

Year 1: Foundational Knowledge and Skills

Fall Semester: 13 credits

Advanced Pathologic Aspects of Disease (4 credits)

- *In-depth study of human body systems and disease processes that influence anesthesia practice.*

Pharmacotherapeutics for Advanced Practice (3 credits)

- *Principles of pharmacology and medication management.*

Foundations in Anesthesia (3 credits)

- *Comprehensive introduction to the practice of anesthesia, with an emphasis on preoperative assessment*

Teaching and Learning Strategies in Nursing Education (3 credits)

- *Methods and strategies for effective nursing education and public speaking.*

Spring Semester: 15 credits

Advanced Physiology & Anatomy for Anesthesia I (4 credits)

- *Detailed study of human physiology and anatomy specific to anesthesia applications.*

Anesthesia Principles I (4 credits)

- *Introduction to the principles and practices of anesthesia.*

Advanced Simulation for Anesthesia Principles I (1 credit)

- *Simulation-based learning to apply anesthesia principles.*

Advanced Pharmacology for Anesthesia I (3 credits)

- *Advanced pharmacology relevant to anesthesia practice.*

Advanced Health Assessment (3 credits)

- *Advanced Patient Assessment for Advanced Nursing Practice*

Summer Semester: 15 credits

Anesthesia Principles II (4 credits)

- *Continued study of anesthesia principles and practices.*

Advanced Simulation for Anesthesia Principles II (1 credit)

- *Further simulation-based application of anesthesia principles.*

Advanced Pharmacology for Anesthesia II (3 credits)

- *Continued advanced pharmacology studies.*

Advanced Physiology & Anatomy for Anesthesia II (4 credits)

- *Further exploration of human physiology and anatomy specific to anesthesia applications.*

Applied Anatomy Skills & Simulation Lab (3 credits)

- *Anatomy lab, hands on experience with the development of anesthesia skills.*

Year 2: Advanced Theory and Clinical Practice

Fall Semester: 11 credits

Intro to Clinical Anesthesia (1 credit)

- *Introduction to clinical settings and anesthesia practice*

Clinical Practicum for Anesthesia Practice I (3 credits)

- *First clinical practicum (3 days per week) focusing on providing anesthesia care.*

Statistical Analysis in Evidence-Based Practice (3 credits)

- *Principles of statistical analysis in healthcare research.*

Anesthesia Principles III (4 credits)

- *Advanced principles and techniques in anesthesia.*

Spring Semester: 10 credits

Clinical Practicum for Anesthesia Practice II (4 credits)

- *Clinical practicum increased to 4 days per week for the remainder of the program with increasing complexity.*

Advanced Evidence Application (3 credits)

- *Application of evidence-based practices in anesthesia.*

Human Factors, Patient Safety, Ethics & Diversity in Anesthesia Practice (3 credits)

- *Exploration of methods to improve patient outcomes and quality care in anesthesia*

Summer Semester: 10 credits

Anesthesia Capstone I - Project Design (3 credits)

- *Initial phase of the capstone project focusing on project design.*

Clinical Practicum for Anesthesia Practice III (4 credits)

- *Further clinical practicum experiences.*

Crisis & Trauma Management, Advanced Concepts in Anesthesia Practice (3 credits)

- *Evidence based, best outcomes are applied in simulation scenarios which include principles in trauma resuscitation and pharmacologic and clinical management of the trauma patient.*

Year 3: Mastery and Specialization

Fall Semester: 9 credits

Clinical Practicum for Anesthesia Practice IV (4 credits)

- *Advanced clinical practicum with a focus on specialization.*

Approaches to Scholarly Writing (2 credits)

- *Techniques and practices for scholarly writing in anesthesia.*

Anesthesia Capstone II - Project Development (3 credits)

- *Development phase of the capstone project.*

Spring Semester: 9 credits

Clinical Practicum for Anesthesia Practice V (4 credits)

- *Continued advanced clinical practicum.*

Anesthesia Capstone III - Project Implementation (3 credits)

- *Implementation phase of the capstone project.*

Anesthesia Board Prep I (2 credits)

- *Preparation for the National Certification Exam.*

Summer Semester: 9 credits

Clinical Practicum for Anesthesia Practice VI (4 credits)

- *Final clinical practicum focusing on comprehensive anesthesia care.*

Business, Leadership and Health Policy for Anesthesia (3 credits)

- *Study of business and leadership principles in anesthesia practice as well as an exploration of health policy.*

Anesthesia Board Prep II (2 credits)

- *Final preparation for the National Certification Exam.*