



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:
10/19/2021

Institution
East Central College

Site Information

Implementation Date:
8/1/2022 12:00:00 AM

Added Site(s):

Selected Site(s):

Rolla Technical Center/Institute, 505 Forum Drive, Rolla, MO, 65401

CIP Information

CIP Code:
510909

CIP Description:

A program that prepares individuals, under the supervision of physicians and surgical nurses, to maintain, monitor, and enforce the sterile field and adherence to aseptic technique by preoperative, surgical team, and postoperative personnel. Includes instruction in instrument and equipment sterilization and handling, surgical supplies management, wound exposure and closure, surgical computer and robot operation and monitoring, maintenance of hemostasis, and patient and team scrubbing.

CIP Program Title:
Surgical Technology/Technologist

Institution Program Title:
Surgical Technology

Degree Level/Type

Degree Level:
Associate Degree

Degree Type:
Associate in Applied Science

Options Added:

Collaborative Program:
N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation



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Special Admissions Procedure or Student Qualifications required:

Cumulative college GPA of 2.0 or greater

TEAS Admission Test taken in the last two years with a minimum composite score of 50%

Completion of prerequisites with a "C" or better

8 Hours of Job Shadowing

Satisfactory criminal background check and drug screening once accepted to the program.

Specific Population Characteristics to be served:

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Master's degree is preferred. Baccalaureate degree is minimally required. Must have a minimum of 3 years experience.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

100% of credit hours will be assigned to full time faculty.

Expectations for professional activities, special student contact, teaching/learning innovation:

See Attached Job Description

Student Enrollment Projections Year One-Five

Year 1	Full Time: 15	Part Time: 0	
Year 2	Full Time: 15	Part Time: 0	
Year 3	Full Time: 15	Part Time: 0	Number of Graduates: 36
Year 4	Full Time: 20	Part Time: 0	
Year 5	Full Time: 20	Part Time: 0	Number of Graduates: 68

Percentage Statement:

70.00

Program Accreditation

Institutional Plans for Accreditation:

The Surgical Technology Program is fully accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon recommendation of the ARC-STSA Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (www.arcstsa.org).

Program Structure

Total Credits:

72

Residency Requirements:

n/a

General Education Total Credits:

27

Major Requirements Total Credits:

45



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Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
SRG255	2	Clinical Prep I
SRG290	2	Surgical Technology Capstone
SRG225	3	Medical Surgical Terminology
SRG295	4	Advanced Surgical Procedures
SRG265	2	Professional Practices
SRG210	4	Intro to Surgical Technology
SRG220	6	Surgical Procedures I
SRG275	2	Clinical Externship II
SRG260	6	Surgical Procedures II
SRG215	2	Surgical Pathophysiology
SRG200	2	Surgical Techniques Lab
SRG250	8	Clinical Externship I

Free Elective Credits:

0

Internship or other Capstone Experience:

Student must have met the qualifications in the admission requirements that exceed regular university admissions.

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

First and Last Name: TRACIE
WELSH

Email: tracie.welsh@eastcentral.edu



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Phone: 636-584-6608



Surgical Technology

NURSING & ALLIED HEALTH

636.584.6616 • 573.202.6950

eastcentral.edu/allied-health/surgical-technology

Program Prerequisites

Fall Semester	Hours
• COL*100 Campus Orientation	0.0
• COL*101 Falcon Seminar	1.0
• ENG*101/114 English Comp I or Honors	3.0
• BIO*151 Intro to Human Anatomy & Physiology Lec/Lab	4.0
• MTH*110/140/150 Inter. Algebra, Contemp. Math, Statistics or higher	3.0
• HST/PSC Core 42 Civics	3.0
• PSC*CIVICS Civics Achievement Exam	0.0
Total:	14.0

Spring Semester	Hours
• SOC*101/PSY*101 General Sociology or General Psychology	3.0
• BIO*205 Microbiology	4.0
• CORE 42 Core 42 Elective	3.0
• CORE 42 Core 42 Elective	3.0
Total:	13.0

Surgical Technology Academic Course Sequence

Fall Semester	Hours
• SRG*200 Surgical Techniques Lab	2.0
• SRG*210 Intro to Surgical Technology	4.0
• SRG*215 Surgical Pathophysiology	2.0
• SRG*220 Surgical Procedures I	6.5
• SRG*225 Medical Surgical Terminology	3.0
Total:	17.5

Spring Semester	Hours
• SRG*250 Clinical Externship I	8.5
• SRG*255 Clinical Prep I	2.0
• SRG*260 Surgical Procedures II	6.5
• SRG*265 Professional Practices	2.0
Total:	19.0

Summer Semester	Hours
• SRG*275 Clinical Externship II	2.5
• SRG*290 Surgical Technology Capstone	2.0
• SRG*295 Advanced Surgical Procedures	4.0
Total:	8.5

In order to achieve success in the Surgical Technology program, a student can expect to spend a minimum of 20-30 hours per week, outside of class, studying and preparing for class and clinical experiences. Some examples include: practicing skills in the lab, preparing for clinical assignments, studying for exams, preparing for class, developing written assignments and presentations.

Surgical Technology Track Guided Pathway

Track Narrative:

The Surgical Technology program is offered at the East Central College Rolla Main campus located at the Rolla Technical Center. Surgical Technology is a one-plus-one-degree program which prepares students to practice as a surgical technologists (ST). Upon graduation, students will receive their Associate of Applied Science Degree in Surgical Technology and will be eligible to take the national certification examination administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA) to obtain certification. Surgical Technologist work in a variety of settings including hospital surgery units, surgical centers, labor and delivery, dentists/oral surgeons offices, veterinary offices, travel companies, and central sterile supply units.

Students will learn using state of the art equipment in the surgical suite simulation lab and classroom that they will then apply in clinical externship. Surgical Technologists are vital members of the surgical team. Students will learn concepts of aseptic technique, instrumentation, surgical procedures, and patient care. Additionally, students learn to anticipate the needs of the surgeon and assist the surgeon throughout the procedure.

**** Prerequisites/General Education:** A selective admission process is utilized. Students must have a "C" or better in prerequisite coursework, complete a minimum of 8 hours of job shadowing, and complete a pre-entrance exam to apply to the program.

Extra-Curricular/Co-curricular Opportunities at ECC: ECC offers a wide variety of clubs and co-curricular activities for all students. Surgical Technology students will become student members of the Association of Surgical Technologists (AST) and attend the state convention.

****Students must obtain a "C" or greater in all pre-requisite coursework.**

1st Semester

Course Number	Course Title	Credit Hour	Pre-requisite/Co-requisites with Minimum Grade	Term Offered: (If not offered every Spring and Fall)	Milestone Notes: (If applicable)
COL 100	Campus Orientation	0			
COL 101	Falcon Seminar	1			
ENG 101 or ENG 114	English Composition I or Honors Comp I	3	Placement into ENG 101		
BIO 151	Intro to A&P	4	Placement into ENG 101		BIO 151
MTH 110, 140, 150 or higher	Intermediate Algebra, Contemporary	3-5	Placement into min of MTH 110		Mathematics

	Math, Statistics or higher				
CORE 42 Civics	CORE 42 Civics	3			
PSCCIVICS	Civics Achievement Exam	0			
Total Credit Hours: 14					

2nd Semester

Course Number	Course Title	Credit Hour	Pre-requisite/Co-requisites with Minimum Grade	Term Offered:	Milestone Notes: (If applicable)
SOC 101 or PSY 101	Gen Sociology or Gen Psych	3			
BIO 205	Microbiology	4	BIO 205 has the following prerequisite: •Two years high school Biology with lab: must have received at least a "C" grade and must have been within the last five years or BIO 111 General Biology Lecture/Lab		BIO 205
**Electives: Any CORE 42 Courses totaling 6 Credit Hours					
Total Credit Hours: 13					

****Once accepted into the Surg Tech Program, students must maintain a "C" average and must pass all courses in each semester to successfully move onto the next semester / course.**

1st Year Fall

Course Number	Course Title	Credit Hour	Pre-requisite/Co-requisites with Minimum Grade	Term Offered: (If not offered every Spring and Fall)	Milestone Notes: (If applicable)
SRG 200	Surgical Techniques Lab	2	Co-requisites: SRG 210, 215,220,225	Fall	SRG 200
SRG 210	Intro to Surgical Technology	4	Co-requisites: SRG 200, 215,220,225	Fall	
SRG 215	Surgical Pathophysiology	2	Co-requisites: SRG 200, 210,220,225	Fall	
SRG 220	Surgical Procedures I	6.5	Co-requisites: SRG 200, 210,215,225	Fall	
SRG 225	Medical Surgical Terminology	3	Co-requisites: SRG 200, 210,215,220	Fall	
Total Credit Hours: 17.5					

***In order to progress to the next semester, SRG 200-220 must be successfully completed with a "C" or better.**

1st Year Spring

Course Number	Course Title	Credit Hour	Pre-requisite/Co-requisites with Minimum Grade	Term Offered: (If not offered every Spring and Fall)	Milestone Notes: (If applicable)
SRG 250	Clinical Externship I	8.5	Co-requisites: 255,260,265	Spring	
SRG 255	Clinical Prep I	2	Co-requisites: 250,260,265	Spring	
SRG 260	Surgical Procedures II	6.5	Co-requisites: 250,255,265	Spring	SRG 260

SRG 265	Professional Practices	2	Co-requisites: 250, 255, 260	Spring	
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Total Credit Hours: 19

*In order to progress to the next semester, SRG 200-260 must be successfully completed with a "C" or better.

1st Year Summer

Course Number	Course Title	Credit Hour	Pre-requisite/Co-requisites with Minimum Grade	Term Offered: (If not offered every Spring and Fall)	Milestone Notes: (If applicable)
SRG 275	Clinical Externship II	2.5	Co-requisites: 290 & 295	Summer	
SRG 290	Surgical Technology Capstone	2	Co-requisites: 275 & 295	Summer	
SRG 295	Advanced Surgical Procedures	4	Co-requisites: 275 & 290	Summer	SRG 295

Total Credit Hours: 8.5



Surgical Technology

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PROGRAM

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CAREER

Surgical Technologists are vital members of the surgical team. Surgical technologists work under the supervision and delegatory authority of a surgeon to facilitate the safe and effective conduct of invasive and non-invasive surgical procedures, ensuring that the operating room environment is safe, that equipment functions properly, and that the operative procedure is conducted under conditions that maximize patient safety. Surgical technologists are experts in the theory and application of the principles of asepsis and sterile technique to combine the knowledge of human anatomy, surgical procedures, and implementation and tools and technologies to facilitate a physician's performance of invasive therapeutic and diagnostic procedures.



EMPLOYMENT & SALARY OPPORTUNITIES

The surgical technology profession is experiencing faster-than-average job growth. Employment for surgical technologists is projected to grow 7 percent from 2019 to 2029, according to the Bureau of Labor Statistics. On average, a surgical technologist will start with an annual salary of \$33,000-\$39,000 (\$16.00-\$19.00 hourly).

Surgical technologists find opportunities in several areas:

- Hospital surgery units
- Outpatient surgical centers
- Labor and delivery
- Dentists/oral surgeons offices
- Veterinary offices
- Travel companies
- Central sterile supply units



ADMISSION REQUIREMENTS

To enter the program, students must have completed:

- High school diploma or the equivalent (documentation must be sent to the registration office)
- Application for admission
- A placement test as specified by the college (please note: some coursework requires minimum placement results)
- Cumulative college GPA of 2.0 or greater
- Completion of prerequisites with a "C" or better
- TEAS Exam within the last two years with a minimum composite score of 50%
- 4 Hours of Job Shadowing
- Satisfactory criminal background check and drug screening once accepted to the program



The Surgical Technology Program is fully accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon recommendation of the ARC-STSA Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (arcstsa.org).

Commission on Accreditation of Allied Health Education Programs • 25400 US Highway 19 N., Suite 158 Clearwater, FL 33763 • 727-210-2350 • www.caahep.org



Surgical Technology

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JOB TITLE: Faculty (Surgical Technology)

DEPARTMENT: Surgical Technology

LOCATION: Rolla

REPORTS TO: Surgical Technology Program Director /

Dean of Health Sciences / Vice President of Academic Affairs

FLSA: Exempt

LEVEL:

DATE: 04/20/2021

POSITION SUMMARY: Faculty are responsible for providing effective learning strategies and experiences in the classroom and laboratory for students with diverse interests, abilities, and expectations. Teaching and training duties shall be performed under the direct supervision of the CAO but may be delegated to the Program Director and/or Dean.

EDUCATION, EXPERIENCE, and LICENSES/CERTIFICATIONS: *(A comparable amount of training, education or experience may be substituted for the minimum qualifications.)*

- Master's degree is preferred. Baccalaureate degree is minimally required. Must have a minimum of 3 years of experience, either in the operating room scrub role or as an instructor in surgical technology, or a combination of both within the past 10 years. Must hold a credential in the field of surgical technology through a national certification program that is accredited by the National Commission on Certifying Agencies (NCCA).

- **ESSENTIAL TASKS:** *Faculty must be able to perform the following functions*

A. Instruction

- Teach thirty (30) semester credit hours (or the equivalent in lab, studio, clinical, etc. hours) each academic year.
- With the assistance of the core faculty, Surgical Technology Program Director, Dean and the Vice President of Academic Affairs, participate in developing course and/or program curriculum, standards and policies.
- Develop course curriculum, handouts, lectures, labs, and presentation and maintain course outlines / syllabi and printed and non-printed instructional materials.
- Conduct all classes in accordance with an established and current course syllabus.
- Use current technology to enhance instructional and institutional effectiveness including but not limited to computers, computer-assisted instruction programs, and audio-visual equipment and in addition be willing to learn and apply any other new technology necessary to enhance learning.
- Schedule, supervise, debrief, and evaluate students in clinical, internships, observations, field experiences or other similar settings as appropriate for the course or program.
- Participate in course and/or program level assessment including development of learning outcomes and measures, evaluating student performance, and recommending improvement measures.
- Assist in conducting program review; plan, develop and implement activities in support of the Higher Learning Commission, or other agency, accreditation guidelines regarding student academic achievement (assessment) and their success on outcomes (Institutional effectiveness).
- Maintain student/attendance/grade/discipline records as required by the College; keep appropriate course/department/program/division records, as required by the College.
- Use the appropriate College policies and procedures to resolve and document student complaints, concerns, and problems.

- Maintain confidential student records in compliance with ECC Board Policy.
- Maintain clinical and educational competencies in area of instruction.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT: *The conditions herein are representative of those that must be met by an employee to successfully perform the essential tasks using safe work methods and following safety regulations relating to the job or within reasonable accommodations.*

Environment: Work is performed primarily in a classroom or laboratory setting with some interruptions and distractions; the employee may be required to work or meet in the evenings and/or on weekends.

Physical: Primary functions require sufficient physical ability and mobility to work in a classroom or laboratory setting; to stand or sit for prolonged periods of time up to five consecutive hours; and to lift, carry, push, and/or pull up to 50 lbs if applicable for the position.

POSITIONS SUPERVISED: None

Signatures

I have read and reviewed the above job description with my immediate supervisor.

Employee Signature/Date

Supervisor Signature/Date

DISCLAIMER: *This job description has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualification required of employees assigned to the job.*