SURGICAL TECHNOLOGY A.A.S. (CAREER)

Program website (https://www.frederick.edu/programs/healthcare/surgical-technology.aspx)

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Program Description

Provides the theory and skills essential for employment in the profession of surgical technology. The fundamental principles, practices, and protocols are applied during extensive clinical experiences in the operating room environment. Accreditation from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) program graduates to apply for the national certifying examination in surgical technology.

Enrollment is limited. See the Surgical Technology section under Special Programs of Study (https://frederick-public.courseleaf.com/admission/special-programs-study/) for application information.

A grade of "C" or better must be earned in all courses.

Program Learning Outcomes

- Demonstrate ability to comprehend, apply, and evaluate information pertinent to the practice of surgical technology (cognitive domain).
- Perform, independently, skills required for employment as an entry-level practitioner (psychomotor domain).
- Exhibit professional behaviors consistent with college and employer standards for a surgical technologist (affective domain).

Program Requirements

- Students must complete their credit **English and Mathematics** within the first 24 credits.
- One course must meet the cultural competence graduation requirement (https://frederick-public.courseleaf.com/general-education-core/#cultural).
- **CORE: The General Education CORE** is that foundation of the higher education curriculum providing a coherent intellectual experience for all students. Students should check with an advisor or the transfer institution (ARTSYS) before selecting General Education CORE requirements. http://artsys.usmd.edu/
- In some General Education categories (Mathematics, Biological & Physical Sciences), a 4-credit course selected from the GenEd course list will satisfy the requirement in place of a 3-credit course. Students should check with an advisor before selecting these courses.
- For the Physical Education, Health, or Nutrition requirement, a 3-credit PHED, HLTH, or NUTR course may satisfy the requirement in place of a 1-credit course. Students should check with an advisor before selecting this course.
- Students must earn a grade of "C" or better in ENGL 101 English Composition.
- Students must earn a grade of "C" or better in all courses in the Surgical Technology program.

Code	Title	Credits
English		
ENGL 101	English Composition	3
Mathematics		
MATH 120	Statistics (or higher MATH course)	3
	Select MATH 120 or higher from the Mathematics Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#mathematics)	
Social & Behavioral Sciences		
PSYC 101	General Psychology	3
or SOCY 101	Introduction to Sociology	
Arts & Humanities		
	Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication) (COMM required)	3
Biological & Physical Sciences		
BSCI 201	Anatomy and Physiology I [1]	4
BSCI 202	Anatomy and Physiology II	4
Physical Education, Health, or Nutrition Requirement		
	Select one PHED, HLTH, or NUTR course	1
Departmental Requirements		
MEDA 108	Basic Medical Terminology	1
or MEDA 109	Medical Terminology	
SURG 120	Surgery Essentials	3
SURG 125	Fundamentals of Surgical Technology I	6
SURG 130	Introduction to Surgical Technology (satisfies cultural competence requirement)	6
SURG 135	Fundamentals of Surgical Technology II	5
SURG 200	Fundamentals of Surgical Technology III	6
SURG 205	Fundamentals of Surgical Technology IV	6
Electives [1,2]		6
Total Credits		60

[1]

BSCI 55 Preparation for Allied Health, a 0-credit preparatory science course, can be taken as a prerequisite for BSCI 201 Anatomy and Physiology I, but cannot be used to satisfy the elective credit. Students should consult an advisor to select the appropriate course.

[2]

Electives may include a 4-credit prerequisite course (BSCI 150 Principles of Biology I or CHEM 101 General Chemistry I) taken prior to enrolling into BSCI 201 Anatomy and Physiology I.

Transfer Note

For more information on careers and transfer, contact the Career and Academic Planning Services office at 301.846.2471 or visit Transfer Services (https://www.frederick.edu/student-resources/counseling-advising/transfer-services.aspx).

Guided Pathway to Success (GPS)

Suggested schedules map your path to degree completion.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 for advising.

Fall Cohort

Recommended First Semester		Credits
Pre-admission – Recommended Fall Courses [1]		
ENGL 101	English Composition [2]	3
	Mathematics Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#mathematics) [2]	3-4
MATH 120	Statistics (or higher required)	

Select one of the following: [3,4]		0-4
BSCI 55	Preparation for Allied Health	
BSCI 150	Principles of Biology I	
CHEM 101	General Chemistry I	
Select one of the following:		1-3
MEDA 108	Basic Medical Terminology	
MEDA 109	Medical Terminology	
Elective (consult advisor)		3
	Credits	10-17
Recommended Second Semester		
Pre-admission - Recommended Spring Courses [1]		
BSCI 201	Anatomy and Physiology I	4
Select one of the following:		3
PSYC 101	General Psychology	
SOCY 101	Introduction to Sociology	
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication) (COMM required) (consult advisor)		3
Physical Education, Health, or Nutrition Requirement (consult advisor)		1
	Credits	11
Recommended Third Semester		
Pre-admission – Recommended Summer Courses [1]		
BSCI 202	Anatomy and Physiology II	4
Elective		3
	Credits	7
Recommended Fourth Semester		
Fall		
SURG 120	Surgery Essentials (with lab)	3
SURG 125	Fundamentals of Surgical Technology I (with lab and clinicals)	6
SURG 130	Introduction to Surgical Technology (satisfies Cultural Competence requirement (https://frederick-public.courseleaf.com/general-education-core/#cultural))	6
	Credits	15
Recommended Fifth Semester		
January Session		
SURG 135	Fundamentals of Surgical Technology II (with lab and clinicals)	5
	Credits	5
Recommended Sixth Semester		
Spring		
SURG 200	Fundamentals of Surgical Technology III (with lab and clinicals)	6
SURG 205	Fundamentals of Surgical Technology IV (with lab and clinicals)	6
	Credits	12
	Total Credits	60-67

1

The first three recommended semesters consist of pre-admission courses to be completed prior to acceptance into the selective admission Surgical Technology A.A.S. degree program. In consultation with an advisor, students should follow the Pre-Health Professions: Pre-Surgical Technology pathway prior to acceptance into the Surgical Technology A.A.S. program. Upon acceptance into the Surgical Technology A.A.S. program, students should then follow this Surgical Technology A.A.S. pathway, also in consultation with an advisor.

2

Take this course within the first 24 credits.

3

Complete Prerequisite for BSCI 201 Anatomy and Physiology I.

4

Consult with advisor to select appropriate course or to select an elective.

Spring Cohort

Recommended First Semester		Credits
Pre-admission – Recommended Spring Courses [1]		
ENGL 101	English Composition [2]	3
Mathematics Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#mathematics) [2]		3-4
MATH 120	Statistics (or higher required)	
Select one of the following: [3,4]		0-4
BSCI 55	Preparation for Allied Health	
BSCI 150	Principles of Biology I	
CHEM 101	General Chemistry I	
Select one of the following:		1-3
MEDA 108	Basic Medical Terminology	
MEDA 109	Medical Terminology	
Elective (consult advisor)		3
	Credits	10-17
Recommended Second Semester		
Pre-admission – Recommended Summer Courses [1]		
BSCI 201	Anatomy and Physiology I	4
Select one of the following:		3
PSYC 101	General Psychology	
SOCY 101	Introduction to Sociology	
	Credits	7
Recommended Third Semester		
Pre-admission – Recommended Fall Courses [1]		
Communication Elective (Gen Ed course list) (https://frederick-public.courseleaf.com/general-education-core/#communication) (COMM required) (consult advisor)		3
Physical Education, Health, or Nutrition Requirement (consult advisor)		1
BSCI 202	Anatomy and Physiology II	4
Elective		3
	Credits	11
Recommended Fourth Semester		
Spring		
SURG 120	Surgery Essentials (with lab)	3
SURG 125	Fundamentals of Surgical Technology I (with lab and clinicals)	6
SURG 130	Introduction to Surgical Technology (satisfies Cultural Competence requirement (https://frederick-public.courseleaf.com/general-education-core/#cultural))	6
	Credits	15
Recommended Fifth Semester		
Summer		
SURG 135	Fundamentals of Surgical Technology II (with lab and clinicals)	5
	Credits	5
Recommended Sixth Semester		
Fall		
SURG 200	Fundamentals of Surgical Technology III (with lab and clinicals)	6
SURG 205	Fundamentals of Surgical Technology IV (with lab and clinicals)	6
	Credits	12
	Total Credits	60-67

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The first three recommended semesters consist of pre-admission courses to be completed prior to acceptance into the selective admission Surgical Technology A.A.S. degree program. In consultation with an advisor, students should follow the Pre-Health Professions: Pre-Surgical Technology pathway prior to acceptance into the Surgical Technology A.A.S. program. Upon acceptance into the Surgical Technology A.A.S. program, students should then follow this Surgical Technology A.A.S. pathway, also in consultation with an advisor.

2

Take this course within the first 24 credits.

3

Complete Prerequisite for BSCI 201 Anatomy and Physiology I.

4

Consult with advisor to select appropriate course.

Part-time Students

Part-time students should complete courses in the order listed on the pathway. Please contact program manager for questions about part-time status.

Students who take fewer than 15 credits each semester or who require developmental English or Math coursework will need additional semesters to complete their degrees. Summer term and January session classes may help students to make faster progress.

Pathway Legend

Milestone - courses with the Milestone notation should be taken within the recommend credit range to stay on track for program completion.

Fall, Spring, Summer - courses with a Fall, Spring, or Summer notation indicate the course is offered in the specified semester only.