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.

Licensure Disclosure

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To become certified, Anesthesiologist Assistants must:

1. Obtain an anesthesia-related master's degree from a program accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).
2. Pass a national certifying exam administered by the National Commission for Certification of Anesthesiologist Assistants (NCCAA).
3. Meet minimum standards for clinical hours, types of anesthetics and surgical procedures, and clinical procedures as specified by the National Commission for Certification of Anesthesiologist Assistants (NCCAA).

Upon receipt of certification, graduates can apply for licensing in states where CAA's can practice.

The purpose of the National Commission for Certification of Anesthesiologist Assistants (NCCAA) includes ensuring that Certified Anesthesiologist Assistants (CAAs) have the necessary knowledge and skills to practice safely and effectively. For entry level CAAs, the NCCAA verifies academic qualifications with each academic program for certification eligibility and tests knowledge by using a Certification exam. As a prerequisite for certification eligibility and to maintain and protect the strength of the CAA credential, the NCCAA collects a record of clinical experience from student anesthesiologist assistants (SAAs) to verify entry level clinical standards are met for new CAAs. Clinical hours and experiences are self-reported to the NCCAA via a digital mobile application. The clinical experience record is verified with academic institutions and reviewed to determine certification eligibility. SAAs are required to complete education and clinical training minimums prior to becoming eligible for board certification by examination.

Program Director
Lance Carter (carterla@umkc.edu), MSA, CAA

States in Which the Curriculum Meets the Educational Requirements for Licensure
AL, CO, DC, FL, GA, IN, KY, MI, MO, NM, NC, OH, OK, SC, TX, VT, WI.

States in Which the Curriculum Does Not Meets the Educational Requirements for Licensure
Anesthesia practices in the states below do not employ Certified Anesthesiologist Assistants (CAA) as part of their anesthesia care team. CAAs cannot be licensed.

AK, AZ, AR, CA, CT, DE, HI, ID, IL, IA, KS, LA, ME, MD, MA, MN, MS, MT, NE, NV, NH, NJ, NY, ND, OR, PA, RI, SD, TN, UT, USVI, VA, WA, WV, WY.