



Certificate of studies *
Folio 20-15173 I

* Official transcripts are issued only in Spanish.

The Office of the Registrar of the Instituto Tecnológico y de Estudios Superiores de Monterrey certifies that the student named in this document has credited the subjects listed below in the academic periods cited.

This certificate is only valid as an original copy when it bears the raised seals of the institution. The studies certified by this document are officially valid in the entire country in accordance with the Presidential Decree of July 24, 1952, published in the Diario Oficial de la Federación of September 12, 1952 and Agreement Number 3438 issued by the Ministry of Public Education on February 24, 1974 and published in the Diario Oficial de la Federación on March 3 of the same year. The Tecnológico de Monterrey is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, master's, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (+1) 404-679-4300 for questions about the accreditation of the Tecnológico de Monterrey. Courses are given in eighteen-week semesters, or in six-week periods, on an intensive basis. Semesters begin in August and January; intensive courses begin in June and are given in the same number of hours as in the semesters. In some of the graduate programs, courses are given in twelve-week trimesters, beginning in January, April and September. The grading scale is from 1 to 100. The minimum passing grade is 70.

Name Sofía Pamela Recinos Dorst

Date June 24th, 2022

Registration number 1657055

This certificate was issued at Monterrey, Nuevo León

This document certifies studies in B.S. COMPUTER SCIENCE AND TECHNOLOGY

Name of course	Grade	Name of course	Grade
August - December 2018		Electricity and Magnetism	84
Introduction to Computer Science and Technology	97	Verbal Expression in the Workplace	90
Management and Business Model Innovation	92	January - February 2020	
January - May 2019		Probability and Statistics	89
Foreign Language	88	Linear Algebra	100
Mathematics I	84	February - June 2020	
Programming Fundamentals	87	Mathematics III	92
Verbal Expression and Analysis	85	Data Structures	86
Computer Organization	96	Introduction to Software Engineering	92
Ethics, Self and Society	95	Databases	94
Project Evaluation and Management	89	Videogame Development Project	90
June - July 2019		Introduction to Networks	88
Physics I	85	Numerical Methods in Engineering	92
August - December 2019		June - July 2020	
Natural Sciences and Sustainable Development	85	Operating Systems	92
Discrete Mathematics	89	Citizenship	96
Mathematics II	88	August - December 2020	
Introduction to Interactive Design	88	Analysis and Design of Algorithms	90
Object-Oriented Programming	75	Analysis and Modeling of Software Systems	88
CONTINUED NEXT COLUMN		Computational Mathematics	81
		Network Interconnection	90
		OVER	

Name of course	Grade	Name of course	Grade
Entrepreneurship	100	INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY 24 JUN 2022 DIRECCIÓN DE SERVICIOS ESCOLARES	
Mobile Application Development Projects	94		
Advanced Database Systems	100		
February - June 2021			
Humanities and Fine Arts	95		
Advanced Programming	97		
Software Quality and Testing	97		
Programming Languages	100		
Web Applications Development	96		
Computer and Information Security	89		
Management of Software Engineering Projects	87		
August - December 2021			
Quantitative Methods and Simulation	97		
Computer Graphics	89		
Software Design and Architecture	99		
Intelligent Systems	99		
Business Solution Development			
Capstone Project	95		
Introduction to Professional Development	89		
January - February 2022			
Topics I (E-Business Management)	92		
Applied Ethics	88		
February - June 2022			
Compiler Design	87		
Web Application Development Laboratory	99		
Topics II (Capture and Digital Art)	85		
Topics III (A Hard Look at the Movies)	100		
Topics IV (Public Relations)	97		
Topics V (Negotiation and Conflict Management)	88		
Topics VI (Business Intelligence)	87		

This certificate covers 57 (FIFTY SEVEN) courses that make up the entire curriculum for B.S. Computer Science and Technology (Version 2011).			
Grade point average for all the courses included in this certificate		91.28	
THIS IS THE OFFICIAL TRANSLATION OF THE TRANSCRIPT ISSUED BY INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY  Lic. Angelberto Guardado Astorga			