



INSTITUTO TECNOLÓGICO
Y DE ESTUDIOS SUPERIORES
DE MONTERREY

Campus Querétaro

Certificate of studies *

Folio 20-16193 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 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 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 Emilio Aguilera Carlín

Date June 28th, 2023

Registration number 1351355

This certificate was issued at Querétaro, Querétaro

(This is the translation and therefore is unsigned)
Registrar

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

| Name of course | Grade | Name of course | Grade |
|--------------------------------------|-------|------------------------------------|-------|
| August - December 2018 | | Mathematics III | 90 |
| Physics I | 76 | Data Structures | 87 |
| Foreign Language | 89 | Videogame Development Project | 98 |
| Mathematics I | 85 | February - June 2020 | |
| Programming Fundamentals | 83 | Ethics, Self and Society | 100 |
| Introduction to Computer Systems | | Databases | 88 |
| Engineering | 100 | Analysis and Design of Algorithms | 86 |
| Management and Business Model | | Introduction to Networks | 92 |
| Innovation | 86 | Numerical Methods in Engineering | 100 |
| Computer Organization | 85 | Web Applications Development | 88 |
| January - May 2019 | | June - July 2020 | |
| Discrete Mathematics | 79 | Operating Systems | 98 |
| Verbal Expression and Analysis | 91 | August - December 2020 | |
| Mathematics II | 87 | Verbal Expression in the Workplace | 96 |
| Introduction to Interactive Design | 91 | Linear Algebra | 91 |
| Object-Oriented Programming | 84 | Analysis and Modeling of Software | |
| Introduction to Software Engineering | 85 | Systems | 95 |
| August - December 2019 | | Mobile Application Development | |
| Natural Sciences and Sustainable | | Projects | 95 |
| Development | 95 | Web Application Development | |
| Electricity and Magnetism | 90 | Laboratory | 95 |
| Probability and Statistics | 91 | January - February 2021 | |
| CONTINUED NEXT COLUMN | | OVER | |

| Name of course | Grade | Name of course | Grade |
|--|-------|----------------|-------|
| Citizenship | 97 | | |
| February - June 2021 | | | |
| Computational Mathematics | 100 | | |
| Network Interconnection | 95 | | |
| Advanced Programming | 90 | | |
| Advanced Database Systems | 97 | | |
| Computer Graphics | 96 | | |
| August - December 2021 | | | |
| Topics I | 93 | | |
| Topics II | 93 | | |
| Topics III | 100 | | |
| Topics IV | 100 | | |
| Topics V | 90 | | |
| Topics VI | 80 | | |
| February - June 2022 | | | |
| Entrepreneurship | 90 | | |
| Software Quality and Testing | 88 | | |
| Project Evaluation and Management | 83 | | |
| Management of Software Engineering Projects | 88 | | |
| Software Design and Architecture | 88 | | |
| Applied Ethics | 90 | | |
| June - July 2022 | | | |
| Humanities and Fine Arts | 99 | | |
| Programming Languages | 95 | | |
| August - December 2022 | | | |
| Computer and Information Security | 99 | | |
| Quantitative Methods and Simulation | 100 | | |
| Compiler Design | 98 | | |
| Intelligent Systems | 99 | | |
| February - June 2023 | | | |
| Business Solution Development | | | |
| Capstone Project | 98 | | |
| Introduction to Professional Development | 92 | | |
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| 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 | 91.82 | | |
| THIS IS THE OFFICIAL TRANSLATION OF THE TRANSCRIPT ISSUED BY INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY | | | |
| Ing. Miguel Ángel Telles Méndez | | | |

