

# INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY



**Campus Querétaro**

*\* 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 Institute. 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 28, 1974 and published in the Diario Oficial de la Federación on March 5 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) 404-679-4500 for questions about the accreditation of the Tecnológico de Monterrey. Courses are given in eighteen-week semesters, or in five-week periods, on an intensive basis. Semesters begin in August and February. Intensive courses begin in June and January 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 Rodrigo Muñoz Guerrero

Date August 23rd, 2022

Registration number 572858

INSTITUTO TECNOLÓGICO Y  
DE ESTUDIOS SUPERIORES  
DE MONTERREY

23-Ago-2022

DIRECCIÓN DE SERVICIOS  
ESCOLARES

This certificate was issued at Querétaro, Querétaro

Luis Alberto López Monreal

Registrar

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

Name of course	Grade	Credits	Name of course	Grade	Credits
<b>August - December 2019</b>			Computational Modeling of Electromagnetic Systems	90	3
Elective Course Mathematics and Science (Fundamentals of Biological Systems)	96	3	Intermediate Mathematical Modeling	97	2
Engineering and Science Modeling	91	3	Statistic Analysis	88	1
Computational Modeling of Movement	91	3	Modeling of Engineering with Computational Mathematics	94	3
Computational Modeling Applying Conservation Laws	94	3	Object-Oriented Programming	86	1
Mathematical Thinking I	96	2	Elective Course Leadership, Entrepreneurship and Innovation (Argumentation, Debate, and the Art of Public Speaking)	91	3
Analysis of the Structure and Properties of Matter	87	1	<b>August - December 2020</b>		
Computational Thinking and Programming	94	3	Implementation of the Internet of Things	89	6
<b>February - June 2020</b>			Programming of Data Structures and Fundamental Algorithms	100	3
Computational Biology Analysis	84	1	Exploration Topic	98	3
Physical Experimentation and Statistical Thinking	94	1	<b>August - December 2021</b>		
Computational Modeling of Electrical Systems	89	3	Analysis of Differential		
CONTINUED NEXT COLUMN			OVER		

Name of course	Grade	Credits	Name of course	Grade	Credits
Equations	87	1			
Modeling of Minimum Systems and Computational Architectures	90	1			
Analysis of Software Requirements	96	1			
<b>February - June 2022</b>					
Software Construction and Decision Making	98	8			
Device Interconnection	97	4			
Implementation of Computational Methods	92	3			
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This is a partial certificate covering 25 (TWENTY FIVE) courses that make up the curriculum for B.S. in Computer Science and Technology (Version 2019).					
THIS IS THE OFFICIAL TRANSLATION OF THE TRANSCRIPT ISSUED BY INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY					