

SURGICAL TECHNOLOGY CERTIFICATE PROGRAM

SURGICAL TECHNOLOGY CERTIFICATE PROGRAM OFFERS AN ESSENTIAL PATHWAY FOR INDIVIDUALS SEEKING TO ENTER THE HEALTHCARE FIELD AS SURGICAL TECHNOLOGISTS. THIS SPECIALIZED PROGRAM EQUIPS STUDENTS WITH THE TECHNICAL KNOWLEDGE, PRACTICAL SKILLS, AND CLINICAL EXPERIENCE NECESSARY TO ASSIST SURGEONS AND MEDICAL TEAMS IN THE OPERATING ROOM. DESIGNED FOR BOTH NEWCOMERS AND ALLIED HEALTH PROFESSIONALS AIMING TO ADVANCE THEIR CAREERS, THE SURGICAL TECHNOLOGY CERTIFICATE PROGRAM EMPHASIZES STERILE TECHNIQUES, MEDICAL INSTRUMENTATION, PATIENT SAFETY, AND TEAMWORK. AS THE DEMAND FOR SKILLED SURGICAL TECHNOLOGISTS CONTINUES TO GROW, COMPLETING SUCH A PROGRAM CAN SIGNIFICANTLY ENHANCE EMPLOYMENT OPPORTUNITIES AND PROFESSIONAL DEVELOPMENT. THIS ARTICLE WILL EXPLORE THE CORE COMPONENTS OF SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS, ADMISSION REQUIREMENTS, CURRICULUM DETAILS, CERTIFICATION PROSPECTS, AND CAREER OUTCOMES. THE COMPREHENSIVE OVERVIEW AIMS TO GUIDE PROSPECTIVE STUDENTS IN MAKING INFORMED DECISIONS ABOUT PURSUING THIS VITAL HEALTHCARE CERTIFICATION.

- OVERVIEW OF SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS
- ADMISSION REQUIREMENTS AND ELIGIBILITY
- CURRICULUM AND TRAINING COMPONENTS
- CERTIFICATION AND LICENSING FOR SURGICAL TECHNOLOGISTS
- CAREER OPPORTUNITIES AND JOB OUTLOOK
- BENEFITS OF COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM

OVERVIEW OF SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS

A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM IS A FOCUSED EDUCATIONAL TRACK DESIGNED TO PREPARE STUDENTS FOR IMMEDIATE ENTRY INTO THE SURGICAL SUPPORT FIELD. THESE PROGRAMS TYPICALLY SPAN FROM SEVERAL MONTHS TO ONE YEAR AND BLEND CLASSROOM INSTRUCTION WITH HANDS-ON CLINICAL EXPERIENCE. THE CURRICULUM EMPHASIZES THE PRINCIPLES OF ASEPTIC TECHNIQUE, SURGICAL PROCEDURES, ANATOMY, PHYSIOLOGY, AND MEDICAL TERMINOLOGY. GRADUATES ARE TRAINED TO ASSIST IN OPERATING ROOMS BY PREPARING EQUIPMENT, MAINTAINING A STERILE ENVIRONMENT, AND SUPPORTING SURGEONS DURING INVASIVE PROCEDURES. MANY PROGRAMS ARE ACCREDITED BY RECOGNIZED AGENCIES, ENSURING ADHERENCE TO HIGH EDUCATIONAL STANDARDS AND ENHANCING GRADUATE EMPLOYABILITY.

PROGRAM FORMATS AND DELIVERY METHODS

SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS ARE OFFERED IN VARIOUS FORMATS TO ACCOMMODATE DIVERSE STUDENT NEEDS. TRADITIONAL ON-CAMPUS PROGRAMS PROVIDE DIRECT ACCESS TO SIMULATION LABS AND CLINICAL PARTNERSHIPS. ALTERNATIVELY, HYBRID OR ONLINE PROGRAMS OFFER FLEXIBILITY WHILE STILL REQUIRING IN-PERSON CLINICAL ROTATIONS. THE CHOICE OF FORMAT DEPENDS ON INDIVIDUAL CIRCUMSTANCES, INCLUDING WORK COMMITMENTS AND GEOGRAPHIC LOCATION. REGARDLESS OF DELIVERY METHOD, ALL PROGRAMS EMPHASIZE PRACTICAL SKILLS DEVELOPMENT AND COMPLIANCE WITH HEALTHCARE REGULATIONS.

ADMISSION REQUIREMENTS AND ELIGIBILITY

ENTRY INTO A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM TYPICALLY REQUIRES A HIGH SCHOOL DIPLOMA OR EQUIVALENT. SOME INSTITUTIONS MAY ALSO MANDATE PREREQUISITE COURSEWORK IN BIOLOGY, CHEMISTRY, OR HEALTH SCIENCES. ENROLLMENT CRITERIA OFTEN INCLUDE A BACKGROUND CHECK AND IMMUNIZATION VERIFICATION DUE TO THE CLINICAL NATURE OF TRAINING. PROSPECTIVE STUDENTS MIGHT NEED TO DEMONSTRATE PROFICIENCY IN BASIC SCIENCE AND COMMUNICATION SKILLS,

AS THESE ARE CRITICAL FOR EFFECTIVE PERFORMANCE IN SURGICAL SETTINGS. ADDITIONALLY, SOME PROGRAMS PREFER OR REQUIRE HEALTHCARE EXPERIENCE, ALTHOUGH MANY ACCEPT STUDENTS WITHOUT PRIOR EXPOSURE.

COMMON ADMISSION PREREQUISITES

- HIGH SCHOOL DIPLOMA OR GED
- COMPLETION OF PREREQUISITE COURSES SUCH AS ANATOMY AND PHYSIOLOGY
- BACKGROUND CHECK AND DRUG SCREENING
- IMMUNIZATION AND HEALTH CLEARANCE
- MINIMUM GPA REQUIREMENTS, IF APPLICABLE

CURRICULUM AND TRAINING COMPONENTS

THE CURRICULUM OF A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM IS DESIGNED TO IMPART BOTH THEORETICAL KNOWLEDGE AND CLINICAL COMPETENCIES. CORE SUBJECTS INCLUDE SURGICAL PROCEDURES, MICROBIOLOGY, PHARMACOLOGY, PATIENT CARE, AND MEDICAL ETHICS. STUDENTS ENGAGE IN LABORATORY WORK TO PRACTICE STERILE TECHNIQUES AND INSTRUMENTATION HANDLING. CLINICAL EXTERNSHIPS OR ROTATIONS ARE INTEGRAL, PROVIDING REAL-WORLD EXPERIENCE IN HOSPITAL OR SURGICAL CENTER ENVIRONMENTS. THIS HANDS-ON TRAINING ENABLES STUDENTS TO APPLY CLASSROOM LEARNING TO ACTUAL SURGICAL SCENARIOS UNDER PROFESSIONAL SUPERVISION.

KEY TOPICS COVERED IN THE CURRICULUM

- SURGICAL ASEPSIS AND STERILE TECHNIQUES
- OPERATING ROOM PROTOCOLS AND SAFETY MEASURES
- IDENTIFICATION AND HANDLING OF SURGICAL INSTRUMENTS
- PATIENT POSITIONING AND DRAPING
- SURGICAL ANATOMY AND PHYSIOLOGY
- EMERGENCY PROCEDURES AND INFECTION CONTROL

CERTIFICATION AND LICENSING FOR SURGICAL TECHNOLOGISTS

UPON COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM, GRADUATES ARE OFTEN ELIGIBLE TO SIT FOR NATIONAL CERTIFICATION EXAMINATIONS. CERTIFICATION IS NOT UNIVERSALLY MANDATED BUT IS HIGHLY RECOMMENDED AND PREFERRED BY EMPLOYERS. THE MOST WIDELY RECOGNIZED CREDENTIAL IS THE CERTIFIED SURGICAL TECHNOLOGIST (CST) CERTIFICATION, ADMINISTERED BY THE NATIONAL BOARD OF SURGICAL TECHNOLOGY AND SURGICAL ASSISTING (NBSTSA). OBTAINING CERTIFICATION VALIDATES THE TECHNOLOGIST'S COMPETENCY AND COMMITMENT TO PROFESSIONAL STANDARDS. SOME STATES MAY REQUIRE LICENSURE OR REGISTRATION, WHICH USUALLY INVOLVES PASSING A CERTIFICATION EXAM AND FULFILLING CONTINUING EDUCATION REQUIREMENTS.

STEPS TO OBTAIN CERTIFICATION

1. COMPLETE AN ACCREDITED SURGICAL TECHNOLOGY CERTIFICATE PROGRAM
2. APPLY FOR THE CERTIFICATION EXAM THROUGH THE NBSTSA OR EQUIVALENT BODY
3. PASS THE CERTIFIED SURGICAL TECHNOLOGIST (CST) EXAM
4. MAINTAIN CERTIFICATION WITH CONTINUING EDUCATION AND PERIODIC RENEWAL

CAREER OPPORTUNITIES AND JOB OUTLOOK

GRADUATES OF SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS ARE WELL-POSITIONED TO ENTER A GROWING HEALTHCARE SECTOR WITH DIVERSE EMPLOYMENT OPPORTUNITIES. SURGICAL TECHNOLOGISTS WORK PRIMARILY IN HOSPITALS, OUTPATIENT SURGICAL CENTERS, AND SPECIALTY CLINICS. THE ROLE INVOLVES CLOSE COLLABORATION WITH SURGEONS, ANESTHESIOLOGISTS, AND NURSING STAFF TO ENSURE SAFE AND EFFICIENT SURGICAL PROCEDURES. ACCORDING TO LABOR STATISTICS, EMPLOYMENT OF SURGICAL TECHNOLOGISTS IS PROJECTED TO GROW AT A RATE FASTER THAN THE AVERAGE FOR ALL OCCUPATIONS, DRIVEN BY ADVANCES IN MEDICAL TECHNOLOGY AND AN AGING POPULATION REQUIRING MORE SURGERIES.

POTENTIAL JOB SETTINGS AND ROLES

- HOSPITAL OPERATING ROOMS
- AMBULATORY SURGERY CENTERS
- PHYSICIAN OFFICES AND CLINICS
- SPECIALTY SURGICAL PRACTICES (E.G., ORTHOPEDIC, CARDIOVASCULAR)
- MILITARY AND GOVERNMENT HEALTHCARE FACILITIES

BENEFITS OF COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM

COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM OFFERS NUMEROUS ADVANTAGES FOR INDIVIDUALS SEEKING A DYNAMIC HEALTHCARE CAREER. THE PROGRAM PROVIDES COMPREHENSIVE TRAINING THAT LEADS TO IMMEDIATE EMPLOYABILITY IN A CRITICAL MEDICAL SUPPORT ROLE. GRADUATES BENEFIT FROM COMPETITIVE SALARIES, OPPORTUNITIES FOR ADVANCEMENT, AND THE ABILITY TO WORK IN DIVERSE HEALTHCARE ENVIRONMENTS. FURTHERMORE, THE CERTIFICATE PROGRAM OFTEN SERVES AS A STEPPING STONE FOR FURTHER EDUCATION AND SPECIALIZATION WITHIN SURGICAL OR ALLIED HEALTH FIELDS. THE HANDS-ON EXPERIENCE AND PROFESSIONAL CERTIFICATION ENHANCE CREDIBILITY AND JOB SECURITY IN AN EVOLVING HEALTHCARE LANDSCAPE.

ADVANTAGES AT A GLANCE

- ACCELERATED ENTRY INTO THE HEALTHCARE WORKFORCE
- DEVELOPMENT OF SPECIALIZED CLINICAL SKILLS

- HIGH DEMAND FOR QUALIFIED SURGICAL TECHNOLOGISTS
- POTENTIAL FOR CAREER ADVANCEMENT AND SPECIALIZATION
- CONTRIBUTION TO PATIENT CARE AND SURGICAL OUTCOMES

FREQUENTLY ASKED QUESTIONS

WHAT IS A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM IS A SPECIALIZED EDUCATIONAL COURSE THAT TRAINS STUDENTS TO ASSIST SURGEONS AND OTHER MEDICAL PROFESSIONALS DURING SURGICAL PROCEDURES, FOCUSING ON STERILE TECHNIQUES, SURGICAL INSTRUMENTS, AND PATIENT CARE.

HOW LONG DOES IT TAKE TO COMPLETE A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

MOST SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS TAKE BETWEEN 9 MONTHS TO 1 YEAR TO COMPLETE, DEPENDING ON WHETHER THE PROGRAM IS FULL-TIME OR PART-TIME.

WHAT ARE THE ADMISSION REQUIREMENTS FOR A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

TYPICAL ADMISSION REQUIREMENTS INCLUDE A HIGH SCHOOL DIPLOMA OR GED, BACKGROUND CHECKS, IMMUNIZATIONS, AND SOMETIMES PREREQUISITE COURSES IN BIOLOGY OR ANATOMY.

WHAT SKILLS WILL I LEARN IN A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

STUDENTS LEARN SKILLS SUCH AS STERILE TECHNIQUES, SURGICAL INSTRUMENTATION, PATIENT POSITIONING, OPERATING ROOM PROTOCOLS, AND ASSISTING DURING SURGERIES.

IS CERTIFICATION REQUIRED AFTER COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

WHILE NOT ALWAYS MANDATORY, OBTAINING CERTIFICATION FROM ORGANIZATIONS LIKE THE NATIONAL BOARD OF SURGICAL TECHNOLOGY AND SURGICAL ASSISTING (NBSTSA) IS HIGHLY RECOMMENDED AND OFTEN PREFERRED BY EMPLOYERS.

WHAT JOB OPPORTUNITIES ARE AVAILABLE AFTER COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

GRADUATES CAN WORK AS SURGICAL TECHNOLOGISTS OR OPERATING ROOM TECHNICIANS IN HOSPITALS, OUTPATIENT SURGERY CENTERS, AND SPECIALIZED SURGICAL CLINICS.

HOW MUCH CAN I EXPECT TO EARN AS A CERTIFIED SURGICAL TECHNOLOGIST?

THE AVERAGE SALARY FOR A CERTIFIED SURGICAL TECHNOLOGIST IN THE U.S. RANGES FROM \$45,000 TO \$60,000 ANNUALLY, DEPENDING ON LOCATION AND EXPERIENCE.

ARE SURGICAL TECHNOLOGY CERTIFICATE PROGRAMS ACCREDITED?

YES, REPUTABLE PROGRAMS ARE ACCREDITED BY ORGANIZATIONS SUCH AS THE COMMISSION ON ACCREDITATION OF ALLIED HEALTH EDUCATION PROGRAMS (CAAHEP), ENSURING QUALITY EDUCATION AND ELIGIBILITY FOR CERTIFICATION EXAMS.

CAN I ADVANCE MY CAREER AFTER COMPLETING A SURGICAL TECHNOLOGY CERTIFICATE PROGRAM?

YES, GRADUATES CAN PURSUE FURTHER EDUCATION TO BECOME SURGICAL ASSISTANTS, REGISTERED NURSES, OR SPECIALIZE IN AREAS LIKE ORTHOPEDIC OR CARDIOVASCULAR SURGICAL TECHNOLOGY.

WHAT IS THE JOB OUTLOOK FOR SURGICAL TECHNOLOGISTS?

THE JOB OUTLOOK FOR SURGICAL TECHNOLOGISTS IS POSITIVE, WITH THE U.S. BUREAU OF LABOR STATISTICS PROJECTING EMPLOYMENT GROWTH OF ABOUT 7% FROM 2022 TO 2032, DUE TO INCREASING DEMAND FOR SURGICAL PROCEDURES.

ADDITIONAL RESOURCES

1. *INTRODUCTION TO SURGICAL TECHNOLOGY*

THIS COMPREHENSIVE TEXTBOOK PROVIDES AN ESSENTIAL FOUNDATION FOR STUDENTS ENTERING SURGICAL TECHNOLOGY PROGRAMS. IT COVERS THE PRINCIPLES OF ASEPTIC TECHNIQUE, SURGICAL PROCEDURES, AND PATIENT CARE IN THE OPERATING ROOM. THE BOOK IS DESIGNED TO HELP STUDENTS DEVELOP TECHNICAL SKILLS AND UNDERSTAND THE ROLES AND RESPONSIBILITIES OF THE SURGICAL TECHNOLOGIST.

2. *SURGICAL TECHNOLOGY FOR THE SURGICAL TECHNOLOGIST: A POSITIVE CARE APPROACH*

THIS BOOK EMPHASIZES PATIENT-CENTERED CARE WHILE TEACHING SURGICAL TECHNOLOGY CONCEPTS AND SKILLS. IT INTEGRATES CLINICAL PROCEDURES WITH THE IMPORTANCE OF COMMUNICATION, TEAMWORK, AND PROFESSIONALISM IN THE OR. DETAILED ILLUSTRATIONS AND STEP-BY-STEP INSTRUCTIONS HELP STUDENTS GAIN CONFIDENCE AND COMPETENCE.

3. *PRINCIPLES AND PRACTICE OF SURGICAL TECHNOLOGY*

OFFERING AN IN-DEPTH LOOK AT SURGICAL TECHNOLOGY, THIS TITLE COVERS EVERYTHING FROM BASIC ANATOMY TO COMPLEX SURGICAL PROCEDURES. IT INCLUDES DISCUSSIONS ON STERILIZATION, INSTRUMENTATION, AND SURGICAL EQUIPMENT MANAGEMENT. THE BOOK ALSO ADDRESSES ETHICAL AND LEGAL CONSIDERATIONS IN SURGICAL SETTINGS.

4. *SURGICAL TECHNOLOGY: FOUNDATIONS AND PRACTICE*

DESIGNED FOR BOTH BEGINNERS AND EXPERIENCED STUDENTS, THIS TEXT COVERS THE FUNDAMENTAL KNOWLEDGE AND PRACTICAL SKILLS NECESSARY FOR SURGICAL TECHNOLOGISTS. IT FEATURES CASE STUDIES, REVIEW QUESTIONS, AND HANDS-ON ACTIVITIES TO REINFORCE LEARNING. THE BOOK ALSO EXPLORES CURRENT TRENDS AND INNOVATIONS IN SURGICAL TECHNOLOGY.

5. *CERTIFICATION REVIEW FOR THE SURGICAL TECHNOLOGIST*

IDEAL FOR STUDENTS PREPARING FOR CERTIFICATION EXAMS, THIS REVIEW GUIDE OFFERS PRACTICE QUESTIONS, DETAILED ANSWER EXPLANATIONS, AND TEST-TAKING STRATEGIES. IT COVERS ALL CORE CONTENT AREAS, INCLUDING ANATOMY, SURGICAL PROCEDURES, AND STERILE TECHNIQUE. THE BOOK IS AN EXCELLENT RESOURCE FOR REINFORCING KNOWLEDGE AND BOOSTING EXAM CONFIDENCE.

6. *ESSENTIALS OF SURGICAL TECHNOLOGY*

THIS CONCISE TEXTBOOK FOCUSES ON THE KEY CONCEPTS AND SKILLS NEEDED FOR SURGICAL TECHNOLOGISTS TO SUCCEED IN CLINICAL SETTINGS. IT INCLUDES CLEAR ILLUSTRATIONS, CLINICAL TIPS, AND GUIDELINES FOR MAINTAINING A STERILE ENVIRONMENT. THE BOOK IS WELL-SUITED FOR QUICK REFERENCE AND EXAM PREPARATION.

7. *CLINICAL PROCEDURES FOR SURGICAL TECHNOLOGISTS*

THIS PRACTICAL GUIDE DETAILS VARIOUS SURGICAL PROCEDURES AND THE SPECIFIC RESPONSIBILITIES OF SURGICAL TECHNOLOGISTS DURING EACH OPERATION. IT DISCUSSES PREOPERATIVE, INTRAOPERATIVE, AND POSTOPERATIVE PHASES, EMPHASIZING SAFETY AND EFFICIENCY. THE BOOK ALSO ADDRESSES TEAMWORK AND COMMUNICATION IN THE SURGICAL SUITE.

8. *OPERATING ROOM TECHNIQUES AND PROCEDURES*

THIS TITLE OFFERS A DETAILED OVERVIEW OF THE TECHNIQUES AND PROTOCOLS USED IN THE OPERATING ROOM. IT COVERS INSTRUMENT HANDLING, SURGICAL DRAPING, PATIENT POSITIONING, AND EMERGENCY PROCEDURES. THE BOOK IS DESIGNED TO HELP STUDENTS DEVELOP PRECISION AND CONFIDENCE IN THEIR TECHNICAL SKILLS.

9. *ADVANCED CONCEPTS IN SURGICAL TECHNOLOGY*

TARGETING STUDENTS WHO WANT TO DEEPEN THEIR KNOWLEDGE, THIS BOOK EXPLORES COMPLEX SURGICAL CASES, INNOVATIVE TECHNOLOGIES, AND ADVANCED ASEPTIC TECHNIQUES. IT INCLUDES CURRENT RESEARCH FINDINGS AND DISCUSSES FUTURE TRENDS IN SURGICAL CARE. THE TEXT ENCOURAGES CRITICAL THINKING AND PROFESSIONAL GROWTH FOR SURGICAL TECHNOLOGISTS.

Surgical Technology Certificate Program

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surgical technology certificate program: Surgical Technology - E-Book Joanna Kotcher Fuller, 2017-01-31 Learn to deliver the best patient care before, during, and after surgery with *Surgical Technology: Principles and Practice*, 7th Edition. Within its pages you'll find comprehensive coverage of all the updated AST Core Curriculum components — including all aspects of health care sciences; technological sciences; patient care concepts; preoperative, intraoperative, and postoperative care; surgical procedures; and professional practice. But what you won't find in any other surg tech book is an incredibly reader-friendly approach featuring conversational, mentor-like guidance and loads of full-color pictures and illustrations. You'll also have an abundance of helpful learning features at your disposal — like case studies, review questions, and online learning activities — that will help you easily master important concepts and apply that learning to professional practice. No other surgical technology text better prepares you for the challenges of professional practice! - Comprehensive coverage addresses all areas of the AST Core Curriculum for Surgical Technology. - Reader-friendly writing style and organization utilizes a mentoring approach to present content within the building blocks of fundamentals, aseptic technique, the role and function of the surgical technologist, and surgical procedures. - Consistent chapter format breaks down each surgical procedure in an easy-to-understand way making it easy for students to comprehend the key elements of more than 70 procedures. - Experienced author/consulting editor team lends a breadth of experience for a well-rounded view of life in the operating room and multiple perspective focused on quality patient care. - Over 1,200 full-color illustrations and clinical photos bring concepts and procedures to life. - Robust practice opportunities include review questions and case studies at the end of each chapter along with crosswords, additional review questions, and surgical practice videos found on the Evolve companion website. - Learning objectives serve as checkpoints for comprehension and as study tools in preparation for examinations. - Key terminology appears in boldface and in color within chapter discussions and are defined and cross-referenced to chapters in a back-of-book glossary. - Key concepts are covered in a bulleted list at the end of each chapter discussion to summarize and rephrase chapter concepts. - References and bibliographies provide a listing of in-text and additional citations of scientific research. - Pathology appendix summarizes the most commonly seen pathological processes and organizes them by body system. - Website mentions are highlighted within the text to draw readers' attention to available videos in the Evolve Resources and suggested websites to visit for additional information on content covered.

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Joanna Ruth Fuller, 2012-11-07 Deliver the best patient care before, during, and after surgery with this straightforward, step-by-step guide to surgical skills and operating room procedures. It provides comprehensive coverage of all the updated AST Core Curriculum, 6th Edition components - health care sciences, technological sciences, patient care concepts, surgical technology, and surgical procedures. A mentoring approach makes even complex skills and techniques easy to understand. User-friendly features such as full-color illustrations, chapter outlines and summaries, review questions, critical thinking exercises, and technique boxes help you focus on the most important concepts and make it easier to retain and recall critical information. Chapter objectives correspond to the latest AST Core Curriculum objectives to ensure you have access to the most reliable information in the operating room. Enhanced critical thinking scenarios at the end of each chapter help you strengthen your critical thinking and clinical decision-making skills and highlight practical applications of key concepts. Additional information on special populations, including bariatric, pregnant, physically or mentally challenged, isolation, trauma, language barrier, and substance abuse patients, highlights important considerations for the surgical technologist regarding transfer, preparation, and procedure set up. Expanded coverage of surgical lasers keeps you up to date with the latest technology so you can effectively assess the function, assembly, use, and care of equipment in the surgical suite. UPDATED! Coverage reflects the new AST Core Curriculum, 6th Edition to keep you current. NEW! Chapters on Disaster Preparedness and Response and Transplant Surgery offer cutting-edge information on these key topics. Coverage of the Assistant Circulator role, as well as a break down of first and second scrub roles, help you better understand the responsibilities of each member of the surgical team.

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included. All chapters are updated to reflect current demographics and new policies. Each section has

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surgical technology certificate program: Berry & Kohn's Operating Room Technique - E-Book Nancymarie Phillips, Anita Hornacky, 2020-06-23 **Selected for Doody's Core Titles® 2024 with Essential Purchase designation in Perioperative** Easily learn how to apply basic surgical principles and techniques with Berry & Kohn's Operating Room Technique, 14th Edition. For over 50 years, this highly readable text has been trusted to clearly cover the nuts and bolts of surgical techniques in a step-by-step format. Expert authors Nancymarie Phillips and Anita Hornacky emphasize the importance of teamwork throughout, with practical strategies and examples of how cooperation among perioperative caregivers contributes to positive patient care outcomes. With a strong focus on the physiologic, psychologic, and spiritual considerations of perioperative patients, this extensively updated new edition gives you the knowledge you need to plan and implement comprehensive, individualized care. - Detailed information on the fundamentals of perioperative nursing and surgical technology roles enhance students' understanding of basic surgical principles and techniques. - Emphasis on teamwork among perioperative caregivers encourages cooperation in attaining positive patient care outcomes. - In-depth discussions of patients with special needs related to age or health status help students learn how to develop a plan of care tailored to the unique care needs of all patients. - Focus on the physiologic, psychologic and spiritual considerations of patients gives students the knowledge they need to plan and implement comprehensive, individualized care. - Vivid high-quality illustrations reflect the latest in perioperative procedures and provide key safety information. - Coverage of both inpatient and ambulatory procedures highlights key considerations for each settings as well as for individual surgical procedures. - Chapter outlines with page numbers, chapter objectives, and key terms and definitions help students quickly find important information and focus study time. - Enhanced TEACH manual and extensive Evolve resources maximize classroom learning. - Step-by-step coverage of the foundations of surgical techniques enables students to effectively apply basic principles to practice. - Updated tables and boxes call attention to the most important concepts from the text. - References highlight the evidence-based practice approach used throughout the text.

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be prepared for success. Cost should never be a barrier to receiving a high-quality education. Peterson's provides the information and guidance you need on tuition, scholarships, and financial aid to make education more affordable. What's Inside? Up-to-date facts and figures on application requirements, tuition, degree programs, student body profiles, faculty, and contacts Quick-Reference Chart to pinpoint colleges that meet your criteria Valuable tips on preparing for and scoring high on standardized tests Expert advice for adult learners and international students Book jacket.

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surgical technology certificate program: Health Careers Today E-Book Judith Gerdin, 2021-10-20 Find the healthcare career that's right for you! Health Careers Today, 7th Edition provides a complete overview of the most popular careers in health care, helping you make an informed decision in choosing a profession. Not only does this book discuss the roles and responsibilities of different occupations, it provides a solid foundation in the skills and competencies that each health career requires. Clear explanations of anatomy and physiology, disease processes, and treatments provide essential knowledge of the human body and show how health concepts apply to the work of various professionals. From experienced educator Judith Gerdin, this edition adds new coverage of skills and the changing healthcare environment; an Evolve website includes anatomy animations, videos of skills and careers, and more. - Chapters on health careers focus on allied health professions and careers in high demand, including commonly performed skills, education requirements, and potential earnings of each. - Skill Activities provide the opportunity to obtain hands-on experience, with detailed instructions on how to perform crucial tasks. - Case studies let you practice critical thinking by solving real-world questions and problems. - Health Careers in Practice boxes include profiles of working healthcare professionals and the pros and cons of specific careers. - Brain Bytes reinforce concepts with facts and points of interest relating to the chapter content. - Review questions in each chapter allow you to assess your understanding of the material. - Additional resources include information on professional associations, accreditations, and government agencies for each healthcare profession. - NEW! New and updated content covers health care systems, professionals, and patient workflow, including the latest reimbursement models and a discussion of future trends. - NEW content on fundamental healthcare skills includes topics such as basic accounting, health insurance, and use of electronic health records. - NEW! Expanded content addresses cultural competency, diversity awareness, and bias.

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