Doctor of Nurse Anesthesia Practice (DNAP) with an Emphasis in Health Administration

This program is offered by the College of Science and Health and is only available at the St. Louis main campus.

Entry into Practice

Program Description

The Doctor of Nurse Anesthesia Practice (DNAP) degree prepares students for expertise in the art and science of anesthesia. Individuals develop this expertise through a holistic and complex integration of affective, cognitive, and psychomotor skills. Nurse anesthesia is an evolving profession, sensitive to the needs of society and the profession. The philosophy of Webster University's Nurse Anesthesia Program (NAP) is that graduate education is fundamental in preparation for practicing as a certified registered nurse anesthetist. Webster University also believes that the profession of anesthesia requires a scientific and dynamic approach to assist in the return to health. The professional nurse anesthetist provides a variety of health services to individual patients and underserved communities using a variety of theories. The practice of anesthesia involves assessment, planning, implementation, directing and evaluating the care process. The practice of nurse anesthesia is founded in a long tradition with numerous activities of the nurse anesthesia profession directed toward disease prevention, health maintenance, restoration, and rehabilitation. Strong moral, ethical, and legal codes are fundamental to the practice of nurse anesthesia. These codes are reflected in internal, external, independent, and interdependent behaviors.

Education at the graduate level is an expansion of the knowledge attained from undergraduate studies. Graduate education at Webster University encourages the development of advanced skills, theoretical knowledge and critical thinking skills to practice the art and science of anesthesia. The art and science of anesthesia are dynamic and require continued educational endeavors to stay abreast of current theory. Therefore, the nurse anesthetist must recognize the need to enhance one's knowledge and improve one's skills as a lifelong endeavor in the discipline of nurse anesthesia.

The curriculum spans three years of continuous enrollment.

Quality Outcomes

Upon completion of the program, students should be able to:

- Professional:
 - Discuss and define the Scope of Practice of the CRNA.
 - Discuss current issues pertaining to the practice of nurse anesthesia.
 - Demonstrate professional attributes through attendance and participation in local, state and national professional organizational meetings and events.
 - Demonstrate strong ethics and personal integrity in all professional pursuits to include the delivery of quality and safe anesthesia to the community we serve.
 - Maintain AANA Associate membership until certification is obtained.
 - Demonstrate professional behaviors in the classroom, clinical settings and organizational activities.
 - Discuss role of Advanced Practice Nurse in leadership and healthcare.
 - Contribute to organizational and systems leadership to improve health care delivery.
- Didactic:
 - Develop a strong and comprehensive knowledge base necessary for the safe and effective delivery of

anesthesia evidenced by academic progression with a B or better average.

- Demonstrate requisite knowledge of content learned as evidenced by biannual Self Evaluation Examination (SEE) scores at or above median range or year in program.
- Proposed, developed, completed and defended a research thesis demonstrating a thorough understanding of the research and scientific method.
- Pass the National Board Certifying Exam for Certified Registered Nurse Anesthetist.
- Clinical:
 - Advocate for patient safety at all times.
 - Perform a thorough preanesthetic assessment and physical examination.
 - Develop an anesthesia care plan based on reported patient health conditions and physical exam.
 - · Perform relevant patient and family teaching.
 - Obtain informed consent for anesthesia services.
 - Administer and manage a variety of anesthetic techniques, to include MAC, regional and general anesthetic techniques.
 - Provide advanced airway management skills.
 - Safely emerge patient from the anesthetic and transport to the Post Anesthesia Care Unity (PACU).
 - Demonstrate mastery in the understanding of comorbidities and the delivery of anesthesia.
 - Transfer care to PACU staff.
 - Recognize and manage any post anesthetic conditions in PACU.
 - Maintain accurate record keeping of anesthetic experience.
 - Interpret and contribute to the development of health care policy.
 - Demonstrate a comprehensive understanding of the role of politics and economics in health care delivery.
 - Demonstrate an understanding of laws pertaining to health care delivery, patient rights, workers rights, etc.
 - Implement the technology of health care informatics into health care delivery.

Clinical Education Partners

The NAP is fortunate to have relationships with more than 30 clinical sites across the state of Missouri, and in Illinois (IL) and Kentucky (KY). These facilities afford us the opportunity to offer our students comprehensive exposure to a variety of specialty areas such as cardiothoracic, pediatric and obstetric anesthesia, and include experience in rural and under-served settings. Our partner clinical sites are overseen by highly qualified CRNAs and physician anesthesiologists.

Clinical rotations begin in the fifth term of the first year. Our SSM Health sites include St. Louis University Hospital, Cardinal Glennon Children's Hospital, DePaul Hospital, St. Clare Hospital, St. Mary's Hospital St. Louis, St. Joseph Hospital, Good Samaritan Hospital (IL), St. Mary's Hospital Centralia (IL), and the St. Louis University-Anheuser Busch Institute. Mercyaffiliated sites include Mercy St. Louis, Jefferson, Perryville, South, Southeast, and Lourdes (KY) Hospitals. BJC-affiliated sites include Missouri Baptist Medical Center, Missouri Baptist Sullivan Hospital, St. Peter's Hospital, Christian Hospital, and Parkland Health Center. St. Luke's facilities include Des Peres Hospital, St. Luke's Hospital and Hedrick Medical Center.

Baptist Health Paducah (KY), Blessing Hospital (Illinois), Boone Hospital Center, Harry S. Truman Memorial Veterans' Hospital,

Doctor of Nurse Anesthesia Practice (DNAP) with an **Emphasis in Health Administration**

John J. Cochran Veterans Affairs Hospital, Lake Regional Hospital, Missouri Delta Medical Center, Phelps Health, St. Francis Medical Center, and University of Missouri Hospital Center complete our outstanding group of clinical affiliates.

Program Curriculum

Enrollment requires admission to the NAP or special permission of the Program Director.

Science Core

- PHYS 7500 Physics for Anesthesia (2 hours)
- AHP 7030 Cell Biology (3 hours)
- AHP 7050 Medical Biochemistry (3 hours)
- AHP 7080 Immunology (2 hours)
- AHP 7010 Advanced Human Physiology I (2 hours) ٠
- AHP 7020 Advanced Human Physiology II (2 hours)
- AHP 7100 Human Gross Anatomy I (3 hours)
- AHP 7100 Human Gross Anatomy I Lab (1 hour)
- AHP 7200 Human Gross Anatomy II (3 hours)
- AHP 7201 Human Gross Anatomy II Lab (1 hour)
- AHP 8400 Advanced Pathophysiology (3 hours)
- DNAP 7900 Pharmacology I (3 hours)
- DNAP 8000 Advanced Pharmacology II (3 hours)
- DNAP 8010 Advanced Pharmacology III (3 hours)
- DNAP 8020 Advanced Pharmacology IV (3 hours)
- DNAP 8700 Pharmacogenomics (2 hours)

Anesthesia Courses

- DNAP 7000 Advanced Health Assessment (4 hours)
- DNAP 7100 Introduction to Anesthesia (3 hours)
- DNAP 7200 Basics of Anesthesia (3 hours) •
- DNAP 7300 Principles of Anesthesia I (3 hours)
- DNAP 7400 Principles of Anesthesia II (3 hours)
- DNAP 8100 Anesthesia Concepts I (3 hours) •
- DNAP 8200 Anesthesia Concepts II (3 hours)
- DNAP 8300 Anesthesia Concepts III (3 hours)
- DNAP 8400 Anesthesia Concepts IV (3 hours)
- DNAP 8410 Anesthesia and Coexisting Diseases (3 hours) ٠
- DNAP 8500 Current Topics in Anesthesia I (1 hour) ٠
- DNAP 8510 Current Topics in Anesthesia II (1 hour)
- DNAP 8520 Current Topics in Anesthesia III (1 hour)
- DNAP 8530 Current Topics in Anesthesia IV (1 hour)
- DNAP 7150 Clinical Simulation Experience I (2 hours)
- DNAP 7250 Clinical Simulation Experience II (2 hours) ٠
- DNAP 7350 Clinical Simulation Experience III (2 hours)
- DNAP 7450 Clinical Simulation Experience IV (2 hours)
- DNAP 7550 Introduction to Clinical Experience (2 hour)
- DNAP 7650 Clinical Experience I (2 hours) •
- DNAP 7750 Clinical Experience II (2 hours) ٠
- DNAP 7850 Clinical Experience III (2 hours)
- DNAP 8050 Clinical Experience IV (2 hours)
- DNAP 8150 Clinical Experience V (2 hours)
- DNAP 8250 Clinical Experience VI (2 hours)
- DNAP 8350 Clinical Experience VII (2 hours)
- DNAP 8450 Clinical Experience VIII (2 hours)
- DNAP 8550 Clinical Experience IX (2 hours)
- DNAP 8650 Clinical Experience X (2 hours)

Doctoral Core

- DNAP 6400 Population Health and Epidemiology (2 hours)
- HLTH 5000 Organization and Management in Health Administration (3 hours)
- HLTH 5050 Financial Management in Health Administration (3 hours)

- DNAP 8240 Health Care Policy Analysis and Advocacy (3) hours)
- DNAP 8430 Health Administration Law and Ethics (3 hours) DNAP 8440 Advanced Practice Nurse Role in Leadership and Health Care (3 hours)

Research Core

- AHP 7510 Biostatistics for Health Sciences (3 hours)
- AHP 7500 Translational Research (2 hours)
- DNAP 7501, DNAP 7502, DNAP 7503, DNAP 7504, DNAP 7505, DNAP 7506, DNAP 7507, DNAP 7508; Research/ Thesis Project I-VIII (8 hours)

Total required: 134 credit hours

Requirements

Academic Performance

Students must earn a minimum cumulative GPA of 3.0 during the course of graduate study and are permitted only one course grade of C.

General Requirements

Enrollment in all nurse anesthesia courses requires admission to the NAP. Completion of the courses will occur in the sequence prescribed by the program for the cohort group in which enrolled; deviations from this sequence, or enrollment without admission to the NAP require special permission of the Program Director.

Students in the program are subject to the policies and procedures for graduate studies for Webster University and the NAP.

Continuous Enrollment

Graduate students enrolled in the NAP must maintain continuous enrollment, or request special permission from the Program Director. The Webster University NAP is a cohort program which requires continuous enrollment with courses completed in the prescribed succession.

Admission

See the Admission section of this catalog for general admission requirements.

Students interested in applying must submit their application through the Nursing Common Application System (NursingCAS) at https://nursingcas.org/. Applicants will need to create and account within the NursingCAS platform. The Webster NAP application can be found by searching for "Webster".

Additional Requirements

Requirements for admission to the NAP include:

- · Current RN license (applicants must obtain a Missouri, Illinois, and Kentucky Nursing License once admitted into the program).
- Bachelor's degree in nursing or related field from a fully accredited institution.
- Prerequisite courses (college-level, 3 credit hours each with satisfactory grades, taken within the last 5 years). Labs are not required for these courses but are encouraged. All prerequisite courses should be completed, with grades received, prior to the application deadline. We encourage applicants to take challenging courses with in depth study of these topics. Courses that provide only superficial

Doctor of Nurse Anesthesia Practice (DNAP) with an Emphasis in Health Administration

introduction of the content will not prepare you as well for the NAP curriculum.

- Organic Chemistry and/or Biochemistry courses that combine organic chemistry and biochemistry are acceptable. This course should not be combined with or have a review of general chemistry. A good indicator of this is a general chemistry prerequisite for the course. Courses that include general chemistry content will NOT be accepted.
- Physics this must be a college-level, algebra-based physics course for science majors. Courses offering instruction in the 'concepts' or a 'survey' of physics for nonscience-based majors will NOT be accepted.
- A cumulative GPA of 3.0 on a 4.0 scale for undergraduate studies or evidence of outstanding post-graduation academic achievement.
- A minimum of one year of experience in a critical care setting as a professional registered nurse (two years preferred in an adult intensive care unit (ICU) setting)

Application Process

Applications must be submitted through the NursingCAS platform. The application deadline is June 1, 2025. Application, payments, and transcripts must be received by 11:59 PM CST on the deadline date. To ensure items arrive on time, try to send all documents several weeks before the deadline.

Candidates are encouraged to complete their application as soon as possible for early consideration. Please complete the following steps to apply:

- 1. Complete the NursingCAS application
- 2. Request official transcripts from all US institutions attended be sent to NursingCAS
- 3. Request Official Evaluation(s) for any Non-US institutions attended be sent to NursingCAS
- 4. Upload personal statement
- 5. Upload CRNA Shadowing Form(s) 8 hours minimum, see Documents section for a link to the form
- 6. Upload resume
- 7. Upload CCRN score sheet
- 8. Upload BLS and ACLS certifications (and PALS if already obtained)
- Upload any additional supporting information you wish to include, such as copies of other certifications, awards, and/ or publications within the past 2 years
- Provide contact information for a minimum of three individuals (one should be from an immediate supervisor, and one should be from a clinical professional)

All applications will be carefully reviewed and selected candidates will be invited for a personal interview. If offered an interview, the candidate is required to submit a State and Federal Criminal Background check (instructions will be provided) and a copy of their Green Card if they are a U.S. Permanent Resident. The Admissions Committee will then determine which candidates will be offered admission into the program.

Questions may be directed to: Graduate Admissions Office: 314.246.7931 admissions@webster.edu

Special Consideration

Applicants to the Doctor of Nurse Anesthesia Practice (DNAP) with an Emphasis in Health Administration who have completed

the Master of Health Administration (MHA) degree at Webster University will be credited for the following courses:

- HLTH 5000 Organization and Management in Health Administration
- HLTH 5050 Financial Management in Health Administration

Applicants who are accepted into the Nurse Anesthesia Program (NAP) will receive six credit hours for these two courses, with a requirement to successfully complete the remaining 128 credit hours of the degree as prescribed in the catalog.

CRNA Completion Degree

Program Description

The doctor of nurse anesthesia practice (DNAP) CRNA completion degree provides the master's prepared practicing CRNA with the opportunity to bridge their degree to the practice doctorate. The degree is offered in a 100% online, primarily asynchronous, platform to accommodate the complicated work schedules of practicing CRNAs. Two of the courses, HLTH 5000 and HLTH 5050, do have a required synchronous activity one evening per week. Consistent with the AACN guidelines and approval by the Council on Accreditation (COA) of Nurse Anesthesia Educational Programs, the DNAP focuses on equipping the CRNA with content areas that emphasize the clinical practice-oriented leadership through evidencebased research, health administration, quality improvement, intradepartmental collaboration, and systems leadership.

Quality Outcomes

Upon completion of the program the graduates should be able to:

- Apply physiological, safety and organizational theories to promote patient safety, enhance quality care and improve nurse anesthesia practice.
- Critically appraise scientific literature and apply results to improve culturally sensitive nurse anesthesia practice and patient care outcomes.
- Effectively collaborate with other health professionals to provide the most appropriate, effective treatment.
- Effectively communicate with patients and family members.
- Demonstrate leadership skills to meet the growing challenges of complex healthcare systems.
- Understand that quality healthcare is steeped in ethics.
- Contribute to ongoing education and training to all members of the healthcare team, families, students in training, etc.
- Demonstrate nurse anesthesia scholarship through a commitment to lifelong learning, leadership activities and interdisciplinary collaboration.

Program Curriculum

- AHP 7500 Translational Research (2 hours)
- DNAP 8240 Health Care Policy Analysis and Advocacy (3 hours)
- HLTH 5000 Organization & Management in Health Administration (3 hours)
- HLTH 5050 Financial Management in Health Administration (3 hours)
- DNAP 6400 Population Health and Epidemiology (2 hours)
- DNAP 8430 Health Administration Law and Ethics (3 hours)
- DNAP 8440 Advanced Practice Nurse Role in Leadership and Health Care (3 hours)
- DNAP 8230 Politics and Economics of Health Care (3 hours)
- DNAP 8500 Current Topics in Anesthesia I (1 hour)
- DNAP 8510 Current Topics in Anesthesia II (1 hour)

Doctor of Nurse Anesthesia Practice (DNAP) with an Emphasis in Health Administration

- DNAP 8520 Current Topics in Anesthesia III (1 hour)
- DNAP 8530 Current Topics in Anesthesia IV (1 hour)

Required Translational Independent Study Courses

 DNAP 7501, DNAP 7502, DNAP 7503, DNAP 7504, DNAP 7505, DNAP 7506 Translational Research Project I-VI (6 hours)

Total required: 32 credit hours

Requirements

Academic Performance

Students must earn a minimum cumulative GPA of 3.0 during the course of graduate study and are permitted only one course grade of C.

Continuous Enrollment

Graduate students enrolled in the DNAP CRNA completion program must maintain continuous enrollment or requires special permission from the Program Director.

Admission

See the Admission section of this catalog for general admission requirements. Students interested in applying must submit their application online at www.webster.edu/ apply. Transcripts should be sent from your institution electronically to transcripts@webster.edu. If this service is not available, send transcripts to:

Office of Admission Webster University 470 E. Lockwood Ave. St. Louis, MO 63119

Additional Requirements

Requirements for admission to the doctor of nurse anesthesia practice (CRNA completion) program include:

- Master's degree in nurse anesthesia from an accredited institution.
- A cumulative GPA of 3.0 on a 4.0 scale.
- Official transcripts from **all** universities, colleges and professional schools.
- A minimum of one year of practice as a CRNA or verification of a 4-credit hour Advanced Health Assessment course.
- Proof of current CRNA license from NURSYS.com*; report should include all licenses and expirations.
- A current résumé.*
- A letter of reference from a supervisor that can attest to CRNA practice. References are requested through the application.

*These required materials must be electronically uploaded to the application account.

Application Process

Please visit the Webster University Doctor of Nurse Anesthesia Practice webpage for the Application Deadline date: https:// www.webster.edu/science-health/nurse-anesthesia/nurseanesthesia.php.

Submit all the following documents to the Office of Admissions; address is below.

- 1. A completed DNAP CRNA Completion degree online application
- 2. A non-refundable application fee
- 3. Official transcripts from professional program
- 4. A current resume
- 5. Current copy of CRNA credential
- 6. A letter of reference from a supervisor that can attest to CRNA practice

Completed application files will be reviewed by the Nurse Anesthesia Department.

Transfer Credits

Transfer credits are considered on an individual basis up to 6 credit hours.

Send all admission materials to: Office of Admission Webster University 470 East Lockwood Ave St. Louis, MO 63119