

# MTE-V

## Master in Educational Technology

(Edition 2013)

**First Semester**

<b>Code</b>	<b>Name</b>	<b>CL</b>	<b>L</b>	<b>U</b>	<b>CA</b>	<b>UDC</b>
ED4022	Technology and Innovation in Education	3	0	12	3	3.5
ED4033	Learning Theories in the Educational Context	3	0	12	3	3.5
		6	0	24	6	7

**Second Semester**

<b>Code</b>	<b>Name</b>	<b>CL</b>	<b>L</b>	<b>U</b>	<b>CA</b>	<b>UDC</b>
OP4006	Elective Course I	3	0	12	3	0
OP5042	Elective I	3	0	12	3	0
		6	0	24	6	0

**Third Semester**

<b>Code</b>	<b>Name</b>	<b>CL</b>	<b>L</b>	<b>U</b>	<b>CA</b>	<b>UDC</b>
ED4034	Applied Research Project I: Identifying Study-Problems	3	0	12	3	0
OP5043	Elective II	3	0	12	3	0
		6	0	24	6	0

**Fourth Semester**

<b>Code</b>	<b>Name</b>	<b>CL</b>	<b>L</b>	<b>U</b>	<b>CA</b>	<b>UDC</b>
ED4035	Applied-Research Project II: Methodological Approaches	3	0	12	3	0
OP5044	Elective III	3	0	12	3	0
		6	0	24	6	0

**Fifth Semester**

<b>Code</b>	<b>Name</b>	<b>CL</b>	<b>L</b>	<b>U</b>	<b>CA</b>	<b>UDC</b>
ED4032	Comparative Education	3	0	12	3	3.5
ED5084	Applied-Research Project III: Analysis of Results	3	0	12	3	0
		6	0	24	6	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.
- UDC** Load Units

## **Program and Learning Outcomes**

### **Program objectives**

This program aims to prepare professionals who:

- Are leaders in the field of education, who propose and execute innovative educational and technological projects and programs that contribute to the improvement of the service offered by their institutions and organizations.
- Carry out their teaching practice through teaching-learning strategies to achieve the curricular objectives in an effective and efficient way, particularly with the incorporation and implementation of technology in the educational field.
- Use their applied research skills to solve current educational problems.
- Behave themselves with ethical criteria that they demonstrate through their educational practice, respecting the dignity of their students, parents, collaborators and other colleagues, whether they are members of the educational community or the community in general.

### **Learning Outcomes**

At the end of the program, the student will be able to:

- Design learning environments by selecting the appropriate technologies.
- Apply educational technology in their courses as a teacher of a basic, upper or higher level, or as a training instructor and manager of human talent.
- Implement and evaluate projects of technology applied to education.
- Design curricular plans based on current teaching paradigms.
- Carry out applied research in the area of technology-mediated education.

## **Program Outcomes**

### **Justification**

The Master in Educational Technology responds to the current needs of the knowledge society to prepare professionals in education and in the area of human talent development in the most current and advanced use of technologies in teaching-learning processes and training, both at the various school levels and in public and private organizations, which will allow a more comprehensive development of their students and collaborators. Through an innovative educational model based on the most advanced learning platforms and applications that allow reaching larger audiences with limited mobility of space and restrictions of time, highly trained professionals are prepared to have a positive and direct effect on the communities where they will provide their services.

The Master of Educational Technology (MTE) contributes to the professionalization of the educational practice of teachers and professionals of organizational training based on innovative pedagogical and technological models that allow improving their educational environments.

### **Target audience**

The profile to enter the Master's in Educational Technology requires candidates with a completed professional degree, related to the areas of education, administration or related fields and, preferably, that they have reading comprehension skills in English. Likewise, it is desirable that they are working in a position that allows them to approach organizational or school settings at various educational levels.

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### **Lines of investigation**

- Development and research of the impact of innovative educational proposals based on technology.
- Sociocultural contexts of the use of digital technology.

### **Admission Profile**

Tecnológico de Monterrey seeks to integrate into all its graduate programs a new generation of students who have completed their undergraduate studies and who are distinguished by being: talented, enthusiastic people, committed to the development of their environment and to the well-being of society; people who have the potential to successfully complete their graduate program and become leaders with an entrepreneurial spirit, human sense, and internationally competitive.

Therefore, for admission, the applicant participates in a comprehensive selection process that considers:

- The result of the Admission Test to Postgraduate Studies (PAEP).
- The overall grade point average for professional-level studies.

Each School may have additional requirements.

Campus that offer this program

<b>Campus</b>	<b>Number of periods offered</b>	<b>From</b>	<b>Closed for new students</b>
<b>Programas en Línea</b>	Complete	Semester Aug - Dec 2013	

**Last update:** 04/April/2017

## 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.
7. For doctoral programs, have published (or have proof of acceptance for publication), in an indexed journal, at least one paper on a topic related to the student's research project.

Last update: 21/July/2017