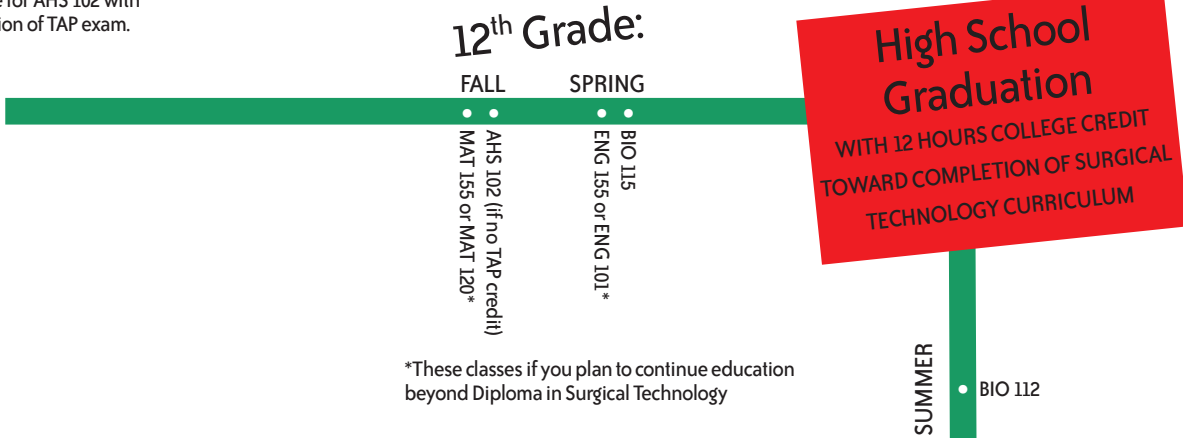




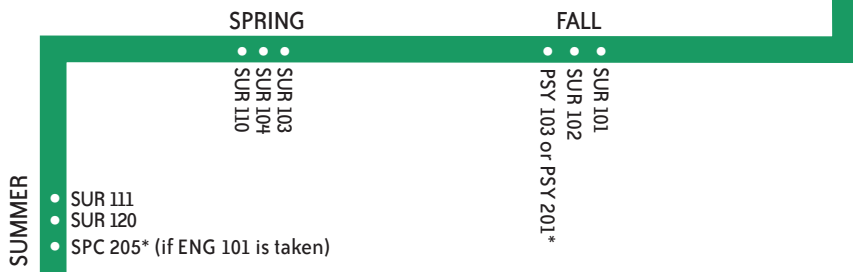
CAREER PATHWAYS FOR SUCCESS

A DUAL ENROLLMENT CAREER PATHWAY FOR SURGICAL TECHNOLOGY

For Health Science Technology students:
TAP credit available for AHS 102 with successful completion of TAP exam.



*These classes if you plan to continue education beyond Diploma in Surgical Technology



SURGICAL TECHNOLOGY DIPLOMA

| EXIT NOW | |
|--------------|-------------|
| Local Annual | ENTRY-LEVEL |
| | \$30,000 |
| | MEDIAN |
| | \$38,000 |
| National | MEDIAN |
| | \$45,000 |

Graduate from High School with 12 Hours of College Credit

- Take your dual enrollment courses at one of TCTC's campuses alongside college students or at a college site in your school district.
- Get a head start on your Surgical Technology (SUR) program by completing some or all SUR general education courses while still in high school.
- Be ready to begin SUR courses in the fall and graduate with your Surgical Technology Diploma in 4 terms.
- Upon completion of the SUR program, become a Certified Surgical Technologist after passing the NBSTSA (National Board of Surgical Technology and Surgical Assisting) certification exam.
- As a CST (Certified Surgical Technologist), qualify for employment with hospitals, physician offices, or outpatient surgery centers.
- The Bureau of Labor Statistics estimates the number of Surgical Technologists employed in this region is expected to increase by 5.4% over the next four years.

COURSE DESCRIPTIONS

The Surgical Technology program prepares students to perform various duties during surgery, by assisting in the maintenance of an aseptic environment through a system of specific techniques and practices. The technologist contributes to overall patient care as part of the surgical team by passing equipment and instruments to the surgeon, assisting the surgeon, selecting instruments for surgical cases, setting up cases, and assisting the circulatory personnel intraoperatively. Surgical Technologists may find employment in hospitals, clinics, or physicians' offices. Hospital employment areas include operating and emergency rooms, labor and delivery, endoscopy units, central sterile processing areas, and ambulatory surgery centers.

AHS 102 - Medical Terminology

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course covers medical terms, including roots, prefixes and suffixes, with emphasis on spelling, definition, and pronunciation.

BIO 112 - Basic Anatomy and Physiology

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course is a basic integrated study of the structure and function of the human body. Topics include the anatomy and physiology of cells, tissues, organs, and systems. Laboratory requirement supplements lectures.

Prerequisites: BIO 101, BIO 105 or BIO 113 with a grade of C or better or permission of the department head.

Note: Credit may not be earned for both BIO 112 and BIO 210. This course will not satisfy any Associate of Science requirements.

BIO 115 - Basic Microbiology

Class Hours: 2 Lab Hours: 3 Credit Hours: 3

This is a general course in microbiology, including epidemiology, presence, control, and identification of microorganisms. The microorganisms studied will include bacteria, fungi, and viruses. Laboratory requirement supplements lectures.

Prerequisites: Completion of BIO 105 or BIO 101 with a grade of C or better.

Note: Credit may not be earned for both BIO 115 and BIO 225. This course will not satisfy any Associate of Science requirements.

ENG 101 - English Composition I

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This is a (college transfer) course in which the following topics are presented: a study of composition in conjunction with appropriate literary selections, with frequent theme assignments to reinforce effective writing. A review of standard usage and the basic techniques of research are also presented.

Prerequisites: Satisfactory Writing placement score or a grade of C or higher in ENG 100 or in ENG 155 and satisfactory Reading placement score or a grade of C or higher in RDG 100.

ENG 155 - Communications I

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course introduces the principles of expository writing and public speaking through practice and development of communication skills.

Prerequisites: Satisfactory Writing placement score or grade of C or higher in ENG 032 and satisfactory Reading placement score or a grade of C or higher in RDG 100.

Note: This course cannot be used for an AA or AS degree.

MAT 155 - Contemporary Mathematics

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes techniques and applications of the following topics: elementary number theory; algebra; geometry; measurement; graph sketching and interpretations, and descriptive statistics.

Prerequisites: Satisfactory math placement score or MAT 032 with a grade of C or better.

Note: This course cannot be used for an AA or AS degree.

PSY 103 - Human Relations

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course is a study of human relations, including the dynamics of behavior, interrelationships, and personality as applied in everyday life.

PSY 201 - General Psychology

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course includes the following topics and concepts in the science of behavior: scientific method, biological bases for behavior, perception, motivation, learning memory, development, personality, abnormal behavior, therapeutic techniques, and social psychology.

Prerequisites: Reading and writing placement scores for ENG 101 or completion of ENG 100, ENG 101, or ENG 155 with a grade of C or higher. BIO 101 strongly recommended.

SPC 205 - Public Speaking

Class Hours: 3 Lab Hours: 0 Credit Hours: 3

This course is an introduction to principles of public speaking with application of speaking skills.

Prerequisites: A grade of C or higher in ENG 101 or in ENG 103 or in ENG 155 or in ENG 156.

SUR 101 - Introduction to Surgical Technology

Class Hours: 4 Lab Hours: 3 Credit Hours: 5

This course includes a study of the surgical environment, team concepts, aseptic technique, hospital organization, basic instrumentation and supplies, sterilization, principles of infection control, and wound healing.

Prerequisites: A grade of C or above in BIO 112, BIO 115, and AHS 102.

SUR 102 - Applied Surgical Technology

Class Hours: 4 Lab Hours: 3 Credit Hours: 5

This course covers the principles and application of aseptic technique, the perioperative role, and medical/legal aspects.

SUR 103 - Surgical Procedures I

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course is a study of a system to system approach to surgical procedures and relates regional anatomy, pathology, specialty equipment, and team responsibility. Patient safety, medical/legal aspects, and drugs used in surgery are emphasized.

Corequisite: SUR 104.

SUR 104 - Surgical Procedures II

Class Hours: 3 Lab Hours: 3 Credit Hours: 4

This course is a study of the various specialties of surgical procedures.

Corequisite: SUR 103.

SUR 110 - Introduction to Surgical Practicum

Class Hours: 0 Lab Hours: 15 Credit Hours: 5

This course is an introduction to the application to surgical techniques by assisting in the perioperative roles in various clinical affiliations.

SUR 111 - Basic Surgical Practicum

Class Hours: 2 Lab Hours: 15 Credit Hours: 7

This course includes the application of theory under supervision in the perioperative role in various clinical affiliations.

SUR 120 - Surgical Seminar

Class Hours: 2 Lab Hours: 0 Credit Hours: 2

This course includes the comprehensive correlation of theory and practice in the perioperative role.

Prerequisites: SUR 104.

SUR 120 - Surgical Seminar

Class Hours: 2 Lab Hours: 0 Credit Hours: 2

This course includes the comprehensive correlation of theory and practice in the perioperative role.

Prerequisites: SUR 104