/ EHU	6,00	O	2020/01/31	January	Good	7,20	1 B
Experimental Techniques III	UPV/ EHU	9,00	O	2020/06/13	May	Good	7,80	1 B
Optics	UPV/ EHU	6,00	O	2020/07/03	July	Pass	6,20	2 B
Quantum Physics	UPV/ EHU	12,00	O	2020/06/12	May	Pass	6,10	1 B
Statistical Physics & Thermodynamics	UPV/ EHU	12,00	O	2020/06/08	May	Pass	5,00	1 B
<b>Fourth year</b>								
Electrodynamics	UPV/ EHU	6,00	P	2021/01/26	January	Pass	6,60	1 B
Gravity and Cosmology	UPV/ EHU	6,00	P		May	Enrolled		0 B
Norms and Usage in Basque	UPV/ EHU	6,00	P	2021/02/04	January	Good	7,20	1 B
Nuclear & Particle Physics	UPV/ EHU	6,00	O		May	Enrolled		0 B



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SUBJECT NAME	UNIV.	NO. OF CREDITS	TYPE	DATE	EXAM SESSION	GRADE	MARK	SESSION
<b>Fourth year</b>								
Quantum Mechanics	UPV/ EHU	6,00	P	2021/02/02	January	Good	7,00	1 B
Solid State Physics I	UPV/ EHU	6,00	O	2021/01/19	January	Pass	5,80	1 B
Structural Properties of Solids	UPV/ EHU	6,00	P	2021/01/19	January	Good	8,30	1 E
Themes of Physics	UPV/ EHU	6,00	P		May	Enrolled		0

\* **Type:** D=Basic area-subject S=Basic from other areas O=Compulsory P=Elective Y=Final year project

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## SUMMARY OF CREDITS

TYPE OF SUBJECT	CREDITS REQUIRED	PENDING CREDITS
Basic area-subject	54	0
Basic from other areas	6	0
Compulsory	126	6
Elective	42	12
Final year project	12	12
<b>TOTAL</b>	<b>240</b>	<b>30</b>

## GRADE AVERAGE:

Out of 10: **6,87 (Pass)**

So that this may be placed on record, I issue this certificate.

In Leioa, April 11, 2021

General Secretariat



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In the Spanish university system, each subject is graded on a scale from 0 to 10 points. Each numeric grade corresponds to a quality grade as follows: Failed: 0 - 4,9, Pass: 5 - 6,9, Good: 7 - 8,9, Excellent: 9 - 10, Honours means getting excellent plus a special mention. To pass a subject is necessary to get at least 5 points.

In accordance with the provisions of the rules for permanence approved by the social council of the University of the Basque Country, as from academic year 2005/06, grade "examination not taken" does not use up a sitting. The previous regulation in force from 1993/94, under which four "examination not taken" grades counted as one sitting is therefore null and void.

The subjects appearing in this document have been taken in the languages indicated in the following nomenclature:

G: German, B: Basque, F: French, E: English



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