

COURSES

- DNP 710 Epidemiology/Population Health 3 CREDITS**
Epidemiological concepts as they relate to health and healthcare are introduced in this course. The advanced practice nurse will develop an understanding of population health, screening, prevention, and disease control. Prerequisites: none
- DNP 711 Biological Systems, Homeostasis, & Patho 3 CREDITS**
This course will introduce the student to principles of biological systems, homeostasis, and pathogenesis. Best-practice models for nurse anesthesia care will be discussed. Students will examine systematic outcomes in the translation of research evidence and data, and identify application to nurse anesthesia practice.
- DNP 713 Healthcare Improvement 4 CREDITS**
Students will analyze ways to improve healthcare using a systems approach and evaluate evidence for safety issues related to patients, populations, clinical settings, or hospital systems. Students will explain the significance of an inter-professional approach to solving patient safety issues and create a policy related to healthcare improvement in the operating room. Students will analyze patient safety and technology and apply those concepts to the improvement of healthcare.
- DNP 715 Health Care Policy and Economics 3 CREDITS**
This course will explore health care policies and laws that control the structure of healthcare in the United States. Advance practice nurses will explore current and emerging issues and principles of business finance related to health care practices. National, state, and local levels will be addressed. Prerequisites: none
- DNP 720 Evidence-Based Nursing Practice 3 CREDITS**
This course explores the theoretical foundations of practice, implementation of research, and evidence based approaches to practice. Learning focuses on the integration of scientific evidence in to practice to promote safe, cost effective healthcare with improved outcomes. Prerequisites: none
- DNP 725 Leadership and Roles 3 CREDITS**
This course will explore the development of the advanced practice role as it relates to our complex healthcare system. Regulation of practice and professional responsibilities are included. Professional development and leadership models are addressed. Leadership related concepts such as professional integrity, credibility, and interprofessional collaboration will also be emphasized. Prerequisites: none
- DNP 727 Legal Concerns 2 CREDITS**
Course discussions will explain the major legal issues in nurse anesthesia practice and health care. Students will apply legally sound decision-making processes in the healthcare and academic environments and use critical thinking and logical argument techniques to rationally debate controversial legal issues. Students will defend a controversial health care legal decision using recent research and explain the most effective ways to keep anesthesia providers safe from frivolous lawsuits.
- DNP 730 Adv. Statistics for Clinical Practice 3 CREDITS**
This course provides an understanding of qualitative and quantitative statistics including some mathematical skills relevant to understanding the application of statistics in health care. Advance practice nurses will develop skills to read and interpret medical literature. Prerequisites: none
- DNP 731 Advanced Health Assessment 3 CREDITS**
This course will focus on health assessment across the lifespan. Students will discuss health assessment as it relates to overall patient well-being and apply these concepts to their anesthesia preoperative interviews. Charting and lab value interpretation will be discussed.
- DNP 732 Gross Anatomy 3 CREDITS**
An in-depth analysis of human anatomy will occur through the use of hands-on cadaver dissection and class discussion. Dissection of the nervous system will allow for regional anesthesia application.
- DNP 733 Research Methods 2 CREDITS**
Basic concepts of research practice will be incorporated into an interactive student-faculty approach towards evidenced based practice. Key terminology and literature review will guide the student towards mastering concepts in all facets of research practice.
- DNP 734 Chemistry and Physics 2 CREDITS**
This course will focus on measurements and math, physics, chemistry, fluids, gas laws, states of matter, pressure, tension, radiation, electricity, acid-base balance, and a thorough understanding of the anesthesia machine.
- DNP 740 Advanced Theory and Ethics in Anp 3 CREDITS**
This course focuses on theory directed design and implementation of evidence to transform healthcare systems. Advanced practice nurses will explore ethical dilemmas in healthcare delivery based on evidence. Ethics related to decision making at an individual, organizational, and systems level will be investigated. Prerequisites: none
- DNP 745 Informatics in Health Care Systems 3 CREDITS**
This course explores major existing and emerging technologies and their potential impact on healthcare systems. Use of technology in healthcare will be emphasized and will include systems that support patient centered, effective, timely, safe, and equitable care. Prerequisites: none
- DNP 750 Quality and Safety Across Healthcare 3 CREDITS**
This course analyzes the economic, social, and political issues that affect quality healthcare in today's environment. The advance practice will gain tools to influence quality improvement in today's healthcare systems. Prerequisites: none
- DNP 760 Scholarly Project Development I 2 CREDITS**
This course is the first of a 3-course series designed to assist in identifying and gathering data for the scholarly project. Project management and development of outcomes and a plan are emphasized in this course. (120 doctoral clinical hours) Prerequisites: none
- DNP 765 Scholarly Project II 3 CREDITS**
This course is the second in a 3-course series designed to promote the development of the doctorate scholarly project. A culmination of previous clinical experiences and previous courses will guide development of the project. (180 doctoral clinical hours) Prerequisites: DNP 760
- DNP 770 Scholarly Project III 3 CREDITS**
This is the third of a 3-course series designed for culmination of the DNP scholarly project. Completion of this course is the successful completion of the scholarly project. (180 doctorate level clinical hours) Prerequisites: DNP 760, DNP 765.
- DNP 799 DNP Continuing Registration 0 CREDITS**
This course is for the ongoing work on the clinical research component of the DNP program. There is a registration fee of \$250 per semester. Prerequisites: DNP 770.
- DNP 811 Advanced Physiology & Pathophysiology 4 CREDITS**
This course will focus on physiology and pathophysiology across the life span. Basic cell structure will set the foundation for a comprehensive review of all human systems and its relevancy to anesthesia practice will be discussed.
- DNP 812 Advanced Pharmacology I 4 CREDITS**
This is the first course in a sequence of two courses designed to provide the nurse anesthesia student with an in-depth knowledge of pharmacology and its application to the clinical practice of anesthesia. Video conference lectures followed by discussion will be the format of these courses.
- DNP 813 Anesthesia Principles I 2 CREDITS**
Introductory aspects of nurse anesthesia will be discussed. Concepts will include anesthesia history, progress and advancements over the years, antibiotics, preoperative evaluation and planning, airway emergencies, spinal and epidural placement, and regional anesthesia blocks.
- DNP 814 Anesthesia Simulation I 2 CREDITS**
Students will perform an anesthesia machine check and properly set up their anesthesia station. Proper medication selection and airway equipment

