

Name \_\_\_\_\_  
 Semester Start \_\_\_\_\_  
 ADVISOR \_\_\_\_\_



# SURGICAL TECHNOLOGY

## TRANSFER - University of Southern Indiana

### Associate Degree in Applied Science 68-69 Credit Hours

Asset/Compass Scores: READING \_\_\_\_\_ WRITING \_\_\_\_\_ MATH \_\_\_\_\_ ALGEBRA \_\_\_\_\_ KEYBOARDING \_\_\_\_\_  
 Skills Advancement: ENGL 024 \_\_\_\_\_ ENGL 025 \_\_\_\_\_ ENGL 031 \_\_\_\_\_ ENGL 032 \_\_\_\_\_  
 IVYT 070 \_\_\_\_\_ MATH 015 \_\_\_\_\_ MATH 023 \_\_\_\_\_ MATH 035 \_\_\_\_\_ MATH 043 \_\_\_\_\_

First Semester (Fall)		Cr Hrs	Prerequisites/ <i>Co-requisite</i>	Grade	Term
IVYT 1XX	Life Skills Elective	1	None		
APHY 101	Anatomy & Physiology I	3	ENGL 025, ENGL 032, MATH 015/023		
ENGL 111	English Composition I	3	ENGL 025, ENGL 032		
HLHS 101	Medical Terminology	3	ENGL 025, ENGL 032		
MATH 118	Math Concepts	3	MATH 015/023		
PSYC 101	Introduction to Psychology	3	ENGL 025, ENGL 032, MATH 015		
Or					
SOCI 111	Introduction to Sociology	3	ENGL 025, ENGL 032, MATH 015		
<u>Second Semester (Spring)</u>					
* SURG 201	Pharmacology	3	ENGL 025, ENGL 032, MATH 015/023, APHY 101, HLHS 101		
APHY 102	Anatomy & Physiology II	3	APHY 101		
HLHS 105	Medical Law & Ethics	3	ENGL 025, ENGL 032		
COMM 101	Fundamentals of Public Speaking	3	ENGL 025, ENGL 032		
Or					
COMM 102	Introduction to Interpersonal Communications	3	ENGL 025, ENGL 032		
BIOL 211	General Microbiology	3	ENGL 025, ENGL 032, MATH 015/023, BIOL 101 or APHY 101		
<b>BEFORE APPLYING FOR ADMISSION INTO THE CLINICAL PHASE, IT IS RECOMMENDED THAT ALL FIRST AND SECOND SEMESTER CLASSES BE COMPLETED OR IN PROGRESS.</b>					
<u>Third Semester (Fall)</u>					
◆ SURG 111	Fundamentals of Surgical Technology	4	Admission to Program		
◆ SURG 112	Application of Surgical Fundamentals	2	Admission to Program		
♥ SURG 113	Surgical Procedures I	3	SURG 111, SURG 112, <b>SURG 114</b>		
♥ SURG 114	Clinical Applications I	3	SURG 111, SURG 112, <b>SURG 113</b>		
<u>Fourth Semester (Spring)</u>					
▲ SURG 211	Surgical Procedures II	6	<b>SURG 113, 114, SURG212</b>		
▲ SURG 212	Clinical Applications II	9	<b>SURG 113, 114, SURG 211</b>		
<u>Fifth Semester (Summer)</u>					
: SURG 213	Surgical Procedures III	3	SURG 211, 212, <b>SURG 214</b>		
SURG 214	Clinical Applications III	7	SURG 211, 212, <b>SURG 213</b>		

◆ Selective admission to the clinical phase is required and begins in the Fall only ♥ Enroll in courses concurrently ▲ Enroll in courses concurrently: Capstone Course \* Indicates Pharmacology may only be taken in Spring semester.  
 The PSB exam must be completed with a minimum score of 25 in each of the 5 sections OR a composite score of 200. Applications for fall classes must be submitted by May 15<sup>th</sup>.

**FOR MORE TRANSFER INFORMATION GO TO [www.transferin.net](http://www.transferin.net)**

Effective Summer 2010

**SURG 111-Fundamentals of Surgical Technology 4 credits**  
Introduces principles of sterile techniques and the operative care of the surgical patient. Includes the roles of scrubbing and circulating duties. Prerequisites: Admission to clinical phase of surgical program. Corequisite: SURG 112.

**SURG 112-Application of Surgical Fundamentals 2 credits**  
Demonstrates the application of surgical fundamentals. Correlates theory to practice by requiring students to participate as members of a surgical team in laboratory simulations. Prerequisites: Admission to clinical phase of surgical program. Corequisite: SURG 111.

**SURG 113 – Surgical Procedures I 3 credits**  
Introduces general surgical procedures with review of perioperative patient care including diagnostic testing, preoperative care and immediate post-operative care. Prerequisites: SURG 111, SURG 112, Corequisite: SURG 114.

**SURG 114 – Clinical Applications I 3 credits**  
Correlates the principles and theories of basic surgical procedures to clinical performance in affiliating hospitals. Includes knowledge, skill and attitudes necessary for successful implementation of safe patient care in an operating room. Prerequisite: SURG 201, SURG 111, SURG 112. Corequisite: SURG 113

**SURG 211 – Surgical Procedures II 6 credits**  
Studies advanced surgical procedures in relation to the physiological aspects of surgical intervention including those procedures related to the special senses: genitourinary, musculoskeletal and nervous systems. Includes knowledge of the involved anatomy, existing pathology, surgical hazards encountered, the surgical procedure, and a review of perioperative patient care. Prerequisites: SURG 113, SURG 114. Corequisite: SURG 212.

**SURG 212 –Clinical Applications II 9 credits**  
Correlates the basic principles and theories of advanced surgical procedures to clinical performance in affiliating hospitals. Includes knowledge, skills and attitudes necessary for successful implementation of safe patient care in an operating room. Prerequisites: SURG 113, SURG 114. Corequisite: SURG 211.

**SURG 213 – Surgical Procedures III 3 credits**  
Studies specialized surgical procedures including those related to the cardi thoracic and vascular systems. Includes knowledge of the involved anatomy, existing pathology, surgical hazards encountered, the surgical procedures, and a review of perioperative patient care. Prerequisites: SURG 211, SURG 212. Corequisite: SURG 214.

**SURG 214 – Clinical Applications III 7 credits**  
Correlates principles and theories of specialized surgical procedures to the clinical performance in affiliating hospitals. Includes the knowledge, skills and attitudes necessary for successful implementation of safe patient care in an operating room. Prerequisites: SURG 211, SURG 212. Corequisite: SURG 213.

**SURG 201 - Pharmacology 3 credits**  
The most common medications in current use are discussed according to body systems with emphasis on classification, uses, routes of administration, dosages, interactions, incompatibilities, & side effects. Also addressed are special precautions, legal aspects, & patient education. Prerequisites: ENGL 025, ENGL 032, MATH 015/023, APHY 101, HLHS 101.

**APHY 101–Anatomy & Physiology I 3 credits**  
Develops a comprehensive understanding of the closer interrelationship between anatomy & physiology as seen in the human organism. Introduces students to the cell which is the basic structural & functional unit of all organisms & covers tissues, integument, skeleton, muscular & nervous systems as an integrated unit. Prerequisites: ENGL 025, ENGL 032, MATH 015/023.

**APHY 102-Anatomy & Physiology II 3 credits**  
Continues the study of the interrelationships of the systems of the human body. Prerequisite: APHY 101, MATH 015/023

**ENGL 111- English Composition I 3 credits**  
English Composition I is a college level course in writing designed to help students develop their ability to think, to organize, & to express their ideas clearly & effectively. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion, & argumentation. Numerous in-class writing assignments are required in addition to extended essays written outside of class. Prerequisites: ENGL 025, ENGL 032.

**HLHS 101 – Medical Terminology 3 credits**  
Addresses basic terminology required of the allied health professional. Presents Greek & Latin prefixes, as well as suffixes, word roots, & combining form. Emphasizes forming a solid foundation for a medical vocabulary including meaning, spelling, & pronunciation. Includes medical abbreviations, signs, & symbols. Prerequisites: ENGL 025, ENGL 032

**BIOL 211- General Microbiology I 3 credits**  
Presents an overview of microbiology, which includes fundamentals, methods, & materials. Introduces industrial & clinical microbiology. Prerequisites: ENGL 025, ENGL 032, MATH 015/023, BIOL 101, APHY 101.

**PSYC 101-Intro to Psychology 3 credits**  
This class studies behavior & cognitive processes as they affect man & other organisms, by focusing on the nervous systems, learning processes, research techniques, personality, motivation, etc. Prerequisites: ENGL 025, ENGL 032, MATH 015

**SOCI 111- Intro to Sociology 3 credits**  
Presents the student with generalized information about the various social processes which function in society, various analytical tools, & techniques of applying this information to everyday living. Prerequisites: ENGL 025, ENGL 032, MATH 015.

**HLHS 105 – Medical Law & Ethics 3 credits**  
Presents ethics of medicine & medical practice, as well as legal requirements & implications for allied health professions. Prerequisites: ENGL 025, ENGL 032

**COMM101-Fundamentals of Public Speaking 3 credits**  
An in-depth study of the fundamentals of speech preparation; audience analysis, outlining, and research; delivery; attention, interest, and interaction; and critical evaluation. Prerequisites: ENGL 025, ENGL 032. OR

**COMM 102—Intro to Interpersonal Communication 3 credits**  
An interpersonal communication course providing theory, actual practice, and criticism for examining and changing human interaction in face-to-face situations. The course will focus on perception, attitudes, message encoding and decoding, feedback, active listening, causes for communication breakdowns, and other elements affecting interpersonal communication. Prerequisites: ENGL 025, ENGL 032.

**Mathematics Elective 3 Credits**

Updated: 4/23/2010

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