Educación
Secretaría de Educación Pública

Bachelor of Electromechanical Engineering
IEME - 2010-210

TECNOLÓGICO NACIONAL DE MÉXICO
Secretaría Académica, de Investigación e Innovación
Dirección de Docencia e Innovación Educativa

1	2	3	4	5	6	7	8	9
Chemistry AEC-1058 (2 2 4)	Electromechanical Drawing AEF-1390 (3 2 5)	Static EME-1012 (3 1 4)	Materials Mechanics EMJ-1021 (4 2 6)	Machine Element Design EMF-1009 (3 2 5)	Computer-Aided Design and Engineering EMC-1010 (2 2 4)	Research Workshop II ACA-0910 (0 4 4)	Project Formulation and Evaluation EMC-1013 (2 2 4)	Professional Residency (10)
Ethics Workshop ACH-2307 (0 4 4)	Metrology and Standardization AEC-1047 (2 2 4)	Dynamic EME-1008 (3 1 4)	Analysis and Synthesis of Mechanisms EME-1005 (3 1 4)	Analysis of AC Electrical Circuits EMF-1003 (3 2 5)	Electrical Installations EMF-1015 (3 2 5)	Electrical Power Systems EMF-102 (3 2 5)	Electrical Substations EMF-1027 (3 2 5)	
Research Fundamentals ACC-0906 (2 2 4)	Research Workshop I ACA-0909 (0 4 4)	Electricity and Magnetism EMC-1011 (2 2 4)	Analysis of DC Electrical Circuits EMF-1004 (3 2 5)	Analog Electronics AEF-1021 (3 2 5)	Electrical Machines EMJ-1017 (4 2 6)	Electrical Controls EMF-1006 (3 2 5)	Classic Control Engineering EMJ-1014 (4 2 6)	
Introduction to Programming EMH-1016 (1 3 4)	Linear Algebra ACF-0903 (3 2 5)	Probability and Statistics AEE-1051 (3 1 4)	Digital Electronics AEC-1022 (2 2 4)	Fluid Mechanics EME-1020 (3 1 4)	Fluid Systems and Machines EMJ-1026 (4 2 6)	Energy Saving EMJ-1002 (4 2 6)	Hydraulic and Pneumatic Power Systems EMJ-1025 (4 2 6)	
Differential Calculus ACF-2301 (3 2 5)	Integral Calculus ACF-0902 (3 2 5)	Vector Calculus ACF-0904 (3 2 5)	Differential Equations ACF-0905 (3 2 5)	Heat Transfer EME-1030 (3 1 4)	Thermal Machines and Equipment I EMC-1018 (2 2 4)	Thermal Machines and Equipment II EMC-1019 (2 2 4)	Refrigeration and Air Conditioning EMF-1023 (3 2 5)	
Sustainable Development ACD-0908 (2 3 5)	Materials Technology EME-1028 (3 1 4)	Manufacturing Processes EMC-1022 (2 2 4)	Thermodynamics EME-1029 (3 1 4)		Numerical Control Manufacturing MCF-2403 (3 2 5)	Administration and Maintenance Techniques EMJ-1001 (4 2 6)	Automation for manufacturing MCF-2401 (3 2 5)	
					Fundamentals of Management MCF-2402 (3 2 5)	Fundamentals of Robotics MCF-2404 (3 2 5)	ELECTIVE MCF-2405 MCF-2406 (3 2 5)	
Complementary Activities: 5						Social Service: 10		
26	27	25	28	23	25 | 10	30 | 5	26 | 10	

Specialty: MANUFACTURING AND CONTROL
IEME-MYC-2024-01

ELECTIVE:
MCF-2405 Industry 4.0
MCF-2406 Power System Modeling

[Validity: August 2024 – August 2027]

Generic Structure	210
Specialty	25
Professional Residency	10
Social Service	10
Complementary Activities	5
Total Credits	**260**