

ANESTHESIA TECH LEC/LAB (ANEC)

ANEC 1210 Anesthesia Technology Fundamentals 1

Credit Hours: 3

This combined lecture/laboratory course introduces the anesthesia machine, operatory, drug cart, and monitoring equipment. Anesthesia specific medical terminology and pharmaceuticals will also be introduced. Concepts of asepsis and equipment sterilization will be discussed. General and regional anesthesia techniques will be compared.

ANEC 1440 Anesthesia Technology Instrumentation 1

Credit Hours: 3

This combined lecture and laboratory course further explores equipment and techniques used in the Anesthesia Technology field, including equipment set-up, maintenance, repair, and trouble-shooting. Concepts of hemodynamic maintenance via patient warming and cooling mechanisms will be introduced. Intubation techniques will be demonstrated. Discussion of regional and local anesthesia will be continued. Emergency techniques will be discussed and practiced.

ANEC 2220 Anesthesia Technology Fundamentals 2

Credit Hours: 3

Prerequisites: ANEC 1210 with a grade of "C" or higher

This combined lecture and lab course will reinforce the student's experience in cleaning, sterilizing, preparing, and disposing of anesthetic equipment and supplies in an operatory setting. Verbal and written communication, concepts and techniques for gas anesthetic scavenging, and difficult intubation techniques will be emphasized. Set-ups for various routine and complicated surgical procedures including patient positioning and airway access will be discussed. American Society of Anesthesiologist (ASA) checklists for gas anesthesia machines will be followed.

ANEC 2450 Anesthesia Technology Instrumentation 2

Credit Hours: 3

Prerequisites: ANEC 1440 with a grade of "C" or higher

This combined lecture and laboratory course explores advanced equipment and techniques used in neurological, cardiac, and trauma patients, including equipment set-up, maintenance, repair, and trouble-shooting. More advanced concepts of anesthesia maintenance will be introduced and emergency protocols will be reviewed. Discussion of regional and local anesthesia will be continued. Leadership responsibilities in the operatory will be reviewed and emphasized in simulations and case studies.