

Catalog Addendum – Surgical Technology
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ADMISSION REQUIREMENTS

General

The following items must be completed and submitted prior to the final approval of a student’s enrollment agreement.

- Personal interview and campus tour
- Application for admission and a \$25 application fee. The \$85 registration fee is due by orientation. Application fee refund policies are outlined in the Cancellation and Refund Policy within the Financial Aid section of this school catalog.
- Acceptable documentation of high school graduation or its equivalency (HS Diploma, HS Transcript, GED Diploma or Transcript, or home school credentials from the approved school district/state/Home Education Program form)
- Entrance assessment (benchmark scores listed below)
- Completion of all required admission documentation
- Acknowledgement of receipt of all consumer information
- A parent/guardian must co-sign the enrollment agreement and all FERPA documents for applicants under the age of 18
- Must meet the technical standards for the applicant’s program of choice
- Meet with Financial Aid to determine grant and loan eligibility and finalize the financial plan/spreadsheet

Entrance Assessment

Perspective students applying for admission must meet the minimum benchmark assessment scores as follows. Applicants may attempt the Wonderlic a total of three (3) times. If the benchmark score is not met, the applicant must wait one (1) year to retest.

PROGRAM	WONDERLIC SLE	WONDERLIC WBST
Commercial Driver’s License	10	N/A
Computer Aided Drafting and Design	10	N/A
Cosmetology	10	N/A
Electrician	10	N/A
Esthetics	10	N/A
Heating, Ventilation, Air Condition and Refrigeration	10	N/A
Information Technology and Security	10	N/A
Medical Assistant and Medical Assisting	14	N/A
Phlebotomy Technician	14	N/A
Practical Nursing	N/A	281 math; 285 reading
Surgical Technology	N/A	281 math; 285 reading
Welding Technology	14	N/A

PROGRAM SPECIFIC ADMISSION/EXTERNSHIP/CLINICAL REQUIREMENTS AND INFORMATION

In addition to the general admission requirements listed above, applicants for the following programs must also meet the admission and/or externship criteria listed:

Surgical Technology Admission and Externship requirements

The Surgical Technology Program Director will ensure equitable consideration of all applicants, assist the applicant in determining if this is the right field for him/her, and ensure the best possible chance of success for each student selected to enter the program. Students applying for the Surgical Technology program are required to submit the following and will be reviewed by the Program Director for compliance and consideration.

1. Drivers’ license and dependable transportation for travel to externship locations.
2. Participate in a second interview with the Program Director and the Director of Student Services.
3. Submit the following background checks. The cost associated with the background checks are at the student’s expense. Applicants with a criminal background will not be accepted. This includes misdemeanors and felonies.
 - Pennsylvania Access to Criminal History - epatch (for PA residents) OR West Virginia Criminal Background Check (CIB) (for WV residents) OR other current state of residency background check (**admission requirement – due prior to acceptance; also due again at least 1 quarter before externship**).
 - Pennsylvania Child Abuse History Clearance (**externship requirement – due at least 1 quarter before externship**)
 - FBI Criminal Background Clearance (**externship requirement – due at least 1 quarter before externship**)
4. While Penn Commercial does not require students to provide proof of vaccination prior to enrollment and the start of their program of study, medical programs offered do require a Health Clearance/Physical Form, blood titers, and possible vaccinations. For the Surgical Technology program, the Health Clearance/Physical Form, blood titers, and any required vaccinations based on the titer results are due at least 1 quarter before externship. Furthermore, students are also required to submit a current tspot, flu vaccine (if externship falls between October and April), and covid testing and/or vaccine if applicable. The cost associated with these

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medical services are at the student's expense.

5. Drug testing must be completed on campus by Penn Commercial's contracted service provider. Please note that drug testing can be done at random at any time during enrollment. Cost for the first scheduled drug testing is included in the student's financial aid package. Random drug testing will be paid for by the school. A positive drug test will result in immediate termination from the program. NOTE: a medical marijuana card DOES NOT make anyone exempt from a positive drug test. A student who has a positive drug test may reapply for admission after one year.

TUITION AND FEES SCHEDULE

PROGRAM	AWARD	PROGRAM LENGTH	QUARTER CREDITS/HOUR	PROGRAM TUITION	APP/REG FEES	BOOKS AND FEES*	PROGRAM TOTAL
Commercial Driver's License	Certificate	6/7/12 weeks	220 hours	\$6,795.00	\$100	\$300.00	\$7,195.00
Computer Aided Drafting and Design	AST	18 months	110.5 quarter credits	\$23,978.00	\$110	\$5,484.00	\$29,572.00
Cosmetology	Diploma	9 months	1250 hours	\$15,425.00	\$110	\$4,464.00	\$19,999.00
Electrician	Diploma	9 months	59.0 quarter credits	\$12,213.00	\$110	\$4,671.00	\$16,994.00
Electrician Evening	Diploma	15 months	59.0 quarter credits	\$12,213.00	\$110	\$4,971.00	\$17,294.00
Esthetics	Diploma	3 months	400 hours	\$4,000.00	\$110	\$2,451.00	\$6,561.00
HVAC-R	AST	18 months	106.0 quarter credits	\$21,730.00	\$110	\$5,920.00	\$27,760.00
Information Technology and Security	ASB	18 months	104.0 quarter credits	\$23,088.00	\$110	\$6801.00	\$29,999.00
Medical Assistant	ASB	18 months	107.0 quarter credits	\$23,219.00	\$110	\$6,951.00	\$30,280.00
Phlebotomy Technician	Diploma	3 months	12.0 quarter credits	\$2,484.00	\$110	\$1,116.00	\$3,710.00
Practical Nursing	Diploma	12 months	1500 hours	\$19,650.00	\$110	\$5,521.00	\$25,281.00
Surgical Technology	AST	21 months	105.0 quarter credits	\$32,970.00	\$110	\$4,427.00	\$37,507.00
Welding Technology	Diploma	12 months	78 .0 credits	\$16,926.00	\$110	\$6,255.00	\$23,291.00

**The cost of the Certification/Licensure fee is included in the "Books and Fees" section above. If a student does not pass the exam on the first attempt, he/she is financially responsible for paying the repeat fee. These fees vary by program.*

SURGICAL TECHNOLOGY
ASSOCIATE IN SPECIALIZED TECHNOLOGY DEGREE (AST)

Program Length	21 Months
Total Hours	1650
Total Quarter Credits	105.0

Program Mission: The Surgical Technology program prepares graduates for employment as competent, entry-level surgical technologists whose role is essential to the surgical team. Students engage in multimodal learning approaches that span academic studies in the classroom, hands-on laboratory training, and clinical experiences in hospitals, surgical centers and/or clinics. Strong emphasis is placed on learning how to work quickly and effectively to anticipate the surgeon’s needs during surgical procedures. Students are closely supported and supervised as they master knowledge and skills in the practical application of aseptic technique, creating and maintaining the sterile field, safe handling of specimens, and providing pre-, intra-, and post-operative patient care according to established ethical and professional standards.

Class Schedule: Classes are scheduled any time Monday through Friday between 8:00 am to 4:30 pm. The quarterly sequence listed below is subject to change.

Externship Schedule: Externship rotations can be scheduled any time Monday through Friday from 6:30 am to 4:30 pm, depending on scheduled clinical site location and shift assignment.

Course Requirements: Students must earn a grade of C or better in all core courses in order to be considered passing. Core courses are designated by a ▪ symbol. General education courses are designated by a ♦ symbol.

Quarter #	Course Code	Course Name	Lecture Hours	Lab Hours	Externship Hours	Total Hours	Quarter Credits
1	MD 100 ♦	Medical Terminology	30	0	0	30	3.0
1	ST 100 ▪	Surgical Technology Field Research	10	0	0	10	1.0
1	ST 101 ▪	Exploration of the Surgical Environment	40	30	0	70	5.5
1	ST 102 ▪	Instrumentation and Microbiology	40	30	0	70	5.5
2	EC 101 ♦	English Composition	30	20	0	50	4.0
2	ST 103T ▪	Practices of Aseptic Technique	40	0	0	40	4.0
2	ST 103L ▪	Practices of Aseptic Technique Lab	0	30	0	30	1.5
2	ST 104T ▪	OR Equipment and Supplies	30	0	0	30	3.0
2	ST 104L ▪	OR Equipment and Supplies Lab	0	30	0	30	1.5
2	ST 110 ▪	Surgical Anatomy & Physiology 1	30	20	0	50	4.0
3	MA 103 ♦	Tech Math II	30	20	0	50	4.0
3	PS 101 ♦	Introduction to Psychology	30	20	0	50	4.0
3	ST 105T ▪	Surgical Specialties 1	40	0	0	40	4.0
3	ST 105L ▪	Surgical Specialties 1 Lab	0	30	0	30	1.5
3	ST 111 ▪	Surgical Anatomy & Physiology 2	30	20	0	50	4.0
4	ST 125 ▪	Pharmacology for the Surgical Technologist	30	20	0	50	4.0
4	ST 200T ▪	Surgical Specialties 2	40	0	0	40	4.0
4	ST 200L ▪	Surgical Specialties 2 Lab	0	30	0	30	1.5
4	ST 201T ▪	Surgical Specialties 3	40	0	0	40	4.0
4	ST 201L ▪	Surgical Specialties 3 Lab	0	30	0	30	1.5
5	BA 110 ♦	Ethics in the Workplace	30	20	0	50	4.0
5	ST 202T ▪	Surgical Specialties 4	40	0	0	40	4.0
5	ST 202L ▪	Surgical Specialties 4 Lab	0	30	0	30	1.5
5	ST 203T ▪	Surgical Specialties 5	40	0	0	40	4.0
5	ST 203L ▪	Surgical Specialties 5 Lab	0	30	0	30	1.5
5	<i>All students are scheduled for Basic Life Support for Healthcare Providers</i>						
6	PD 105 ♦	Career Development	10	20	0	30	2.0
6	ST 205 ▪	CST Review 1	10	0	0	10	1.0
6	ST 220 ▪	ST Externship Rotation 1	0	0	285	285	9.5
7	ST 206 ▪	CST Review 2	20	10	0	30	2.5
7	ST 221 ▪	ST Externship Rotation 2	0	0	285	285	9.5
Totals			640	440	570	1650	105.0

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PROGRAMMATIC ACCREDITATION DISCLOSURE

Penn Commercial Business/Technical School is in the process of seeking programmatic accreditation for the Surgical Technology program from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) www.caahep.org. The CAAHEP accreditation will allow graduates to be eligible to sit for the Certified Surgical Technologist (CST) Examination through the National Board of Surgical Technology and Surgical Assisting (NBSTSA). Graduates who attended Penn Commercial during the initial accreditation process will be eligible to sit for the CST examination, upon approval. Certification is required for employment in Pennsylvania.

GRADUATION REQUIREMENTS

Formal graduation ceremonies are held during the fall and spring quarters. Students must meet the following requirements to graduate from Penn Commercial:

- The student has completed all required courses with a passing grade.
- The student has accumulated the total number of credits or clock hours required for graduation from his/her program of study.
- The student has achieved a cumulative grade point average of 2.0.
- The student has completed 100% of externship or clinical hours and minimum case requirements met.
- The student has met all financial obligations to the school.
- The student has completed the exit interview process, if applicable.
- The student has met the attendance requirements of his/her program.
- CDL students must pass Class "A" CDL exam.
- Surgical Technology students must sit for the NBSTSA certification exam.

MAKEUP WORK

It is the responsibility of the student to contact each instructor and make appropriate arrangements to complete any missed work due to an absence. Normally, instructors will make arrangements on the student's time, outside of class, to make up tests or other missed work. If a graded activity is not made up within five (5) calendar days after returning to class, a grade of zero will be recorded toward the final grade calculation. In class activities, competencies, and quizzes that are missed may be scheduled for makeup at the discretion of the instructor and may be subject to a 10% deduction. Instructors may make case-by-case exceptions if a significant, documentable, and infrequent situation caused a student to miss a submission deadline. Instructors will ensure that all students receive equitable consideration when granting extensions.

Commercial Driver's License Students

Students must make up every hour missed, per graduation requirements. Makeup work must be coordinated with the CDL Program Director.

Cosmetology and Esthetics Students

Students must make up every hour missed, per graduation requirements. A makeup work schedule is available throughout the week and students are responsible for working independently on learning all missed content. Any student who does not complete all their program hours by the expected graduation date will be charged a makeup work fee, as outlined on the enrollment agreement. This fee is not covered by financial aid.

Practical Nursing Students

Students must make up every hour missed, per graduation requirements. A makeup work schedule is available throughout the week through ATI remediation. Students who are required to make up a clinical day will be charged \$150/day, as outlined on the enrollment agreement. This fee is not covered by financial aid.

Surgical Technology Students

Students must make up every hour missed, per graduation requirements. All clinical time is a requirement to be completed 100%. If you missed clinical time, you must arrange to make that time up by filling out a make-up form. This form is available in the Clinical Coordinator's office and has to be approved before the time is made up. No time will be made up on weekends, holidays, or off shifts.

SATISFACTORY ACADEMIC PROGRESS (SAP)

Federal regulations require that all institutions monitor the academic progress of each student and to certify that each student is making satisfactory academic progress toward a degree, diploma, or certificate. SAP standards apply to all students, regardless of enrollment status, program, or receipt of federal financial aid. In accordance with those regulations, Penn Commercial has established standards of Satisfactory Academic Progress (SAP) that include quantitative and qualitative measures of progress. Students bear primary responsibility for their own academic progress and for seeking assistance with experiencing academic difficulty. Advising and tutoring are available for all students.

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2. Maximum Time Frame – All students are expected to complete their program within an acceptable period of time. The maximum time frame allowed is 150% of the published length of the program. For credit hour programs, the maximum time frame is based on 150% of the required credits for graduation as published in the School Catalog. For clock hour programs, the maximum time frame is calculated at 150% of the calendar length as published in the School Catalog.

Program	CGPA	Quarter Credits	Maximum Credits Attempted	Maximum Length
Commercial Driver’s License	2.0	N/A	N/A	9/10.5/18 weeks
Computer Aided Drafting and Design	2.0	110.5	165.75	N/A
Cosmetology	2.0	N/A	N/A	13.5 months
Electrician	2.0	59.0	88.5	N/A
Esthetics	2.0	N/A	N/A	4.5 months
HVAC-R	2.0	106.0	159.0	N/A
Information Technology and Security	2.0	106.0	159.0	N/A
Medical Assistant	2.0	107.0	160.5	N/A
Medical Assisting	2.0	67.0	100.5	N/A
Pharmacy Technician	2.0	82.0	123.0	N/A
Practical Nursing	2.0	N/A	N/A	18 months
Surgical Technology	2.0	105.0	157.5	N/A
Welding Technology	2.0	78.0	117.0	N/A

VACCINATION POLICY

While Penn Commercial does not require students to provide proof of vaccination prior to enrollment and the start of their program of study, medical programs offered do require a Health Clearance/Physical Form completed within two weeks of the start date. Furthermore, externship and clinical sites may also require drug testing and/or immunizations/titers for communicable diseases prior to entering the externship or clinical component of the program. The information by program is outlined below.

Titers/Vaccinations by program

Medical Assistant/Assisting and Phlebotomy Technician	<ul style="list-style-type: none"> ▪ Health Clearance/Physical Form ▪ Hepatitis B Titer and vaccination if requested by externship site ▪ Varicella Titer and vaccination if requested by externship site ▪ MMR Titer and vaccination if requested by externship site ▪ T-Spot Testing for Tuberculosis if requested by externship site ▪ TDAP vaccination if requested by externship site ▪ Flu shot if requested by externship site ▪ COVID-19 testing if requested by externship site
Practical Nursing and Surgical Technology	<ul style="list-style-type: none"> ▪ Health Clearance/Physical Form ▪ Drug Testing ▪ Hepatitis B Titer and vaccination ▪ Varicella Titer and vaccination ▪ MMR Titer and vaccination ▪ T-Spot Testing for Tuberculosis ▪ TDAP vaccination ▪ Flu shot ▪ COVID-19 vaccine and/or testing if requested by clinical site

COURSE DESCRIPTIONS AND SEQUENCING

Course sequencing is a 2/3/4-letter and 3-digit combination. The numbers range from 100 to 252 and represent a suggested sequence of when courses should be taken. For example, 100 level courses should be taken in the student’s first academic year and 200 level courses should be taken in the student’s second academic year. 200 level courses represent upper level courses. The letters indicate subject and/or program areas listed below:

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BA	Business Administration
CAD	Computer Aided Drafting and Design
CDL	Commercial Driver's License
CM	Network Administrator
CS	Computer Support
CST	Cosmetology
CT	Computer Technology
EC	English and Communication
EL	Electrician
ES	Esthetics
HT	Heating, Ventilation, Air Conditioning and Refrigeration
IT	Information Technology and Security
MA	Mathematics
MD	Medical
OT	Office Technology
PD	Professional Development
PN	Practical Nursing
PS	Psychology
ST	Surgical Technology
WT	Welding Technology

MEDICAL (MD)

MD100 MEDICAL TERMINOLOGY

This course is designed to introduce the student to the field of medical terms: origin, definition, practical use and common names. Students will examine basic word structure including suffixes and prefixes, the organization of the human body, the definition of useful diagnostic and procedural terminology, and commonly used medical abbreviation, acronyms, and symbol.

Prerequisite: None - Co-requisite: None

PROFESSIONAL DEVELOPMENT (PD)

PD 105 CAREER DEVELOPMENT

This course is designed to prepare students to make a smooth transition from classroom to career. The course will focus on three areas (Career Portfolio, Job Search, and the Interview Process). Students will develop a comprehensive career portfolio. The portfolio will include a resume, cover letter, references, letters of recommendation, examples of work). Students will learn how to tailor the resume and cover letter to target a specific position or company. The students will learn about the phases in the job search cycle. They will discover ways to market their skills and understand the benefits and goals of successful networking. Students will be introduced to the most relevant job search resources (Career Link, LinkedIn, Indeed). Students will learn how to find job leads and successfully apply to relevant positions. Finally, students will learn about the interview process (securing an interview, how to conduct a successful interview, professionalism, follow-up). This class is designed to teach students the necessary skills so they can apply them directly to achieving immediate and future career goals.

Prerequisite: None - Co-requisite: None

SURGICAL TECHNOLOGY (ST)

ST 100 SURGICAL TECHNOLOGY FIELD RESEARCH

This course will provide a venue for reflection and research of the surgical technology field as students complete their first quarter of study. Working in conjunction with the *Exploration of the Surgical Technology Environment* course, students will take a virtual tour of the operating room environment to observe the role of the surgical technologist, his/her interactions with the surgical team, and the steps of a standard surgical procedure. Further insight will be developed through a guest speaker appearance by a certified surgical technologist currently working in the field. To provide a sense of historical perspective, each student will research and report on a different scientific pioneer who made key contributions that impact the surgical technology field. Throughout the course, strong emphasis will be placed on cultivating a growth mindset that promotes student success in both the classroom and career.

Prerequisite: None - Co-requisite: None

ST 101 EXPLORATION OF THE SURGICAL ENVIRONMENT

This course serves as an introduction to the Surgical Technology profession, starting with its evolution rooted in centuries of scientific study. Students will then examine the responsibilities of the surgical technologist, standard communication principles and practices, and the legal and ethical obligations/ implications of the operating room environment. After an exploration of the various hospital departments and the OR setting, the focus will shift to the needs of the patient,

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particularly those in special populations. A key focus of the course will be on the safe transfer/transport of patients and the various patient positions and their specific applications. Students will also learn basic concepts associated with diagnostic procedures, environmental hazards, and death and dying. Weekly lab sessions will provide practical application of many of the theoretical concepts, particularly in the realm of patient transfer and positioning techniques.

Prerequisite: None - Co-requisite: None

ST 102 INSTRUMENTATION AND MICROBIOLOGY

This course introduces the student to the basic instruments used for surgery, as well as the impact of microbiology principles on the practice of sterile technique and infection control in the operative environment. Course topics include: the study of microorganisms and the diseases they cause; the processes of decontamination, sterilization, and disinfection; instrument names, classification, parts, materials, and safe usage; and a close examination of the specific instruments used for general surgery and each surgical specialty. In the lab portion of this course, students will practice competencies in selecting and handling instruments as they build instrument baskets for various surgical procedures.

Prerequisite: None - Co-requisite: None

ST 103T PRACTICES OF ASEPTIC TECHNIQUE

This course focuses on the principles and practices of aseptic technique, centering on a series of core competencies in the pre-, peri-, and post-operative stages. After examining the fundamentals of a sterile environment, students learn proper technique for hand washing, hand scrubbing, drying, gowning, and gloving. The course also exposes students to the steps involved in sterile case setup, patient skin prep and draping, proper wound closure, and management of the surgical specimen. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to demonstrate these competencies.

Prerequisite: None - Co-requisite: ST 103L

ST103L PRACTICES OF ASEPTIC TECHNIQUE LAB

This course provides an opportunity to apply the principles learned in the corresponding *Principles of Aseptic Technique* course. In the lab setting, students gain hands-on experience in completing competencies associated with setting up and maintaining a sterile surgical environment using aseptic technique. Specific competencies include: the surgical scrub routine, gowning and gloving, back table and Mayo stand setup, opening/arranging supplies, managing surgical/closing counts, handling specimens, assisting with urinary catheterizations, and surgical skin prep for various anatomical sites.

Prerequisite: None - Co-requisite: ST 103T

ST 104T OR EQUIPMENT AND SUPPLIES

This course offers a close examination of the wide range of equipment and supplies that support operating room procedures. Students will learn the proper techniques for carefully preparing and handling: tubes, drains and catheters; sutures and suture needles, general surgical supplies such as surgical sponges, wound dressings, and skin prep solutions; common equipment such as OR tables, Electro Surgical Units, and pneumatic tourniquet cuffs; lasers; and endoscopic and robotic equipment. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to demonstrate these competencies.

Prerequisite: None - Co-requisite: ST 104L

ST 104L OR EQUIPMENT AND SUPPLIES LAB

This course provides an opportunity to apply the principles learned in the corresponding *OR Equipment and Supplies* course. In the lab setting, students gain hands-on experience in completing competencies associated with the setup of equipment and supplies in the operative environment. Specific competencies include: preparing active and passive drains; handling sutures, ties, and needles; setting up the Electro Surgical Unit (ESU); assembling endoscopic equipment; and connecting the video tower for operation.

Prerequisite: None - Co-requisite: ST 104T

ST 105T SURGICAL SPECIALTIES I

This course focuses on General Surgery, the surgical specialty that lays the foundation for all other specialties covered in subsequent courses. Students will apply previous knowledge of anatomy and pathology related to the abdominal cavity and organs contained within the cavity to learn the detailed steps involved in a series of open and laparoscopic procedures that treat gastrointestinal, liver and biliary tract, pancreatic, breast, and thyroid pathologies. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with core general surgery procedures.

Prerequisite: MD 100, ST 110, ST 103T, ST 103L, - Co-requisite: ST 105L, ST 111

ST 105L SURGICAL SPECIALTIES I LAB

This lab-based course gives students the opportunity to gain hands-on experience in serving the role of the surgical technologist in general surgery procedures. Students will practice using aseptic technique to prepare and handle the

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instruments, equipment, and supplies associated with open and laparoscopic procedures related to the abdominal cavity and organs contained within the cavity. Each practice lab is followed by a graded competency lab for a selected procedure. Students will also demonstrate their skills in performing competencies of the circulator role.

Prerequisite: MD 100, ST 110, ST 103T, ST 103L - Co-requisite: ST 105T, ST 111

ST 110 SURGICAL ANATOMY AND PHYSIOLOGY 1

This course is an overview of surgical anatomy and pathophysiology. Emphasis is placed on the organizational structure of the body, organ systems, relevant surgical pathophysiology, and related medical terminology (abdomen; female reproductive system; the eye; ear, nose and sinuses; upper aerodigestive tract and oral cavity; face and cranium). Upon completion, the student will be able to apply knowledge of anatomy in the clinical environment.

Prerequisite: MD 100 - Co-requisite: None

ST111 SURGICAL ANATOMY AND PHYSIOLOGY 2

This course is an overview of surgical anatomy and pathophysiology. Emphasis is placed on the organizational structure of the body, organ systems, relevant surgical pathophysiology, and related medical terminology (skin, genitourinary system, musculoskeletal system, cardiovascular system, respiratory system, peripheral vascular system, and neurological system). Upon completion, the student should be able to apply knowledge of anatomy in the clinical environment.

Prerequisite: MD 100 - Co-requisite: None

ST125 PHARMACOLOGY FOR THE SURGICAL TECHNOLOGIST

This course provides the student with an introduction to basic pharmacology concepts. The student will examine the application of pharmacology concepts in the context of various patient care delivery settings. The course offers students the opportunity to examine and analyze medications utilized in an operating room setting. This course provides an overview of drug families and employs a series of review exercises and illustrations to enhance the students understanding of pharmacology.

Prerequisite: MD 100, MA 102, ST 110, ST 111 - Co-requisite: None

ST 200T SURGICAL SPECIALTIES 2

This course encompasses two major surgical specialties: Obstetrics/Gynecology and Genitourinary. Students will apply previous knowledge of anatomy and pathology related to the male and female reproductive and urinary systems to learn the detailed steps involved in a series of diagnostic, open, and laparoscopic procedures, including those related to pregnancy and labor/delivery, external genitalia and structures, cervical, kidney/ureter/bladder, and prostate/testicular/penile procedures. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with obstetrics, gynecology, and genitourinary procedures.

Prerequisite: ST Quarters 1-3 - Co-requisite: ST 200L

ST 200L SURGICAL SPECIALTIES 2 LAB

This lab-based course gives students the opportunity to gain hands-on experience in serving the role of the surgical technologist in obstetric, gynecologic, and genitourinary procedures. Students will practice using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with open and laparoscopic procedures related to the male and female reproductive and urinary systems. Each practice lab is followed by a graded competency lab for a selected procedure. Students will also demonstrate their skills in performing competencies of the circulator role.

Prerequisite: - ST Quarters 1-3 - Co-requisite: ST 200T

ST 201T SURGICAL SPECIALTIES 3

This course encompasses three major surgical specialties: Plastics and Reconstructive Surgery, Orthopedic Surgery, and Neurosurgery. Students will apply previous knowledge of anatomy and pathology related to these specialties as they learn the detailed steps involved in a series of diagnostic, open, and laparoscopic procedures. These procedures include skin grafts and plastic/reconstructive surgeries of the head, face, hand, breast, and abdomen, as well as orthopedic procedures of the shoulder, radius, hip, femur, knee, ankle, and foot. The final weeks of the course will be devoted to cranial, spinal, and peripheral nerve neurosurgeries. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with reconstructive, orthopedic, and neurological procedures.

Prerequisite: ST Quarters 1-3 - Co-requisite: ST 201L

ST 201L SURGICAL SPECIALTIES 3 LAB

This lab-based course gives students the opportunity to gain hands-on experience in serving the role of the surgical technologist in plastic/reconstructive, orthopedic, and neurological procedures. Students will practice using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with open and laparoscopic

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procedures related to these specialties. Each practice lab is followed by a graded competency lab for a selected procedure. Students will also demonstrate their skills in performing competencies of the circulator role.

Prerequisite: ST Quarters 1-3 - Co-requisite: ST 201T

ST 202T SURGICAL SPECIALTIES 4

This course encompasses three major surgical specialties: Thoracic Surgery, Cardiac Surgery, and Peripheral Vascular Surgery. Students will apply previous knowledge of anatomy and pathology related to these specialties as they learn the detailed steps involved in a series of diagnostic, open, and laparoscopic procedures that address pathologies of the lung, heart (in both adult and children), and peripheral vascular system. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with thoracic, cardiac, and peripheral vascular procedures.

Prerequisite: ST Quarters 1-4 - Co-requisite: ST 202L

ST 202L SURGICAL SPECIALTIES 4 LAB

This lab-based course gives students the opportunity to gain hands-on experience in serving the role of the surgical technologist in cardiothoracic and peripheral vascular surgery. Students will practice using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with open and laparoscopic procedures related to these specialties. Each practice lab is followed by a graded competency lab for a selected procedure. Students will also demonstrate their skills in performing competencies in the circulator role.

Prerequisite: ST Quarters 1-4 - Co-requisite: ST 202T

ST 203T SURGICAL SPECIALTIES 5

This course encompasses three major surgical specialties: Ophthalmic Surgery, Otorhinolaryngologic Surgery, and Oral/Maxillofacial Surgery. Students will apply previous knowledge of anatomy and pathology related to these specialties as they learn the detailed steps involved in a series of diagnostic, open, and laparoscopic procedures that address pathologies of the eye, ear, nose, throat, oral cavity, and face. This content will be applied in a corresponding lab course where students gain hands-on experience in using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with ophthalmic, otorhinolaryngologic, and oral/maxillofacial procedures.

Prerequisite: ST Quarters 1-4 - Co-requisite: ST 203L

ST 203L SURGICAL SPECIALTIES 5 LAB

This lab-based course gives students the opportunity to gain hands-on experience in serving the role of the surgical technologist in ophthalmic, otorhinolaryngologic, and oral/maxillofacial surgery. Students will practice using aseptic technique to prepare and handle the instruments, equipment, and supplies associated with open and laparoscopic procedures related to these specialties. Each practice lab is followed by a graded competency lab for a selected procedure. Students will also demonstrate their skills in performing competencies in the circulator role.

Prerequisite: ST Quarters 1-4 - Co-requisite: ST 203T

ST 205 CST REVIEW 1

During this course students will review surgical caseloads from concurrent externship rotation to ensure compliance with the AST Surgical Rotation Case Requirements.

Prerequisite: ST Quarters 1-5 - Co-requisite: ST 220

ST 206 CST REVIEW 2

This course will offer the Surgical Technology student the opportunity to review all program content in preparation for the national certification exam. Provides systematic review of all course material with related exams similar in design to the Certified Surgical Technologist (CST) Exam offered by the National Board of Surgical Technology and Surgical Assisting.

Prerequisite: ST Quarters 1-6 - Co-requisite: ST 211

ST 220 ST EXTERNSHIP ROTATION 1

This initial externship course reflects the full range of theoretical concepts and hands-on competencies from all previous quarters of study in the Surgical Technology program. Students are assigned to an affiliated clinical site where they gain direct experience in assisting the operating team with surgical procedures in both general surgery and a variety of surgical specialties. Students are required to meet a 120-case minimum, with designated case totals for general surgery and each classification of specialty surgeries. Assessments include daily evaluations by the onsite preceptor, as well as weekly evaluations by Penn Commercial's clinical instructor. Students are responsible for completing weekly assignments that reinforce experiential learning and reserve time for active reflection.

Prerequisite: ST Quarters 1-5 - Co-requisite: ST 205

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ST 221 ST EXTERNSHIP ROTATION 2

This second externship course provides students with further opportunity to refine the clinical skills developed during the previous *ST Externship Rotation 1* course. Students are expected to continue to demonstrate the same surgical technologist competencies that were applied in the first externship experience while elevating their level of execution and taking on added responsibilities in the operating room. Increased emphasis will be placed on achieving 100% accuracy in competencies, increasing the level of independence, participating in more complex procedures, and taking initiative to learn new skills and approaches. As with the first externship, students are required to meet a 120-case minimum, with designated case totals for general surgery and each classification of specialty surgeries. Assessments include daily evaluations by the onsite preceptor, as well as weekly evaluations by Penn Commercial's clinical instructor. Students are responsible for completing weekly assignments that reinforce experiential learning and reserve time for active reflection. Prerequisite: ST Quarters 1-6 - Co-requisite: ST 206