

Master of Science in Nursing with Specialty in Anesthesia

Total Credits	66
Contact Hours	2,160
Total Weeks	135

Program Description

This program provides students with the skills necessary for anesthesia and surgical services required in the field. It develops in the students the knowledge, skills and attitudes needed to exercise as a clinical specialist offering nursing services. It also promotes the use of technology in the development of research that impacts the health of the individual, the family and community groups.

Program Objectives

- Protect patients from the iatrogenic complications.
- Participate in the positioning of patients to avoid injury.
- A review of full and proper equipment.
- Use standard precautions and infection control measures.
- Provide continuous attention throughout the Anesthesia.
- Use a variety of current anesthetic techniques, agents, medications, and equipment, while anesthesia.
- General anesthesia to patients of all ages and physical conditions for a variety of medical and surgical procedures.
- Provide anesthesia services to all patients, including the trauma and emergency cases.
- Administer and manage a variety of regional anesthetics.
- Serve as a resource for the management of the airway and ventilator status of the patients.
- Provide culturally competent care anesthetic during all your anesthesia services.
- Perform a pre-anesthetic assessment and formulate a plan of anesthesia care for patients who are assigned to administer anesthesia.
- Identify and take appropriate action when confronted with problems with their computers of anesthesia.
- Interpret and use the data obtained from the modalities of non-invasive and invasive monitoring.
- Calculate, initiate and manage fluids and blood component therapy.
- Recognize and respond appropriately to anesthetic complications that occur during the anesthetic.
- Communicate effectively with all the people that have an impact on patient care.
- Use appropriate communication - verbal, nonverbal, and written in the provision of anesthetic.
- Participate in activities to improve the care of anesthesia and their professional development.
- Operate within the relevant legal requirements to a nurse anesthetist, accepting responsibility for their services and decisions.
- Interact on a professional level with integrity.
- Participate in continuing education activities to acquire new knowledge and improve their practice.
- Understand the correct principles of management of risks of anesthesia including prevention strategies and strategic procedures.
- Submit evaluations and reviews current and organized research, articles and cases.

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Fundamentals (18 Credits)

Code	Course	Credits
ENFE504	Advanced Physical Assessment	3
ENFE505	Advanced Physiology and Pathology	3
ENFE506	Research Methodology for Nursing	3
ENFE510	Advanced Pharmacology	3
ENFE603	Research Project in Nursing	3
ESTA503	Statistics	3

Major Field of Study (48 Credits)

Code	Course	Credits
NUAN500	Introduction to Nurse Anesthesia	3
NUAN501	Applied Sciences and the Nurse Anesthesia	3
NUAN502	Anesthesia Pharmacology I	3
NUAN503	Anesthesia Pharmacology II	3
NUAN505	Basic Principles of Anesthesia	3
NUAN506	Pathophysiology for Nurse Anesthetists I	3
NUAN507	Pathophysiology for Nurse Anesthetists II	3
NUAN508	Advanced Principles of Anesthesia I	3
NUAN509	Advanced Principles of Anesthesia II	3
NUAN510	Advanced Principles of Anesthesia III	3
NUAN512	Pharmacotherapeutics	3
NUAN600	Clinical Anesthesia Practicum I	3
NUAN601	Clinical Anesthesia Practicum II	3
NUAN602	Clinical Anesthesia Practicum III	3
NUAN603	Clinical Anesthesia Practicum IV	3
NUAN604	Clinical Anesthesia Practicum V	3

* Students graduating from this program must pass the exam to obtain the license from the Puerto Rico Examining Board of Nursing Professionals as nurse specialist in Anesthesia to exercise their profession in Puerto Rico. This program does not hold the professional accreditation required to take the national exam offered by the National Board of Certification & Recertification for Nurse Anesthetists to practice the profession outside of Puerto Rico.