



School of Medical Technology

Metro Campus

PROFESSIONAL POST BACHELOR CERTIFICATE IN MEDICAL TECHNOLOGY

Description of the School of Medical Technology

The Medical Technology Program responds to the mission of preparing professionals to fill the needs of present-day Puerto Rico.

It aspires to provide an excellent academic education to prepare medical or scientific clinical laboratory technologists with the knowledge, skills, and attitudes necessary in a clinical laboratory science professional beginning in the profession. It also attempts to develop individuals capable of communicating and interacting with patients, their teammates and other health professionals. The application of ethical and moral principles is fomented in the compliance of the laws that govern the laboratory and the Medical Technology profession. Students will become enabled to perform in different scenarios and to practice as enterprising professionals, clinical instructors, consultants, supervisors, administrators, educators, and researchers, among others by means of an innovating curriculum that promotes clinical research.

The National Accrediting Agency of Clinical Laboratory Sciences (NAACLS) accredits this Program, **5600 N River Rd Suite 720 Rosemont, IL 60018; Tel: (773) 714-8880, Fax: (773) 714-8886; www.naacls.org**. The Program has an intensive one-year curriculum divided in two terms: academic or theoretical and practical. Two groups of students are admitted annually, one in August and the other in February. Upon completion of the Program, students are eligible to take the professional certification examination offered by the Puerto Rico Board of Examiners for Medical Technologists and the American Society for Clinical Pathologists (ASCP). The Programs have affiliations established with different clinical laboratories where students may complete their clinical practice. These facilities are certified by agencies recognized by NAACLS, such as the Department of Health, the Clinical Laboratory Improvement Amendments (CLIA), and the Joint Commission of Hospital Accreditation (JCHA).

Students are selected at the School in a competitive manner, according to the program's capacity.

Professional Post Bachelor Certificate in Medical Technology

The Post-baccalaureate Professional Certificate in Medical Technology (code 135) is an option for those students who have already completed a baccalaureate in an accredited institution of higher education and are interested in studying Medical Technology.

In approximately twelve consecutive months he will complete the theoretical and practical courses of Medical Technology. Upon completion of the program, the graduate is eligible to take the Certification Board Exams offered by the Board of Medical Technologist Examiners of PR., The American Society of Clinical Pathologists (ASCP).

Requirements to apply for admission to complete the Professional Post Bachelor Certificate in Medical Technology

1. At the time of Admission, have approved the following:
 - Baccalaureate at an accredited university
 - Specific Courses: having passed the following courses, some of them require the approval of other courses:
 - General Biology I, II
 - Microbiology
 - Immunology
 - Human Anatomy and Physiology
 - General Physics I and II
 - Pre-calculus
 - General Chemistry I and II
 - Analytical Chemistry
 - Organic Chemistry I and II
 - Biochemistry or Cellular and Molecular Biology
2. Completion of an application form and submission of an official academic transcript from all universities attended.
3. Three (3) letters of recommendation from faculty members. The scores obtained will be considered in the admission formula for the selection of the candidate.
4. A minimum general academic grade point index of 2.5 and in biology, chemistry, mathematics and physics courses. The grade point index obtained will be considered in the admission formula for candidate selection.
5. The ability to achieve essential non-academic requirements related to the demands of the profession as published in the information brochure of the Medical Technology Program. Students should have these requirements to be able to complete the Program satisfactorily and to work in the functions of the Medical Technology profession.
6. Take an academic test offered by the school, for the purpose of checking the knowledge and skills related to the academic requirements in part number 1 of the admission requirements. The scores obtained will be considered in the admission formula for the selection of the candidate.
7. After being admitted to the Program, deliver the following documents:
 - a. Certificate of Health
 - b. Evidence of vaccination or immunization against Hepatitis B and varicella.
 - c. Evidence of a current medical plan
 - d. Negative Certification of Criminal Background validated
 - e. For the clinical practice the doping test is required.
 - f. Student Card
 - g. Other documents requested by some practice centers

Academic Requirements to complete the Professional Post Bachelor Certificate in Medical Technology

A bachelor's degree from an Accredited University

Specific Courses *

Certificate Requirements

Certificate Requirements - 46 credits		
MEDT 4501	Laboratory Operation I: Basic Principles, Statistics and Molecular Techniques in the Clinical Laboratory	3
MEDT 4510	Clinical Chemistry, Pathology and Molecular Diagnosis	4
MEDT 4520	Body Fluids	1
MEDT 4531	Clinical Immunology	2
MEDT 4532	Blood Banking	3
MEDT 4540	Hematology and Coagulation and Molecular Diagnosis in Hematopathology	4
MEDT 4560	Mycology and Virology	1
MEDT 4570	Clinical Bacteriology and Molecular Diagnosis in Infectious Diseases	4
MEDT 4585	Clinical Parasitology	2
MEDT 4593	Laboratory Operation II: Laboratory Administration, Ethics and Education	2
MEDT 4595	Advanced Seminar and Clinical Research	1
MEDT 4915	Clinical Practice in Blood Banking	3
MEDT 4916	Clinical Practice in Serology, Immunology	2
MEDT 4921	Practice in Clinical Chemistry	4
MEDT 4922	Clinical Practice in Hematology and Coagulation	4
MEDT 4923	Clinical Practice in Microbiology	4
MEDT 4924	Clinical Practice in Urinalysis and Parasitology	2
* General Biology I, II, Microbiology, Immunology, Human Anatomy and Physiology, General Physics I and II, Pre-calculus, General Chemistry I and II, Analytical Chemistry, Organic Chemistry I and II, Biochemistry or Cellular and Molecular Biology		

Advantages of the Professional Post Bachelor Certificate

1. If you already have a baccalaureate that includes the academic prerequisites to be admitted to the School, it allows you in a short time of 12 months to have a profession that is considered one of the highest demands at this time.
2. Because it is a post-graduate certificate, you can apply for the graduate student loan, the maximum loan is higher than in the baccalaureate.
3. With the knowledge and skills acquired in Medical Technology, in addition to working in a clinical laboratory, you could seek employment: in the pharmaceutical industry, in research laboratories, in forensic laboratories, science educator, clinical laboratory administrator, laboratory inspector, propagandist of medical products

Financial Aid (if you qualify)

1. Student Loan
2. Other grants, subject to their availability.

Cost of tuition for the year in the School

The tuition of the courses for the twelve consecutive months in the School is \$ 8,420. The costs of textbook, medical plan, laboratory coats and general fees of the University are not included in the tuition cost.

Retention Requirements

All students must comply with the satisfactory academic progress standards established in the General Catalog of the Inter-American University. In addition, you must meet the following requirements established by the School and published in the Student Handbook of the Medical Technology Program.

A. Academic Progress

Each course in both the theory and practice curricula should be completed with a minimum average of 75 percent. Students will be kept informed of their academic progress during the courses. If students do not obtain the minimum of 75% in a course, they may be placed on probation. Students that fail in a minimum of six credits will be dismissed from the Program for academic deficiency. Students dismissed for academic deficiency will not be readmitted to the Program.

B. Attendance

Attendance to the lectures, laboratories, and clinical practice is compulsory. Unjustified absences, as established for each course, are sufficient reason for the dismissal of a student.

C. Conduct

Students must comply at all times with the established norms, policies and procedures of the Program, as established in the Student Handbook of the Medical Technology Program. No student dismissed from the Program for violation of the Program norms may be readmitted to this Program.

Graduation Requirements

1. Approve each theory and practice course with a minimum execution criterion of 75%.
2. Minimum overall graduation average of 2.50.

Upon successful completion of the Program, the graduate is eligible to take the Certification Board Exams offered by the Board of Examiners of Medical Technologists of Puerto Rico and the American Society of Clinical Pathologists (ASCP).

After passing the Certification Board Exam, the student is considered a certified Medical Technologist. The granting of the academic degree by the Institution does not depend on the graduate passing the Certification Board Exam.

For more information you can write to: tecnologiamedica@metro.inter.edu or call 787-250-1912 ext. 2401.