

ANESTHESIOLOGY

Contact the Anesthesiology CST Coordinator (<https://catalog.unmc.edu/medicine/curriculum/phase3/career-specialty-tracks/>) with questions unless a Course Administrator is specified for a course in the course description.

ANES 720 ANESTHESIOLOGY ROTATION 4 Credit Hours

ELECTIVE

The intention of this rotation is to provide a broad exposure to the field of anesthesiology. This rotation is for students both interested in pursuing a career in anesthesiology and those students who are interested in learning basic Anesthesiology concepts and knowing more about the interdisciplinary aspects of our specialty to become well rounded physician collaborators. Students will be given an opportunity to participate in the care of patients undergoing a variety of surgical procedures. Students will be involved from pre-operative risk stratification to post-Anesthesiology recovery in the PACU or ICU with an emphasis on anesthetic management throughout this time. They will also gain exposure to Anesthesiology subspecialties by choosing from two one-week blocks in Acute Pain, Cardiac Anesthesiology, Obstetrical Anesthesiology, Pediatric Anesthesiology, Transplant Anesthesiology or Neuro Anesthesiology. This diverse experience will give the student an opportunity to learn about the perioperative clinical considerations of the patient, as well as provide them with hands-on technical skills. The student will engage in many procedures including airway management, peripheral nerve blocks, neuraxial anesthesiology, arterial and venous access, and transesophageal echocardiography. Other notable concepts addressed will be physiology, pharmacology, fluid management, and pain control as pertaining to Anesthesiology and beyond. Our rotation also utilizes the simulation lab to teach clinical and procedural skills. Students will be expected to participate in weekly case discussions and journal clubs to help deepen their understanding of the specialty. Rotations Offered: Each 4 weeks.

Instructor: Dr. Brittany Brown

Typically Offered: FALL/SPR

Capacity: 3 students - May, June, July; 5 students all other months

ANES 725 CRITICAL CARE ANESTHESIOLOGY 4 Credit Hours

ELECTIVE

Critical Care Anesthesiology provides an opportunity to collaborate with a multi-disciplinary team led by Anesthesiology-Intensivists to provide cutting edge, patient centered medical therapy to complex, critically ill patients. Learn to navigate the intricacies of multi-organ system dysfunction, sepsis, post-operative cardiac, thoracic and surgical oncology patients, as well as mechanical cardiopulmonary support. Engage in discussions of medical ethics, end of life issues, as well as analyze interpersonal and family dynamics in a high acuity environment. This four-week rotation is ideal for those medical students interested in anesthesiology, critical care medicine, internal medicine, cardiology, or surgery, or for students seeking a high-intensity educational exposure to the physiology and pathophysiology of the cardiovascular, respiratory, renal and other major organ systems. The rotation will focus its curriculum on critical care topics with related reading scheduled lectures and bedside instruction of procedures such as central line catheter placement, arterial line insertion, intubation, echocardiography and head-to-toe critical care ultrasonography. Multidisciplinary academic rounds will take place daily, with scheduled lectures occurring three days per week on predesignated topics delivered during lunch by Critical Care Anesthesiology faculty. Rotations Offered: Each 4 weeks, except July.

Instructor: Dr. Amanda Arnzen

Typically Offered: FALL/SPR

Capacity: 2

ANES 734 PAIN MANAGEMENT 4 Credit Hours

ELECTIVE

During this one-month rotation the student will spend the majority of their time seeing patients at one of our clinic locations. These locations include Village Point, the UNMC main campus or Bellevue Medical Center. The student will become familiar with the treatment of chronic non-malignant pain and cancer pain. The student may participate in consultation within the hospital as well as the various interventional procedures that are done in the OR to treat pain. They will also spend time with the staff of our behavioral pain program. Rotations Offered: Each 4 weeks.

Prerequisite: Not open to visiting students.

Instructor: Dr. Marshall Ladd Dr. Michael Lankhorst

Typically Offered: FALL/SPR

Capacity: 2

ANES 760 AWAY ANESTHESIOLOGY ELECTIVE 4 Credit Hours

ELECTIVE

Arrangements in other medical centers can be made for extraordinary learning experiences not readily available within our facilities. Department of Anesthesiology faculty will be pleased to work with the student interested in an extramural clerkship when credit for this clerkship is desired. All arrangements for this away elective and all correspondence are the responsibility of the student requesting this elective. Away elective application forms must be submitted in VSLO (Visiting Student Learning Opportunities). Rotations Offered: Each 4 weeks.

Prerequisite: Pre-arrangement with the Anesthesiology CST Director and an approved away application. Not open to visiting students.

Typically Offered: FALL/SPR

Capacity: Variable

ANES 763 INTERNATIONAL HEALTH ELECTIVE 4 Credit Hours

ELECTIVE

This course is intended for senior medical students interested in experiencing global health care in rural settings, and will currently take place in rural Rwanda, Africa. Gitwe Hospital is a 200 bed District Hospital in Rwanda serving eight Health Centers in the Ruhango District. Opportunities exist for students to participate in multiple primary care settings as well as gain exposure to obstetric care. Interested students will spend three weeks working with community physicians as well as academic physicians affiliated with the University of Gitwe. Currently, the rotation will be offered twice per year. Ideally, students participating in the rotation will have a desire to integrate international healthcare into their career, and our primary goal is to encourage students on that path. The student will need to plan ahead for this rotation, as there are things to be accomplished before the rotation and the plane fare alone is expensive.

Rotations Offered: Variable.

Prerequisite: Pre-arrangement with the Anesthesiology Coordinator and Sarah Pirtle (Office of Global Engagement), and an approved away application. Not open to visiting students.

Instructor: Dr. Kyle Johnson and Dr. Megan Chacon

Typically Offered: FALL/SPR

Capacity: Variable

ANES 798 ANESTHESIOLOGY RESEARCH 4 Credit Hours

ELECTIVE

This course is designed to enhance the student's clinical research knowledge with an emphasis on anesthesiology or critical care. The student will gain knowledge, including good clinical practice, regulatory requirements, research study designs, and data collection standard. Students will be required to have CITI training and will be added to the IRB application associated with the research project in which they are allocated to assist. The student will receive a grade based on the established performance rubric and faculty evaluation. Rotations Offered: Each 4 weeks.

Prerequisite: Pre-arrangement with the Department Coordinator. Not open to visiting students.

Typically Offered: FALL/SPR

Capacity: 1

ANES 799 ADVANCED ANTHESIOLOGY 4 Credit Hours

ELECTIVE

This is an opportunity to select specific areas of interest within the field of anesthesiology to focus on and delve into further. The student will spend four one-week blocks in any of several specialized areas, such as neuro-Anesthesiology, cardiovascular Anesthesiology, thoracic Anesthesiology, pediatric Anesthesiology, transplant Anesthesiology, obstetrical Anesthesiology, or acute pain management (regional Anesthesiology). Generally, the student will select rotations on which they prefer to spend time in and will closely follow faculty and residents for a week at a time on each of the chosen rotations. Rotations Offered: August - March.

Prerequisite: ANES 720. Not open to visiting students.

Instructor: Dr. Brittany Brown

Typically Offered: FALL/SPR

Capacity: 2