

**IVY TECH COMMUNITY COLLEGE
SOUTH BEND/ ELKHART
SURGICAL TECHNOLOGY PROGRAM
2024-2025
SURGICAL TECHNOLOGY PROGRAM
INFORMATION PACKET**



IVY TECH

**COMMUNITY
COLLEGE**

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Ivy Tech Community College of Indiana

Dear Surgical Technology Applicant:

I am happy you are looking at this exciting and rewarding career and you are looking to expand your knowledge about the Surgical Technology program.

The goal of this program is to prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. This packet is developed to provide the most current information related to the procedures for admission to the Surgical Technology Program.

We will admit a limited number of students to this full-time, three semester, 62-credit hour Associate of Science degree program. The courses to be offered each semester are listed in the attached curriculum outline.

Ivy Tech Community College of Indiana is excited to be able to offer this program, for the first time in South Bend / Elkhart, for our students and the community. Please be aware that since this is a new program, there will be very limited positions. We strongly encourage you to seek information from Ivy Tech about alternative programs and future Surgical Technology classes by going to the Admissions Office where counselors are available to assist you.

Sincerely,
Susan Barrier, CST, AAS
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Ivy Tech Community College of Indiana
 School of Health Sciences
 ELKHART ADVISOR CHECKLIST
 SURGICAL TECHNOLOGY
 ASSOCIATE OF APPLIED SCIENCE

Student Name _____ Date Started _____
 Student ID/C # _____ Phone Number _____
 Date _____

<u>Course No.</u>	<u>Course Title</u>	<u>Credit</u>	<u>Prerequisite</u>	<u>Date Completed</u>
Semester I (Fall)				
APHY 101	Anatomy & Physiology I	3	ENGL 025, ENGL 032, MATH 050, 015, or 023	_____
HLHS 101	Medical Terminology	3	ENGL 025, ENGL 032	_____
ENGL 111	English Composition	3	ENGL 025, ENGL 032	_____
MATH 123/136	Math Elective	3	MATH 050, 015, Or 023	_____
Semester II (Spring)				
APHY 102	Anatomy & Physiology II	3	APHY 101, MATH 050, 015, or 023	_____
SURG 203	Surgical Pharmacology	3	HLHS 101, APHY 101, MATH 050, 015 or 023	_____
IVY 1XX	Life Skills	1	None	_____
Semester III (Summer)				
SOCI 111	Introduction to Sociology	3	ENGL 025, ENGL 032, MATH 044 or 015	_____
OR				
PSYC 101	Introduction to Psychology	3	ENGL 025, ENGL 032, MATH 044 or 015	_____
COMM 101	Fundamentals of Public Speaking	3	ENGL 025, ENG L032	_____
OR				
COMM 102	Intro to Interpersonal Comm.	3	ENGL 025, ENGL 032	_____

Semester IV (Fall 2nd 8 weeks)				
SURG 111	Fundamentals of Surg. Tech.	4	Program Chair Approval, APHY 101, MATH 1XX ENGL 111, HLHS 101 Coreq SURG 112	_____
SURG 112	Application of Surg. Fund.	2	Program Chair Approval, APHY 101, MATH 1XX, ENGL 111, HLHS 101 Coreq SURG 111	_____
Semester V (Spring 1st 8 weeks)				
SURG 113	Surgical Procedures I	3	SURG 111, SURG 112, APHY 102, SURG 203, Coreq SURG114, Program Chair approval	_____
SURG 114	Clinical Applications I	3	SURG111, SURG 112, APHY 102, SURG 203 Coreq SURG 113, Program chair approval	_____
Semester VI (Spring 2nd 8 weeks/Summer Session)				
SURG 211	Surgical Procedures II	6	SURG 113, SURG 114, COMM 101 OR COMM 102, PSYC 101 or SOCI 111 Coreq SURG 212	_____
SURG 212	Clinical Applications II	9	SURG 113, SURG114, COMM 101 OR COMM 102, PSYC 101 or SOCI 111 Coreq SURG 211	_____
Semester VII (Fall 1st 8 weeks)				
SURG 213	Surgical Procedures III	3	SURG 211, SURG 212, Coreq SURG 214	_____
SURG 214	Clinical Applications III	7	SURG 211, SURG 212, Coreq SURG 213	_____

Total Credit Hours 61-62

The college requires for any degree or technical certificate demonstration of mastery of basic reading, writing, mathematical and algebraic skills, though appropriate ASSET or COMPASS scores or through completion ENGL 025, ENGL 032, MATH 050, 015 or 023". (APPM 4.1)

Clinical Case Requirements for Graduation

Upon successful completion of the Surgical Technology Program, the student will have fulfilled the clinical case requirements as established by the 7th edition of the Core Curriculum for Surgical Technology published by the Association of Surgical Technologists.

Students must complete a minimum of 120 cases as delineated below.

A. General Surgery cases

1. Students must complete a minimum of 30 cases in General Surgery; 20 which must be performed in the First Scrub Role. The remaining 10 cases may be performed in either the First or Second Scrub Role.

B. Specialty cases

1. Students must complete at least 90 cases in various surgical specialties, excluding General Surgery; 60 must be performed in the First Scrub Role. The additional 30 cases may be performed in either the First or Second Scrub Role.

a. A minimum of 60 surgical specialty cases must be performed in the First Scrub Role and distributed amongst a minimum of four surgical specialties.

(1) A minimum of 10 cases in the First Scrub Role must be completed in each of the required minimum of four surgical specialties (40 cases total required).

(2) The additional 20 cases in the First Scrub Role may be distributed amongst any one surgical specialty or multiple surgical specialties.

b. The remaining 30 surgical specialty cases may be performed in any surgical specialty either in the First or Second Scrub Role

ADMISSIONS PROCESS

The application process is outlined below. Please direct any admissions questions to: **Admissions office at <https://www.ivytech.edu/admissions/>**

Step 1: ADMISSION TO IVY TECH COMMUNITY COLLEGE SOUTH BEND/EKLHART

Make an appointment with the Admissions Office which may be open Monday through Friday, 8 am to 5 pm.

You will need to:

- 1.) Fill out an admissions form (online or print the application) and submit it to the Admissions Office. <https://www.ivytech.edu/admissions/apply-now/>
- 2.) Make an appointment for the Placement Test. (*See Step 2*)
- 3.) Apply for financial aid. (optional) <https://www.ivytech.edu/tuition-aid/>

Step 2: PLACEMENT TEST-An assessment is used for course placement purposes. The assessment will determine if you are ready to enter college-level programs and the associated courses. Placement test prescribed basic skills courses must be completed before being accepted into Surgical Technology. This is a crucial step, because we want all of our students to succeed, and the proper course placement helps assure student success.

If you are a current student, results of your assessment need to be on record and all assessment-identified basic skills courses must have been completed with a “C” grade or better. Please check your records or call your program advisor.

Step 3: COMPLETE GENERAL EDUCATION COURSEWORK

It is recommended that you discuss your education plan with an advisor. It is NOT necessary to complete **all** prerequisites before applying to the program. However, all classes must be completed by the end of the summer semester.

Step 4: ADMISSION TO THE PROGRAM:

1. Complete the online program application and submit transcripts.
2. The student must successfully complete the following courses before beginning Fundamentals of Surgical Technology (SURG 111):
 - a. Anatomy and Physiology I & II (APHY 101 & 102)
 - b. Medical Terminology (HLHS 101)
 - c. English Composition (ENGL 111)
 - d. Mathematics elective (MATH 1XX)
 - e. Surgical Pharmacology (SURG 203) (**not** a pre-requisite but strongly recommended that the class is completed in the summer before the program starts)
 - f. Communications elective (COMM 101 or COMM 102)
 - g. Humanities elective (SOC 111 or PSYC 101)
3. All applicants to the Surgical Technology Program must be physically able to perform all of the Essential Functions Required for the Surgical Technology Program (attached).
4. **When accepting the Surgical Technology Program, students will be notified by email of a mandatory orientation session. Students must reply indicating intent to attend the mandatory information session by the date stated in the letter. Failure to attend the information session may result in forfeiture of a clinical slot for the current year.**
5. Prospective students will be awarded points for each course completed by the end of the spring semester based on the following outlined schedule.

Point Values

Point Scale	SCIENCE	NON-SCIENCE
A	30	15
B	20	10

C	10	5
D	0	0
F	0	0

Science Classes – APHY, CHEM, BIOL, MATH, SCIN, HLHS 101, PARM 102, SURG 203

Non-Science Classes – ENGL, PSYC, COMM, IVYT,

The student's grade for courses required in the Surgical Technology program as listed below, including coursework completed at other approved institutions is worth 100% of the **rank score**.

8. Admission to the Surgical Technology Program is by selecting those students with the highest **rank score**. However, the number of students admitted shall not exceed the number of clinical externships available.
9. Students who are not admitted to the program must reapply and are not given preferential consideration.

Step 5: STUDENTS SELECTED must complete the additional requirements listed below before the first day of class. **Necessary forms will be given to students at the mandatory orientation meeting.** Please note that your final acceptance will be contingent upon your satisfactory completion of these events:

- 1.) Health Physical (Essential Functions Form)
- 2.) Castle Branch information (OIG Fraud Check, Sex Offender, Criminal Background, 10 panel drug test, and Immunization Tracker)
- 3.) All fees paid
- 4.) Purchase books and supplies
- 5.) Attend orientation session

Qualified applicants who are not initially selected will be placed in an “alternate pool”. Applicants who are selected but do not complete Step 5 may be replaced in the program by someone from this pool. After the semester begins, there is no longer an alternate pool, and you will need to re-apply to the program to be considered.

IVY TECH COMMUNITY COLLEGE OF INDIANA-ELKHART
SURGICAL TECHNOLOGY
ESSENTIAL FUNCTIONS REQUIRED FOR
THE SURGICAL TECHNOLOGY PROGRAM

Qualified applicants are expected to meet all admission criteria and students are expected to meet all progression criteria, as well as these essential abilities with reasonable accommodations. Students requesting accommodations to meet these criteria must inform the Program Chair in writing of the need for accommodations at the time of admission to the program.

A Surgical Technologist must have specific physical and mental requirements. Please review the requirements listed below. To provide a minimum standard of patient care, the Surgical Technology student must be able to demonstrate the following occupational skills.

Essential Function	Description	Examples
Motor	Physical health, ability and stamina	<ul style="list-style-type: none"> • Presents the following documents ✓ head-to-toe physical examination ✓ rubella screen ✓ tuberculosis testing ✓ weightlifting ability (Lift and carry 50 pounds) ✓ tetanus immunization ✓ hepatitis B immunization or declination form ✓ Laser eye exam ✓ CPR certification • Demonstrates visual acuity (with correction if needed) within normal range, including peripheral and color vision with ability to read fine print and function visually in semi-dark room • Demonstrates auditory acuity (with correction if necessary) with ability to hear muffle voices (through masks) with extraneous background noise • Possess stamina for long period of standing • Ability to wear sterile surgical attire, including personal protective equipment • Ability to with stand unusual smells such as cauterized, infected, or necrotic tissue • Demonstrates ability to focus intently on the task at hand without distraction
Motor	Gross motor skills	<ul style="list-style-type: none"> -Ability to bend, reach, pull, push, stand, stoop and walk during all aspects of the educational experience • Ability to lift, position, and move patients and heavy equipment • Fastens masks and protective gowns • Responds quickly to surgeon’s request for instrumentation • Scrubs all aspects of fingers, hands and arms • Visually identifies differences between instruments • Regulates equipment, including electrocautery, lasers, endoscopy

		<ul style="list-style-type: none"> • Performs patient assessment
Motor	Fine motor skills	<ul style="list-style-type: none"> • Possesses eye-hand coordination, both hands • Manipulates needles, blades, sutures, and instrumentation with both hands • Evaluates size of suture by feel
Behavioral/Social	Emotional stability	<ul style="list-style-type: none"> • Accepts responsibility for total patient care • Possesses stable temperament, is responsible, organized and patient • Responds in an emotionally controlled manner in emergency situations
Behavioral/Social	Flexibility	<ul style="list-style-type: none"> • Adapts to rigorous clinical attendance requirements, irregular working hours, and emergency call schedule
Behavioral/Social	Functions Effectively Under Stress	<ul style="list-style-type: none"> • Utilizes acceptable coping mechanisms in a high stress environment • Accepts criticism without retaliation, particularly regarding sterile techniques, assignments, shift and unit/clinical rotation • Plans and implements execution of duties independently • Avoids demonstrating personal stress or frustration when interacting with clients, significant others, and health care team members • Avoids use of drugs or alcohol in or before clinical or class setting
Behavioral/Social	Demonstrates caring behavior	<ul style="list-style-type: none"> • Interacts with client and significant other in a positive manner without demonstrating personal stress or frustration • Provides emotional support to surgical team members and the patient • Interacts professionally with clients, significant others and health care team members and organizations
Intellectual/Conceptual/Judgmental	Problem solving ability; critical thinking	<ul style="list-style-type: none"> • Calculates dosages to prepare and mix medications correctly • Anticipates the needs of the surgical team for instrumentation and supplies in routine and unexpected situations • Demonstrates ability to respond quickly and prioritize the surgeon's needs in routine and emergency situations • Analyzes situations involving a potential break in aseptic technique • Recognizes and initiates interventions for client status changes • Prepares in advance for clinical and integrates general information to specific tasks and procedures
Intellectual/Conceptual/Judgmental	Recognizes hazards and assumes	<ul style="list-style-type: none"> • Awareness of exposure to toxic substances such as Laser, sterilant, x-ray, fumes, blood, etc.

	responsibility for safety	<ul style="list-style-type: none"> • Takes appropriate safety precautions to prevent injury to self or others
Communication	Interaction and therapeutic communication	<ul style="list-style-type: none"> • Speaks effectively with patients, families, and health care team members • Identifies and interprets non-verbal communication • Demonstrates knowledge of items and events that must be documented such as counts, implants, equipment use, etc. • Accurately, objectively, concisely and legible documents information on the patient's chart, specimens and other written documentation • Reads surgeon's preference cards, medication labels, orders (typed and handwritten), policies, procedures, and instructions • Ability to communicate in a rational and coherent manner both orally and in writing • Maintains professionalism and minimizes social interaction

National Certification Pass Rate

This program is currently undergoing certification. We have no graduates at this time, as this is a new program being offered at this campus.

SURGICAL TECHNOLOGY PROGRAM ESTIMATED COSTS

College/Program Costs (estimated)

The following is an estimate of the total cost for the Surgical Technology program based on in-state fees. The total cost may vary from one campus to another. Fees may vary and are subjective to change without notice. See next page for detailed breakdown.

PROGRAM	SEMESTERS/ TERMS	TUITION	ITEM	COST	TOTAL	
HLCU	Fall - Terms 1 & 2	12 credits	One amount for minimum 12 credit hours.	\$ 2577.11	\$2652.11	
			Fall Technology Fee	\$ 75.00		
	Spring - Terms 1 & 2	15 credits	One amount for minimum 12 credit hours	\$ 2577.11	\$2652.11	
			Spring Technology Fee	\$ 75.00		
	Fall - Term 1	<i>If accepted:</i>		American Heart Association CPR Certification	\$ 50.00	\$ ~500.00
				Health & Immunizations	\$ Varies	
				Criminal Background Check & Drug Screen (additional charges for additional names)	\$ 114.36+	
				<i>Bridges Package</i>	\$ 15.00	
				Lab Bundle	\$ 300	
					\$	
SURG	Fall - Term 2		Fall Technology Fee	\$ 75	\$ 1145.28	
		SURG 111	4 credits	\$ 713.52		
		SURG 112	2 credits	\$ 356.76		
	Spring Term 1	SURG 113	2 credits	\$ 356.76	\$ 891.90	
		SURG 114	3 credits	\$ 535.14		
	Spring - Terms 2 & Summer Term	SURG 211	6 credits	\$ 2577.11		

		SURG 212	9 credits	\$	included	
			Spring Technology Fee	\$	75.00	\$ 2692.11
	Fall - Term 1	SURG 213	3 credits	\$	535.14	
		SURG 214	7 credits	\$	1248.66	
			CST Exam	\$	305.00	
			Fall Technology Fee	\$	75	\$ 2163.80
						\$ 12,697.31

Tuition and fees are subject to change without prior notification

To see all tuition rates please follow the following link: <http://www.ivytech.edu/tuition/>

Distance education, out-of-state tuition is an extra \$ 20.00 per credit hour more.

The fees are based on Indiana residents

Fees subject to change