Surgical Technology, A.A.S.

HEGIS: 5211.00
PROGRAM CODE: 29509
PROGRAM DIRECTOR: Prof. Beata Monsanto

DEPARTMENT: ALLIED HEALTH, MENTAL HEALTH AND HUMAN SERVICES

The Surgical Technology AAS degree prepares students with the professional training and hands-on experience for a career as a Surgical Technologist. The degree provides a balance of general education courses and introduces students to the theory and practice of Surgical Technology and Perioperative practice through classroom, laboratory, and clinical experiences. The curriculum prepares students to function as crucial members of the surgical team and demonstrate knowledge of anatomy and physiology, medical terminology, aseptic techniques, surgical procedures and instrumentation, and the professional and ethical responsibilities of the surgical technologist. Students are prepared to recognize the variety of a patient's needs and the impact of personal, physical, emotional, and cultural experiences in patient interaction, care, and treatment. Students are eligible for licensure exam(s) after the successful completion of the course of study presented in this degree program.

The curriculum presented here applies to students who started the major in Fall 2025 or Spring 2026. If you enrolled as a matriculant prior to that, please see the *College Catalog* for the year you started the major as a matriculant for the curriculum requirements that apply to you.

Consultation with the Program Advisor is required.

Degree Maps:

[Degree Map for Surgical Technology, A.A.S.](#)

Your Degree Map contains the suggested term-by-term course sequence for your academic path towards graduation.

To ensure successful and timely completion of your degree, it is recommended that you meet with your academic advisor to discuss your unique map.

Please note some courses *may* only be offered once an academic year.

Program Learning Outcomes:

Upon successful completion of the Surgical Technology degree program requirements, graduates will:

1. correlate the knowledge of medical terminology, surgical procedures, and anatomy and physiology to the student's role as a surgical technologist and recognize their relationship to safe patient care
2. understand the principles of safe patient care in the preoperative, intraoperative, and postoperative surgical settings
3. develop and apply fundamental surgical technology skills through practice and evaluation in the laboratory and clinical settings
4. accurately apply the principles of asepsis across the spectrum of common surgical experiences
5. recognize the variety of a patient's needs and the impact of their personal, physical, emotional, and cultural experiences
6. demonstrate professional responsibility in performance, attitude, and personal conduct in the classroom and clinical setting

College Requirements:

English and Math proficient as determined by the CUNY Proficiency Index, unless otherwise exempt, or successful completion of any required developmental course(s).

Civic Engagement Experiences:

One (1) Civic Engagement experience satisfied by Civic Engagement Certified or Civic Engagement Component course or approved outside activity.

Writing Intensive Requirement:

One (1) Writing Intensive Course in any discipline is required.

Required Core (4 Courses, 13 Credits):

When Required Core Courses are specified for a category, they are required for the major
- ENG 1200 - Composition I 3 Credit(s)
- ENG 2400 - Composition II 3 Credit(s)
- **Mathematical & Quantitative Reasoning Course 3 Credit(s)**
- **Life & Physical Sciences Course***
   - BIO 1100 - Human Anatomy and Physiology I 4 Credit(s)

Flexible Core (4 Courses, 13 Credits):

When Flexible Core Courses are specified for a category, they are required for the major. Group D and E are satisfied by the courses shown:

D. Individual and Society Designated Course

- PHI 7600 - Ethics and Morality in the Health Professions 3 Credit(s)
- SOC 3100 - Introduction to Sociology 3 Credit(s)

E. Scientific World Designated Course*

- PSY 1100 - General Psychology 3 Credit(s)
- BIO 1200 - Human Anatomy and Physiology II 4 Credit(s)

Major Requirements (13 Courses, 38 Credits):

- BIO 5100 - Microbiology in Health and Disease 4 Credit(s)
- ST 990 - Integrated Healthcare Sciences and Medical Terminology 3 Credit(s)
- ST 100 - Surgical Technology I 3 Credit(s)
- ST 200 - Surgical Technology II 3 Credit(s)
- ST 2P00 - Surgical Technology II Laboratory Component 3 Credit(s)
- ST 300 - Surgical Technology III 3 Credit(s)
- ST 3P00 - Practicum I 2 Credit(s)
- ST 400 - Surgical Procedures 3 Credit(s)
- ST 4P00 - Practicum II 2 Credit(s)
- ST 500 - Advanced Surgical Procedures 3 Credit(s)
- ST 5P00 - Practicum III 3 Credit(s)
- ST 600 - Professional Strategies for the Surgical Technologist 3 Credit(s)
- ST 6P00 - Practicum IV 3 Credit(s)

Electives:

0 credits sufficient to meet required total of 64 credits

Notes:

* This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.

The Certified Surgical Technologist (CST) to Associate of Applied Science (AAS) Bridge Program is designed specifically for the practicing CST. Active Certified Surgical Technologist's receive credit for ST 990, ST 100, ST 200, ST 2P00, ST 300, ST 3P00, ST 400, ST 4P00, ST 500, ST 5P00, ST 600, and ST 6P00 (34-credits), and will complete 30-credits of General Education requirements. Students who have a national certification for sterile processing may be eligible to receive credit for ST 990.

The Surgical Technology Program of Kingsborough Community College is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon

the recommendation of the Accreditation Review Council on Education In Surgical Technology and Surgical Assisting (www.arcstsa.org).

Total Credits: 64

THE A.A.S. IN SURGICAL TECHNOLOGY HAS A LIMITED NUMBER OF SEATS AVAILABLE FOR ADMISSION EACH SEMESTER.

ALL FIRST-TIME FRESHMAN AND TRANSFER STUDENTS ARE ENROLLED AS LIBERAL ARTS (A.A.) STUDENTS TAKING A SEQUENCE OF COURSES WHICH, ONCE SATISFACTORILY COMPLETED, COULD LEAD TO ENTRANCE INTO THE SURGICAL TECHNOLOGY MAJOR.

The Surgical Technology Program provides the professional skills required for a career in health care. The program introduces the student to the theory and practice of Surgical Technology and Perioperative practice in the classroom, laboratory and actual clinical setting. Students are prepared to function as a professional member of the surgical team by demonstrating knowledge of aseptic techniques, surgical procedures and instrumentation. The learning environment for students facilitates the development of knowledge, skills and values for professional development. The students garner sufficient background to be able to assimilate the policies and procedures of any health care institution consistent with their scope of practice in New York State. Upon completion of the program, graduates are eligible to take the certification examination offered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

Career Opportunities

Surgical Technologists are crucial members of the surgical team. They are employed in hospital operating rooms, delivery rooms, cast rooms, ambulatory care units and central supply departments. They serve in clinics, ophthalmologists', physicians' and dentists' offices. With a broad educational background combined with the specialized focus they possess, Surgical Technologists function very well in diverse areas such as medical sales, product development and research, laser technology and bio-medical engineering.

Minimum Entrance Requirements

To be considered for the Surgical Technology Program, students must comply with the following:

1. Must be English and Math proficient as determined by the CUNY Proficiency Index, unless otherwise exempt, or have successfully completed any required developmental or corequisite model course(s).
2. Complete the following three courses, BIO 1100, ENG 1200, and ST 990 with a minimum grade point average of **2.40**. Students must earn a minimum grade of "B" in either BIO 1100 or ST 990 and **cannot** earn below a grade of "C" in any of these three courses.
3. The admissions process is a competitive process and not all applications are granted admission to the program. Top candidates participate in a formal interview with the Surgical Technology Faculty Panel.

In order to apply for the Surgical Technology program, the student must complete the Surgical Technology Program Application and submit to the Program Director. Applications are reviewed by the Program Director after final grades have been recorded for the semester. The Program Director will send a letter of acceptance of denial before the start of the semester in which the student applied.

Due to limited clinical site availability, enrollment in the Program is limited. Therefore, meeting the minimum grade requirements is not a guarantee of admission into the Surgical Technology Program.

Certified Surgical Technologists (CST) Bridge Program

Certified Surgical Technologists (CST) will receive credit for the required Surgical Technology courses, totaling 34 credits:

- ST 990, ST 100, ST 200, ST 2P00, ST 300, ST 3P00, ST 400, ST 4P00, ST 500, ST 5P00, ST 600, and ST 6P00.

CST's are responsible for completing the remaining Degree Requirements, totaling 30 credits, at Kingsborough Community College as per Residency Requirements:

- ENG 1200, ENG 2400, BIO 1100, BIO 1200, BIO 5100, PSY 1100, PHI 7600, SOC 3100, and Mathematical and Quantitative Reasoning (MQR) Course (3 credits).

Students who are CST's should contact the Program Director for additional information and certification.

Students who have a national certification for sterile processing may be eligible to receive credit for ST 990.

Retention Criteria

Criteria for retention in the Surgical Technology Program mandates that students:

1. Receive no more than two grades below "C" in any of the pre- or co-requisite courses, excluding ENG 1200, BIO 1100, and ST 990, in which students must earn a minimum grade of "B" in either BIO 1100 or ST 990 and cannot earn below a grade of "C" in any of these courses.
2. Earn a minimum grade of "C" in all remaining Surgical Technology courses.
3. Students earning less than a "C" grade in a Surgical Technology course may repeat the course one time (subject to space availability). The minimum grade for courses that are repeated is a "B."
4. A second earned grade of less than "C" in any Surgical Technology course will result in dismissal from the Program.

Any student who has not attended surgical technology courses for two or more consecutive semesters cannot be readmitted into the Surgical Technology Program unless qualifying

examinations have been passed in sequential order in the courses previously completed. In accordance with the retention criteria of the Nursing Department, these examinations can be repeated only once. In addition, the student must demonstrate clinical competency by passing a Clinical Practicum examination prior to returning to any of the clinical courses.

Practicum Courses

Following the successful completion of the first semester of the program, students will enroll in Practicum Courses and will participate in actual surgical procedures in the operating rooms at various clinical agencies.

Practicum Requirements

Course Completion:

The student must complete and achieve a grade of "C" in the following courses prior to placement in the first practicum:

- ENG 1200
- BIO 1100
- ST 990
- ST 100
- ST 200

Malpractice Insurance – Health Clearance – CPR Certification – Criminal Background Checks

Prior to registration, students entering Surgical Technology courses in which there are laboratory experiences in hospitals and other health agencies, are required to have malpractice insurance, health clearance and a CPR (BLS) certificate and a criminal background check. The insurance policy, CPR (BLS) certificate, and health clearance must be satisfactory for the entire semester. Information on CPR Certification is available in the Nursing Department Office. Information on health requirements is available from the Health Services Office, A-108. CUNY is now providing Surgical Technology students with malpractice insurance thus it is no longer necessary to purchase individual policies.

Notes:

a. **Information on obtaining CPR (BLS) certification and malpractice insurance is available in the**
b. **Allied Health, Mental Health and Human Services Department Office (C-206B).**
c. **Students incur the expenses of purchasing a lab coat and KCC patch and may opt to purchase individual protective goggles.**

d. **The academic requirements in the Surgical Technology curriculum are demanding and students are cautioned to plan their work schedules and extra-curricular activities with this in mind.**