

**EAFIT APPROVED AS UNIVERSITY BY DECREE 759 OF MAY 6 OF 1971 OF THE PRESIDENCY OF THE REPUBLIC OF COLOMBIA**

**ACADEMIC RECORD  
OFFICIAL TRANSCRIPTS ISSUED: 20211014**

**First and last name:** David Plazas Escudero  
**Student I.D.:** 201710005101  
**Citizenship I.D.:** CC 1037671124  
**Current Status:** GRADUATED (20211)  
**Study Program:** 101 MATHEMATICAL ENGINEERING  
**Graduation Certificate:** 00990  
**Date of Graduation:** 20210629

Course Code	Subjects	Credits	Weekly Hours	Semester Hours	Grades	Minimum Passing Grade	Concept
<b>SEMESTER 2016-2</b>							
CM0075	MODELING AND SIMULATION I	3	3.0	48.0	5.0	3.0	C
<b>SEMESTER TOTALS 2016-2</b>		<b>3</b>	<b>3.0</b>	<b>48.0</b>			
<b>SEMESTER 2017-1</b>							
BU0008	ORIENTATION DAY	0	17.0	17.0	5.0	3.0	
BU0465	PHOTOGRAPHY	1	2.0	20.0	5.0	3.0	
CM0230	CALCULUS 1	3	3.0	48.0	4.9	3.0	
CM0234	LINEAR ALGEBRA	3	3.0	48.0	4.7	3.0	
CM0260	LOGIC	3	3.0	48.0	4.8	3.0	
CM0446	GEOMETRY IN CONTEXT	4	5.0	80.0	4.9	3.0	
HL0591	TEXT ANALYSIS (INSTITUTIONAL TRAINING CORE)	3	3.0	48.0	4.7	3.0	
ST0242	FUNDAMENTALS OF PROGRAMMING	4	4.0	64.0	4.8	3.0	
<b>SEMESTER TOTALS 2017-1</b>		<b>21</b>	<b>40.0</b>	<b>373.0</b>			
<b>SEMESTER 2017-2</b>							
CM0078	MODELING AND SIMULATION II	3	3.0	48.0	5.0	3.0	
CM0231	CALCULUS 2	3	3.0	48.0	5.0	3.0	
CM0246	DISCRETE MATHEMATICS	3	3.0	48.0	4.3	3.0	
DE0084	CONSTITUTION AND SOCIETY (INSTITUTIONAL TRAINING CORE)	3	3.0	48.0	4.5	3.0	
DF0236	PHYSICS I	4	5.0	80.0	4.3	3.0	
ST0245	DATA STRUCTURE AND ALGORITHMS 1	3	3.0	48.0	4.9	3.0	
<b>SEMESTER TOTALS 2017-2</b>		<b>19</b>	<b>20.0</b>	<b>320.0</b>			
<b>SEMESTER 2018-1</b>							
CM0079	MODELING AND SIMULATION III	3	3.0	48.0	4.8	3.0	
CM0232	CALCULUS 3	3	3.0	48.0	4.8	3.0	
CM0235	DIFFERENTIAL EQUATIONS	3	3.0	48.0	4.9	3.0	
CM0415	PROBABILITY THEORY (MATH ENG.)	3	3.0	48.0	4.6	3.0	
DF0239	PHYSICS II	4	5.0	80.0	4.4	3.0	
OG0591	INITIATIVE AND CORPORATE CULTURE (INSTITUTIONAL TRAINING CORE)	3	3.0	48.0	4.6	3.0	
<b>SEMESTER TOTALS 2018-1</b>		<b>19</b>	<b>20.0</b>	<b>320.0</b>			
<b>SEMESTER 2018-2</b>							
CM0080	MODELING AND SIMULATION IV	3	3.0	48.0	4.9	3.0	
CM0081	FORMAL LANGUAGES AND AUTOMATA	3	3.0	48.0	4.8	3.0	
CM0418	STATISTICS 1(MATH.ENG.)	3	3.0	48.0	4.8	3.0	

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CM0426	OPTIMIZATION 1	3	3.0	48.0	4.2	3.0	
GP0039	COLOMBIA IN THE INTERNATIONAL FIELD (INSTITUTIONAL TRAINING CORE)	3	3.0	48.0	4.8	3.0	
MU0401	MUSIC AND CULTURE - Elective, Training Core	3	3.0	48.0	5.0	3.0	
<b>SEMESTER TOTALS 2018-2</b>		<b>18</b>	<b>18.0</b>	<b>288.0</b>			
<b>SEMESTER 2019-1</b>							
CM0050	OPTIMIZATION 2	3	3.0	48.0	4.0	3.0	
CM0422	PARTIAL DIFFERENTIAL EQUATIONS	3	3.0	48.0	4.5	3.0	
CM0423	STATISTICS 2 (MATH. ENG.)	3	3.0	48.0	4.9	3.0	
CM0440	LINEAR SYSTEMS	3	3.0	48.0	4.5	3.0	
ST0256	NUMERICAL ANALYSIS	3	3.0	48.0	4.6	3.0	
ST0291	INFORMATION SCIENCE	3	3.0	48.0	4.8	3.0	
<b>SEMESTER TOTALS 2019-1</b>		<b>18</b>	<b>18.0</b>	<b>288.0</b>			
<b>SEMESTER 2019-2</b>							
CM0085	MODELING AND SIMULATION V	3	3.0	48.0	5.0	3.0	
CM0087	ANALYSIS 1	3	3.0	48.0	5.0	3.0	
CM0089	EXPERIMENTAL MODELING	3	3.0	48.0	5.0	3.0	
CM0433	STOCHASTIC PROCESSES 1	3	3.0	48.0	4.8	3.0	
CM0436	RESEARCH PRACTICE 1	3	2.0	24.0	5.0	3.0	
CM0439	HEURISTICS	3	3.0	48.0	4.2	3.0	
<b>SEMESTER TOTALS 2019-2</b>		<b>18</b>	<b>17.0</b>	<b>264.0</b>			
<b>SEMESTER 2020-1</b>							
CM0088	ANALYSIS 2	3	3.0	48.0	4.7	3.0	
CM0438	STOCHASTIC PROCESSES 2	3	3.0	48.0	4.6	3.0	
CM0441	RESEARCH PRACTICE 2	3	2.0	24.0	4.8	3.0	
CM0896	NONPARAMETRIC STATISTICS IN DATA SCIENCES	3	8.0	36.0	5.0	3.0	
EC0311	MATHEMATICAL ECONOMICS	3	3.0	48.0	4.9	3.0	
PT0113	PREPARATION FOR THE INTERNSHIP SEMESTER	0	2.0	32.0	A	A	
<b>SEMESTER TOTALS 2020-1</b>		<b>15</b>	<b>21.0</b>	<b>236.0</b>			
<b>SEMESTER 2020-2</b>							
CM0055	RESEARCH PRACTICE 3	3	2.0	24.0	4.8	3.0	
CM0091	ARTIFICIAL INTELLIGENCE	3	3.0	48.0	4.7	3.0	
CM0092	NUMERICAL ANALYSIS II	3	3.0	48.0	5.0	3.0	
CM0887	DIFFERENTIAL GEOMETRY	3	2.0	32.0	5.0	3.0	
CM0888	ALGEBRA IN DATA SCIENCES	3	8.0	36.0	4.8	3.0	

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EC0301	TIME SERIES	3	3.0	48.0	4.8	3.0	
<b>SEMESTER TOTALS 2020-2</b>		<b>18</b>	<b>21.0</b>	<b>236.0</b>			
<b>SEMESTER 2021-1</b>							
PT0303	INTERNSHIP SEMESTER (ENGINEERING MATHEMATICS)	18	1.0	16.0	4.9	3.0	
<b>SEMESTER TOTALS 2021-1</b>		<b>18</b>	<b>1.0</b>	<b>16.0</b>			
<b>GRAND TOTAL</b>		<b>167</b>	<b>179.0</b>	<b>2389.0</b>			

Semester Grade Point Average 2021-1 (SGPA): 4.90  
 Cumulative Grade Point Average (CGPA): 4.77

**CONCEPTS**

O: Optional                      I: Vacation Course                      R: Repeated Course                      A: Accredited (Credits Recognized from other Programs)  
 H: Make up Exam                      C: Agreement                      S: Proficiency Exam                      E: EQUIVALENT

**GRADING SCALE: QUANTITATIVE**

Maximum Grade: 5.0                      Minimum Grade: 0

**GRADING SCALE: QUALITATIVE**

R: FAIL  
 A: PASS

**THIS CERTIFICATE DOES NOT HAVE ERASURES OR CORRECTIONS.**

**THIS CERTIFICATE IS ONLY VALID WHEN SIGNED AND SEALED BY THE HEAD OF ADMISSIONS AND REGISTRAR OR THE GENERAL SECRETARY. ANY INFORMATION IN DIFFERENT INK OR PRINT, SHOULD BE SIGNED AND SEALED BY THE HEAD OF ADMISSIONS AND REGISTRAR OR THE GENERAL SECRETARY.**

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**MARIBEL BAYER MEJIA  
HEAD OF ADMISSIONS AND REGISTRAR**

Sebastian Henao Pulgarin

"The hereby certificate with digital signature has validity conformed to law 527 of 1999 and other norms that complement, modify or replace them"