

# MASTER OF SCIENCE IN ANESTHESIA

## Student Learning Outcomes

Students graduating from this program will:

- Demonstrate competency in patient care including preoperative preparation/anesthetic plan, patient monitoring, airway management, patient positioning, and anesthesia record documentation
- Demonstrate competency in integration of basic medical knowledge into clinical practice through application of concepts from foundational coursework in the clinical setting
- Demonstrate competency in clinical management through mastery of skills in multitasking, problem solving, specialty specific management and techniques, responding to changes in patient status, and overall case management
- Demonstrate competency in self-learning and professionalism
- Demonstrate competency in communication with preceptors, operating room staff, other health professionals, and patients

## Program Description

The Master of Science in Anesthesia program at the UMKC School of Medicine prepares students to become anesthesiologist assistants (AAs). The program mission is to graduate AAs with advanced specialized knowledge and skills and individuals who are compassionate, competent, ethical and patient-centered AAs who work within an Anesthesia Care Team.

## Degree Requirements

To complete the program students must complete a 7 semester plan of study, which involves 111 credit hours of coursework, and at least 2000 clinical hours (obtained during Anesthesia Clinical Experience courses). The minimum patient case requirements are outlined in the student handbook. Students must also maintain a 3.0 or better grade point average to earn the Master of Science in Anesthesia degree.

### Required Courses Include:

#### Semester 1 (January to May) (16.5 credit hours)

Code	Title	Credits
ANESTH 5505	Anatomy for Anesthesiologist Assistants I	1
ANESTH 5518	Professionalism for the Anesthesiologist Asst I	.5
ANESTH 5540	Patient Monitoring and Instrumentation	3
ANESTH 5556	Physiology for Anesthesiologist Assistants I	3
ANESTH 5560	Introduction to Anesthesia	2
ANESTH 5561	Orientation to Simulation and Clinical Application	5
ANESTH 5575	Pharmacology for Anesthesiologist Assistants I	2
Total Credits		16.5

#### Semester 2 (May to August) (13.5 credit hours)

Code	Title	Credits
ANESTH 5528	Professionalism for the Anesthesiologist Asst II	0.5
ANESTH 5541	Methods of Anesthesia I	2
ANESTH 5557	Physiology for Anesthesiologist Assistants II	2
ANESTH 5558	Anesthesia & Co-existing Disease I	2
ANESTH 5563	Anesthesia Clinical Experience I	4
ANESTH 5576	Pharmacology for Anesthesiologist Assistants II	1
ANESTH 5585	Physiological Model-based Simulation I	2
Total Credits		13.5

#### Semester 3 (August to December) (17.5 credit hours)

Code	Title	Credits
ANESTH 5506	Anatomy for Anesthesiologist Assistants II	1
ANESTH 5538	Professionalism for the Anesthesiologist Asst III	0.5
ANESTH 5559	Anesthesia & Co-existing Disease II	2
ANESTH 5565	Anesthesia Clinical Experience II	8

ANESTH 5577	Methods of Anesthesia II	3
ANESTH 5578	Pharmacology for Anesthesiologist Assistants III	2
ANESTH 5586	Physiological Model-based Simulation II	2
Total Credits		18.5

**Semester 4 (January to May) (17 credit hours)**

Code	Title	Credits
ANESTH 5564	Anesthesia Clinical Correlation II	1
ANESTH 5567	Anesthesia Clinical Experience III	16
Total Credits		17

**Semester 5 (May to August) (13 credit hours)**

Code	Title	Credits
ANESTH 5568	Anesthesia Clinical Correlation III	1
ANESTH 5569	Anesthesia Clinical Experience IV	12
Total Credits		13

**Semester 6 (August to December) (17 credit hours)**

Code	Title	Credits
ANESTH 5570	Anesthesia Clinical Correlation IV	1
ANESTH 5571	Anesthesia Clinical Experience V	16
Total Credits		17

**Semester 7 (January to May) (16.5 credit hours)**

Code	Title	Credits
ANESTH 5573	Anesthesia Clinical Experience VI	16
ANESTH 5548	Anesthesiologist Assistant Senior Seminar	0.5
Total Credits		16.5

**Admission Requirements**

Please visit our Admissions Page (<https://med.umkc.edu/msa/>) to learn about our requirements.