

**CENTRAL NEW MEXICO COMMUNITY COLLEGE**  
**ASSESSMENT REPORT**  
*Due to SAAC by September 30*

**PART 1: CONTACT & PROGRAM IDENTIFICATION**

Report Year and Contact Information:			
<u>2013-2014</u> <b>Academic Year</b>	<u>Amy Rademacher-Neel</u> <b>Contact Person</b>	<u>arademachernee@cnm.edu</u> <b>Email</b>	<u>Ext. 50187</u> <b>Phone Number</b>

Subject of this Assessment Report:		
<b>Program:</b> <u>Surgical Technology</u>  <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____  Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Discipline Area:</b> _____

**PART 2: EVIDENCE OF ACHIEVEMENT OF PROGRAM OUTCOMES**

Summary of Program Success in Achieving Desired Outcomes:
<p>The Surgical Technology Exit Competencies scored in the following fashion:</p> <p>Outcome #1—95.8% Outcome #2—100% Outcome #3—94.7% Outcome #4—100% Outcome #5—100%</p> <p>The program either met or exceeded the thresholds set.</p>

Description and Evaluation of Recent Changes Made in Support of Student Learning:
<p>The outcomes use various sources. Four of the five outcome uses data that is reported to the ARC/STSA accreditation board. We also use data provided to us by our community partners. Our exit competencies are discussed at our annual advisory committee meeting. No changes were recommended at the last meeting.</p>

**PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING PROCESSES**

Learning Outcome(s)/Exit Competencies Assessed:	Classes/Cohorts Assessed:
<p><i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i></p> <p>1. <u>Apply sterile and aseptic technique in the perioperative environment.</u> These skills include:</p> <ul style="list-style-type: none"> <li>• Establish and maintain a sterile operative field to provide for safe patient care</li> <li>• Promote a surgical conscience: report any break in aseptic technique and correct all violations whether observed or unobserved</li> <li>• Anticipate surgeon's needs by demonstrating a basic knowledge of surgical procedures, utilizing aseptic technique and knowledge of instrumentation and suture</li> <li>• Demonstrate a basic knowledge of surgical procedures</li> <li>• OR attire and proper PPE's</li> <li>• Counting sponges, sharps, and instruments</li> <li>• Safety policies and procedures (sharps, electrosurgical, positioning)</li> <li>• Labeling and announcing medications and fluids</li> <li>• Universal Protocol</li> </ul>	<p>Class of 2013-2014</p>
<p>2. <u>Exhibit behaviors consistent with professional and employer expectations.</u> These behaviors will help the student to be successful in securing and maintaining a career in the profession of surgical technology. They will include:</p> <ul style="list-style-type: none"> <li>• Punctuality</li> <li>• Teamwork</li> <li>• Appropriate interaction with patients of all ages and backgrounds</li> <li>• Respect to personal beliefs without discrimination of patient care</li> <li>• Communicate effectively and work cooperatively with supervisor, coworkers and surgical team in preoperative, intraoperative and postoperative care of the surgical patient</li> <li>• Provide for patient privacy and maintain patient confidentiality</li> </ul>	<p>Class of 2013-2014</p>

<p>3. <u>Perform disinfection, sterilization, and processing of surgical instruments.</u> These skills will include:</p> <ul style="list-style-type: none"> <li>• Cleaning of instruments during the surgical procedure</li> <li>• Containment and transportation to the decontamination room</li> <li>• Using proper cleaning agents and methods to effectively clean instruments</li> <li>• Visually inspecting instruments prior to sterilization;</li> <li>• Assembling, packaging, sterilization, and distribution of instrumentation</li> </ul>	<p>Class of 2013-2014</p>
<p>4. <u>Participate in professional development:</u> Students should be committed to the perioperative profession by participation in professional organizations and educational workshops while enrolled in the program.</p> <ul style="list-style-type: none"> <li>• Obtaining membership of professional organization (AST)</li> <li>• Obtaining certification as a professional by taking the national Surgical Technology Certification (CST) exam upon the completion of the program.</li> </ul>	<p>Class of 2013-2014</p>
<p>5. <u>Maintain Accreditation Thresholds:</u></p> <ul style="list-style-type: none"> <li>• 100% of the graduates will sit for the CST exam and maintain a threshold of a 70% pass rate</li> <li>• Maintain a threshold of 70% with student retention</li> <li>• Maintain a threshold of 80% with graduate employment</li> <li>• Maintain a threshold of a 50% return rate with an 85% satisfaction rate with employer surveys</li> <li>• Maintain a threshold of a 50% return rate with an 85% satisfaction rate with graduate surveys</li> </ul>	<p>Class of 2013-2014</p>

Measurement Tool(s) Used:	Enter X's for type of tool				Initial Achievement Target or Expectation:
	Internal	External	Direct	Indirect	
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>					
Outcome 1: Fall Clinical Final Evaluation questions 4, 7, 11 Critical Indicators on Spring Clinical Final Evaluation Embedded questions CST Board Exam (intra-operative)	X		X		71%
	X		X		100%
		X	X		71%
Outcome 2: Employer Surveys Clinical Final Evaluation questions 2, 11, 14, 15, 21, 22 Critical Indicators 5, 6		x		x	50% return rate with an 85% satisfaction rate
	x		x		71%
					100%
Outcome 3: Clinical Final Evaluation questions 14, 20 Embedded questions CST Board Exam (SPD) SPD Skills Form	x		x		71%
		x		x	70%
	x		x		71%
Outcome 4: National Board of Surgical Technologist and Surgical		x		x	100% participation

Assisting NM State Assembly of the Association of Surgical Technologist		x		x	100% participation
Outcome 5: National Board of Surgical Technologist and Surgical Assisting		x		x	100% of graduates will sit for CST exam and maintain a threshold of a 70% pass rate
Student retention			x		Maintain a threshold of 70% with student graduation
Graduate Employment	x		x		Maintain a threshold of 80% with graduate employment
Employer Surveys	x	x		x	Maintain a threshold of 50% return rate with an 85% satisfaction rate
Graduate Surveys		x		x	Maintain a threshold of 50% return rate with and 85% satisfaction rate

<b>Assessment Results/Findings:</b>
<p>Outcome 1: In ST 1590, the students scored overall 98% on question 4; 96% on question 7; and 100% on question 14. In ST 2090, the students scored 100% on the critical indicators. On the CST exam, the intraoperative overall score was 78%. The overall score on Outcome 1 is 94.4% which meets or exceeds the goals set for this outcome.</p> <p>Outcome 2: Thirteen employer surveys were sent out. Eight were returned, with one not filled out. There was a 54% return rate (7/13) with a 100% satisfaction rate. This meets or exceeded the goal set for this outcome.</p> <p>Outcome 3: In ST 1590, eleven students received 5 out of 5 points on question 14. One student received an n/a and the grade was changed to 5 by a faculty member. This change was calculated as a zero, giving students a score of 91.6% on this question. 83% of students passed the SPD area of the CST with an overall score of 77%. In ST 2090, question 20 received an overall score of 100%, and the 100% of the students successfully completed the criteria on SPD form. Outcome 3 had an overall score of 93.7% which met or exceeded the goals set for this outcome.</p> <p>Outcome 4: In ST 2090, 12 out of 12 students sat for their board exams and joint AST and the NM state assembly. Outcome 3 had an overall score of 100% which met the goal for this outcome.</p> <p>Outcome 5: 12 out of 12 students sat for the CST exam and had a pass rate of 92%. The program started with 17 students and 12 students graduated giving us a 71% retention rate. Reporting on the class of 2012-2013, 13 students graduated and 13 students were employed, giving us a 100% employment rate. The employer and graduate surveys reported on the annual report both had a 67% return rate with 100% satisfaction rates. The program met or exceeded the criteria set by the Accreditation Review Committee for Surgical Technology and Surgical Assisting.</p>

<b>Analysis and Interpretation of Assessment Results/Findings:</b>
All outcomes met or exceeded the goals set by the program and accrediting board.

**Action Plan in Support of Student Learning:**  
 No changes will be made.

**Recommendations, Proposals, and/or Funding Requests:**  
 The program recently changed the program from a certificate program to an AAS degree as well as added a second cohort. A request for increased funding for supplies to accommodate the additional students has been made to the dean.

**PART 4: EMBEDDED OUTCOMES**

**Critical Thinking and Life Skills/Teamwork Development within Programs:**

a) Please describe how Critical Thinking assessment is embedded within your program assessment.  
 b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.

a) This is assessed in Outcome 1: Apply sterile and aseptic technique in the perioperative environment. •Anticipate surgeon’s needs by demonstrating a basic knowledge of surgical procedures, utilizing aseptic technique and knowledge of instrumentation and suture.

b) This is assessed in Outcome 2: Exhibit behaviors consistent with professional and employer expectations.• Teamwork, Communicate effectively and work cooperatively with supervisor, coworkers and surgical team in preoperative, intraoperative and postoperative care of the surgical patient

**PART 5: ASSESSMENT CYCLE PLAN (Copy and paste from original plan if unchanged)**

**Plan Description:**  
 The Surgical Technology program has changed from a certificate program to an AAS degree. We will not be assessing the General Ed portion of the degree and will continue to assess the Surgical Technology portion of the degree. The Surgical Technology program has also increased the number of cohorts offered from one to two cohorts. Cohort 1 runs Summer through Spring. Cohort 2 runs Fall through Summer. Both cohorts will be assessed.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. <u>Apply sterile and aseptic technique in the perioperative environment.</u> These skills include: <ul style="list-style-type: none"> <li>• Establish and maintain a sterile</li> </ul>	2015-2020	ST 1590 ST 2090	Tool 1, Fall Clinical Final Evaluation Tool 2, Spring Clinical Final Evaluation

<p>operative field to provide for safe patient care</p> <ul style="list-style-type: none"> <li>• Promote a surgical conscience: report any break in aseptic technique and correct all violations whether observed or unobserved</li> <li>• Anticipate surgeon's needs by demonstrating a basic knowledge of surgical procedures, utilizing aseptic technique and knowledge of instrumentation and suture</li> <li>• Demonstrate a basic knowledge of surgical procedures</li> <li>• OR attire and proper PPE's</li> <li>• Counting sponges, sharps, and instruments</li> <li>• Safety policies and procedures (sharps, electrosurgical, positioning)</li> <li>• Labeling and announcing medications and fluids</li> <li>• Universal Protocol</li> </ul>			
<p>2. <u>Exhibit behaviors consistent with professional and employer expectations.</u> These behaviors will help the student to be successful in securing and maintaining a career in the profession of surgical technology. They will include:</p> <ul style="list-style-type: none"> <li>• Punctuality</li> <li>• Teamwork</li> <li>• Appropriate interaction with patients of all ages and backgrounds</li> <li>• Respect to personal beliefs without discrimination of patient care</li> <li>• Communicate effectively and work cooperatively with supervisor, coworkers and</li> </ul>	<p>2015-2020</p>	<p>ST 1590 ST 2090</p>	<p>Tool 4, Employer Survey</p>

	<p>surgical team in preoperative, intraoperative and postoperative care of the surgical patient</p> <ul style="list-style-type: none"> <li>• Provide for patient privacy and maintain patient confidentiality</li> </ul>			
3.	<p><u>Perform disinfection, sterilization, and processing of surgical instruments.</u> These skills will include:</p> <ul style="list-style-type: none"> <li>• Cleaning of instruments during the surgical procedure</li> <li>• Containment and transportation to the decontamination room</li> <li>• Using proper cleaning agents and methods to effectively clean instruments</li> <li>• Visually inspecting instruments prior to sterilization;</li> <li>• Assembling, packaging, sterilization, and distribution of instrumentation</li> </ul>	2015-2020	ST 1590 ST 2090	<p>Tool 1, Fall Clinical Final Evaluation</p> <p>Tool 6, CST Exam</p> <p>Tool 2, Spring Clinical Final Evaluation</p> <p>Tool 7, SPD form</p>
4.	<p><u>Participate in professional development:</u> Students should be committed to the perioperative profession by participation in professional organizations and educational workshops while enrolled in the program.</p> <ul style="list-style-type: none"> <li>• Obtaining membership of professional organization (AST)</li> <li>• Obtaining certification as a professional by taking the national Surgical Technology Certification (CST) exam upon the completion of the program</li> </ul>	2015-2020	ST 1590 ST 2090	<p>Tool 8, AST registration</p> <p>Tool 6, CST Exam</p>
5.	<p><u>Maintain Accreditation Thresholds:</u></p> <ul style="list-style-type: none"> <li>• 100% of the graduates will sit for</li> </ul>	2015-2020	ST 2090	Tool 6, CST exam



<p>the CST exam and maintain a threshold of a 70% pass rate</p> <ul style="list-style-type: none"> <li>• Maintain a threshold of 70% with student retention</li> <li>• Maintain a threshold of 80% with graduate employment</li> <li>• Maintain a threshold of a 50% return rate with an 85% satisfaction rate with employer surveys</li> <li>• Maintain a threshold of a 50% return rate with an 85% satisfaction rate with graduate surveys</li> </ul>			<p>Tool 3, Clinical Rubric</p> <p>Tool 4, Employer Survey</p> <p>Tool 5 Graduate Survey</p>
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