

RPS

Residency in Psychiatry

(Edition 2013)

First Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4140	Clinical Ethics	1.5	0	6	1.5	6	1.8
ME4145	Medical Care in Psychiatry I	0	60	12	3	60	3.5
ME4146	Psychiatry I	3	0	12	3	12	3.5
		4.5	60	30	7.5	78	8.8

Second Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4141	Health Sciences Education	1.5	0	6	1.5	6	1.8
ME4147	Medical Care in Psychiatry II	0	60	12	3	60	3.5
ME4148	Psychiatry II	3	0	12	3	12	3.5
		4.5	60	30	7.5	78	8.8

Third Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4142	Quality Health Care	1.5	0	6	1.5	6	1.8
ME4149	Medical Care in Psychiatry III	0	60	12	3	60	3.5
ME4150	Psychiatry III	3	0	12	3	12	3.5
		4.5	60	30	7.5	78	8.8

Fourth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4143	Research and Innovation Methods	1.5	0	6	1.5	6	1.8
ME4151	Medical Care in Psychiatry IV	0	60	12	3	60	3.5
ME4152	Psychiatry IV	3	0	12	3	12	3.5
		4.5	60	30	7.5	78	8.8

Fifth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME4144	Thesis Project I	3	0	12	3	12	0
ME5193	Medical Care in Psychiatry V	0	60	12	3	60	
ME5194	Psychiatry V	3	0	12	3	12	3.5
		6	60	36	9	84	3.5

Sixth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5190	Thesis Project II	3	0	12	3	12	
ME5195	Medical Care in Psychiatry VI	0	60	12	3	60	
ME5196	Psychiatry VI	3	0	12	3	12	3.5
		6	60	36	9	84	3.5

Seventh Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5191	Elective Specialty I	0	30	6	1.5	30	
ME5197	Medical Care in Psychiatry VII	0	30	6	1.5	30	
ME5198	Psychiatry VII	3	0	12	3	12	3.5
		3	60	24	6	72	3.5

Eighth Semester

Code	Name	CL	L	U	CA	HT	UDC
ME5192	Elective Specialty II	0	30	6	1.5	30	
ME5199	Medical Care in Psychiatry VIII	0	30	6	1.5	30	
ME5200	Psychiatry VIII	3	0	12	3	12	3.5
ME5266	Thesis Defense	0	0	1	.3	0	
		3	60	25	6.3	72	3.5

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 and Learning Outcomes

General Program Objectives

The aim of the Residency in Psychiatry of Tecnológico de Monterrey is to train exceptional psychiatrists who successfully meet the healthcare needs of mental health patients in the public and private sectors. It also seeks to prepare individuals with integrity and a humanistic outlook in their clinical, teaching and research activities, while strictly adhering to ethical principles and the standards of professional practice. Psychiatrists who graduate from this institution are outstanding leaders in both local and international settings. They are creative and innovative, promoting the development of mental health in the community and conducting relevant clinical research.

Learning Outcomes

On completing the program, students will be able to:

- Proficiency in psychopathology, psychiatric nosology and psychiatric treatment methods; the ability to define, apply, perform and interpret diverse psychiatric diagnostic tests and therapeutic methodologies;
- Proficiency in each of the basic learning units related to the specialty, including psychopathology, neuroanatomy and neurophysiology, psychopharmacology, psychotherapies, diagnostic and treatment methodologies, and basic knowledge related to psychiatric subspecialties (children and adolescents, the elderly, addictions, eating disorders, and the oncological patient);
- The capacity to manage administrative issues, quality control and development of a mental health system (from the consulting room to the clinic), planning, organizing, coordinating and supervising the activities of the professional technical and auxiliary staff of a mental health system;
- The capacity to collaborate with practitioners from other specialties to establish the diagnosis, prognosis and treatment of patients, as well as the required preventive measures; the ability to carry out teaching and research activities applied to psychiatry;
- Decision-making skills based on ethical principles, responsibility, professionalism and citizenship.

Target Audience

This program is aimed at doctors who have a vocation for studying Psychiatry; display the highest moral values; are committed to the ethical practice of their profession; are willing to work in multidisciplinary teams; and display an interest in the field of research.

In order to be admitted to the Residency in Psychiatry of Tecnológico de Monterrey, applicants must satisfactorily meet the graduate admission requirements stipulated by ITESM and the Mexican Ministry of Health.

Program Outcomes

Justification

The changing environment of today's world requires that healthcare professionals have new and multiple skills. It also demands stricter quality in their performance. In the area of clinical psychiatry, there has been an enormous growth in diagnostic and therapeutic tools, with diagnostic criteria and therapeutic methods being continuously modified and renewed. Hence, it is important for professionals in the field to keep their medical education up-to-date and to teach the most relevant topics with the greatest impact on community health in the formation of human resources for the health sector. The multiple advances in the areas of molecular genetics, pharmacology, psychotherapeutic techniques and new technologies for diagnosis and treatment, as well as their clinical applications, must be rapidly used in patient treatment. To assure the profile of the graduate in this environment, topics have been incorporated that focus on the scientific method, promote medicine based on evidence, and develop in the student a culture of research and investigation. The topics of basic and advanced research structure the additional skills and knowledge, as do those of medical ethics. These are really tools that, together with the many others, strengthen the desired attitudes and values in the resident. Thus, the curriculum is based on four years covering these areas, as well as the theoretical, technological and practical knowledge of clinical studies, to ensure the comprehensive training of the Psychiatrist. With the innovation in educational techniques and procedures, an alternative solution that comes from the new educational model is learning centered on the student and on clinical patient cases, so that acquired knowledge may be applied directly to patients, being therefore a direct transfer to the reality of the environment, as well as an exercise in self-learning. This results in a continuous medical education that is closely linked to the development of the scientific and technological knowledge of the discipline. Finally, this methodology confirms the congruence between the basics, our educational model, the areas of training and the discipline itself. The particular characteristics of the residency require a diagnostic laboratory analysis and the development of new studies, technical progress and new knowledge resulting from research, so Psychiatrists in this educational environment are required to acquire theoretical knowledge in their area of specialty, in educational techniques and in research. This will help them to resolve in a comprehensive and satisfactory manner the diagnostic problems in the health of their patients, so that they may carry out professional work with a level of excellence in the areas of expertise mentioned previously (external consultation, hospitalization, community support, preventive education for the general population or for specific groups, distance medical attention via Internet, etc.).

Program objectives

The aim of the Residency in Psychiatry of Tecnológico de Monterrey is to train exceptional psychiatrists who successfully meet the healthcare needs of mental health patients in the public and private sectors. It also seeks to prepare individuals with integrity and a humanistic outlook in their clinical, teaching and research activities, while strictly adhering to ethical principles and the standards of professional practice. Psychiatrists who graduate from this institution are outstanding leaders in both local and international settings. They are creative and innovative, promoting the development of mental health in the community and conducting relevant clinical research.

Learning outcomes

Graduates from this multi-centric program in psychiatry of Tecnológico de Monterrey School of Medicine will have acquired the following the competencies:

- Proficiency in psychopathology, psychiatric nosology and psychiatric treatment methods; the ability to define, apply, perform and interpret diverse psychiatric diagnostic tests and therapeutic methodologies;
- Proficiency in each of the basic learning units related to the specialty, including psychopathology, neuroanatomy and neurophysiology, psychopharmacology, psychotherapies, diagnostic and treatment methodologies, and basic knowledge related to psychiatric subspecialties (children and adolescents, the elderly, addictions, eating disorders, and the oncological patient);
- The capacity to manage administrative issues, quality control and development of a mental health system (from the consulting room to the clinic), planning, organizing, coordinating and supervising the activities of the professional technical and auxiliary staff of a mental health system;
- The capacity to collaborate with practitioners from other specialties to establish the diagnosis, prognosis and treatment of patients, as well as the required preventive measures; the ability to carry out teaching and research activities applied to psychiatry;
- Decision-making skills based on ethical principles, responsibility, professionalism and citizenship.

Target audience

This program is directed to doctors with a vocation to study Psychiatry, with high moral values, committed to the ethical exercising of their profession, with a disposition to work in multidisciplinary teams and an interest in the field of research. For admission to the Residency in Psychiatry of the School of Medicine and Health Sciences of Tecnológico de Monterrey, candidates must satisfactorily meet all the graduate admissions requirements of Tecnológico de Monterrey and of the Ministry of Health.

Research areas

Mental and Behavioral Disorders of Childhood and Adolescence.

The population pyramid of Mexico has a broad base, that is, the population of children and adolescents is greater compared to other age groups. This generates the need to attend to this type of population, currently detecting different types of disorders that generate levels of disability. This need requires an effective response from the academic community, a situation in which the residents and professors of the specialty find themselves immersed.

Severe Mental Disorders. The degree of functional disability generated by mental disorders is proportional to its severity. Normally, these are diagnosed from the first level of care to the third level of medical care where they usually receive outpatient or hospital treatment. Due to this, clinical research works have been carried out considering different variables in severe mental

disorders. These have generated data that have facilitated our knowledge in the field of various mental disorders that affect the physical, psychological, and social aspects of those who suffer from severe mental disorders.

Campus that offer this program

Campus	Number of periods offered	From	Closed for new students
Monterrey	Complete	Resid Espec Mar-Aug 2013	

Last update: 04/December/2012

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.