

## Surgical Technology, AAS

### School of Health Professions

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#### Program Description

Surgical Technologists are allied health professionals who are an integral part of the team of medical practitioners providing surgical care to patients in a variety of settings such as medical offices, out-patient clinics, and the operating room. The program prepares competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Students who have completed program requirements may sit for the certifying examination offered by the National Board on Certification for Surgical Technology and Surgical Assisting (NBSTSA).

**This is a special admission program. Please see the college catalog for details.**

#### Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Communicate Effectively
- Read and listen with comprehension.
- Speak and write clearly using Standard English.
- Interact cooperatively with others using both verbal and non-verbal means.
- Demonstrate information processing through basic computer skills.
- Think Critically
- Make connections in learning across the disciplines and draw logical conclusions.
- Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
- Use mathematics to organize, analyze, and synthesize data to solve a problem.
- Learn Independently
- Use appropriate search strategies and resources to find, evaluate, and use information.
- Make choices based upon awareness of ethics and differing perspectives/ideas.
- Apply learning in academic, personal and public situations.
- Think creatively to develop new ideas, processes, or products.
- Examine Relationships in Diverse and Complex Environments
- Recognize the relationship of the individual to human heritage and culture.
- Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
- Develop an awareness of self as an individual member of a multicultural global community.
- Correlate the knowledge of anatomy, physiology, pathophysiology, and microbiology to their role as a Surgical Technologist.
- Demonstrate a safe and professional level of practice and knowledge in their role as a Surgical Technologist.
- Explain the ethical, legal, moral, and medical values related to the patient and the surgical team during the perioperative experience.
- Correlate the elements, action, and use of medications and anesthetic agents used during the perioperative experience
- Implement safe practice techniques in regards to perioperative routines, patient transportation, positioning, and emergency procedures.
- Integrate principles of surgical asepsis as part of the perioperative experience.
- Accurately apply knowledge and skills of a professional Surgical Technologist to address the biopsychosocial needs of the surgical patient.
- Perform proficiently and competently as an entry-level surgical technologist in the cognitive, psychomotor, and affective learning domains
- Demonstrate the professional attributes of the Surgical Technologist

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Sugg. Term	Seq #	Course ID	Course Title	Cr	Prereq/Coreq(Co)	Options Available
1st Fall	1	PDV 101	First Year Seminar	1		
	2	ALH 122	Medical Terminology	3		
	3	BIO 171	Anatomy and Physiology I	4	CHM 107, CHM 150/151, CHM 225 or HS Chemistry (C or better) and ENG 095 or Placement	
	4	MTH 104	Introduction to Applied Mathematics	4	MTH 050 or Placement	Page 47 Column IV
	5	ENG 161	College Writing	3	ENG 085 or Placement; Co: ENG 095 or ENG 099 or Placement	
1st Spring	6	BIO 172	Anatomy and Physiology II	4	BIO 171 with a "C" or better	
	7	ENG 164	Advanced Composition	3	ENG 161	
	8	CPT 150	Microcomputer Concepts	3		
	9	PSY 160	General Psychology	3		
1st Summer	10	BIO 265	Microbiology	4	BIO 155 or BIO 171 and CHM 107, CHM 160/161, CHM 225 or HS Chemistry (C or better), ENG 095 or Placement	
2nd Fall	11	SGT 100	Fundamentals of Surgical Technology	12	Minimum of a "C" in ALH 122, BIO 171, BIO 172, BIO 265	
	12	SGT 101	Fundamentals of Surgical Technology Lab	3	Minimum of a "C" in ALH 122, BIO 171, BIO 172, BIO 265	
	13	SGT 110	Surgical Pharmacology Principles	2	Minimum of a "C" in ALH 122, BIO 171, BIO 172, BIO 265	
	14	SGT 115	Surgical Technology Skills Practicum	3	SGT 101	
2nd Spring	15	SGT 200	Advanced Surgical Technology Theory	9	Minimum of a "C" in SGT 100, SGT 110, SGT 115	
	16	SGT 205	Advanced Surgical Technology Practicum	7	Minimum of a "C" in SGT 100, SGT 110, SGT 115	

Minimum Program Credits

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SGT