

ANESTHESIA TECHNOLOGY

FALL 2006

IS ANESTHESIA TECHNOLOGY THE RIGHT CHOICE FOR YOU?

What is the study of anesthesiology?

Anesthesia is a drug administered for medical or surgical purposes that induces partial or total loss of sensation and may be topical, local, regional, or general, depending on the method of administration and area of the body affected.

Anesthesiology is the medical specialty concerned with the pharmacological, physiological, and clinical basis of anesthesia and the related fields of resuscitation, intensive care, and acute and chronic pain management.

Anesthesiologists are medical doctors (MDs) with training in anesthesiology. They are assisted by a team of health care professionals who are specially trained in the methods and equipment used for monitoring anesthetized patients. These professionals may include resident phy-

sicians, nurse anesthetists, and anesthesiology technologists.

What is the role of the anesthesia technologist?

Anesthesia technologists are integral members of the operating room team and work under the direction of an anesthesiologist.

Their technical expertise is an asset in preparing and monitoring anesthesia delivery systems before and during administration of anesthesia to patients. Some of their job responsibilities include cleaning, sterilizing, disinfecting, maintaining and stocking anesthesia equipment as well as assisting with patient positioning, application of external patient monitoring devices and assisting the anesthesiologist with insertion of invasive patient monitoring devices.

What is the salary range for anesthesia technologists?

In New York State, entry level salaries for anesthesia technologists starts around \$28,000 and may go as high as \$41,000.

What else should I know?

Entry level positions as anesthesia technicians are available for recent graduates who are not certified. Employers favor those who have certification as a Cer.AT (certified anesthesiology technician) or as a Cer.ATT (certified anesthesiology technologist).

Completion of this concentration provides a strong academic base for those wishing to pursue further education in medical professions such as RN to CRNA or NP, perfusionist, or other graduate education.



“Anesthesia care personally performed or medically directed by an anesthesiologist, a physician who has successfully completed a training program in anesthesiology, constitutes the practice of medicine. Certain aspects of anesthesia care may be delegated to other properly trained and credentialed professionals. These professionals, medically directed by the anesthesiologist, comprise the Anesthesia Care Team.”

- American Society of Anesthesiologists

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What are the requirements of the Anesthesia Technologist concentration?

Health Science students must successfully complete the fall semester coursework during their senior year before enrolling for spring courses in the concentration.

If students plan to take the post-baccalaureate year program (qualifying the student to take the certification exam in anesthesia technology) they must apply for acceptance in the program at the end of the fall semester.

Coursework during the spring semester of the senior year will provide students with the basic foundation for further study in this field.

Successful completion of the major and concentration coursework are required for a student to participate in the post-baccalaureate year of study in the Anesthesia Technology program

at University Hospital Medical Center.

Required courses in the concentration include:

- **Introduction to Anesthesia:** coursework provides the basics of the specialty including equipment and supplies used to administer anesthesia. Through the use of lecture, video, tour and hand-on demonstration, students gain a working knowledge of how to assist anesthesiologists and anesthetists in the acquisition, preparation and application of equipment and supplies required for the administration of anesthesia.
- **Clinical Monitoring:** coursework provides a working knowledge of an skills needed to use clinical monitoring devices. Coursework covers duties of anesthesia technologist including the provision of technical support to professional staff to facilitate anesthesia departmental function. Students develop skills necessary to maintain and organize the anesthesia environment, equipment and supplies.
- **Pharmacology Anesthesia:** coursework provides the basic principles of pharmacologic properties and clinical applications.
- **Cardiopulmonary Physiology for ASATT:** coursework reviews anatomical structures and physiological functions of the cardiopulmonary systems. Reviews mathematical formulas and calculations used in clinical applications.
- **Corporate Compliance and Regulations:** coursework provides an overview of legislation requiring healthcare institutions' compliance programs.

Advising sessions are conducted on both campuses, as early as possible, to assess student interest and provide information on prerequisites. For additional information about the major please contact:

Traci Thompson—Advising
HSC, Level 2, Room 453
Phone: 631.444.2407
Fax: 631.444.1515

Régine Verrier—Advising

• Mon/Fri, HSC, L2, Rm 453
Phone: 631.444.6858

• Tu/Wed/Thur
Academic Advising Office
Melville Library
Phone: 631.632.4689

OR VISIT OUR WEBSITE AT:

www.uhmc.sunysb.edu/shtm

HOW TO BECOME A HEALTH SCIENCE STUDENT

Students can declare the Health Science major at any time during their academic career. All major courses are taken during the senior year.

- In order to begin your senior year courses in the major, you must have a G.P.A. of at least 2.0 and have successfully completed 91 credits.
- You must also have met all D.E.C. requirements, including at least 16 credits in natural sciences (D.E.C. E), 21 credits of related electives, and 10 upper division credits.
- Successful completion of the following courses during the fall semester of your senior year is required:

Health Care Issues
Professional Ethics
Communication Skills
Professional Writing
Health Informatics

Medical Terminology (2 credit elective may also be taken)

Anatomy and Physiology is strongly suggested for students interested in the Anesthesiology Technology concentration.



HEALTH SCIENCES CENTER

School of Health Technology & Management

FOR ADDITIONAL INFORMATION PLEASE VISIT THE FOLLOWING WEBSITES:

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- American Society of Anesthesia Technologists and Technicians
www.asatt.org
- Anesthesia Society of American
www.asahq.org

Job Information:

www.asatt.org
www.salaries.com
www.bls.gov
www.salary.monster.com

- Tuition will be due two weeks prior to the first day of the post-baccalaureate program.
- Health Assessment Forms must be submitted one month prior to the start of the program.
- Student are responsible for transportation during the post-baccalaureate year.
- Clinical sites are located anywhere from Manhattan to eastern Long Island.
- Financial Aid does not cover the tuition for the post-bacc program. You may take out a career loan from various financial institutions.
- Students may incur additional costs (materials, books, drug tests, background checks, etc.) during the post-baccalaureate program.
- Campus housing may not be available.
- \$40 application fee

Tuition Costs—

\$5,000.00

Number of Seats—

10