

## **Year 1: Foundational Knowledge and Skills**

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### **Fall Semester: 12 credits**

*Advanced Human Pathophysiology (3 credits)*

- *In-depth study of human body systems and disease processes.*

*Pharmacotherapeutics for Advanced Practice (3 credits)*

- *Principles of pharmacology and medication management.*

*Advanced Health Assessment for Anesthesia (3 credits)*

- *Techniques and principles of comprehensive health assessments specific to anesthesia.*

*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: 13 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.*

*Intro to Clinical Anesthesia (1 credit)*

- *Introduction to clinical settings and anesthesia practice.*

## **Year 2: Advanced Theory and Clinical Practice**

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**Fall Semester: 14 credits**

*Applied Anatomy Skills and Simulation Lab (3 credits)*

- Detailed study of regional anesthesia and hands-on skills in the anatomy lab.

*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.

*Advanced Simulation for Anesthesia Principles III (1 credit)*

- Simulation to enhance practical anesthesia skills.

**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**

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**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.*