



INSTITUTO TECNOLÓGICO  
Y DE ESTUDIOS SUPERIORES  
DE MONTERREY

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Campus Estado de México

INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY

*Certificate of studies\**

Folio **S-14916I**

\* 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 Javier Rivera Ramírez

Date August 23rd, 2016

Registration number 1164690

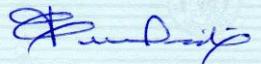
This certificate was issued at Atizapán de Zaragoza, Estado de México

*(This is the translation and therefore is unsigned)*  
Registrar

This document certifies studies in B.S. BIOTECHNOLOGY ENGINEERING

Name of course	Grade	Name of course	Grade
<b>January - May 2009</b>		Electricity and Magnetism	83
Chemistry	90	Biochemistry	76
<b>August - December 2009</b>		Thermodynamics	80
Biology	88	Mathematics for Engineering III	71
Physics I	79	Energy Balance	73
Analysis and Verbal Expression			
Workshop	93	Industrial Microbiology	85
Ethics, Self and Society	75	<b>August - December 2011</b>	
Introduction to Bioengineering	96	Genetic Engineering	89
Mathematics for Engineering I	70	Genetic Engineering Laboratory	80
<b>January - May 2010</b>		Professional Elective II (Bioprocess	
Physics II	90	Engineering I)	83
Chemistry Laboratory	81	Laboratory of Microbiology	90
Foreign Language	85	Humanistic Perspective	84
Verbal Expression in the Workplace	80	Differential Equations	70
Genetics	70	Equilibrium Thermodynamics	76
Mathematics for Engineering II	75	<b>January - May 2012</b>	
<b>August - December 2010</b>		Tissue Culture	81
Structural Organic Chemistry	78	Enzymology and Biocatalysis	84
Molecular Biology	70	Enzymology and Biocatalysis	
Probability and Statistics	79	Laboratory	75
<b>January - May 2011</b>		Professional Elective III	
CONTINUED NEXT COLUMN		OVER	

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Name of course	Grade	Name of course	Grade
(Bioprocess Engineering II)	84	THIS IS THE OFFICIAL TRANSLATION	
Professional Elective IV	84	OF THE TRANSCRIPT ISSUED	
(Bioreactors)	83	BY INSTITUTO TECNOLÓGICO Y DE	
Design and Analysis of Experiments	82	ESTUDIOS SUPERIORES DE MONTERREY	
Material Balances			
<b>June - July 2012</b>			
Scientific and Technological			
Perspective	90	Lic. Lourdes Liliana Turrubiates	
Numerical Methods in Engineering	78	Campos	
<b>August - December 2012</b>		Registrar	
Tissue Culture Laboratory	91		
Professional Elective V			
(Bioseparations)	95		
Professional Elective VI (Analytical			
Biotechnology)	89		
Sociopolitical Perspective	76		
Production Planning and Control	78		
Projects Engineering	81		
Topics I (Tools for a Cleaner			
Production and ISO 14000)	86		
<b>January - May 2013</b>			
Food and Bioproducts Development	92		
Metabolic Engineering	88		
Professional Elective I (Transport			
Phenomena)	81		
Processes Dynamics and Control	88		
Biosensors Laboratory	92		
Topics II (Biotechnological			
Therapies Project)	93		
Topics III (Quality Management			
Systems Audits)	96		
<b>June - July 2013</b>			
Protein Engineering	92		
Elective of Humanistic,			
Sociopolitical or Scientific			
Perspective	91		
<b>August - December 2013</b>			
Toxicology	94		
Biotechnological Processes			
Laboratory	88		
Ethics, Profession and Citizenship	92		
Entrepreneurial Development	89		
Biotechnological Processes			
Engineering Project	88		
Topics IV (Plastics and Composites			
Engineering)	94		
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This certificate covers 60 (SIXTY ) courses that make up the entire curriculum for B.S. Biotechnology Engineering (Version 2007).			
Grade point average for all the courses included in this certificate			
83.9			
CONTINUED NEXT COLUMN			

