

[Republic of Panama stamp, one Balboa]



Republic of Panama

The Ministry of Education 1029

on behalf of the:

**Colegio Javier**

<First Name Last Name>

PIN (C.I.P) X-XXX-XXX

Is awarded the:

**High School Diploma in  
Science, Literature, and Philosophy**

Having completed the course of study and fulfilled the corresponding  
legal requirements.

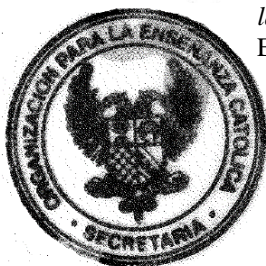
Done in Panama City, the 20th day  
of the month of December 2010.

[coat of arms of the *Colegio Javier*, Panama City, Panama]

[stamp of the Registrar of the *Organización para la Enseñanza Católica* (Organization for Catholic Education, *Colegio Javier*, Panama City, Panama)]


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School Principal



Resolution No. of  
2438  
September 29, 1948

[document is signed]

  
Regional Education Director  
Panama - Center



**Organización para la Enseñanza Católica**

(Organization for Catholic Education)

**Colegio Javier**

*In all things, to love and to serve*

The Reverend José María Andrés, School Principal, certifies that GRETHEL CRISTINA COWARD ZAPATEIRO attended our institution and obtained the following grades:

2003 School year		Fourth grade C				2004 School year		Fifth grade D			
Faith Education	4.4	4.7	4.7	3.9	<b>4.4</b>	Faith Education	4.5	5.0	2.7	4.4	<b>4.1</b>
Mathematics	4.6	4.1	4.0	4.0	<b>4.1</b>	Mathematics	4.2	4.2	3.0	3.7	<b>3.7</b>
Spanish	4.6	4.4	4.3	4.1	<b>4.3</b>	Spanish	4.7	4.1	4.3	4.1	<b>4.3</b>
English	4.9	4.2	4.6	3.7	<b>4.3</b>	English	4.8	4.8	4.4	4.3	<b>4.5</b>
Social Studies	4.8	4.7	4.8	4.6	<b>4.7</b>	Social Studies	4.4	4.0	4.1	3.9	<b>4.1</b>
Natural Science and Hygiene	4.4	4.1	4.3	4.0	<b>4.2</b>	Natural Science and Hygiene	4.0	4.3	3.9	4.0	<b>4.0</b>
Family and Consumer Science	4.6	4.9	4.5	4.1	<b>4.5</b>	Family and Consumer Science	4.7	4.4	4.9	5.0	<b>4.7</b>
Manual Activities	5.0	4.9	4.9	5.0	<b>4.9</b>	Manual Activities	4.9	4.9	5.0	4.9	<b>4.9</b>
Artistic Activities	3.8	4.5	4.8	4.1	<b>4.3</b>	Artistic Activities	4.4	3.8	4.5	3.4	<b>4.0</b>
Physical Education	5.0	4.6	5.0	5.0	<b>4.9</b>	Physical Education	4.5	4.3	5.0	4.5	<b>4.5</b>
Final Average					<b>4.4</b>	Computer Science	3.6	4.0	4.4	4.2	<b>4.0</b>
						Final Average					<b>4.2</b>
Punctuality	S	S	S	R		Punctuality	S	S	S	S	
Civic-mindedness	S	S	S	S		Civic-mindedness	S	S	S	S	
Respect for other ppl's property.	S	S	S	S		Respect for other ppl's property.	S	S	S	S	
Order and cleanliness	S	S	S	S		Order and cleanliness	S	S	S	S	
Discipline	S	S	S	S		Discipline	S	S	S	S	
2005 School year		Sixth grade A									
Faith Education	4.8	5.0	4.1	4.6	<b>4.6</b>						
Mathematics	4.0	3.4	3.3	3.8	<b>3.6</b>						
Spanish	4.3	4.0	4.0	3.6	<b>3.9</b>						
English	3.7	4.8	3.9	4.1	<b>4.1</b>						
Social Studies	4.0	4.2	3.8	3.8	<b>3.9</b>						
Natural Science and Hygiene	4.3	4.0	3.9	4.2	<b>4.1</b>						
Family and Consumer Science	4.7	3.7	4.8	4.6	<b>4.4</b>						
Manual Activities	4.5	4.8	4.4	4.6	<b>4.5</b>						
Artistic Activities	3.7	4.6	3.0	4.2	<b>3.8</b>						
Physical Education	4.4	3.6	4.3	4.3	<b>4.1</b>						
Computer Science	4.7	4.7	4.3	3.3	<b>4.2</b>						
Final Average					<b>4.1</b>						
Punctuality	S	S	S	S							
Civic-mindedness	S	S	S	S							
Respect for othr ppl's propty.	S	S	S	S							
Order and cleanliness	S	S	S	S							
Discipline	S	S	S	S							

Grades are based on a 5.0-point scale  
3.0 is the minimum passing grade for each subject  
Classes are 45 minutes in duration.

In witness whereof for all pertinent purposes, the present document is signed and sealed.

[document is signed]

Rev. José María Andrés, sj  
Principal



EQUIVALENCY IN LETTER GRADE

A - 5.0    C - 3.0  
B+ - 4.5    D+ - 2.5  
B - 4.0    D - 2.0  
C+ - 3.5    F - 1.0

Panama, November 29, 2017



**Organización para la Enseñanza Católica**  
 (Organization for Catholic Education)

## Colegio Javier

*In all things, to love and to serve*

The Reverend José María Andrés, School Principal, Certifies that GRETHEL CRISTINA COWARD ZAPATEIRO has completed all five years of our Bachelor's degree in SCIENCE, LITERATURE, AND PHILOSOPHY, and has obtained the following grades:

2006 School year	Seventh grade	H/W*	Grd	Retake	2008 School year	Ninth grade	H/W	Grd	Retake
Religious Education		2	3.7		Spanish		4	4.0	
Spanish		5	3.2		Religious Education		2	3.9	
English		4*	4.1		Human Geography & Economics		2	3.2	
Geography of Panama		2	3.3		History of Antiquity & the Middle Ages		3	3.8	
Geography of America		2*	3.7		English		4*	4.1	
Civics		1	3.5		Mathematics (Algebra)		3	3.3	
Artistic Education		2	4.8		Geometry		3	3.0	
Mathematics		5	3.2		Biology		3*	3.6	
Math Fundamentals		2	3.2		Physics		3*	3.2	
Natural Science		5*	3.3		Chemistry		3*	3.2	
Physical Education		1	4.5		Physical Education		1	3.9	
Computer Science		2*	4.5		Computer Science		2*	3.7	
					Technical Drawing		2	3.1	
2007 School year	Eighth grade	H/W	Grd	Retake	2009 School year	Tenth grade	H/W	Grd	Retake
Religious Education II		2	4.3		Spanish		5	3.8	
Spanish		5	3.8		Religious Education		2	3.3	
Civics		2	4.0		Philosophy - Logic		3	3.4	
English		4*	4.2		Modern & Contemporary History		2	4.0	
Geography		2	3.7		General Geography		2	3.9	
History		2	3.8		English		4*	4.4	
Mathematics		5	2.8	3.2	Mathematics (Trigonometry & Algebra)		5	3.0	
Math Fundamentals		3	3.1		Biology II		3*	3.6	
Natural Science		5*	3.0		Physics II		4*	2.9	3.7
Physical Education		1	4.6		Chemistry II		4*	3.1	
Computer Science		2*	4.1		Physical Education		1	4.6	
					Computer Science		2*	3.9	

\* H/W= Hours per week





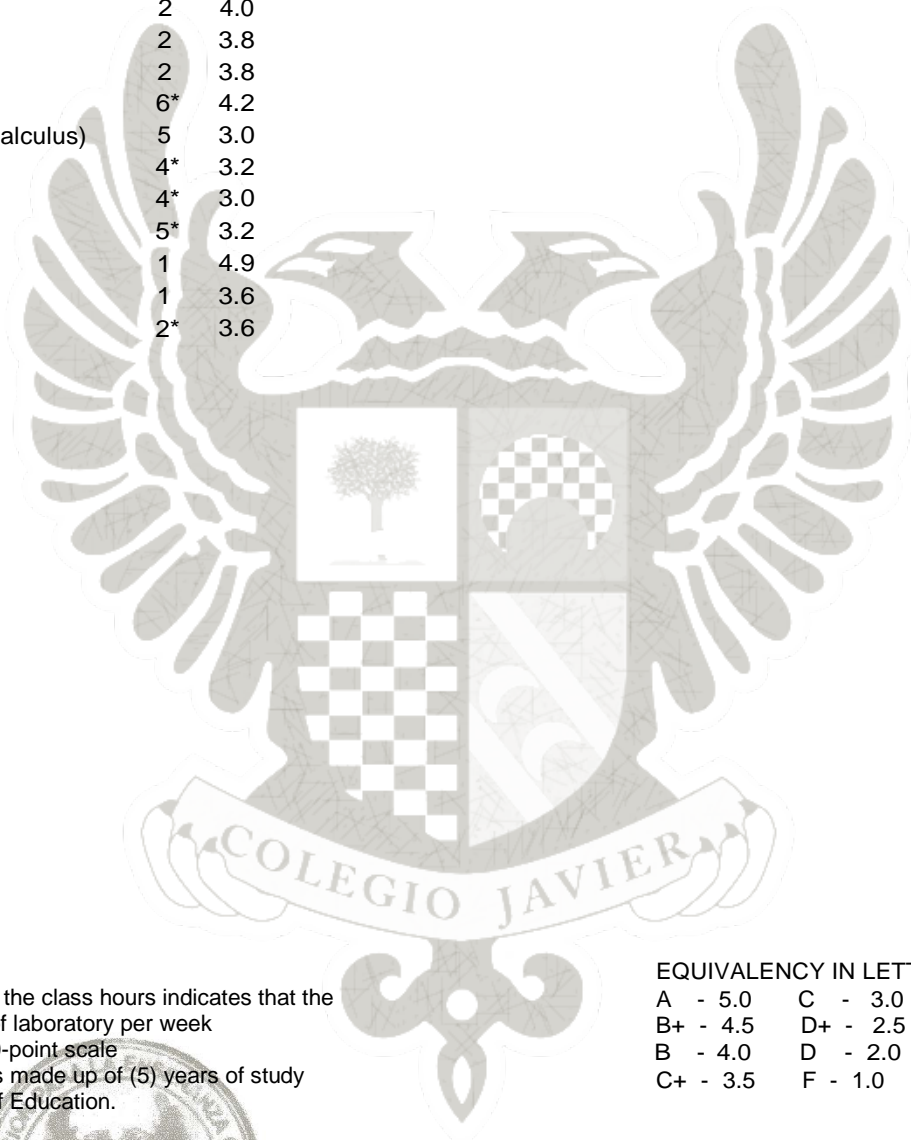


**Organización para la Enseñanza Católica**  
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## Colegio Javier

*In all things, to love and to serve*

2010 School year	Eleventh grade	H/W	Grd	Retake
Spanish		5	3.4	
Ethics		2	3.5	
Philosophy II		2	4.0	
Government		2	3.8	
History of Panama		2	3.8	
English		6*	4.2	
Mathematics (Geometry and Calculus)		5	3.0	
Biology III		4*	3.2	
Physics III		4*	3.0	
Chemistry III		5*	3.2	
Physical Education		1	4.9	
Research Techniques		1	3.6	
Computer Science V		2*	3.6	



Note 1 : The asterisk (\*) placed after the class hours indicates that the course includes one hour of laboratory per week

Note 2: Grades are based on a 5.0-point scale

Note 3: Our High School program is made up of (5) years of study  
Approved by the Ministry of Education.

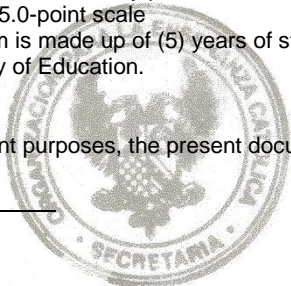
#### EQUIVALENCY IN LETTER GRADE

A - 5.0	C - 3.0
B+ - 4.5	D+ - 2.5
B - 4.0	D - 2.0
C+ - 3.5	F - 1.0

In witness whereof for all pertinent purposes, the present document is signed and sealed.

[document is signed]

Rev. José María Andrés, sj  
Principal



Panama, November 29, 2017

UNIVERSIDAD TECNOLÓGICA DE PANAMÁ  
 OFFICE OF THE REGISTRAR  
 OFFICIAL ACADEMIC TRANSCRIPT

FUTP-SG-SHA-006-1

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Name : COWARD, GRETHEL  
 ID # : 08-0876-000221  
 Faculty : CIVIL ENGINEERING  
 Degree : LICENCIATURA (BACHELOR'S) IN MARITIME AND PORT ENGINEERING

Course Code	Course Name	Grade	Credits	Points	GPA	Status
<b>SUMMER OF 2011</b>						
0130	PRECALCULUS	X	4	0		
0032	ACADEMIC AND PROF. SKILLS	P	0	0		PASS
			<b>0</b>	<b>0</b>	<b>0.00</b>	
<b>FIRST SEMESTER OF 2011</b>						
7980	GENERAL CHEMISTRY	D	4	0		
7981	LANGUAGE I (SPANISH)	B	3	6		
7982	PRINCIPLES OF ECONOMICS	D	3	0		
8718	GEOGRAPHY AND HISTORY OF PANAMA	A	2	6		
			<b>12</b>	<b>12</b>	<b>1.00</b>	
<b>SECOND SEMESTER OF 2011</b>						
7979	TECHNICAL DRAWING AND DESCRIPTIVE GEOMETRY	D	4	0		
8011	GENERAL ECOLOGY	B	3	6		
7985	GENERAL CHEMISTRY II	D	4	0		
			<b>25</b>	<b>18</b>	<b>0.78</b>	
<b>SUMMER OF 2012</b>						
0124	INTRO. TO MARITIME & PORT SCIENCES	B	2	4		
0130	PRECALCULUS	(P)	4	0		PASS
			<b>25</b>	<b>22</b>	<b>0.88</b>	
<b>FIRST SEMESTER OF 2012</b>						
7980	GENERAL CHEMISTRY I	(C)	4	4		
7987	CALCULUS I	D	5	0		
8004	LANGUAGE II (ENGLISH)	A	3	9		
			<b>33</b>	<b>35</b>	<b>1.06</b>	
<b>SECOND SEMESTER OF 2012</b>						
8322	CALCULUS III	D	4	0		
8319	PHYSICS I (MECHANICS)	C	5	5		
7988	CALCULUS II	D	5	0		
			<b>47</b>	<b>40</b>	<b>0.85</b>	
<b>SUMMER OF 2013</b>						
7988	CALCULUS II	(D)	5	0		
			<b>47</b>	<b>40</b>	<b>0.85</b>	
<b>FIRST SEMESTER OF 2013</b>						
8001	STATISTICS	F	4	0		
8003	PROGRAMING	C	3	3		
8320	PHYSICS II (ELECTRICITY & MAGNETISM)	C	5	5		
8765	TYPES OF MERCHANDISE	B	3	6		
			<b>62</b>	<b>54</b>	<b>0.87</b>	
<b>SECOND SEMESTER OF 2013</b>						
8048	ENVIRONMENTAL IMPACT ASSESSMENT	D	3	0		
8009	PHYSICS III (OPTICS, WAVES, AND HEAT)	C	4	4		
8322	CALCULUS III	(C)	4	4		
			<b>69</b>	<b>62</b>	<b>0.90</b>	
<b>SUMMER OF 2014</b>						
7988	CALCULUS II	(B)	5	10		
			<b>69</b>	<b>72</b>	<b>1.04</b>	
<b>FIRST SEMESTER OF 2014</b>						
8001	STATISTICS	(A)	4	12		
0709	ORDINARY DIFFERENTIAL EQUATIONS	F	5	0		
			<b>74</b>	<b>84</b>	<b>1.14</b>	
<b>SECOND SEMESTER OF 2014</b>						
8010	NUMERICAL METHODS	D	3	0		
8008	MECHANICS OF DEFORMABLE BODIES I	D	3	0		

[seal of the Registrar, Universidad Tecnológica de Panamá, Panama City, Panama]

Valid with Registrar's seal and signature  
 Apdo. 0819-07289, Panamá, República de Panamá. Tel: 560-3304, Email: secretaria.general@utp.ac.pa



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Name : COWARD, GRETHEL  
ID # : 08-0876-000221  
Faculty : CIVIL ENGINEERING  
Degree : BACHELOR'S IN MARITIME AND PORT ENGINEERING

Course Code	Course Name	Grade	Credits	Points	GPA	Status
			<b>80</b>	<b>84</b>	<b>1.05</b>	
<b>SUMMER OF 2015</b>						
8007	DYNAMICS	D	4	0		
			<b>84</b>	<b>84</b>	<b>1.00</b>	
<b>FIRST SEMESTER OF 2015</b>						
8013	MECHANICS OF FLUIDS	F	4	0		
8016	CONSTR. MATERIALS AND TESTING NORMS	B	4	8		
8342	TOPOGRAPHY	F	5	0		
0125	STRUCTURAL ANALYSIS	F	3	0		
			<b>100</b>	<b>92</b>	<b>0.92</b>	

The grades in parenthesis ( ) indicate that a course has been taken more than once.

Panama City, Dr. Victor Levi Sasso university campus, the twenty-seventh day of the month of November 2017

[stamp of the *Universidad Tecnológica de Panamá*,  
Panama City, Panama



  
**Luis A. Barahona G.**  
Registrar  
[document is signed]

Valid with Registrar's seal and signature  
Apdo. 0819-07289, Panamá, República de Panamá. Tel: 560-3304, Email: [secretaria.general@utp.ac.pa](mailto:secretaria.general@utp.ac.pa)