

REG

Residency in Obstetrics and Gynecology

(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
ME4296	Gynecologic and Obstetrics Basis	3	0	12	3	12	3.5
ME4297	Basic Clinic in Obstetrics and Gynecology I	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
ME4298	Anatomophysiological Aspects in Gynecology and Obstetrics	3	0	12	3	12	3.5
ME4299	Basic Clinic in Obstetrics and Gynecology II	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
ME4300	Comprehensive Management in Outpatient Gynecology and Obstetrics	3	0	12	3	12	3.5
ME4301	Clinic in Gynecology and Obstetrical High Risk I	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
ME4302	Fundamentals in Maternal Fetal Medicine and Human Reproduction	3	0	12	3	12	3.5
ME4303	Clinic in Gynecology and Obstetrical High Risk II	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
ME5353	Gynecology at the Extremes of Life and Urogynecology	3	0	12	3	12	3.5
ME5354	Intermediate Procedures and Outpatient Management of Gynecologic Specialties I	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
ME5333	Elective for Attention and Rotation in Subspecialty I	0	30	6	1.5	30	1.8
ME5355	Minimally Invasive Gynecologic Surgery	3	0	12	3	12	3.5
ME5356	Intermediate Procedures and Outpatient Management of Gynecologic Specialties II	0	30	6	1.5	30	1.8
		4.5	60	30	7.5	78	8.9

Seventh Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5357	Oncology in Obstetrics and Gynecology I	3	0	12	3	12	3.5
ME5358	Advanced Procedures and Outpatient Management of Gynecologic Specialties I	0	60	12	3	60	3.5
OP4047	Quality Development Course	3	0	12	3	12	0
		6	60	36	9	84	7

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
ME5359	Oncology in Obstetrics and Gynecology II	3	0	12	3	12	3.5
ME5360	Advanced Procedures and Outpatient Management of Gynecologic Specialties 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

Today's society demands specialists with clinical skills at the highest level of quality, obstetrician-gynecologists with a deep sense of sensitivity and humanism, who position themselves as having the maximum experience in approaching and managing the patient who comes to seek care.

The changes that the world is currently experiencing demand new and multiple skills from professionals, as well as stricter quality requirements in their performance. In the area of Gynecology and Obstetrics in Mexico, there are multiple challenges related to women's health care.

In a country like Mexico with great contrasts, where the main cause of death in women are cardiovascular disorders and the second cause corresponds to complications of diabetes, it is necessary to strengthen first contact medicine, where gynecology plays a preponderant role for the identification of risk factors and the prevention of complications. Preeclampsia is one of the main causes of morbidity during pregnancy, and together with gestational diabetes are part of the main risk factors for the appearance of cardiovascular diseases in women in the following stages of their lives. Likewise, a timely follow-up of menopausal women ensures a good quality of life with timely detection of risk factors and care to improve quality of life.

Our educational model is innovative and responds to the current needs of women's health care in our country and in the world. The specialists in Gynecology and Obstetrics meet the academic objectives of our graduate profile in a multicentric program with four host hospitals, two from the public sector and two from the private sector. In this program students will find the opportunity to transcend and reach their fullness through the care and attention of the integral health of women, through the application of leadership, entrepreneurship and innovation skills that will allow them to achieve human flourishing, with a in an innovative future focused on the well-being of the community.

Program Outcomes

The Specialty in Gynecology and Obstetrics program aims to train excellent professionals, who meet the health needs of the female population with quality and safety, in hospital and outpatient settings. Likewise, to train people with integrity, who exercise their clinical, teaching and research practice with a human sense and strict adherence to ethical principles and professionalism, through the application of their leadership, entrepreneurship and innovation skills that will allow them to achieve human flourishing, with a focus on an innovative future and centered on the well-being of the community.

The graduates of this specialty program stand out locally and internationally, they use technology to favorably impact the health of their patients through timely and accurate diagnoses, they participate in the innovation of surgical techniques and research in medical treatments, all this to favorably impact the decrease in morbidity and mortality of the Mexican population.

Target audience:

We search for general practitioners who wish to be trained in Gynecology and Obstetrics and who are willing to complete four years of full-time postgraduate studies, showing interest in research and generation of knowledge with publications in high-impact journals. Doctors with a humanitarian sense and concern to work and train to solve health problems of the different population groups of the country. They are required to seek internationalization by increasing the exchange of knowledge with partner universities from different parts of the world.

Entry requirements

The 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 in gynecology must have.

Admission Profile

The potential applicants to our Gynecology and Obstetrics Specialty Residency of the Tecnológico de Monterrey Multicentric Program - SSNL are graduates of the Medical Surgeon career from different national and international universities, with a high human and professional sense who wish to meet the commitment to be agents of change in society.

They must demonstrate interest in research and knowledge development, and preferably have international experience during

their academic training.

They must be people who guide their actions according to our institutional values: innovation, integrity, collaboration, empathy, inclusion, and global citizenship. We seek to have the talent that Mexico requires to continue facing the challenges of the future through our leadership, innovation, and entrepreneurship skills. To enter this program, applicants must satisfactorily meet the requirements established by the Tecnológico de Monterrey and the Ministry of Health for postgraduate admission.

Learning Outcomes

Our graduates in Gynecology and Obstetrics from Tecnológico de Monterrey will be able to participate in the transformation and development of community health, through the development of skills to:

- Apply their knowledge, skills, and clinical judgment to participate in the prevention, diagnosis, and treatment of conditions that affect the gynecological and reproductive health of women at different stages of life. Promoting human dignity, respect and promoting the gender perspective.
- Carry out their clinical practice with integrity, ethics, and a humanistic vision, based on the most current medical knowledge and surgical trends, favoring the health and human flourishing of women in their diverse socio-cultural environments.
- Collaborate with leadership in multidisciplinary teams, positioning themselves as an agent of change for comprehensive women's health.
- Develop the capacity for entrepreneurship and innovation allowing them to be identifiers of new scientific trends, as well as creators of useful knowledge for the direct benefit of society.
- Collaborate with leadership in multidisciplinary teams, positioning themselves as an agent of change for comprehensive women's health.
- Promote human dignity, respect and promotion of the gender perspective.

Research Areas

Considering the demands of the environment, the objectives of the academic program and the academic trajectory of the professors that make up the Basic Academic Nucleus (BAN), three lines of generation and application of knowledge were defined that attend to the priority needs in the health of the population and that affect Mexican women during the reproductive period and the different stages of their lives.

The lines of generation and application of knowledge are:

- Normal and abnormal obstetrics and its complications.
- Diseases of the gynecological organs and the breast.
- Gynecological and obstetric surgery.

Campus that offer this program

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

Last update: 16/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.