

**Common Course Outline**  
**ANET 101**  
**Fundamentals of Anesthesia Technology**  
**3 Credits**

**Community College of Baltimore County**

**Description**

**ANET 101 – Fundamentals of Anesthesia Technology** provides an introduction to the field of Anesthesia Technology, its history and the concepts necessary for practice. The focus of the course is on patient safety, universal precautions, and members of the healthcare team.

**3 Credits:** 3 lecture hours

**Prerequisite:** Acceptance into the Anesthesia Technology program.

**Overall Course Objectives**

Upon completion of this course students will be able to:

1. examine historical and contemporary factors influencing the development of anesthesia technology;
2. explain the role of the Anesthesia Technologist in the current practice environment;
3. outline the requirements of a Certified Anesthesia Technologist;
4. identify the aspects of effective communication techniques and caring behaviors with patients and families to improve health outcomes;
5. compare professional anesthesiology roles including the scope of practice and function of each Anesthesia Care Provider;
6. describe the role of providers within the healthcare environment;
7. identify the characteristics of professional behaviors with external and internal customers;
8. discuss the impact of diversity on patient outcomes;
9. explain spiritual belief systems and their effect on patient care; and
10. apply the critical thinking process to the development of an individualized patient care plan.

**Major Topics**

- I. History of Anesthesia Technology
- II. Role of the Certified Anesthesia Technologist (Cer.A.T.T.)
  - A. Standards of Practice
  - B. Competencies
  - C. Job Description
- III. Education
  - A. Requirements
  - B. Types of Programs
- IV. Certification

- A. Levels
- B. Process
- C. Qualifications
- V. American Society of Anesthesia Technicians and Technologists (ASATT)
  - A. Description
  - B. Function
  - C. Publications
  - D. Continuing Education
- VI. Anesthesia Care Team
  - A. Anesthesiologist
  - B. Certified Registered Nurse Anesthetist (CRNA)
  - C. Operating Room (OR) Personnel
- VII. Healthcare Team Members and Roles
  - A. Physician
  - B. Nurse Practitioners and Physician Assistants
  - C. Nurses
  - D. Physical Therapist (PTA and PT)
  - E. Occupational Therapy (OTA and OT)
  - F. Speech Therapist
  - G. Respiratory Therapist
  - H. Social Workers
  - I. Supportive Personnel
- VIII. Professionalism
  - A. Working with Internal Customers
  - B. Working with Customers Outside the OR
- IX. Communication
  - A. Patient
  - B. Interprofessional
- X. Introduction to Patient Care
  - A. Diversity
  - B. Spirituality
- XI. Anesthesia Care Planning

### **Course Requirements**

An overall grade of C (70%) or higher is required for satisfactory completion of the course.

Grading procedures will be determined by the individual faculty member but will include the following:

### **Grading/Exams:**

- A minimum of three theory examinations
- A minimum of three quizzes

Written Assignments: Students are required to use appropriate academic resources.

- Minimum of two writing assignments such as: anesthesia individualized care plan and paper on topic relevant to course.
- Citations are based on the American Psychological Association (APA) format.

Revised: 6/17/19