

North Arkansas College SURGICAL TECHNOLOGY PROGRAM

PHILOSOPHY

The Surgical Technology Program at North Arkansas College offers a nine-month certificate program and a two-year Associate of Applied Science Degree. The college provides an opportunity for education in the surgical technology field for individuals who commit to the values of providing high quality and cost effective health care to all people.

The goal of education for the Surgical Technology student is to attain the values of excellence, integrity, flexibility, service, and teamwork in implementing surgical technology theory and clinical principles in providing quality patient care.

The surgical technology program provides students with the opportunity to develop the knowledge and skills necessary to gain employment as a surgical technologist and become a contributing member of the health care team. The selective admission criteria for the program will admit students who are capable of achieving the program outcomes. The development of a structured curriculum plan will ensure the learning progression of the surgical technology student in attaining the knowledge, behaviors and skills necessary to deliver quality patient care in the performance of the surgical technologist role.

Admission policies are non-discriminatory of race, creed, lifestyle, or handicaps. The student must be able to meet all course, clinical, and program objectives. The student must be able to deliver safe, efficient patient care as a member of the operating room team.

PROGRAM MISSION STATEMENT

The mission of North Arkansas College is to provide high quality, affordable, convenient opportunities for learning and community enrichment.

The mission of the surgical technology program is to provide accessible, quality education designed to prepare competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains and to provide a foundation for continued professional development.

The student will develop the knowledge, skills, and attitudes necessary to practice as a Certified Surgical Technologist. The program prepares students by providing clinical experiences with the student scrubbing a minimum of 120 cases. The program will meet or exceed the criteria set forth in the current CAAHEP Standards and Guidelines for Accreditation of Educational Programs in Surgical Technology and comply with the current AST Core Curriculum for Surgical Technology.

DESCRIPTION OF THE PROFESSION

Surgical Technologists are allied health professionals who are an integral part of the team of medical practitioners providing surgical care to patients in a variety of settings.

The Surgical Technologist works under medical supervision to facilitate the safe and effective conduct of invasive surgical procedures. This individual works under the

supervision of a surgeon to ensure that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety.

A Surgical Technologist possesses expertise in the theory and application of sterile and aseptic technique and combines the knowledge of human anatomy, surgical procedures and implementation tools and technologies to facilitate a physician's performance of invasive therapeutic and diagnostic procedures.

PROGRAM INFORMATION

The Surgical Technology Program prepares graduates to function in the operating room as members of the surgical team in delivering patient care and assuming appropriate responsibilities before, during, and after surgery. The curriculum combines classroom and laboratory instruction with actual surgical suite experience. The program prepares the surgical technologist for the primary responsibility of preparing the operating room and instruments, equipment and supplies that will be used; positioning and preparing the patient for surgery; and passing instruments, sponges and sutures to the surgeon. The surgical technologist may also function in the role of circulator; working outside the sterile field, responding to the needs of the surgical team.

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ACCREDITATION AND CERTIFICATION

The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), 25400 US Hwy 19 North, Suite 158, Clearwater, FL 33763, phone; 727-210-2350 web; www.caahep.org. North Arkansas College is accredited by North Central Association, Commission of Higher Learning.

Successful completion of the program prepares the graduate to write the National Certification Examination to become a Certified Surgical Technologist (CST). Upon graduation, the graduate is eligible to apply to take the national Certifying Examination which is administered nationwide by the National Board of Surgical Technology and Surgical Assisting (NBSTSA). To meet eligibility requirements for taking the examination; students must show proof of completion of an accredited program. Upon passing the Certification Exam, the surgical technologist is a Certified Surgical Technologist (CST).

Students enrolled in the Surgical Technology Program must take the certification exam using WBT-On Campus testing to complete graduation requirements. The exam is administered within the range of 30 days before graduation to 30 days after graduation each year.

North Arkansas College awards a one academic year certificate or an Associate of Applied Science in Surgical Technology to graduates who achieve competence in surgical technology and clinical performance; provide quality patient care; and accept the responsibility for continued professional growth as a member of the operating room team, as an individual, and as a citizen of the community.

PROGRAM ADMISSION CRITERIA

The curriculum in Surgical Technology is a full-time program, requiring a full-time commitment from its students. The faculty of the Surgical Technology program strongly discourages its students from full-time or part-time employment. Students with financial difficulties should discuss alternatives to employment with the Financial Aid Office. The schedule of students requires a flexible lifestyle as clinical experience is held at area facilities during assigned hours. Because of this, transportation, childcare, and any employment should be considered prior to entry into the program. Some classes may require more than the scheduled time (i.e. individual practice time in the skills lab) for an individual to meet the learning objectives. Students should plan schedules to be able to meet these learning expectations.

Changes in the student's name, address, or telephone number must be reported to the Surgical Technology Program Director and the Registrar.

ADMISSION REQUIREMENTS:

Students are admitted into Surgical Technology for the fall semester. To be eligible for admission, the student must:

1. Be accepted as a student in the college (see admission procedures in Northark's College Catalog or on the Northark website www.northark.edu).

2. Complete and submit the Surgical Technology application to the Program Director before April 1.
3. Make an appointment with the Surgical Technology Program Director for consultation and observation.
4. Have an official high school transcript or GED scores on file in the Registrar's office.
5. Have completed the ACT and/or Compass Test and have scores sent to Northark (see College Requirements for Placement). Transfer students must submit a complete Official Transcript from colleges/universities attended to the Registrar's office by April 1. Transcripts must be official, which means that they must be sent directly from the school to the registrar's office.
6. Must complete all college preparatory classes based on his/her scores on the ACT, or Compass test with a "C" or above before being accepted into the Surgical Technology Program.
7. Have an overall GPA of 2.0 or higher.
8. Have a minimum grade of "C" in each prerequisite course to the Surgical Technology Program and in each course required in the Surgical Technology curriculum.
9. Complete an observation rotation in the operating room prior to April 1.
10. Have three completed reference forms from employers, teachers, medical personnel, etc. on file by April 1. Please request person completing the reference form to send the reference form directly to the Program Director using the address listed on the reference form. Distribute to individuals who are able to comment on your academic potential, work performance, or potential to function in a healthcare field.

Students must meet admission requirements 1-10 listed above by April 1. Applicants applying after the deadline will be considered for admission if space is available and they meet the admission criteria stated in the admission requirements.

Students who are offered a place in the entering class must accept by phone or in writing by the date indicated on the acceptance letter and submit the following health documents.

11. Health documentation must include the following:
 - **MMR** Two MMRs or documentation of a positive rubella titer
 - **Hepatitis B Vaccine Series or Titer-Screening** Hepatitis B vaccine series consists of 3 injections over a 6 month time period. Arrangements for the first injection may be made immediately upon acceptance into the program. Follow with the second injection one month after the first injection. The third injection of the series is given 6 months after the first injection. Documentation of Hepatitis B vaccination series or a positive titer screening must be submitted to the program director.
 - **Tdap** The Tetanus, Diphtheria, Pertussis (Tdap) immunization is needed every 10 years to be protected
 - **TB Test** Two negative tuberculin tests must be provided. The TB test must remain current throughout the program. TB testing is required annually. If student has been tested annually, please provide documentation of current TB skin test as well as last annual TB skin test. If student has not been tested annually, please provide documentation of 2 recent TB skin tests.
 - **Varicella** Vaccination series of 2, or a positive titer-screening
 - **CPR** Current CPR Certification (**American Heart Association – BLS Healthcare Provider**).

Information on obtaining immunizations or titers will be provided to students upon acceptance in to the program and will be due upon confirmation of acceptance. It is the student's responsibility to ensure immunizations are current for the duration of the program. Students who are not in compliance with these requirements will be unable to meet clinical requirements and will not be allowed to continue in the program.

OTHER PROGRAM REQUIREMENTS:

The student must:

- attend a **mandatory** orientation meeting.
- be certified in cardiopulmonary resuscitation (CPR) prior to entry into the Surgical Technology program. Students must maintain certification through program. The student will provide evidence of "Health Care Provider Course" CPR from the American Heart Association.
- carry malpractice insurance which is included in the health professions program fee.
- submit to criminal background check. Fee is included in health profession program fee.
- participate as members of their professional organization. Membership fee is included in the health professions program fee.
- take the National Certification Examination. Group testing is available in the Northark Certification Center. The fee for the certification exam is assessed with spring semester registration.
- submit to a **10-panel UA Drug Screen** – Students must complete a 10-Panel UA Drug Screen at the designated time or upon request. If the screen comes back positive, the student must forfeit their place in the program. A student taking any prescription drug that will or may show up in a drug screen must be able to produce a valid drug prescription in their name.

Students not accepted may reapply for the next class. Students must meet all admission requirements and resubmit a new application to be considered for enrollment in the next class. The student will be subject to any revised standards and requirements in effect at the time of re-application or re-entry.

Students who withdraw from the program for any reason must again meet eligibility requirements and reapply for admissions.

TRAVEL AND TRANSPORTATION:

Students must have available transportation to the college and the following clinical sites.

- North Arkansas Regional Medical Center, Harrison, Arkansas
- Cox-Branson, Branson, Missouri
- Baxter Regional Medical Center, Mountain Home, AR
- Conway Regional Health Systems, Conway, AR
- Mercy-Berryville, Berryville, Arkansas
- Ozark Health Medical Center, Clinton, Arkansas
- Harrison Surgery Center, Harrison, Arkansas, Mountain Home, Arkansas
- Dr. Chris Taylor Surgery Center, Harrison, Arkansas

The distances required in reaching clinical facilities will vary depending on where the student lives and where the student is assigned for clinical experiences. Clinical is required two to three days per week. Students are expected to have safe, reliable transportation to and from their assigned destination.

DRUG SCREENING AND BACKGROUND CHECKS:

Please be aware that clinical agencies require criminal background checks and drug screening* on all people working in their facilities. Criminal background checks and drug screening will be required before students are permitted in clinical facilities. As a student, you will fall under the policies of the institution in which you will do your clinical. If random drug screening is done on the unit you are working on that day, you may become a part of that screening.

Clinical Education Sites have the right to refuse students at their facilities. If you are unable to meet the agencies policies and are denied clinical access by any affiliating agency, you will be unable to complete the program.

*If you are taking any prescription drug that will or may show up in a drug screen, you must be able to produce a valid drug prescription in your name.

Americans with Disabilities Act, Implications for Surgical Technology Majors:

Students with documented disabilities who are applying for admission to North Arkansas College Nursing and Allied Health Programs will be welcome according to the guidelines of the Americans with Disabilities Act (ADA) of 1990. Reasonable accommodations will be made for students who are disabled, but who have the abilities to assume the role of the surgical technician. These abilities include verbal and written communication, critical thinking, assessment of physical and psychosocial health status of patients, and performance of procedures including cardiopulmonary resuscitation. Students with disabilities will be evaluated on an individual basis by the faculty of the Surgical Technology Program as to their potential for success in a career in surgical technology after admission to the program. The student must be able to meet all course, clinical and program objectives and be able to deliver safe, efficient patient care as a member of the operating room team.

Once the completed application file is submitted to the Surgical Technology program, acceptance into the program will be based on the following:

EVALUATION OF APPLICATION FOR ACCEPTANCE:

Once a completed application is on file, acceptance into the program is based on data and grades in the following:

SCORING PROCEDURE:

1. Grade Point Average:
 minimum of overall 2.0 GPA is required
 - 4.0 - 3.6 = 50 points
 - 3.5 - 3.1 = 40 points
 - 3.0 - 2.6 = 30 points
 - 2.5 - 2.1 = 20 points
 - 2.0-minimum = 10 points

2. Points for courses applicable to the Surgical Technology Program:

| | | |
|-----------|----------------------|-----------|
| ALDH 1042 | ENGL 1013 | ENGL 1023 |
| CIS 1103 | MATH 1011 & MAT 1012 | PSYC 2003 |

with the following grades: A = 30 points B = 20 points C = 10 points

- Points for completing: BIOL 1434 Fundamentals of Anatomy & Physiology
BIOL 2214 Anatomy & Physiology I
BIOL 2224 Anatomy & Physiology II
BIOL 2014 Microbiology

with the following grades: A = 50 points B = 30 points C = 10 points

- Points from the three reference forms.
- Points from observation evaluation form.

All applicants will be ranked numerically and considered for available openings according to accrued points. Meeting all criteria and submitting an application does not guarantee admission into the Surgical Technology Program.

SELECTION PROCESS:

- Student selection for the available program openings will be determined using a point system.
- Students with the highest total points will be offered an opportunity to enroll in the program for the available openings.
- Students with extremely low point totals or those who are determined to be unsuitable candidates for the program may be denied entry into the program even if there are positions available.
- Unsuitability for entry into the program may include, but is not necessarily limited to, physical inability to perform the primary duties, insufficient academic performance, or background to allow the applicant to enroll into the program, and/or moral/ethical standards that are in conflict with the philosophy and ethics of the profession.

Meeting all criteria and submitting an application does not guarantee admission into the program. The number of students admitted may vary according to resources available prior to registration. Students meeting admission requirements who are accepted will be notified that they may register for surgical technology courses.

Students not accepted because of lack of resources may reapply for the next class. Students must meet all admission requirements and resubmit a new application for admission to be considered for enrollment in the next class. The student will be subject to any revised standards and requirements in effect at the time of re-application or re-entry.

Students who withdraw from the program for any reason must again meet eligibility requirements and reapply for admission.

Student Name _____

ADMISSION SCORE SHEET

1. High School Transcript or GED on file _____
 2. Accepted as student in college _____
 3. Application completed before April 1 _____
 4. Observation completed before April 1 _____
 5. Completed reference forms on file by April 1 _____
 6. ACT scores: ENG _____ MATH _____ RDG _____ SS _____ Composite _____
COMPASS scores: ENG _____ MATH _____ RDG _____
 7. College prep courses completed _____
 8. Official college transcripts on file _____
 9. Prerequisites completed with "C" or higher _____
 10. Consultation with Program Director _____
- Points for Grade Point Average _____
- Points for applicable courses taken _____
- Points for BIOL courses taken _____
- Points for reference forms _____
- Points for observation forms _____
- TOTAL POINTS _____

STUDENT RESPONSIBILITIES and ACCOMMODATIONS FOR STUDENTS WITH SPECIAL NEEDS

Student Responsibilities:

- Read the college catalog and all materials you receive during registration. These materials tell you what the college expects of you.
- Read the syllabus for each class. The syllabus tells you what the instructor expects from you.
- Attend all class meetings. Something important to learning happens during every class period. If you must miss a class meeting, talk to the instructor in advance about what you should do.
- Be on time. If you come in after class has started, you disrupt the entire class.
- Never interrupt another class to talk to the instructor or a student in that class.
- Be prepared for class. Complete reading assignments and other homework before class so that you can understand the lecture and participate in discussion. Always have pen/pencil, paper, and other specific tools for class.
- Learn to take good notes. Write down ideas rather than word-for-word statements by the instructor.
- Allow time to use all the resources available to you at the college. Visit your instructor during office hours for help with material or assignments you do not understand; use the library; use the free tutors, tapes, computers, and other resources in the Learning Assistance Center.
- Treat others with respect. Part of the college experience is being exposed to people with ideas values and backgrounds different from yours. Listen to others and evaluate ideas on their own merit.

Accommodations for Students with Special Needs:

North Arkansas College is committed to providing equal opportunity and equal access to college facilities, programs and services for all students in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans Disabilities Act of 1990 (ADA), The ADA Amendments Acts of 2008, and with subsequent state and federal legislation pertaining to individuals with disabilities and their rights.

Under the ADA, any person who has a physical or mental impairment substantially limiting one or more major life activities, has a record of such impairment, or is regarded as having such impairment, is considered a person with a disability.

In order to receive accommodations at Northark, a student must self-identify as an individual with a disability with the Northark disabilities coordinator. Students meet with the disabilities coordinator to create a plan of reasonable accommodations tailored to meet their individual needs.

All records concerning student disabilities are protected by the Family Education Rights and Privacy Act (FERPA). Student disability documentation and records of accommodations are kept completely separate from academic records and under normal circumstances are not shared with any persons outside Northark. (Exceptions usually involve danger to the student or another person or compliance with court orders.) Disability records do not follow students when they transfer to other colleges or universities and are not shared with employers.

To obtain further information on services and policies or to make an appointment, students should contact Kim Brecklein (870) 391-3338 for TDD or call (870) 391-3111 or e-mail kbrecklein@northark.edu.

Statement of Non-Discrimination

No person shall be excluded from participation in, denied the benefits of, or be subject to discrimination in the Surgical Technology Program at North Arkansas College on any basis prohibited by applicable law, including, but not limited to age, race, color, creed, national origin, religion, sex, marital status, or handicap. North Arkansas College is committed to a policy of non-discrimination in admissions, educational programs, or activities as required by applicable laws and regulations. Inquiries should be addressed to the Assistant Secretary for Civil Rights, U.S. Department of Education.

MENTAL & PHYSICAL ABILITIES STATEMENT

You should be aware of the mental and physical abilities required during the Northark Surgical Technology Program. The provision of safe patient care necessitates the student's ability to respond to multiple sensory and environmental cues. It is essential that the student be able to read, understand, and apply the information in textbooks and clinical records. It is essential that the student be able to effectively communicate with patients, families, and peers. The student must be able to tolerate stressful and physically taxing workloads. The student may be exposed to communicable or infectious disease, hazardous materials, and injury from performance of assigned duties.

The following abilities and skills are necessary to meet the requirements of the Surgical Technology program and for a successful professional career.

1. Frequent walking, ability to bend, stoop, sit or stand for long periods of time in one location with minimal/no breaks.
2. Be able to lift a minimum of 20 pounds and apply up to 10 pounds of pressure to bleeding sites or in performing CPR.
3. Be able to refrain from nourishment or restroom breaks for up to 6 hours.
4. Demonstrate sufficient visual acuity to load fine (10-0) sutures/needles onto needles and needle holders with/without corrective lenses and while wearing safety glasses.
5. Perform close and distant visual activities involving objects, people, and paperwork, as well as discriminate depth and color perception.
6. Demonstrate sufficient peripheral vision to anticipate function within the sterile field.
7. Be able to hear and understand muffled communication without visualization of communicators mouth/lips and within 20 feet.
8. Respond and react immediately to auditory instructions/requests, to hear activation/warning signals on equipment and communicate effectively without auditory impediment.
9. Be able to detect odors sufficient to maintain environmental safety and patient needs and to tolerate various odors.
10. Manipulate instruments, supplies, equipment with speed, dexterity, and good eye hand coordination.
11. Be able to ambulate/move around without assistive devices.
12. Be able to assist with and/or lift, move, position, and manipulate the patient who is unconscious with or without assistive devices.
13. Be able to effectively communicate, orally and in writing, using the English language, appropriate grammar, vocabulary and word usage.
14. Be free of reportable communicable disease and chemical abuse.
15. Be able to demonstrate immunity (natural or artificial) to Rubella, Tuberculosis, Varicella and Hepatitis B, or to be vaccinated against these diseases, or be willing to sign a waiver of release of liability regarding these diseases.
16. Possess short and long term memory sufficient to perform tasks such as, but not limited to mentally tracking surgical supplies and performing anticipation skills intra-operatively.
17. Be able to make quick appropriate judgment decisions in stressful situations.
18. Demonstrate use of positive coping skills under stress.
19. Demonstrate calm and effective responses, especially in an emergency.
20. Exhibit positive interpersonal skills during patient, staff, and faculty interactions by working well with others.

PROGRAM LEARNING OUTCOMES

Upon completion of the program:

1. Graduates of this program will be able to demonstrate competency of preoperative, intraoperative and postoperative skills in the lab and apply those skills to the clinical setting.
2. Graduates of this program will be able to recognize, explain, and implement the principles of asepsis during the phases of perioperative care.
3. Graduates of this program will be able to use effective interpersonal communication skills and apply ethical and legal concepts to the practices related to surgical patient care.
4. Graduates of this program will be able to apply practices of safe patient care in the perioperative setting.

REQUIRED COURSES IN CURRICULUM

SUR 1101 Introduction to Surgical Technology 1 credit hour 15 clock hrs/semester

This course introduces the student to the profession of surgical technology, the surgical team members, roles and responsibilities of the surgical technologists, personal and professional relations, the history of surgery, organization and management of various types of health care facilities, interdepartmental relationships, communication techniques, and legal, ethical, and moral aspects of practice.

Certificate Prerequisites - ALDH 1042 Medical Terminology, BIOL 1434 Fundamentals of Anatomy & Physiology or BIOL 2214 and 2224 Anatomy and Physiology I and II.

AAS Prerequisites - ALDH 1042 Medical Terminology, BIOL 2214 Anatomy & Physiology I, BIOL 2224 Anatomy & Physiology II, BIOL 2014 Microbiology.

SUR 1102 Surgical Asepsis 2 credit hours 30 clock hrs/semester

This course emphasizes the principles of surgical asepsis and safety in the surgical environment.

Included are operating room attire, creating and maintaining the sterile field, scrubbing, gowning and gloving, development of the "surgical conscience", the study of microorganisms and their relationship to disease and illness, immunologic defense mechanisms, the process of infection, methods to control infection, wound healing, principles of sanitation, disinfection and sterilization.

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SUR 1103 Perioperative Fundamentals 3 credit hours 45 clock hrs/semester

This course provides the student with skills necessary to function as a surgical technologist. It emphasizes establishing and maintaining asepsis, basic case preparation, instrumentation, suture materials and usage, draping techniques, OR furniture and supplies, basic and specialty equipment, scrub and circulating roles and physical aspects of an operating room. It also teaches safety in the surgical environment and methods to establish, maintain and coordinate safe patient care.

Certificate Prerequisites - ALDH 1042 Medical Terminology, BIOL 1434 Fundamentals of Anatomy & Physiology or BIOL 2214 and 2224 Anatomy and Physiology I and II.

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SUR 1012 Lab Practicum I 2 credit hours 75 clock hrs/semester

Laboratory experience allows students to observe, and return demonstrate the principles and procedures taught in the classroom in a non-patient contact environment. This provides practicing of skills to achieve a satisfactory level of performance.

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AAS Prerequisites - ALDH 1042 Medical Terminology, BIOL 2214 Anatomy & Physiology I, BIOL 2224 Anatomy & Physiology II, BIOL 2014 Microbiology.

SUR 1112 Patient Care Concepts 2 credit hours 30 clock hrs/semester

This course provides fundamental principles and skills of basic patient care concepts to include pediatric, geriatric, and patient with special needs. It includes preoperative preparation, positioning and prepping, care of specimens, vital signs, urethral catheterization, hemostasis, fluid and blood replacement and documentation. Students are also introduced to surgical pharmacology, concepts of anesthesia and emergency protocol.

Certificate Prerequisites - ALDH 1042 Medical Terminology, BIOL 1434 Fundamentals Anatomy & Physiology or BIOL 2214 and 2224 Anatomy and Physiology I and II.

AAS Prerequisites - ALDH 1042 Medical Terminology, BIOL 2214 Anatomy & Physiology I, BIOL 2224 Anatomy & Physiology II, BIOL 2014 Microbiology. **SUR 1123 Surgical Procedures I 3 credit hours 45 clock hrs/semester**

This course familiarizes learners with surgical procedures. It emphasizes on patient care, surgical anatomy, equipment and supplies needed for procedures and surgical sequence. Students learn about pathophysiology, diagnostic tests, preoperative and postoperative care, and complications of surgery are discussed. Areas studied include diagnostic surgery, endoscopic surgery, general surgery, gastrointestinal surgery and obstetric and gynecological surgery.

Certificate Prerequisites - ALDH 1042 Medical Terminology, BIOL 1434 Fundamentals of Anatomy & Physiology or BIOL 2214 and 2224 Anatomy and Physiology I and II.

AAS Prerequisites - ALDH 1042 Medical Terminology, BIOL 2214 Anatomy & Physiology I, BIOL 2224 Anatomy & Physiology II, BIOL 2014 Microbiology.

SUR 1213 Clinical Practicum I 3 credit hours 160 clock hrs/semester

This course introduces the perioperative/surgical environment in a health care facility. It includes supervised clinical experience in application of learned theory and principles, basic patient care procedures, aseptic techniques, safe practice, and beginning skills of sterilization and disinfection. Students will be assigned to cases in the operating room where they will learn to become proficient in their skills.

Certificate Prerequisites - ALDH 1042 Medical Terminology, BIOL 1434 Fundamentals of Anatomy & Physiology or BIOL 2214 and 2224 Anatomy and Physiology I and II.

AAS Prerequisites - ALDH 1042 Medical Terminology, BIOL 2214 Anatomy & Physiology I, BIOL 2224 Anatomy & Physiology II, BIOL 2014 Microbiology.

SUR 1133 Surgical Procedures II 3 credit hours 45 clock hrs/semester

This course explores the areas of orthopedic surgery, genitourinary surgery, ophthalmic surgery and ear, nose and throat surgery. It emphasizes patient care, surgical anatomy, supplies and equipment needed, sequence of procedures, pathophysiology, diagnostic tests, preoperative and postoperative care and complications of surgical procedures.

Prerequisites - SUR 1101, SUR 1102, SUR 1103, SUR 1111, SUR 1112, SUR 1123

SUR 1121 Lab Practicum II 1 credit hour 45 clock hrs/semester

This course emphasizes the application of advanced principles, of patient care, case preparation and procedures in a non-patient contact environment.

SUR 1214 Clinical Practicum II 4 credit hours 192 clock hrs/8 weeks

This course is a continuation of SUR 1213 with a focus on moderately complex surgical cases. An increased level of proficiency is achieved in all areas of the operating room.

Prerequisites - SUR 1101, SUR 1102, SUR 1103, SUR 1111, SUR 1112, SUR 1123, SUR 1213

SUR 1143 Advanced Surgical Procedures 3 credit hours 45 clock hrs/sem.

This course emphasizes the specialty areas of plastic and reconstructive surgery, thoracic, peripheral and cardiovascular surgery and neurosurgery.

Prerequisites - SUR 1133, SUR 1214

SUR 1224 Clinical Practicum III 4 credit hours 192 clock hrs/8-week course

This course is a continuation of clinical coursework in all subspecialty areas of the operating room at an advanced level.

Prerequisites - SUR 1133, SUR 1214

Upon successful completion of

- SUR 1101 Introduction to Surgical Technology
- SUR 1102 Surgical Asepsis
- SUR 1103 Perioperative Fundamentals
- SUR 1012 Lab Practicum I
- SUR 1112 Patient Care Concepts
- SUR 1123 Surgical Procedures I
- SUR 1213 Clinical Practicum I

the student may then enroll in

- SUR 1133 Surgical Procedures II
- SUR 1214 Clinical Practicum II
- SUR 1143 Advanced Surgical Procedures
- SUR 1224 Clinical Practicum III
- SUR 1121 Lab Practicum II.

ALDH 1041,2,3 Medical Terminology (1-3) 1-3L

This course studies terminology used in all areas and levels of the health care professions. Emphasis is on understanding with proficiency medical words, their derivatives, and the formation of related terms.

BIOL 1434 Fundamentals of Anatomy and Physiology (4) 3L, 2LL

This course studies the fundamentals of anatomy and physiology of the human body with emphasis on body structure, functions of each body system, and basic chemistry. Prerequisites: ACT Reading score of 19 or higher (83 on Compass) or CP 0913 with a "C" or better or co-requisite of CP 0912.

BIOL 2014 Microbiology (4) 3L, 4LL

The lecture part of this course places the emphasis on basic concepts of bacteria, viruses, fungi, metazoans, protozoans, and immunological principles as they relate to man and his environment. In the laboratory, emphasis is on identification and handling of microorganisms. Prerequisite: A "C" or better in any college-level biology course AND a "C" or better in CHEM 1004 or 1214 or 1415 or a "B" or better in each of two semesters of high school chemistry.

BIOL 2214 Anatomy and Physiology I (4) 3L, 2LL

This study introduces the anatomy and physiology of the human body with emphasis on body structure and function. Topics covered will include chemical, cellular, and tissue level of organization; integumentary, skeletal, muscular, and nervous systems. Prerequisite: A "C" or better in CHEM 1004 or 1214 or 1415 or a "B" or better in each of two semesters of high school chemistry.

BIOL 2224 Anatomy and Physiology II (4) 3L, 2LL

This course studies in detail the anatomy and physiology of the human body with emphasis on body function. Topics covered will be the special senses; endocrine, cardiovascular, respiratory, digestive, urinary, and reproductive systems; metabolism; fluid-electrolyte and acid-base balance; and genetics. Prerequisite: A "C" or better in BIOL 2214.

GRADUATION REQUIREMENTS

The Associate of Applied Science in Surgical Technology is awarded to students who:

- a. earn a minimum of 60 credits with a cumulative grade point average of 2.00 or above.
- b. earn a "C" or above in all courses required in the surgical technology curriculum.
- c. fulfill all program course requirements.
- d. apply for and take the National Certification Examination administered by the National Board of Surgical Technology and Surgical Assisting-NBSTSA.
- e. file an application for graduation form with the Registrar's Office within the specified time limits.

A certificate in Surgical Technology is awarded to students who:

- a. earn a minimum of 37 credits with a cumulative grade point average of 2.00 or above.
- b. earn a "C" or above in all courses required in the surgical technology curriculum.
- c. fulfill all program course requirements.
- d. apply for and take the National Certification Examination administered by the National Board of Surgical Technology and Surgical Assisting-NBSTSA.
- e. file an application for graduation form with the Registrar's Office within the specified time limits.

All candidates for graduation must make application by November 1 for fall graduation, March 1 for spring graduation, April 1 for summer graduation if participating in commencement, and June 1 for summer graduation to be sure they have satisfied the requirements for graduation. To qualify as an associate degree, certificate of general studies, technical certificate or certificate of proficiency graduate from North Arkansas College, a student must:

1. Complete all course requirements for the certificate or degree as outlined in North Arkansas College's current catalog.
2. Achieve a cumulative GPA of 2.0 or higher.
3. Complete through Northark at least 15 hours of credit for an associate degree or technical certificate.
4. Students have the option of graduating under the requirements of the catalog in effect at the time of initial enrollment, or any subsequent issue while continuously enrolled, but they must complete all degree requirements and apply for graduation within four (4) years of the catalog selected. This does not apply to programs that have been deleted from the curriculum. In the case of program deletions, those students majoring in these areas will be notified as soon as possible of this action.

Academic Honors will be awarded to students graduating with a 3.70-4.00 cumulative grade point average. The cumulative GPA is based on Northark coursework taken through the semester in which application of the degree is awarded.

NORTH ARKANSAS COLLEGE
Surgical Technology Program

Estimated Program Cost Analysis
AAS Degree

Prerequisites & General Education Requirements

Fall Semester

| | |
|--|------------|
| Tuition (16 hours) | |
| Boone County Residents - | \$1,472.00 |
| Out-of-County Residents - | \$1,872.00 |
| Contiguous County Residents | \$2,272.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Residents - | \$3,040.00 |
| Science Lab Fee - | \$ 64.00 |
| <i>(\$8.00 Per Credit Hour)</i> | |
| Books - | \$700.00 |

Prerequisites & General Education Requirements

Spring Semester

| | |
|--|------------|
| Tuition (14 hours) | |
| Boone County Residents - | \$1,288.00 |
| Out-of-County Residents - | \$1,638.00 |
| Contiguous County Residents..... | \$1,988.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Residents - | \$2,660.00 |
| Science Lab Fee - | \$ 64.00 |
| <i>(\$8.00 Per Credit Hour)</i> | |
| Books - | \$ 650.00 |

Fall Semester

| | |
|--|-------------|
| Tuition (16 hours) | |
| Boone County Residents - | \$1,472.00 |
| Out-of-County Residents - | \$1,872.00 |
| Contiguous County Residents..... | \$ 2,272.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Residents - | \$3,040.00 |
| Health Professions Program Fee - | \$ 448.00 |
| <i>(\$28 per Program/Allied Health Course Credit Hour)</i> | |
| Books - | \$ 850.00 |
| Immunizations - | \$ 100.00 |
| 10 Panel UA Drug Screen - | \$30-100.00 |
| CPR Certification - | \$ 65.00 |
| Name Tag - | \$ 10.00 |
| Lab Coat - | \$ 30.00 |
| Uniforms (2) - | \$ 100.00 |
| Shoes - | \$ 60.00 |
| Safety Glasses - | \$ 10.00 |

Spring Semester

| | |
|--|------------|
| Tuition (15 hours) | |
| Boone County Resident - | \$1,380.00 |
| Out-of-County Resident - | \$1,755.00 |
| Contiguous County Residents - | \$2,130.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Resident - | \$2,850.00 |
| Health Professions Program Fee - | \$ 420.00 |
| <i>(\$28 per Program/Allied Health Course Credit Hour)</i> | |
| Books - | \$ 150.00 |

****Totals**

| | |
|--|-------------|
| Boone County Residents..... | \$ 9,433.00 |
| Out-of-County Residents..... | \$10,958.00 |
| Contiguous County Residents-..... | \$12,483.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Residents..... | \$15,411.00 |

Prices subject to change without notice.

Prices are listed as per the “Suggest Program of Study”

***Total cost will be reduced if pre-requisites are taken at another accredited institution.**

Revised 06/14
Revised 07/15
Revised 10/16
Revised 10/17

North Arkansas College
Surgical Technology Program

Estimated Program Cost Analysis
Certificate Program

Prerequisites

| | |
|--|------------|
| Tuition (6 hours) | |
| Boone County Residents - | \$ 552.00 |
| Out-of-County Residents - | \$ 702.00 |
| Contiguous County Residents - | \$ 852.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Residents - | \$1,140.00 |
| Science Lab Fee - | \$ 32.00 |
| <i>(\$8.00 Per Credit Hour)</i> | |
| Books - | \$ 300.00 |

Fall Semester

| | |
|--|-------------|
| Tuition (16 hours) | |
| Boone County Residents - | \$1,472.00 |
| Out-of-County Residents - | \$1,872.00 |
| Contiguous County Residents..... | \$2,272.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Residents - | \$3,040.00 |
| Health Professions Program Fee - | \$ 448.00 |
| <i>(\$28 per Program/Allied Health Course Credit Hour)</i> | |
| Books - | \$ 850.00 |
| Immunizations - | \$ 100.00 |
| 10 Panel UA Drug Screen - | \$30-100.00 |
| CPR Certification - | \$ 65.00 |
| Name Tag - | \$ 10.00 |
| Lab Coat - | \$ 30.00 |
| Scrub Suit - | \$ 50.00 |
| Shoes - | \$ 50.00 |
| Safety Glasses - | \$ 10.00 |

Spring Semester

| | |
|--|------------|
| Tuition (15 hours) | |
| Boone County Resident - | \$1,380.00 |
| Out-of-County Resident - | \$1,755.00 |
| Contiguous County Residents - | \$2,130.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Resident - | \$2,850.00 |
| Health Professions Program Fee - | \$ 420.00 |
| <i>(\$28 per Program/Allied Health Course Credit Hour)</i> | |
| Books - | \$ 150.00 |

***Totals**

| | |
|--|------------|
| Boone County Resident | \$6,019.00 |
| Out-of-County Resident..... | \$6,944.00 |
| Contiguous County Residents..... | \$7,869.00 |
| <i>(Barry, Ozark, Stone & Taney in Missouri)</i> | |
| Out-of-State Resident..... | \$9,645.00 |

Personal expenses to consider are travel, meals, and child care services. Although we have made every effort to include all school expenses, we may have missed some. Hopefully any missed will be incidentals. The purpose of this is to help you budget your money for school expenses for the year; but whether or not it is included on this sheet, it is your responsibility to pay for the required supplies or services at the time they are due.

Prices subject to change without notice.

Prices are listed as per the “Suggest Program of Study”

*** *Total cost will be reduced if pre-requisites are taken at another accredited institution.***

Revised 06/14
Revised 07/15
Revised 07/16
Revised 10/17