

SURGICAL TECHNOLOGY (512)

512-125 - Intro to Surgical Technology

Provides the foundational knowledge of the occupational environment. Principles of sterilization and disinfection are learned. Surgical instruments are introduced. Preoperative patient care concepts are simulated. Lab practice is included. (Prerequisites: 806-177 General Anatomy and Physiology. Completion of or concurrent enrollment in 103-159 Computer Literacy – Microsoft Office; 501-101 Medical Terminology; 890-101 College 101)

4 Credit hours

54 Lecture hours

36 Lab hours

512-126 - Surgical Technology Fundamentals 1

Focuses on preparing the patient and operating room for surgery. Principles of sterile technique are emphasized as the student moves into the scrub role. Lab practice is included. (Prerequisites: Completion of or concurrent enrollment in 501-101 Medical Terminology; 512-125 Introduction to Surgical Technology; 806-179 Advanced Anatomy and Physiology)

4 Credit hours

54 Lecture hours

36 Lab hours

512-127 - Exploring Surgical Issues

Explores a variety of issues related to surgical technology. Emphasizes becoming a professional member of the surgical team. (Prerequisites: Completion of or concurrent enrollment in 512-125 Introduction to Surgical Technology; 512-126 Surgical Technology Fundamentals 1)

2 Credit hours

36 Lecture hours

512-128 - Surgical Technology Fundamentals 2

Focuses on enhancing surgical technology skills while functioning as a sterile team member. Includes lab and/or clinical practice. (Prerequisites: 501-101 Medical Terminology; 512-125 Introduction to Surgical Technology; 512-126 Surgical Technology Fundamentals 1. Completion of or concurrent enrollment in 512-127 Exploring Surgical Issues; 512-129 Surgical Pharmacology; 806-197 Microbiology)

4 Credit hours

36 Lecture hours

72 Lab hours

512-129 - Surgical Pharmacology

Basic study of drug classifications, care and handling of drugs and solutions, application of mathematical principles in dosage calculations, terminology related to pharmacology, anesthesia, and drugs used in surgery. (Prerequisites: Completion of or concurrent enrollment in 512-125 Introduction to Surgical Technology, 512-126 Surgical Technology Fundamentals 1)

2 Credit hours

36 Lecture hours

512-130 - Surgical Skills Application

Provides a transition from the academic to the clinical setting. Students integrate the surgical technologist skills as they apply to various surgical procedures. (Prerequisites: 512-125 Introduction to Surgical Technology; 512-126 Surgical Technology Fundamentals 1. Completion of or concurrent enrollment in 512-128 Surgical Technology Fundamentals 2; 512-129 Surgical Pharmacology)

2 Credit hours

72 Lab hours

512-131 - Surgical Interventions 1

Provides the foundational knowledge of surgical core and specialty procedures. Examines the pathophysiology, diagnostic interventions, health sciences and surgical techniques for a variety of procedures.

(Prerequisites: 512-128 Surgical Technology Fundamentals 2; 512-130 Surgical Skills Application)

4 Credit hours

72 Lecture hours

512-132 - Surgical Technology Clinical 1

Apply basic surgical theories, principles and procedural techniques in the operating room. Students begin to function as team members under the guidance of the instructor and authorized clinical personnel. (Prerequisites: 512-128 Surgical Technology Fundamentals 2; 512-130 Surgical Skills Application. Completion of or concurrent enrollment in 512-131 Surgical Interventions 1. Health requirements; criminal background check; CPR)

3 Credit hours

216 Other hours

512-133 - Surgical Technology Clinical 2

Further experience in a clinical setting allows students to continue to improve technical skills while accepting more responsibilities during surgical procedures. (Prerequisites: 512-132 Surgical Technology Clinical 1. Completion of or concurrent enrollment in 512-131 Surgical Interventions 1. Health requirements; criminal background check; CPR)

3 Credit hours

216 Other hours

512-135 - Surgical Technology Clinical 3

Further experience in a clinical setting allows the student to continue to improve technical skills while accepting more responsibilities during surgical procedures. (Prerequisites: 512-133 Surgical Technology Clinical 2. Completion of or concurrent enrollment in 512-142 Surgical Interventions II or 512-134 Surgical Interventions 2. Health requirements; criminal background check; CPR)

3 Credit hours

216 Other hours

512-136 - Surgical Technology Clinical 4

During this clinical course, the student will function relatively independently. Serves as a transition from a student perspective to an employee by utilizing advanced skills for an entry-level Surgical Technologist. (Prerequisites: 512-135 Surgical Technology Clinical 3. Completion of or concurrent enrollment in 512-142 Surgical Interventions II or 512-134 Surgical Interventions 2. Health requirements; criminal background check; CPR)

3 Credit hours

216 Other hours

512-142 - Surgical Interventions II

Expands knowledge of core and specialty surgical procedures by incorporating pathophysiology, diagnostic interventions, health sciences, and surgical techniques. (Prerequisites: 512-131 Surgical Interventions 1; 512-133 Surgical Technology Clinical 2. Completion of or concurrent enrollment in 512-135 Surgical Technology Clinical 3; 512-136 Surgical Technology Clinical 4)

4 Credit hours

72 Lecture hours