Cycle: 2018-2019

DIPLOMA IN APPLIED SCIENCE her IN APPLIED SCIENCE WITH A MAJOR IN SURGICAL TECHNOLOGY

Program Mission Statement:
The FDTC Surgical Technology Program provides high-quality educational experiences that prepare graduates to successfully pass their national certification exam and obtain entry-level positions.

Division: Health and Human Services

AVP: Dan Averette

Department Chair: Dawn Nelson

Director: Marianne Caviston

SACSCOC Standard: 8.2A

Accrediting Agency: ☒ Yes ☐ No

Name: Accreditation Review Committee on Education in Surgical Technology and Surgical Assisting (ARC-STSA).

Certification Exam(s): ☒ Yes ☐ No

Agency Name: National Board of Surgical Technology and Surgical Assisting (NBSTSA)

Credential: CST - Certified Surgical Technologist

Program Student Learning Outcome	Monitoring Year
Incorporate the theoretical knowledge of the anatomy, physiology, pathophysiology, microbiology, medical terminology, pharmacology, and surgical procedures into clinical practice as a qualified, entry level surgical technologist.	2019-2020
Adapt a strong surgical conscience as evident by their proficient practice in aseptic technique, proper use and care of instrumentation, clinical judgement and anticipation of the surgeon and surgical case needs.	2018-2019
Support the Surgical Technology Code of Ethics by demonstrating professional behaviors to include ethical, legal, moral, and medical values related to the patient and surgical team during the perioperative experience.	2020-2021

STUDENT LEARNING OUTCOMES FOR DAS.ORT – 2018-2019

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance for the program?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? NOTE: include student ratio with all results.	How will you use this information to improve the program
Adapt a strong surgical conscience as evident by their proficient practice in aseptic technique, proper use and care of instrumentation, clinical judgement and anticipation of the surgeon and surgical case needs.	SUR 101 Introduction to Surgical Technology	Artifact used for this PSLO are Sterile Processing Skill Assessment and Module IV exam, a cumulative 200 identification instrument final.	85% of the students will receive 77% or higher.	Spring 2019	11 out of the 11 students received a 77% or higher on the artifact chosen for this assessment. The cohort average was 91.8%.	The expected level of learning was met. Will continue to use performance metrics to evaluate results.
	SUR 103 Surgical Procedures I	Artifact used for this PSLO is two Mock Surgery assignments. This assignment is a combination of didactic and psychomotor evaluation.	85% of the students will receive 77% or higher.	Summer 2019	11 out of the 11 students received a 77% or higher on the artifact chosen for this assessment. The cohort average for the two Mock Surgeries was 87.8%.	The expected level of learning was met. However, 2 out of 11 students did not meet a 77% or higher on one of the two Mock Surgery assignments, the average did bring them above 77%.

STUDENT LEARNING OUTCOMES FOR DAS.ORT – 2018-2019

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance for the program?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? NOTE: include student ratio with all results.	How will you use this information to improve the program
Adapt a strong surgical conscience as evident by their proficient practice in aseptic technique, proper use and care of instrumentation, clinical judgement and anticipation of the surgeon and surgical case needs.	SUR 107 Surgical Specialty Procedures	Artifact used for this PSLO are Module I, II, III, IV, and V Exams. These modules covered ENT, orthopedic, neurosurgical, plastic, and vascular procedures.	85% of the students will receive 77% or higher.	Summer 2019	7 out of the 10 students received a 77% or higher on the artifact chosen for this assessment. The cohort average was 80.6%. The lowest average for this artifact was 72.85% and the highest was 93.96%. The cohort average was 81.4%.	The expected level of learning was not met. An understanding of procedures is important for proper clinical judgement and proficient anticipation of the surgeon and surgical case needs. The student needs a strong understanding of anatomy and physiology. In the future more, anatomy and physiology will be focused on during lecture.

STUDENT LEARNING OUTCOMES FOR DAS.ORT – 2019-2020

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance for the program?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? NOTE: include student ratio with all results.	How will you use this information to improve the program
Incorporate the theoretical knowledge of the anatomy, physiology, pathophysiology, microbiology, medical terminology, pharmacology, and surgical procedures into clinical practice as a qualified, entry level surgical technologist.	SUR 120 Surgical Seminar	Artifacts used for this PSLO are didactic testing. Student averages were used for the following assessments: Two mock certification exams and the HESI exam. These written exams demonstrate that the student is able to apply their knowledge.	85% of the students will receive 77% or higher.	Fall 2019 Summer 2020	14 out of 19 students (73.7%) received a 77% or higher on the artifacts chosen for this assessment. The lowest score for this artifact was 68.99% and the highest was 95.35%. The cohort average was 81.4%.	The expected level of learning was not met. The program is three semesters and often a chapter or two of procedures is taught at the beginning of the course in the last semester. We are moving to an associate degree that will have 3 procedure courses, instead of 2. The students will be able to completely focus on review from previous courses in preparing for their certification exam at his point. This course will be offered spring 2023 for the first time in the associated degree program. We will have one more cohort, summer 2021, that will still be a part of the 3-semester program.

STUDENT LEARNING OUTCOMES FOR DAS.ORT – 2019-2020

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance for the program?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? NOTE: include student ratio with all results.	How will you use this information to improve the program
Incorporate the theoretical knowledge of the anatomy, physiology, pathophysiology, microbiology, medical terminology, pharmacology, and surgical procedures into clinical practice as a qualified, entry level surgical technologist.	SUR 113 Surgical Practicum SUR 114 Surgical Specialty Practicum These courses are the same end course, because of summer vs fall offering and credit hours we used the two different courses.	Artifacts used for this PSLO is an average of the Clinical Grade. 80% of this grade is based on Preceptor Evaluations, Instructor Evaluations, and Dress Code Adherence.	85% of the students will receive 77% or higher.	Fall 2019 Summer 2020	19 out of 19 students achieved a 77% or higher. The lowest score for this artifact was 82.6 and the highest was 99.6. The cohorts average is 93.70.	The expected level of learning was met. Will continue to use performance metrics to evaluate results.

STUDENT LEARNING OUTCOMES FOR DAS.ORT – 2019-2020

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance for the program?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? NOTE: include student ratio with all results.	How will you use this information to improve the program
Incorporate the theoretical knowledge of the anatomy, physiology, pathophysiology, microbiology, medical terminology, pharmacology, and surgical procedures into clinical practice as a qualified, entry level surgical technologist.	SUR 116 Basic Surgical Procedures	Artifact used for this PSLO are Module I, II, III, and IV. These module exams cover pharmacology.	85% of the students will receive 77% or higher.	Fall 2019	11 out of 13 students (85%) received a 77% or higher on the artifacts chosen for this assessment. The lowest score for this artifact was 74.49% and the highest was 96.21%. The cohort average was 84.7%.	The expected level of learning was met. Will continue to use performance metrics to evaluate results. .

STUDENT LEARNING OUTCOMES FOR DAS.ORT – 2020 - 2021

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance for the program?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? NOTE: include student ratio with all results.	How will you use this information to improve the program
Support the Surgical Technology Code of Ethics by demonstrating professional behaviors to include ethical, legal, moral, and medical values related to the patient and surgical team during the perioperative experience.	SUR 102 Applied Surgical Technology	Artifact used for this PSLO is the Module I Exam. Module I covered The Surgical Technologist, Communication Teamwork, and Professionalism, and Legal, Regulatory, and Ethical Issues.	85% of the students will receive 77% or higher.	Fall 2020	15 out of 16 students (94%) achieved a 77% or higher. The highest score for this artifact was a 92% and the lowest was a 67%. The cohort average is 83.5%.	The expected level of learning was met. However, no one received an A. 56% of the cohort received a B with an 87.8 average. 38% of the cohort received a C with a 79.8% average. Faculty is not happy with these scores especially since it is so important. Faculty plans on having small group activities to help reinforce what they learn and show an increase in grades.
	SUR 110 Surgical Practicum I	Artifact used for this PSLO is the Daily Performance Review – Clinical Evaluation tool. Questions 1,2,3,4,7,14,19, & 21, and Instructor's Midterm and Final Evaluation, questions 3,4,5,8,11,& 12 all pertain to ethics and moral medical values.	85% of the students will receive 77% or higher.	Spring 2020	12 out of 12 students achieved a 77% or higher. The highest score for this artifact was a 97% and the lowest was a 91%. The cohort average is 95%.	The expected level of learning was met. Will continue to use performance metrics to evaluate results.

CONTINUOUS STUDENT IMPROVEMENT

This Cycle's Results and Comparison to Last Cycle's and Recommended Actions:

The Surgical Technology Program was not adequately evaluating the students and failing to produce quality students to the clinical sites for a few years before 2018. The program went through staff changes, including 4 different Program Directors. Licensure rates were low. A new Program Director took the program over in 2018 and has made many changes in the curriculum, raised licensure rates and improved our reputation in the community by producing quality surgical technology students.

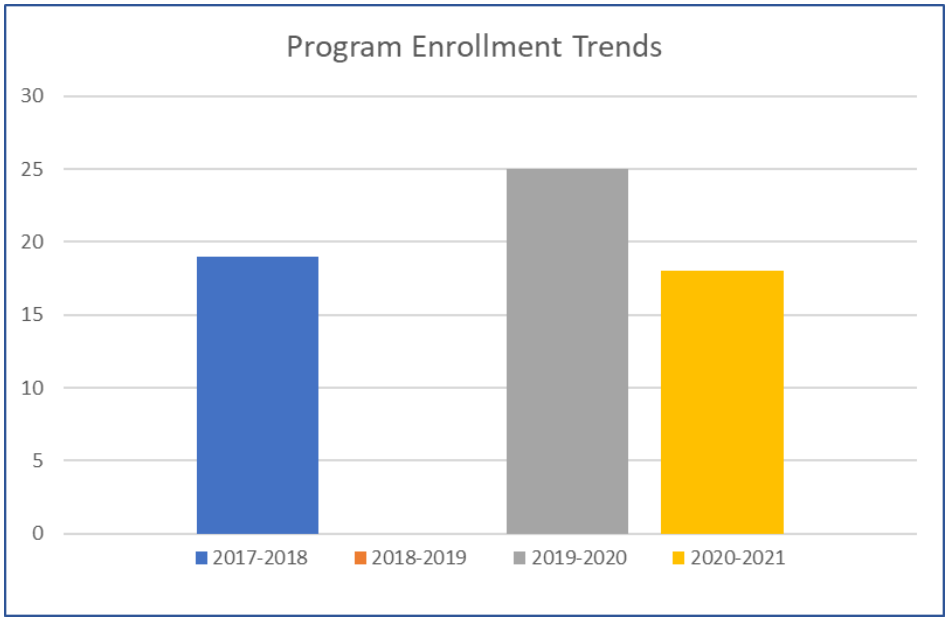
The Surgical Technology Diploma Program was delayed accepting a new cohort in fall 2018 to spring 2019 so the program could be restructured to have more positive outcomes. One new course was added to the curriculum: SUR 116 – Basic Surgical Procedures (3-0-3). This gave us more time to focus on medication and anesthesia used during surgical procedures. SUR 103 – Surgical Procedures I, was changed from 4-0-4 to 3-3-4 so that 3 hours of lab time during second semester could reinforce and build off the skills learnt first semester.

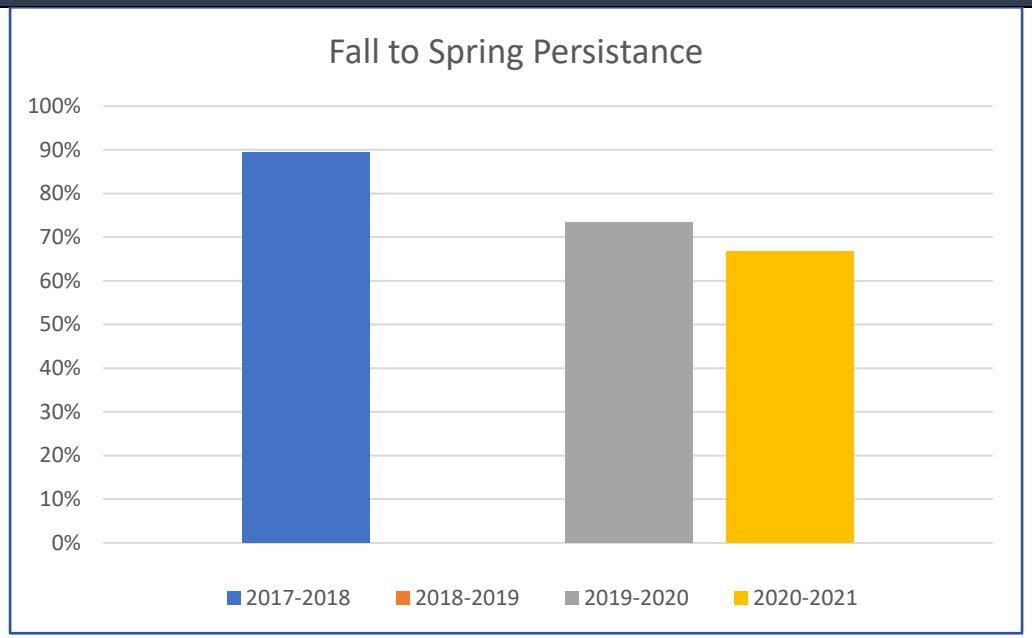
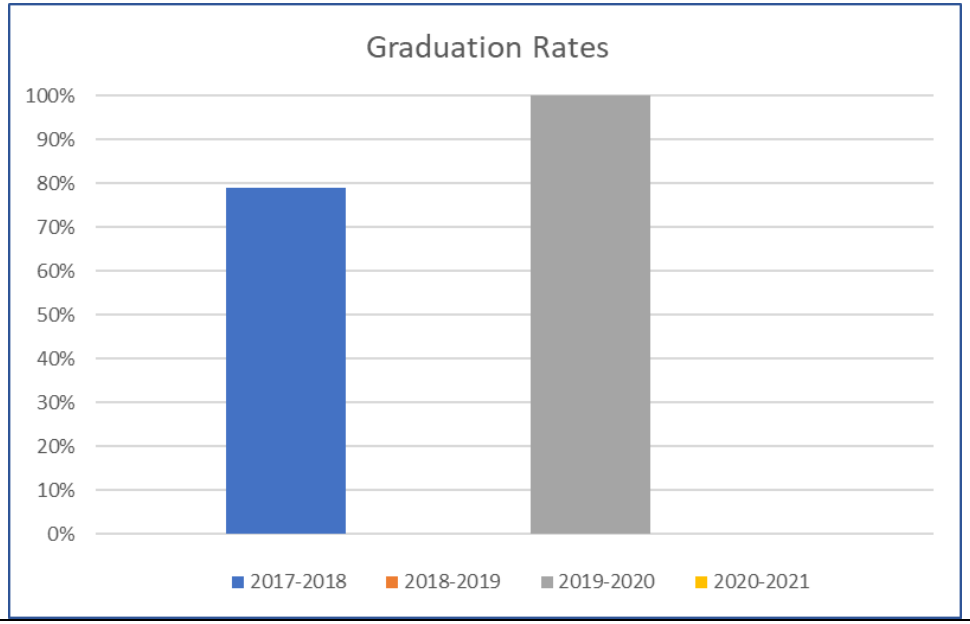
The program acquired a room to use as an Instrument Lab. The instruments are left out so the students can go in and have time for hands on and to study the instruments. 3 hours from SUR 101 – Introduction to Surgical Technology, 6-hour lab is used for instrumentation.

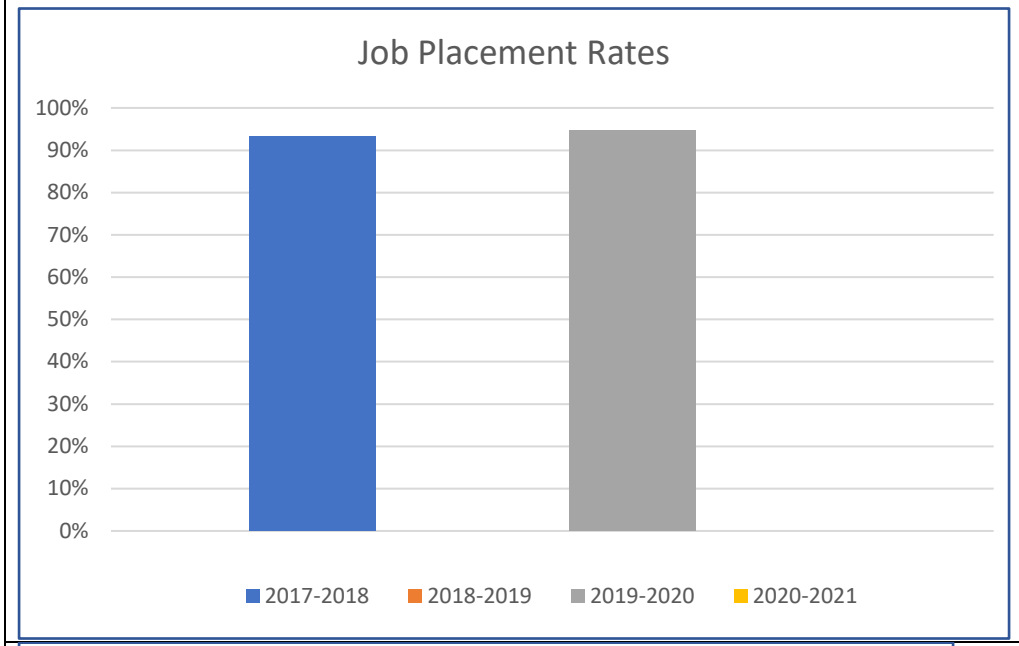
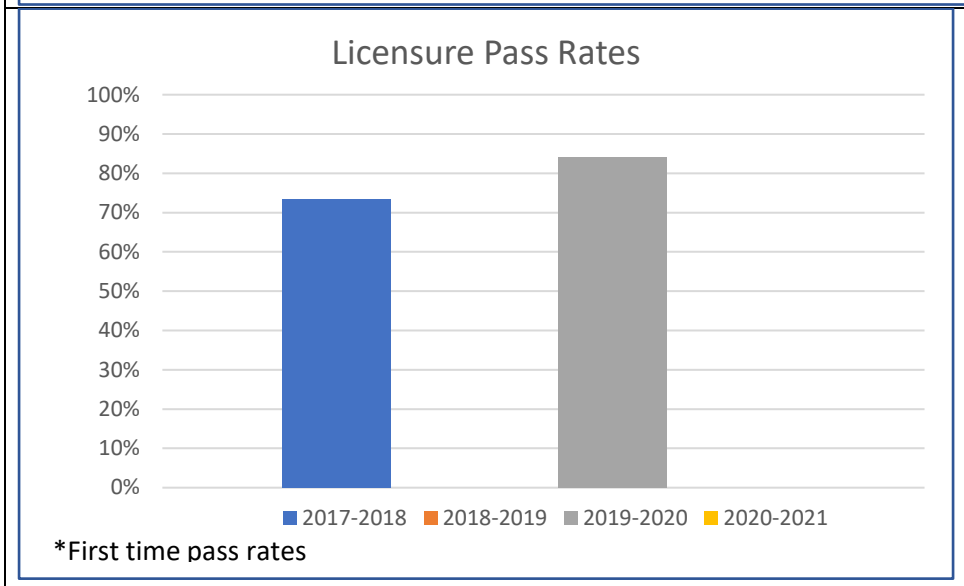
The students start taking Certification Review Quizzes second semester to keep the information they learned the first semester fresh in their minds, they also take these during their third semester. Three mock certifications exams have been added to SUR 120 – Surgical Seminar. The students take the Surgical Technology HESI exam at the beginning of the semester to establish their weaknesses and a study plan for the semester. They also take a mock exam for a midterm and a final. This quizzing and testing has led to better licensure pass rates.

Fall to spring persistence needs to improve. Faculty hopes that with the program changing to an associate degree program that this rate will improve. The students will have 5 semesters, including an extra procedure course, to learn the same information that they have been given in 3 semesters. The students will now have two semesters to learn and hone their skills before taking their Final Skills Practicum. The faculty hopes with an extra procedure course the students will have more time to learn and understand procedures and the anatomy that is related to them. The program has also raised the acceptance program GPA from a 2.0 to a 2.5.

PROGRAM VITAL STATISCS

Indicator	Trend Analysis	Action Plans
	In delaying the Fall 2018 start of the program, the rumor went around the program was cancelled and impacted enrollment for Spring 2019. 12 students were enrolled for SP2019 and 15 for FA 2019. FA 2020 enrolled 18. This shows a consistent increase. Note: Spring 2020 cohort completed the program in Fall 2020.	The Surgical Technology Program will be an associate degree beginning Fall 2021. We have already seen an increase in enrollment due the changes that have been made and anticipate reaching our cap enrollment of 20.

Indicator	Trend Analysis	Action Plans
	Fall to spring persistence has been impacted by program changes. More Skill Assessment have been added to labs along with a Final Skills Practicum that the students must pass to progress in the program to the spring.	The Surgical Technology Program will be an associate degree beginning Fall 2021. The students will have two semesters to master their skills before having the Final Skills Practicum. The GPA for admittance into the program has also been increased from a 2.0 to a 2.5. The hope is that with these changes the students will successfully transition from fall to spring.
	Fall to Spring persistence had an effect on the graduation rate. 2019-202 had two cohorts graduate. The first cohort graduated FA 2019 with 83%. The second cohort graduated SU 2020 with 60%.	As noted above, the Surgical Technology Program will be an associate degree beginning Fall 2021. The students will have two semesters to master their skills before having the Final Skills Practicum. The GPA for admittance into the program has also been increased from a 2.0 to a 2.5. The hope is that with these changes the students will be successful in the program and graduate.

Indicator	Trend Analysis	Action Plans
	In the state of South Carolina to work as a Surgical Technologist you need to be certified. The Surgical Technology Program's reputation has gotten better, as a result employers are seeking out our students. The students who did not have job placement for the 2017-2018 and 2019-2020 was by their choice, which was one student in each.	The Surgical Technology will continue to produce strong, confident, and knowledgeable certified surgical technologists.
	The Surgical Technology Program has gradually been increasing its licensure pass rates. In 2019-2020 we have two cohorts graduate and take the exam. The first cohort graduated FA 2019 with a 80% pass rate. The second cohort graduated SU 2020 with 88.9%.	With the Surgical Technology Program moving to an associate degree program the students will now have 5 semesters instead of 3 to learn the same information. This should lead to higher licensure pass rates.