



COLLEGE OF PROFESSIONAL STUDIES

DOCTOR OF NURSE ANESTHESIA PRACTICE (DNAP)

Gain Clinical Training in Anesthesia Care Delivery

Develop advanced expertise in anesthesia care delivery while preparing to become a certified registered nurse anesthetist in the Doctor of Nurse Anesthesia Practice (DNAP) program at National University.

In this entry-into-practice clinical practice doctoral program, you will master the art and science of anesthesia care delivery. Coursework focuses on health organizations and systems analysis, quality assessment and improvement, leadership, policy analysis, and the implementation of evidence-based practice initiatives.

The three-year program includes a front-loaded didactic model with on-site didactic and simulation courses, including ultrasound guided regional anesthesia and point of care ultrasound (POCUS). The second phase of the program includes clinical courses at an affiliate hospital, where you will gain hands-on experience administering anesthesia to patients across the age spectrum and in all surgical specialties under the direct supervision of a CRNA or physician anesthesiologist mentor.

Upon graduation, you will be prepared to sit for the National Certification Exam (NCE) to become a

Certified Registered Nurse Anesthetist (CRNA). You will develop the advanced clinical anesthesia skills and expertise needed to assume the role of the CRNA in any practice setting.

Program Highlights:

- Learn to formulate and implement an anesthesia plan of care
- Plan for and administer general and regional anesthesia techniques to a variety of patients ranging in medical and surgical acuity
- Learn to perform relevant point of care ultrasound exams (POCUS)
- Promote patient safety, enhance quality care, and improve nurse anesthesia practice
- Gain the leadership skills needed to meet the challenges of complex health care and education environments
- Program includes online and on-site classes, as well as hands-on clinical practicum courses at an affiliate hospital

**LEARN
MORE
TODAY**

Academic Program Director:
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DOCTOR OF NURSE ANESTHESIA PRACTICE (DNAP)

Academic Program Director: Dr. Joseph Martin; jmartin2@nu.edu

The Doctor of Nurse Anesthesia Practice (DNAP) degree is an entry-into-practice clinical practice doctoral degree awarded to students who enter the nurse anesthesia program with a bachelor's degree and subsequently complete the three-year doctoral curriculum of study. The DNAP curriculum prepares graduates in the art and science of anesthesia care delivery and to sit for the National Certification Exam (NCE) to become a certified registered nurse anesthetist (CRNA). In addition, graduates will be educated to assume leadership positions in nurse anesthesia administration and education, with focused coursework in health organizations and systems analysis, quality assessment and improvement, leadership, policy analysis, and the implementation of evidence-based practice initiatives.

The hybrid curriculum is a combination of online synchronous and asynchronous delivered courses, onsite courses, and seven clinical courses, structured in a 36-month course of study. The program will involve the completion of 138 quarter units. During the first week of the program, students engage in an intensive orientation where they are introduced to the overall curriculum, program, and university policies.

Clinical Training

Seven clinical practicum courses stress the application of relevant science and research to anesthesia practice while engaging in the art and science of anesthesia care delivery. Throughout the clinical practicum coursework, students will have the opportunity to plan for and administer all types of currently accepted general and regional anesthesia techniques to a variety of patients ranging in medical and surgical acuity. Graduate students will be assigned to various anesthetizing locations within selected affiliate hospitals.

At all times while in the clinical environment, students will be directly supervised, instructed, and counseled by a CRNA and/or physician anesthesiologist clinical preceptor. The course faculty member will supervise student progression, required case attainment, clinical work hours, and mid-quarter and end-of-quarter evaluations.

Admission and Degree Requirements

- A. Successful admission to National University
- B. Bachelor of Science in Nursing (BSN) from a NLNAC- or CCNE-accredited college or university or Bachelor of Science in a related physical science with licensure as a registered nurse
- C. Current unrestricted/unencumbered (clear/active) license as a registered nurse in one of the states of the U.S., with eligibility for licensure throughout all states in the U.S.
- D. A cumulative grade point average (GPA) of 3.0 on all undergraduate courses or 3.25 on the last 60 hours of undergraduate courses on a 4.0 scale
- E. Science GPA of 3.0 or greater
- F. Successful completion of the following prerequisite courses: Pharmacology, Anatomy with Lab, Physiology, General Chemistry (with lab), and Undergraduate Statistics
- G. A minimum of one full year of critical care experience in an intensive care unit within the past three years as a registered nurse. Emergency department and Flight Nursing experience will be considered on an individual basis. Operating room, OB, and PACU experience is not accepted as critical care experience.
- H. Three favorable evaluations/recommendations from a current clinical supervisor, fellow critical care nursing peer or anesthesia provider, and an academic faculty or clinical educator familiar with your academic performance
- I. Professional certification in any of the following preferred: CCRN, CEN, or CFRN
- J. Current ACLS and PALS certification
- K. Shadow experience in the OR with a CRNA or physician anesthesiologist
- L. Successful personal interview
- M. Ability and willingness to travel for clinical rotation assignments and to be flexible when required to change clinical sites at short notice
- N. Ability to meet the didactic and clinical requirements of the curriculum

Program Requirements

(34 courses; 138 quarter units)

Students must take all of the DNAP courses in the set sequence. The program utilizes a cohort model.

ANE 800	Advanced Principles of EBP
ANE 810	Advanced Pharmacology Concepts <i>Prerequisite: Admission to the Nurse Anesthesia Program or prior approval from Program Director</i>
ANE 815	Adv Human Anatomy for Anesth <i>Prerequisite: Admission to the Nurse Anesthesia Program or approval from Program Director</i>
ANE 816	Advanced Human Anatomy Lab (1.5 quarter units) <i>Prerequisite: Admission to the Nurse Anesthesia Program or prior approval from Program Director</i>
ANE 820	Nurse Anesthesia Physiology I
ANE 824	Principles of Anesthesia I

ANE 825	Advanced HiFi Sim I (1.5 quarter units) <i>Corequisite: ANE 824 with a minimum grade of "B-"</i>
ANE 818	Anesthesia Pharmacology I <i>Corequisite: ANE 824 with a minimum grade of "B-"</i>
ANE 821	Nurse Anesthesia Physiology II
ANE 826	Principles of Anesthesia II <i>Prerequisite: ANE 824 with a minimum grade of "B-"</i>
ANE 827	Advanced HiFi Sim II (1.5 quarter units)
ANE 819	Anesthesia Pharmacology II
ANE 828	Principles of Anesthesia III
ANE 829	Advanced HiFi Sim III (1.5 quarter units) <i>Corequisite: ANE 828 Lab component of the POA III lecture course</i>
ANE 822	Anesthesia Physiology III <i>Prerequisite: ANE 821 with a minimum grade of "B-"</i>
ANE 823	Anesthesia Physical Assessment
ANE 830	Principles of Anesthesia IV <i>Prerequisite: with a minimum grade of "B-"</i> Curriculum in a cohort, lock-step model
ANE 831	Advanced HiFi Sim IV (1.5 quarter units) <i>Corequisite: ANE 830 with a minimum grade of "B-"</i>
ANE 840	Anesth Professional Aspects
ANE 801	Biostat for Nurse Anesthesia
ANE 850	Clinical and Seminar I <i>Prerequisite: Satisfactory completion of the didactic phase of the program.</i>
ANE 851	Implementing EBP in Anesthesia <i>Prerequisite: ANE 800 with a minimum grade of "B-"</i>
ANE 855	Clinical and Seminar II
ANE 856	Health Policy and Advocacy
ANE 860	Clinical and Seminar III
ANE 861	Systems Analysis — Communication
ANE 865	Clinical Rotation — Seminar IV
ANE 866	Epidemiology — Population Health <i>Prerequisite: ANE 801 with a minimum grade of "B-"</i>
ANE 870	Clinical Rotation — Seminar V <i>Corequisite: ANE 865 with a minimum grade of "B-"</i>
ANE 871	Health Care Economics — Finance
ANE 875	Clinical Rotation-Seminar VI <i>Prerequisite: ANE 870 with a minimum grade of "B-"</i>
ANE 876	Capstone Project
ANE 880	Clinical Specialization <i>Prerequisite: ANE 870 with a minimum grade of "B-"</i>
ANE 881	DNAP Role — Health Care Impact