

POST AUDIT REVIEW
Southern West Virginia Community and Technical College
Programs Without Specialized Accreditation

Summary of Findings
2011-2012

Program Name: Central Sterile Supply Technician, Certificate

Hours Required for Graduation: 37 currently, 30 beginning fall 2012

I. Synopses of significant findings, including findings of external reviewer(s)

A. Adequacy

- The curriculum has adequate requirements that meet the needs of the business and industry.
- The program has established goals and objectives.
- Provides skilled job pathways.
- Entrance abilities for the students are within community college standards.
- The program has appropriately trained faculty.
- The program maintains appropriate assessment tools.

Conclusion: Program meets and exceeds minimum adequacy requirements.

B. Viability

- The program has increasing enrollment.
- Graduates are within expectations for the program.
- Previous history of the program indicates future students seeking the degree will increase.
- The program is a certificate degree program.

Conclusion: Program meets and exceeds minimum viability requirements.

C. Necessity:

- The program meets a validated industry demand.
- The graduates find successful and gainful employment.

Conclusion: The program meets minimum requirements for necessity.

D. Consistency with Mission:

- The program does support the mission and vision of the institution.
- The program and core courses support the compact.
- There is limited impact on other programs

Conclusion: The program is consistent with the mission of the college.

II. Plans for program improvement, including timeline.

The Central Sterile Supply Technician receives institutional funds. Grant funds were obtained to support the new program. These funds are adequate to meet the needs of the program.

III. Identification of weaknesses or deficiencies from the previous review and the status of improvements implemented or accomplished.

Initial Program Review has not been submitted for the Central Sterile Supply Technician Program.

IV. Five year trend data on graduates and majors enrolled

Graduate and employer surveys were mailed six months after graduation; however none were returned. Graduate surveys were then completed via telephone. Employers were not available via telephone to complete surveys. All five of the graduates from the central sterile supply certificate program were surveyed. All students have taken the certification exam and are currently employed in the area of central sterile supply at a hospital in Charleston, WV. The ages of those surveyed range from 21-46 years of age. The salary range is from \$9.85 per hour to \$11.25 per hour. All surveyed were satisfied with their chosen field of study. In the surveyed area of quality of instruction there were four questions. A Likert scale was utilized with 1 being excellent, 2 being good, 3 being fair, and 4 being poor. All responses were excellent to the following questions:

1. Were lab and clinical space adequate?
2. Were available lab and clinical time adequate?
3. Were you prepared for work in your field of study?
4. How would you rate your instruction in this field?

Four of the five students were currently taking continuing education courses and one of the five students was currently taking college courses.

V. Summary of assessment model and how results are used for program improvement

The Central Sterile Supply Technician program utilizes a variety of assessment measures which are reviewed as part of the certificate degree program. Student achievements in general education and support courses are assessed in accordance with the institution's plan for assessment. Beginning in spring 2010, students enrolled in all programs, and who have completed college level English and math, may be selected to take the MAPP exam. Students who opt to take the national certification exam and obtain successful completion of the exam can acquire certification in Central Sterile Supply.

VI. Data on student placement

Two graduates completed all curriculum requirements, support and core courses. These students were awarded a Certificate from Southern and passed their Certification in Central Sterile Supply exam. The students are currently working in field. Three students completed the required four hundred hours in the program to apply and passed the certification exam in this field but did not complete all support courses to be awarded a certificate from Southern. These students are currently employed in the central sterile supply departments of various institutions. Two students completed the core courses to maintain their current positions as technicians in the hospital due to the facility now

requiring certification of the employees.

VII. Final Recommendation Approved by the Governing Board

See the attached resolution for Board of Governors Final Recommendation and signatures.

POST-AUDIT REVIEW

West Virginia Council for Community and Technical College Education

Institution: Southern West Virginia Community and Technical College
Program: Central Sterile Supply Technician, Certificate

I. Introduction

The Central Sterile Supply Technician program at Southern West Virginia Community and Technical College was designed to introduce the primary responsibilities of a sterile processing technician including practical application of learned concepts and procedures. Experience with instrument identification, preparation, storage, and distribution of supplies and equipment is reflected upon. Four hundred clinical hours are required. The program prepares the student to take the national certification exam. This program also allows individuals currently employed in the Central Sterile Processing Department of a hospital, and who are being required to take the certification exam to maintain their employment, and take only AH 130, AH 135, and AH 160. All other students must take all the required courses in the program (See Appendix I).

Recently there has been national coverage on the news concerning Central Sterile Supply Technicians. On February 22, 2012, the Today Show broadcasted a news clip entitled “Dirty Surgical Instruments, A Problem in the Operating Room.” This was televised to advocate increasing education in the field of Central Sterile Supply (CSS) and enforcement of this by the Center for Public Integrity due to this investigative reporting. The International Association of Healthcare Central Service Material Management supports certification in the field of Central Sterile Supply. New Jersey currently requires certification. New York, Ohio and Pennsylvania introduced legislature in February of 2012 to require certification.

II. Goals and Objectives of the Program

The program goals were developed to meet the goals of the institution while individualizing the needs of the specific program requirements. This program provides the student an opportunity, as well as the ability, to obtain work in many facilities. It also allows individuals currently employed in a Central Sterile Supply Department to maintain their employment.

The following are the program goals developed for the Central Sterile Supply Technician:

1. Communication abilities: Prepare students for alternative methods of providing and obtaining information. They will learn to be effective in oral and written communication.

2. Facility Systems: Prepare students to understand how their role fits into their department, organization, and overall healthcare environment. They will be able to identify how key systems affect the services they perform and quality care they provide.
3. Employability Skills: Prepare students to practice employability skills to enhance their employment opportunities and job satisfaction, and maintain and upgrade those skills as required.
4. Legal Responsibilities: Prepare students to understand and maintain an awareness of the legal responsibilities, limitations, and the implications of their actions within the health care delivery setting.
5. Ethics: Prepare students to know the difference between “right” and “wrong.” In the healthcare environment one must conform to accepted and professional standards of conduct.
6. Safety Practices: Prepare students to understand existing and potential hazards to patients, coworkers, and themselves. Prepare students to prevent injury or illness through safe work practices and consistently follow health and safety policies and procedures.
7. Teamwork: Prepare students to understand the roles and responsibilities of individual members as part of the health care team, including their ability to promote the delivery of quality health care. Students will interact effectively and sensitively with all members of their team.
8. Resource Management: Prepare students to understand and practice principles and techniques of resource management. This ensures the careful use of available resources as they make timely decisions.

III. Assessment

The Central Sterile Supply Technician program utilizes a variety of assessment measures which are reviewed as part of the certificate degree program. Student achievements in general education and support courses are assessed in accordance with the institution’s plan for assessment. Beginning in spring 2010, students enrolled in all programs, and who have completed college level English and math, may be selected to take the MAPP exam. Students who opt to take the national certification exam and obtain successful completion of the exam can acquire certification in Central Sterile Supply.

IV. Curriculum

A. Curricula

The curriculum for the certificate degree in Central Sterile Supply Technician originally consisted of a minimum of 37 credit hours. A complete listing of the courses is included in Appendix I. Curriculum changes have been instituted for fall 2012. Please see Appendix I. Curriculum revisions reflect the requirements mandated by the WVCTCS policy 135-11-3 of thirty credit hours for Certificate Programs. The changes are to eliminate Anatomy and Physiology I (BS 124) and Anatomy and Physiology II (BS 125). Essentials of Human Systems (BS 118) will be an addition to the curriculum. This is an anatomy and physiology course with a laboratory component that is taught in one semester. If a student chooses to enroll in BS 124 and BS 125, these courses will be substituted for BS 118. BS 118 will not be substituted for BS 124 and BS 125. Medical Terminology (AH 108) has been eliminated and the content will be delivered in the core course, AH 130 Introduction to Sterile Processing. Introduction to College, OR 110, has been eliminated and the course content will be incorporated in the orientation information for this program.

Entrance Criteria

The Central Sterile Supply Technician is an open admission program in accordance with the open-door admission policy of Southern West Virginia Community and Technical College. Students entering the program must have a high school diploma or GED.

Entrance abilities

There are no program-specific entrance abilities required of students. Those enrolling in the college-level English and math general education courses are required to meet minimum scores on the ACT or Accuplacer exam prior to enrollment in these courses or must successfully complete the Transitional Studies courses to remediate. These requirements suffice for entrance into the Central Sterile Supply Technician program.

Exit abilities

Exit abilities vary based on the track chosen by the student.

B. Course Listing

Course listing, See Appendix I

C. Courses are delivered in a variety of ways. Students may take classes in a traditional classroom setting or via the internet. Most Allied Health courses have a required laboratory and clinical component.

V. Faculty

The Central Sterile Supply Technician program has one full-time faculty member assigned to maintain the program. This faculty member also teaches with the Surgical Technology Coordinator. Full-time faculty members teach the general education and elective course requirements. Full-time Allied Health members teach the technical core. Faculty Data Information can be found in Appendix II.

VI. Enrollment and Graduates

A. Enrollment Data

Number of Majors per year for previous 3 years

Enrollment for this program may be found in Appendix III. Initial enrollment began fall of 2009 and thirteen individuals enrolled in the program. Fall 2010 yielded eight students enrolled in the program. Eleven students were enrolled in the fall of 2011. There are currently seven students enrolled in the spring 2012 semester.

B. Number of Graduates per year for the previous 3 years

Graduate data for the past three years may be found in Appendix IV.

C. Graduate Follow-up data

Two graduates completed all curriculum requirements, support and core courses. These students were awarded a Certificate from Southern and passed their Certification in Central Sterile Supply exam. The students are currently working in field. Three students completed the required four hundred hours in the program to apply and passed the certification exam in this field but did not complete all support courses to be awarded a certificate from Southern. These students are currently employed in the central sterile supply departments of various institutions.

D. Graduate and Employer Satisfaction

Graduate and employer surveys were mailed six months after graduation; however none were returned. Graduate surveys were then completed via telephone. Employers were not available via telephone to complete surveys. All five of the graduates from the central sterile supply certificate program were surveyed. All students have taken the certification exam and are currently employed in the area of central sterile supply at a hospital in Charleston, WV. The ages of those surveyed range from 21-46 years of age. The salary range is from \$9.85 per hour to \$11.25 per hour. All surveyed were satisfied with their chosen field of study. In the surveyed area of quality of instruction there were four questions. A Likert scale was utilized with 1 being excellent, 2 being good, 3 being fair, and 4 being poor. All responses were excellent to the following questions:

1. Were lab and clinical space adequate?
2. Were available lab and clinical time adequate?
3. Were you prepared for work in your field of study?
4. How would you rate your instruction in this field?

Four of the five students were currently taking continuing education courses and one of the five students was currently taking college courses.

VII. Financial

The Central Sterile Supply Technician receives institutional funds. These funds are adequate to meet the needs of the program.

VIII. Advisory Committee

The Central Sterile Processing Technician program does not maintain a separate advisory council. The Allied Health and Business Advisory committees meet annually. At these meetings, the Central Sterile Supply Technician program is addressed. Committee members are provided additional information regarding the program and are afforded the opportunity to provide information and feedback related to the students, the curriculum, and the overall program.

IX. Accreditation

There is no accreditation associated with this program.

APPENDIX I

Appendix I
Current Curriculum
Central Sterile Supply Technician
Certificate
Minimum 37 Credit Hours

Purpose: The program is designed to introduce the primary responsibilities of a sterile processing technician including practical application of learned concepts and procedures. Experienced instrument identification, preparation, storage, and distribution of supplies and equipment will be taught. Four hundred clinical hours are required. The program will prepare the student to take the national certification exam. Any one working in the Central Sterile Supply Department of a hospital and needing to take the certification exam to maintain their employment may take only AH 130, AH 135, and AH 160. All other students must take all the required courses in the program.

The full Central Sterile Supply Technician Certificate Program is available on the Logan Campus. The Boone/Lincoln, Williamson, and Wyoming/McDowell campuses offer the program support courses only.

Dept/No. Title Credit Hours

Support Courses

AH 108 Medical Terminology	2
AH 200 Health Care Ethics and Law	1
BS 124 Human Anatomy and Physiology I	4
BS 125 Human Anatomy and Physiology II	4
BS 127 Microbiology	3
CS 103 Introduction to Applications	1
EN 101 English Composition I	3
EN 102 English Composition II	3
OR 110 Introduction to College	1

Major Courses

AH 130 Introduction to Sterile Processing	2
AH 135 Surgical Instrumentation	3
AH 160 Sterile Processing II	2
AH 165 Sterile Processing Practicum	4
AH 167 Sterile Processing Practicum II	4

Appendix I
Proposed for Fall 2012
Central Sterile Supply Technician
Certificate
Minimum 30 Credit Hours

Purpose: The program is designed to introduce the primary responsibilities of a sterile processing technician including practical application of learned concepts and procedures. Experienced instrument identification, preparation, storage, and distribution of supplies and equipment will be taught. Four hundred clinical hours are required. The program will prepare the student to take the national certification exam. Any one working in the Central Sterile Supply Department of a hospital and needing to take the certification exam to maintain their employment may take only AH 130, AH 135, and AH 160 All other students must take all the required courses in the program.

The full Central Sterile Supply Technician Certificate Program is available on the Logan Campus. The Boone/Lincoln, Williamson, and Wyoming/McDowell campuses offer the program support courses only.

Dept/No. Title Credit Hours

Support Courses

AH 200 Health Care Ethics and Law	1
BS 118 Essentials of Human Systems	4
BS 127 Microbiology	3
CS 103 Introduction to Applications	1
EN 101 English Composition I	3
EN 102 English Composition II	3

Major Courses

AH 130 Introduction to Sterile Processing	2
AH 135 Surgical Instrumentation	3
AH 160 Sterile Processing II	2
AH 165 Sterile Processing Practicum	4
AH 167 Sterile Processing Practicum II	4

APPENDIX II

**Appendix II
Faculty Data**

(No more than TWO pages per faculty member)

Name: Judith Curry Rank Assistant Professor
 Check one: Full-time X Part-time _____ Adjunct _____ Graduate Asst. _____
 Highest Degree Earned Bachelor of Science in Nursing
 Date Degree Received May 1990
 Conferred by West Virginia University Area of Specialization Nursing
 Professional registration/licensure West Virginia Registered Nurse License
 Years of employment at present institution 13
 Years of employment in higher education 13
 Years of related experience outside higher education 33
 Non-teaching experience 33

To determine compatibility of credentials with assignment:

- (a) List courses you taught this year and those you taught last year: (If you participated in team-taught course, indicate each of them and what percent of courses you taught.) For each course include year and semester taught, course number, course title and enrollment.

Year/Semester	Course Number & Title	Enrollment
2010/Spring	SG120 Surgical Technology I	12
	SG 230 Surgical Technology III	9
	AH 160 Sterile Processing II*	7
2010/Fall	SG 100 Introduction to Surgical Technology	15
	SG 101 Surgical Technology Skills	15
	SG 105 Surgical Technology Biomedical	15
	SG 220 Surgical Technology II	7
	SG 210 Surgical Pharmacology	7
	AH 130 Introduction to Sterile Processing*	7
2011/Spring	SG 120 Surgical Technology I	14
	SG 230 Surgical Technology III	7
	AH 160 Sterile Processing II*	3
2011/Fall	SG 100 Introduction to Surgical Technology	14
	SG 101 Surgical Technology Skills	14
	SG 105 Surgical Technology Biomedical	14
	SG 220 Surgical Technology II	11
	SG 210 Surgical Pharmacology	11

*Team Teaching 50%

- (b) If degree is not in area of current assignment, explain.
- (c) Identify your professional development activities during the past five years.
 CPR Certified; Member of: Association of Surgical Technologists, International Association of Healthcare, Central Service Material Management, and National League of Nursing.
 Completed continuing education in areas of pharmacology, surgery, central sterile, infection control instrumentation cleaning, operating room fires and radiation safety.

**Appendix II
Faculty Data**

(No more than TWO pages per faculty member)

Name: Meloney McRoberts Rank Instructor
 Check one: Full-time X Part-time _____ Adjunct _____ Graduate Asst. _____
 Highest Degree Earned Associate in Applied Science
 Date Degree Received May 2001
 Conferred by Southern West Virginia Community and Technical College
 Area of Specialization Surgical Technology
 Professional registration/licensure Certified Surgical Technologist
 Years of employment at present institution 4 years as adjunct; full time since fall 2008
 Years of employment in higher education 8
 Years of related experience outside higher education 8
 Non-teaching experience 8

To determine compatibility of credentials with assignment:

- (a) List courses you taught this year and those you taught last year: (If you participated in team-taught course, indicate each of them and what percent of courses you taught.) For each course include year and semester taught, course number, course title and enrollment.

Year/Semester	Course Number & Title	Enrollment
2010/Spring	SG 120 Surgical Technology I*	12
	AH 160 Sterile Processing II*	7
	AH 167 Sterile Processing Practicum II	7
2010/Fall	SG 101 Surgical Technology Skills*	15
	AH 130 Introduction to Sterile Processing*	7
	AH 135 Surgical Instrumentation	7
	AH 165 Sterile Processing Practicum I	7
2011/Spring	SG 120 Surgical Technology I*	14
	AH 160 Sterile Processing II*	7
	AH 167 Sterile Processing Practicum III	7
2011/Fall	SG 100 Introduction to Surgical Technology*	14
	AH 130 Introduction to Sterile Processing	3
	AH 135 Surgical Instrumentation	

*Team Teaching 50%

- (b) If degree is not in area of current assignment, explain.

- (c) Identify your professional development activities during the past five years.
 CPR Certified; Member of: Association of Surgical Technologists, International Association of Healthcare and Central Service Material Management.
 Completed continuing education in areas of central sterile, infection control, instrumentation cleaning, operating room fires and radiation safety.

APPENDIX III

Appendix III

Enrollment

	Spring	Fall
2009	0	13
2010	9	8
2011	3	11

APPENDIX IV

Appendix IV

Graduates

	Spring
2009	* 0
2010	3 Completed CSS Classes-Passed Certification 2 Achieved Southern Certificate-Passed Certification
2011	2 Completed CSS Classes-Passed Certification 0 Achieved Southern Certificate
2012	7 Slated to Graduate May 2012

*Initial Class Accepted Fall 2009