

REM

Residency in Internal Medicine

(Edition 2023)

First Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4276	Research and Innovation Methodology	1.5	0	6	1.5	6	1.8
ME4277	Medical Bioethics	1.5	0	6	1.5	6	1.8
ME4304	Gastroenterology and Cardiology	3	0	12	3	12	3.5
ME4305	Symptomatology in Internal Medicine	0	60	12	3	60	3.5
		6	60	36	9	84	10.6

Second Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4280	Applied Research Project I	1.5	0	6	1.5	6	1.8
ME4306	Nephrology and Infectious Diseases	3	0	12	3	12	3.5
ME4307	Hospital Clinical Practice	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Third Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4283	Applied Statistics	1.5	0	6	1.5	6	1.8
ME4308	Hematology, Oncology and Dermatology	3	0	12	3	12	3.5
ME4309	In-hospital Diagnostic Approach	0	60	12	3	60	3.5
OP5099	Innovation and Health Education Elective	1.5	0	6	1.5	6	0
		6	60	36	9	84	8.8

Fourth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4310	Neurology and Geriatrics	3	0	12	3	12	3.5
ME4311	Emergencies in Internal Medicine	0	60	12	3	60	3.5
		3	60	24	6	72	7

Fifth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4286	Scientific Writing and Analysis Workshop	1.5	0	6	1.5	6	1.8
ME5361	Mental and Metabolic Health	3	0	12	3	12	3.5
ME5362	Clinic of the Critically Ill Patient	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Sixth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4287	Applied Research Project II	1.5	0	6	1.5	6	1.8
ME5363	Neumology and Rheumatology	3	0	12	3	12	3.5
ME5364	Internal Medicine Subspecialties	0	60	12	3	60	3.5
		4.5	60	30	7.5	78	8.8

Seventh Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5333	Elective for Attention and Rotation in Subspecialty I	0	30	6	1.5	30	1.8
ME5365	Integrative Medicine and Integral Health	3	0	12	3	12	3.5
ME5366	Internal Medicine Consultation I	0	30	6	1.5	30	1.8
OP4047	Quality Development Course	3	0	12	3	12	0
		6	60	36	9	84	7.1

Eighth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5336	Elective for Attention and Rotation in Subspecialty II	0	30	6	1.5	30	1.8
ME5367	Palliative Care	3	0	12	3	12	3.5
ME5368	Internal Medicine Consultation II	0	30	6	1.5	30	1.8
		3	60	24	6	72	7.1

Academic credits

- CL** The letter "CL" indicates the number of class-hours per week.
- L** The letter "L" indicates the number of laboratory-hours per week.
- U** The letter "U" represents the equivalent time in courses lasting 15 weeks (semester) and 12 weeks (trimester), of weekly work that the student dedicates to the course to meet its objectives. They include the "class hours", as well as the time dedicated to the student's independent work.
- CA** The letters "CA" represents the number of semester credit hour of the course.
- HT** Total hours
- UDC** Load Units

Program Outcomes

Justification

Throughout the last decades, the life expectancy of Mexicans has increased considerably, increasing chronic-degenerative health problems, including diabetes, hypertension, liver diseases and cancer, among many others that are in the field of the Medical Internist and related subspecialties. On the other hand, globalization, advances in medical knowledge, technologies and an environment in constant reinvention could mean a radical change in the approach to diseases in this generation.

Almost a third of Mexicans will have systemic arterial hypertension, and more than half will not know that they have it. Associated with increased overweight and obesity. This is a major public health problem that requires a paradigm shift and intervention from very early ages.

Program Outcomes

The Internal Medicine Specialty at Tecnológico de Monterrey aims to train excellent medical specialists with ethical and conscientious leadership, guiding the practice of preventive and outpatient medicine, taking into account the social impact it generates on patients; and maintains their position in in-hospital medicine as head of the health team, being empathetic and training doctors who wish to pursue a specialty related to internal medicine.

Target Audience

The Internal Medicine Program of the Tecnológico de Monterrey is aimed at graduates of Medical Specialties with excellent academic performance, with a vocation and express interest in the discipline, with an innovative spirit committed to continuous learning, and with a genuine interest in research and teaching.

To enter the program, applicants must satisfactorily meet the requirements established by the Tecnológico de Monterrey and the Secretary of Health of Nuevo León for postgraduate admission.

Entry requirements:

Candidates must meet the requirements for admission to master's studies at Tecnológico de Monterrey, which are:

- Logical reasoning exam PAEP (Postgraduate Studies Admission Test).
- TOEFL English exam (Test of English as a Foreign Language).
- Psychometric exam, which demonstrates characteristics of the student's profile suitable for the specialty and emotional stability.

Candidates must also have passed the ENARM (national exam for applicants to medical residencies) and undergo an interview with the academic faculty of professors. During the latter, the applicant's curriculum is evaluated, giving higher scores to those who have participated as authors or co-authors of published works, exhibition of works in congresses, leadership activities and social participation. All these are characteristics that candidates to enter the specialty must have.

Admission Profile

The Specialty in Internal Medicine is aimed at graduates of a degree in Medicine with: excellent academic performance, patient-centered service vocation, interest in learning and teaching, capacity for clinical research, social leadership skills

To enter the Specialty in Internal Medicine at the School of Medicine and Health Sciences of the Tecnológico de Monterrey, applicants must satisfactorily meet the requirements established by the Tecnológico de Monterrey and the Secretary of Health of Nuevo León for postgraduate admission.

Learning Outcomes

Upon completion of the specialty of Internal Medicine, the student will be able to:

KNOWLEDGE

- Carry out an updated clinical practice, focused on the patient's circumstances and preferences and responsibly use the available resources.
- Identify relevant evidence, critically evaluate it, and contribute to the dissemination and creation of knowledge.
- Decide, execute, and adequately interpret the auxiliary studies and diagnostic or therapeutic procedures necessary in patient care.
- Completely document the patient's condition, interventions performed, diagnostic plans and prognosis in the clinical file and legal documents.
- Apply science and knowledge efficiently to achieve individualized treatment goals for the patient and their environment.

SKILLS

- Establish effective and empathic communication, actively listening to the patient's experience to make shared decisions.
- Promote healthy communities and populations, not only mitigating diseases, but also preventing and promoting healthy lifestyles, seeking comprehensive well-being and longevity.
- Apply the knowledge of Internal Medicine for the diagnosis, treatment, prevention, and rehabilitation of health problems in adult patients, in the outpatient and hospital environment.
- Synthesize the most relevant information and present it in an organized manner to other medical teams, the patient, and their families.
- Adapt to changes with a resilient and reflective character.
- Practice digital health, through connectivity and information technologies for the benefit of their patients and their community.

ATTITUDES

- Offer high-quality patient- and family-centered care with professionalism and ethics.
- Be responsible for their self-care and well-being in order to achieve their human flourishing, by being an example for the community.
- Determine priorities and manage time in medical practice and personal life to maintain balance.

Research Areas

The program has research areas whose objective is to answer research questions in relation to health problems of the first order in our country, aligned with the study plan and profile of the graduate. We seek to obtain research results with critical scientific reasoning, by clearly establishing their potential application, as well as each of their limitations and areas of opportunity. Currently, the lines of research are:

- Digestive Tube Motility
- Biomarkers
- Non-communicable diseases
- Communicable Diseases

Campus that offer this program

Campus	Number of periods offered	From	Closed for new students
Monterrey	Complete	Resid Espec Mar-Aug 2023	

Last update: 19/May/2022

Graduate Requirements

To obtain a specialty degree, a master's degree or Ph. D. degree at Tecnológico de Monterrey, students are required to:

1. Have completely finished the undergraduate cycle prior to passing the first course in the curriculum of the specialty, master program, medical residency, or doctoral program.
2. Have fulfilled, in compliance with existing standards, the academic prerequisites of the corresponding program, through proficiency tests or the corresponding remedial courses.
3. Have obtained a bachelor degree—with the antecedent of high school or its equivalent—that is equivalent to those offered by Tecnológico de Monterrey.
4. Have covered all the courses in the given curriculum, either by passing the courses at Tecnológico de Monterrey or by obtaining revalidation or equivalence agreements—in compliance with the standards—corresponding to part of the courses taken at other institutions, and passed the remaining courses at Tecnológico de Monterrey. Courses taken at foreign universities with which there are agreements are considered, for the effects of this article, as courses taken at Tecnológico de Monterrey, as long as they do not exceed a set percentage of the curriculum established by each graduate program.
5. In those curricula that so specify, to have prepared a research project or thesis that, having been defended before an academic committee, has been approved by said committee.
6. Have taken at least the equivalent of the second half of the corresponding curriculum at Tecnológico de Monterrey, in the case of students with revalidation or equivalence agreements at this level. Flexibility may be exercised in this standard in graduate programs that, under agreement, may be established jointly with other universities.