

Summer 2009

Dear Applicant:

Thank you for your interest in the Lamar State College-Port Arthur Surgical Technology Program (LSC-PA STP). Surgical technologists work with the surgeon and other members of the health care team to provide care to patients who are undergoing invasive therapeutic and diagnostic procedures. Surgical technicians are listed among the "Top 25" fastest growing occupations in Texas.

Surgical technology demands organizational skills and manual dexterity. The knowledge and skills necessary for successful practice as a surgical technologist are developed with a strong foundation of theory acquired in the classroom and skills lab enhanced through "hands-on" experience in the clinical setting,

This advisement packet is designed to answer common questions, outline program requirements, and provide you with the following items:

- I. Application and procedure for admission to the Surgical Technology Program.
- II. Information about the required health exam.
- III. Guidance to obtain financial aid.
- IV. Program of study.

Please review the enclosed information carefully. If you have any questions, please call the Allied Health Secretary at 984-6356 (1-800-477-5872 ext. 6356). I am available at LSC-PA by calling 984-5354 (1-800-477-5872 ext. 7354). The faculty and I look forward to receiving your application.

Sincerely,

Janet R. Hamilton, RN, MSN
Allied Health Department Chair

Lamar State College-Port Arthur Surgical Technology Program

The Lamar State College-Port Arthur Surgical Technology Program is a competency based program designed to prepare its graduates to work in the health care setting providing care to people undergoing surgery or invasive diagnostic procedures.

The Surgical Technology Program at LSC-PA focuses on the care of surgical patients, uses of surgical instruments and aseptic technique. The curricula of the Certificate Program in surgical technology emphasizes biomedical sciences and the development of technical skills. The Associate of Applied Science Degree in Surgical Technology promotes a balance of the biomedical sciences, professional training and the social sciences, including both behavioral and information science. Both routes prepare competent surgical technologists for the health care work force.

ADMISSION REQUIREMENTS

Admission to the Surgical Technology Program at Lamar State College-Port Arthur is a two-phase process. During Phase I, the student must complete the following steps:

- I. Complete the application process for general admission to Lamar State College-Port Arthur.
- II. Complete the application process for the Surgical Technology Program.
 - A. Step One: Complete the application packet. The following forms should be completed and mailed with the required documentation to:

Surgical Technology Program
Standards Committee
Lamar State College-Port Arthur
P O Box 310
Port Arthur, TX 77641-0310

1. Application to the Surgical Technology Program
2. **Copies** of official transcripts to include:
 - A. Transcript(s) of all college work completed
These must arrive in the Allied Health Department prior to the review of applications by the faculty. *No application will be reviewed unless all transcripts and transcript evaluations are submitted.*
3. Report verifying that the student has satisfied the THEA requirements (unless the student is exempt prior to admission) – Note: These scores usually appear in the top left-hand corner of your college transcripts.

The new name for the TASP Test is the THEA Test. The content of the THEA Test is the same as the former TASP Test. The THEA Test has been approved by the Texas Higher Education Coordinating Board, under Senate Bill 286, Texas Education Code, Section 51.3062: Texas Success Initiative, for use by Texas institutions of higher education as an assessment instrument for entering students. The THEA Test provides the diagnostic data required by this legislation.

- The THEA Test must be taken before enrolling in any college-level coursework.
- WHO IS EXEMPT FROM TAKING THE TEST? There are exemptions. It

is important that you check with the advising office before you register for the THEA Test.

- For further information about whether and when you must be tested, please contact the advising office at 984-6183, 984-6184 or 984-6185.

4. Evidence of current CPR certification
5. Employment/Work History
6. Survey

- B. Step Two: Successfully complete BIOL 2401 AND 2402 (BIO 143 AND 144), BIOL 2420 (BIO 245), *NURA 1301 and 1160, and HITT 1305 or SRGT 1301 with a minimum grade of C.

***NOTE:** Lamar State College-Port Arthur Allied Health Department offers a two-part exemption exam for those students who are Certified Nurse's Aides and have a current CNA card with the Texas Certified Nurse's Aide Registry. The exemption exam is a two-part process. The first part is a written exam. A student must score at least 80 percent on the written exam. If the student is successful, then he/she must complete the skills portion of the exam. Upon successful completion of both parts of the exemption exam, a student will be exempted from taking NURA 1301 - Nurse Aide for Health Care Organizations I and NURA 1160 - Clinical for Nursing Assistant/Aide on the LSC-PA campus.

The Allied Health Department will administer this exam twice a year – once in April and again in November. Please contact the Allied Health Department at 984-6356 for exact exam dates and times.

The student must maintain a "C" or better in ALL surgical technology and science courses and an overall 2.0 Grade Point Average to graduate. Please note that all surgical technology courses (SRGT) require a minimum score of 75 for a grade of "C".

During Phase II of the admission process, students who have completed Phase I are ranked according to their scores on the 6-item Admission Rating Scale (see below). This scale has been developed by the Surgical Technology Standards Committee composed of surgical technology faculty. The goal of the Surgical Technology Standards Committee is the selection of the best qualified applicants. The applicants with the highest scores will be admitted to the program. Lamar State College-Port Arthur is an open access institution. All slots will be filled with the most qualified applicants available in any given admission period.

Name:		SS:		
Course:		Semester	Grade	Points
Human Anatomy & Physiology (BIOL 2401) A = 4 B = 3 C = 2				
Human Anatomy & Physiology (BIOL 2402) A = 4 B = 3 C = 2				
Basic Nursing (NURA 1301 & NURA 1160) A = 4 B = 3 C = 2				
Introductory Microbiology (BIOL 2420) A = 4 B = 3 C = 2				
Medical Terminology (SRGT 1301 or HITT 1305) A = 4 B = 3 C = 2				
Total Credit Hours of academic courses (Grade C or better, excluding prerequisites) 1-9 hrs = 1 10-19 hrs = 2 20-27 hrs = 3 28+ hrs = 4				
Total Score				
THEA : Reading: Math: Writing:		Satisfied THEA?	Yes	No

APPLICATION DEADLINE

April 1, 2009

All applicants who have complete files are notified of acceptance or rejection by May 31, 2009. If you do not receive a letter, please contact Donna Wolfe at 984-6356. Please, **DO NOT CALL BEFORE** May 31, 2009. Every time we have to answer the phone delays getting the letters in the mail.

HEALTH EXAM

After acceptance into the Surgical Technology Program, students are required to have a physical examination at their own expense by the physician of their choice. Immunizations are available at the Port Arthur Health Department. The exam and any required immunizations must be completed before students begin their clinical.

A new regulation of the Texas Department of Health requires that each student complete the Hepatitis B vaccination series prior to contact with patients. It takes six months to complete the series so students who have not had the vaccinations should get them as soon as possible.

STUDENT POLICY REGARDING HIV STATUS

Effective September 1, 1991, the State of Texas bill, HB 7, imposed on all Texas health care professionals various requirements designed to prevent the transmission of HIV from health care workers to their clients. Under this law, health care workers include "individuals in the course of training or educational program in the health professions." Thus, the law applies to all the surgical technology students at Lamar State College-Port Arthur during the time they are involved in client care.

It is each LSC-PA student's responsibility to understand the legal and professional/ ethical ramifications of the law and to comply with the law's requirements. In general, the law requires that all health care workers adhere to Standard Precautions and that individuals with exudative lesions (draining sores) or weeping dermatitis (reddened areas that leak clear fluid) refrain from direct client care and the handling of client equipment and devices used in invasive procedures until the condition resolves. To insure that all students are familiar with Standard Precautions, a course in Standard Precautions is included in the Surgical Technology program.

BACKGROUND CHECKS

At the time of acceptance into the LSC-PA Vocational Nursing Program a student must undergo a criminal background check. This is completed through the organization designated by the Allied Health Department and at the student's expense (current cost is \$38.00). This background check is required by the clinical facilities which provide direct patient care experience to LSC-PA students. This ensures uniform compliance with Joint Commission standards pertaining to human resource management. Successful completion of a background check does not guarantee licensure or employment after graduation. Full acceptance into the nursing program is contingent upon satisfactory results.

MALPRACTICE INSURANCE

Students are required to maintain malpractice insurance during the nursing program. At the time of acceptance a student must submit the required fee (\$18.13 money order) along with the acceptance reply form.

FINANCIAL AID

Financial Aid consists of several programs funded by federal and state governments to help college students defray expenses while attending college. The types of financial aid available at LSC-PA are:

Grants - Money awarded that is not repayable

Work Study - Money the student earns through employment at the college

Out-of-state students, please note that guaranteed student loans are NOT available at LSC-PA! To apply for financial aid you must complete and mail the Free Application for Federal Student Aid (FAFSA) provided by the College Scholarship Service to determine if you are eligible for aid. The form is available in the Office of Student Financial Aid.

Anyone who will need financial aid should obtain application forms from the Financial Aid Office at Lamar-Port Arthur and **APPLY for it NOW**. It takes approximately eight weeks to process the financial aid application so you should **APPLY AS SOON AS POSSIBLE!** Do not wait until you are accepted into the program or your money will not arrive in time for registration.

Students are expected to meet established standards for academic progress to remain eligible for financial aid. Complete information about those standards is available from the Financial Aid Office.

LAMAR STATE COLLEGE-PORT ARTHUR
Surgical Technology

ESTIMATED PROGRAM FEES

Prerequisite Courses

Tuition and fees: \$3,000

Fall Semester

Tuition:	\$ 1,900
Physical exam	\$ 100
Liability	\$ 25
Uniform	\$ 250
Books	\$ 900
Supplies and workshop	<u>\$ 200</u>
Total	\$3,375

Spring Semester

Tuition and fees: \$ 1,500

Summer I + II:

Tuition and fees:	\$ 1,500
Standardized exit exam	\$ 50
Certification Exam	\$ 80
Cap, gown and diploma	\$ 45
Pictures	\$ 25
AST student membership fee	<u>\$ 35</u>
Total	\$ 1,735

Grand Total \$ 9,610

Lamar State College-Port Arthur
Surgical Technology Program Associate of Applied Science Degree*
Revised Curriculum Effective Summer 2004*

Course #	Pre-Requisite Courses	Credit Hours		
NURA 1301	Nurse Aide for Health Care Organizations I		3	
NURA 1160	Clinical - Nursing Assistant/Aide		1	
BIOL 2401	Human Anatomy and Physiology		4	
BIOL 2402	Human Anatomy and Physiology		4	
BIOL 2420	Introduction to Microbiology		4	
HITT 1305 or SRGT 1301	Medical Terminology		3	
SPCH 1315	Public Speaking		3	
22 Total Credit				
Hours				
Course #	Fall	Credit Hours		
SRGT 1505	Introduction to Surgical Technology		5	
SRGT 1509	Fundamentals of Perioperative Concepts and Techniques		5	
SRGT 1360	Clinical - Surgical/Operating Room Technology		3	
ELECTIVE	Social/Behavioral Science Elective		3	
16 Total Credit				
Hours				
Course #	Spring	Credit Hours		
SRGT 1441	Surgical Procedures I		4	
SRGT 1461	Clinical - Surgical/Operating Room Technology		4	
ITSC 1401 COSC 1301	Introduction to Computers or Micro-Computers I		3-4	
ENGL 1301	Composition		3	
	Elective-Humanities or Fine Arts		3	
17-18 Total Credit				
Hours				
Course #	Summer (I & II Combined)	Credit Hours		
SRGT 1442	Surgical Procedures II		3	
SRGT 1462	Clinical - Surgical/Operating Room Technology		4	
SRGT 2130	Professional Readiness		1	
9 Total Credit				
Hours				
64-65 Total Program Hours				

* Pending Board of Regents and Texas Higher Education Coordinating Board Approval

Lamar State College - Port Arthur is an equal opportunity/affirmative action institution that does not discriminate based on race, color, sex, religion, age, disability, or ethnic origin.

**Lamar State College-Port Arthur
Surgical Technology Program Certificate
Revised Curriculum Effective Summer 2004***

Course #	Pre-Requisite Courses	Credit Hours		
NURA 1301	Nurse Aide for Health Care Organizations I		3	
NURA 1160	Clinical - Nursing Assistant/Aide		1	
BIOL 2401	Human Anatomy and Physiology		4	
BIOL 2402	Human Anatomy and Physiology		4	
BIOL 2420	Introduction to Microbiology		4	
HITT 1305 or SRGT 1301	Medical Terminology		3	
Credit Hours - 17				
Course #	Fall	Credit Hours		
SRGT 1505	Introduction to Surgical Technology		5	
SRGT 1509	Fundamentals of Perioperative Concepts and Techniques		5	
SRGT 1360	Clinical - Surgical/Operating Room Technology		3	
Credit Hours - 13				
Course #	Spring	Credit Hours		
SRGT 1441	Surgical Procedures I		4	
SRGT 1461	Clinical - Surgical/Operating Room Technology		4	
ENGL 1301	Composition		3	
ITSC 1401 COSC 1301	Introduction to Computers or Micro-Computers I		3-4	
Credit Hours – 14-15				
Course #	Summer (I & II Combined)	Credit Hours		
SRGT 1442	Surgical Procedures II		3	
SRGT 1462	Clinical - Surgical/Operating Room Technology		4	
SRGT 2130	Professional Readiness		1	
Credit Hours - 9				
Program Total Credit Hours - 53-54				

* Pending Board of Regents and Texas Higher Education Coordinating Board Approval

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SURGICAL TECHNOLOGY PROGRAM COURSE DESCRIPTIONS

NURA 1301 Nurse Aide for Health Care Organizations I

Course Description: Preparation for entry level nursing assistants to achieve a level of knowledge, skills, and abilities essential to provide basic care to residents of long-term care facilities. Topics include resident's rights, communication, safety, observation, reporting and assisting residents in maintaining basic comfort and safety. Emphasis on effective interaction with members of the health care team.

Learning Outcomes: The student will provide basic care to residents in a long-term care facility; communicate and interact effectively with residents and their families based on sensitivity to the psychosocial needs; and assist residents in attaining and maintaining basic comfort and safety. The student will protect, support, and promote the rights of the residents; provide safety and preventive measures in the care of residents; demonstrate skills in observing and reporting; and function effectively as a member of the health care team.

Mandatory Co-requisite: NURA 1160 Clinical - Nursing Assistant/Aide

NURA 1160 Clinical - Nursing Assistant/Aide

Course Description: A method of instruction providing detailed education, training and work-based experience, and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation, and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary.

Course Learning Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry.

Mandatory Co-requisite: NURA 1301 Nurse Aide for Health Care Organizations I

SRGT 1301 Medical Terminology

Course Description: Study of the basic structure of medical words including prefixes, suffixes, roots, combining forms, plurals, pronunciation, spelling, and the definitions of medical terms. Emphasis is on building a professional vocabulary required for employment within the allied health care field.

Course Learning Outcomes: The student will identify, spell, pronounce, and define root words, prefixes, and suffixes utilized in a basic medical-surgical vocabulary; build basic medical terms using prefixes, suffixes, root words, and combining forms; and define medical terms related to anatomy, physiology, laboratory tests, surgery, pathology, and radiology.

SRGT 1505 Introduction to Surgical Technology

Course Description: Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences and patient care concepts.

Course Learning Outcomes: The student will explain the physical, interpersonal, and ethical aspects of the operating room environment; relate basic concepts of surgical pharmacology and anesthesia; and identify and demonstrate patient care concepts.

Pre-requisites: BIOL 2401 Human Anatomy and Physiology
BIOL 2402 Human Anatomy and Physiology
BIOL 2420 Introduction to Microbiology
SRGT 1301 Medical Terminology

Mandatory Co-requisite(s): SRGT 1360 – Clinical
SRGT 1509 – Fundamentals of Perioperative Concepts and Techniques

SRGT 1509 Fundamentals of Perioperative Concepts and Techniques

Course Description: In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field.

Course Learning Outcomes: The student will identify and demonstrate principles and practices of

aseptic techniques; explain infectious processes and concepts of wound healing; and create and maintain a sterile field utilizing basic case preparation and procedures.

Mandatory Co-requisite: SRGT 1360 Clinical

SRGT 1360 Clinical – Surgical Technology

Course Description: Health-related, work-based experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Course Learning Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry.

Mandatory Co-requisite: SRGT 1505 - Introduction to Surgical Technology
SRGT 1509 - Fundamentals of Perioperative Concepts and Techniques

SRGT 1441 Surgical Procedures I

Course Description: Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, OB/GYN, genitourinary, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

Course Learning Outcomes: The student will relate the relevant anatomy and pathology to indications for selected surgical procedures; summarize patient preparation for selected surgical procedures; select appropriate instruments, equipment, and supplies and reconstruct the sequence for selected surgical procedures; and identify expected outcomes and possible complications for selected procedures.

Mandatory Prerequisites: SRGT 1505 Introduction to Surgical Technology
SRGT 1509 Fundamentals of Perioperative Concepts and Techniques
SRGT 1360 Clinical

Mandatory Co-requisite: SRGT 1461 Clinical

SRGT 1461 Clinical – Surgical Technology

Course Description: Health-related, work-based experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Course Learning Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry.

Mandatory Co-requisite: SRGT 1441 Surgical Procedures I

SRGT 1442 Surgical Procedures II

Course Description: Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the thoracic, peripheral vascular, plastic/reconstructive, EENT, cardiac, and neurological surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

Course Learning Outcomes: The student will relate the relevant anatomy and pathology to indications for selected surgical procedures; summarize patient preparation for selected surgical procedures; select appropriate instruments, equipment, and supplies and reconstruct the sequence for selected surgical procedures; and identify expected outcomes and possible complications for selected procedures.

Mandatory prerequisite: SRGT 1505 - Introduction to Surgical Technology
SRGT 1509 - Fundamentals of Perioperative Concepts and Techniques
SRGT 1360 Clinical
SRGT 1441 Surgical Procedures I
SRGT 1461 Clinical

PROGRAM OUTCOMES

The Surgical Technology Program provides education for entry-level competency into the profession of surgical technology. At the time of completion, a student should have approximately 750 hours in an operating room setting and 125-200 cases of first scrub experience. The Surgical Technology Program provides educational experiences that offer opportunities for the student to:

1. Develop a surgical consciousness that promotes maintenance of the sterile field.
2. Demonstrate basic surgical case preparation skills.
3. Perform the role of first scrub on all basic surgical cases.
4. Apply a systematic problem-solving process in providing care to clients undergoing surgery.
5. Practice within the legal and ethical framework of the surgical technologist.
6. Accept responsibility for practicing self-evaluation, self-development, and continuing education.
7. Apply effective communication skills to maintain interpersonal relationships.
8. Assume responsibility for increasingly complex skills and self-directed learning.
9. Collaborate with clients, families, and other members of the surgical care team in providing care to clients undergoing surgical procedures.
10. Support the ethical values of the surgical technologist by being accountable and responsible for one's own practice and actions.
11. Support professional surgical technology organizations.

CERTIFICATION

Students who complete the surgical technology program are entitled to take the national certifying exam through the National Board of Surgical Technology and Surgical Assisting (NBSTSA) provided all requirements are met. Students should take the certifying exam soon after graduation to acquire the credential of Certified Surgical Technologist (CST). The student is responsible for contacting the NBSTSA to arrange for the certification exam.

CST CREDENTIAL

To use the designation of CST (Certified Surgical Technologist) one must pass the exam and every 4 years renew the certification. The current requirement is 60 hours of continuing education every 6 years for certification renewal or you may take the ST exam. This serves as validation and documentation of the surgical technologist's qualifications.

**LAMAR STATE COLLEGE-PORT ARTHUR
SURGICAL TECHNOLOGY PROGRAM
APPLICATION - SUMMER 2009 CLASS**

Name: _____
(First) (Middle) (Last)

Address: _____
(Number, Street)

(City) (State) (Zip)

Social Security # _____ Telephone: (____) _____

E-mail: _____

In Case of emergency contact: _____
(Name)

(City, State) (Telephone)

Have you ever attended an Allied Health Program? YES _____ NO _____

If Yes, Where Attended _____

If you did not complete the program, please explain: _____

Have you taken classes at Lamar State College-Port Arthur? YES _____ NO _____

List all other institutions of higher education that you have attended.

Do you have a certificate/Degree in another field? YES _____ NO _____

What field? _____

I certify that the above statements are true.

Signature of Applicant

Date

RECORD OF COURSE COMPLETION

Please name the college, the semester you took the course, and the grade you made in each of the following courses.

NOTE: For each course you have completed, you must attach a transcript documenting your grade and course completion even if you completed all or part of your coursework on the Lamar State College-Port Arthur campus.

Name:		SS:	
Course:	College	Semester	Grade
Human Anatomy & Physiology (BIOL 2401)			
Human Anatomy & Physiology (BIOL 2402)			
Basic Nursing (NURA 1301 & NURA 1160)			
Introductory Microbiology (BIOL 2420)			
Medical Terminology (SRGT 1301 or HITT 1305)			
Total Credit Hours of Academic Courses (Grade C or better, excluding prerequisites) 1-9 hrs= 1 10-19 hrs = 2 20-27 hrs = 3 28+ hrs = 4			
THEA : Reading: Math: Writing:	Satisfied THEA	Yes	No

LAMAR STATE COLLEGE-PORT ARTHUR

VOLUNTARY SURVEY

Government agencies **require** periodic reports on the sex, ethnicity, handicap, veteran and other protected status of applicants. This data is for analysis and possible affirmative action only.

Check one:

Male _____ Female _____

Age: _____ Date of Birth: _____

Check one of the following:

Race/Ethnicity Group:

White _____ Black _____ Hispanic _____

American Indian/Alaska Native

Asian/Pacific Islander _____ Other (Specify) _____

Check if any one of the following are applicable:

Vietnam Era Veteran _____ Disabled Veteran _____ Handicapped _____