



Surgical Technology

Associate Degree Program



About

The **Surgical Technology Program** at Great Bay Community College is the only Associate in Science degree program in the area. The program is accredited by the Accreditation Review Committee on Education in Surgical Technology – a collaborative effort of the Association of Surgical Technologists and the American College of Surgeon, under the auspices of the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and approved by the Association of Surgical Technologists (AST). The goal of the program is to prepare competent entry-level surgical technologists with the cognitive (knowledge), psychomotor (skills), and affective (behavior) domains needed to be successful in their careers. Prior to graduation, students will sit for the national certification exam by taking a nationally administered written exam through the National Board of Surgical Technology and Surgical Assisting (NBSTSA).*

Surgical technologists are highly skilled members of the surgical team qualified by classroom education and supervised clinical experience. They work closely with the surgeon, anesthesiologist, registered nurse, and other surgical personnel to deliver the highest level of care for the surgical patient before, during, and after surgery. Surgical technologist work under the supervision of a surgeon to facilitate the safe and effective conduct of surgical procedures, ensuring that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety. Surgical technologists possess expertise in the theory and application of sterile and aseptic technique and combine the knowledge of human anatomy, surgical procedures, and implementation of tools and technologies to facilitate a physician's performance of invasive therapeutic and diagnostic procedures.

Surgical technologists have an understanding of the procedure being performed and anticipate the needs of the surgeon. They have the necessary knowledge and ability to ensure quality patient care before and during the operative procedure and are constantly on vigil for maintenance of the sterile field. The surgical technologist handles the instruments, supplies, and equipment necessary during the surgical procedure. Duties include setting up a sterile field, gowning and gloving other sterile team members, maintaining the highest standard of sterile technique during procedure, and assisting the surgeon during surgery. With advanced training, surgical technologists may become first assistants who assist in complex surgical procedures such as open heart surgery. With additional education, they may become surgical nurses or instructors. Some surgical technologists assume management positions in hospital central supply departments or business firms such as sterile-supply services and operating-room equipment distributions.

Surgical Technology Students will be able to:

- Incorporate knowledge of Anatomy and Physiology, Pathophysiology, and Microbiology into the practice of surgical technology.
- Assess at appropriate levels for progress in the program.
- Demonstrate surgical and aseptic safe practice at all times. Recognize unsafe practice in all aspects and immediately report it, per hospital policy.
- Practice at all times with a surgical conscience.
- Apply ethical, legal, moral and medical values related to the patient and or team during all levels of the perioperative procedure.
- Understand elements, actions, and use of all medications, anesthetic agents used during perioperative procedure.
- Perform in sequence all perioperative requirements.
- Understand, value, and demonstrate professional attributes of a surgical technologist.
- Implement actions, behaviors, decisions and characteristics/qualities of a surgical technologist:
 - Psychomotor – skill
 - Cognitive – learned
 - Affective – behavior domains

If at any time during the program the student does not demonstrate/practice the above, they may be placed on suspension from the program with the possibility of not being readmitted to the program. Also, if at any time the student demonstrates unethical practices or does not follow the College's Code of Ethics, the student will be suspended from the program and will not be readmitted to the program.

Admissions Requirements:

1. Complete an application to the program.
2. Provide an official copy of high school transcripts or GED.
3. Provide proof of completion of high school biology, or equivalent with a grade of "C" or greater or proof of registration in a course with a projected completion date of August 30th of the current year. Computer background strongly recommended.
4. Place into college level Math, Reading and Writing or demonstrate equivalent competencies through a college transcript or SAT scores.

Occupations/ Outlook Trends

For more information about the outlook and trends for the Surgical Technology industry please visit:

<http://www.bls.gov>

Why Surgical Technology at Great Bay?

- The Surgical Technology program is the only Associate program in the area, and credits are transferrable to well-known universities.
- The program is affiliated with local area hospitals that provide excellent hands on clinical experiences, all students graduate with approximately 300 cases, and over 900 hours of clinical time.
- Surgical Technology program graduates sit for the National Board of Surgical Technology and Assisting Surgical certification exam, recognized throughout the United States, as the preferred certification exam.

How Much Can I Expect to Earn?

To learn more about potential earnings visit:
Bureau of Labor Statistics
Occupational Outlook Handbook:

<http://www.bls.gov/oco>



Great Bay
Community College

320 Corporate Drive. Portsmouth, NH 03801
603.427.7600



Student Name: _____
Student ID #: _____
Beginning Semester: _____



YOUR PATHWAY TO AN ASSOCIATE DEGREE
This **ACADEMIC MAP** keeps you on track to graduate in two years

DEGREE PROGRAM - FIRST YEAR

Fall Semester

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
SURG118G	Introduction to Surgical Technology Fundamentals Theory	Admission to Surg Tech (p) AHLT110G, BIOL110G, SURG119G, SURG115G and MATH145G/147G (c)	6			
SURG119G	Introduction to Surgical Technology Fundamentals Lab	Admission to Surg Tech (p) AHLT110G, BIOL110G, SURG118G, SURG115G and MATH145G/147G (c)	1			
SURG115G	Basic Instruments, Supplies and Equipment)	Admission to Surg Tech (p) SURG118G and SURG119G (c)	1			
AHLT110G	Medical Terminology		3			
BIOL110G	Human Anatomy & Physiology I	Placement into MATH145G/147G or MATH150G/152G or higher, and placement into college-level reading, and C or better in high school Bio or BIOL041G (p) (C or better in high school CHEM or CHEM043G recommended)	4			
MATH145G/147G	Topics in Applied College Mathematics (Plus)	Placement testing or C or better in MATH080G (p)	4-5			
<i>Total Semester Credits</i>			19-20			

Spring Semester

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
SURG116G	Advanced Instruments, Supplies and Equipment	Admission to Surg Tech, C or better in SURG115G, SURG118G, and SURG119G (p) SURG121G and SURG122G (c)	1			
SURG121G	Surgical Procedures I Theory	Admission to Surg Tech, C or better in AHLT110G, SURG115G, SURG118G, and SURG119G (p) SURG116G and SURG122G (c)	3			
SURG122G	Surgical Procedures I Lab	Admission to Surg Tech, C or better in AHLT110G, SURG115G, SURG118G, and SURG119G (p) SURG116G and SURG121G (c)	1			
BIOL120G	Human Anatomy & Physiology II	C or better in BIOL110G (p)	4			
ENGL110G	College Composition	Placement testing or C or better in ENGL099G (p)	4			
PSYC110G	Introduction to Psychology		3			
<i>Total Semester Credits</i>			16			

Summer Semester

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
SURG123G	Orientation to Surgical Clinical Equipment	Admission to Surg Tech and C or better in SURG116G, SURG121G and SURG122G (p)	2			
<i>Total Semester Credits</i>			2			

Course expectations include computer work. Students unfamiliar with computers are encouraged to take the Accuplacer Assessment in Computer Literacy or take Introduction to Computers (CIS110G) (or CIS107G) before entering the program. Upon acceptance, applicants must participate in an operating room tour at a hospital affiliated with the program. This experience will be under the supervision of the program director or designee and will occur prior to the start of the fall semester. Specific dates will be provided to each student.

SUCCESS STRATEGIES

- Take English and Math in your first semester.
- Explore Transfer opportunities.
- Consider Summer courses to catch up or get ahead.
- Check your student email daily.
- Meet with your Academic Advisor every semester.
- Take advantage of Tutoring Services.
- Maintain an overall GPA of 2.0 to graduate.



Student Name: _____

Student ID #: _____

Beginning Semester: _____



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DEGREE PROGRAM - SECOND YEAR

Fall Semester

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
SURG210G	Surgical Procedures II	Admission to Surg Tech, pass SURG123G and C or better in MATH145G/147G and BIOL110G (p) SURG215G (c)	3			
SURG215G	Surgical Clinical I	Admission to Surg Tech, pass SURG123G and C or better in MATH145G/147G and BIOL110G (p) SURG210G (c)	8			
BIOL210G	Microbiology	C or better in BIOL108G or BIOL110G (p)	4			
<i>Total Semester Credits</i>			15			

Spring Semester

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
SURG224G	Surgical Procedures III/Special Considerations	Admission to Surg Tech, pass SURG215G and C or better in SURG210G, BIOL120G and BIOL210G (p) SURG225G (c)	4			
SURG225G	Surgical Clinical II	Admission to Surg Tech, pass SURG215G and C or better in SURG210G, BIOL120G and BIOL210G (p) SURG224G (c)	8			
English Elective	English Elective		3			
Foreign Language/ Humanities/Fine Arts Elective	Foreign Language/Humanities/Fine Arts Elective		3			
<i>Total Semester Credits</i>			18			
Total Credits			70-71			

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