2018 INSTRUCTIONAL ANNUAL PROGRAM PLANNING WORKSHEET

CURRENT YEAR: **2018-2019**

PROGRAM: LICENSED VOCATIONAL NURSING

CLUSTER: MATH/SCIENCE, NURSING/ALLIED HEALTH, KINESIOLOGY, HEALTH SCIENCES & ATHLETICS

LAST YEAR CPPR COMPLETED: **2016-2017**

NEXT SCHEDULED CPPR: **2018-2019**

CURRENT DATE: **3/2/2018**

This APPW encompasses the following degrees and/or certificates:
- A.S. LVN Associate Degree in Science
- C.A. Licensed Vocational Nursing Certificate
- C.S. LVN Basic Intravenous Therapy, Blood Administration, and Phlebotomy Certificate

GENERAL PROGRAM UPDATE

The LVN program prepares students for entry-level vocational nursing positions in a variety of healthcare settings. The program is offered as a 12-month Fast Track program that can be completed in one year, including two 18-week semesters and a 10-week summer session. The program is offered on the North County Campus with clinical sites ranging from Paso Robles to Arroyo Grande.

An Associate Degree LVN option became effective Fall 2016.
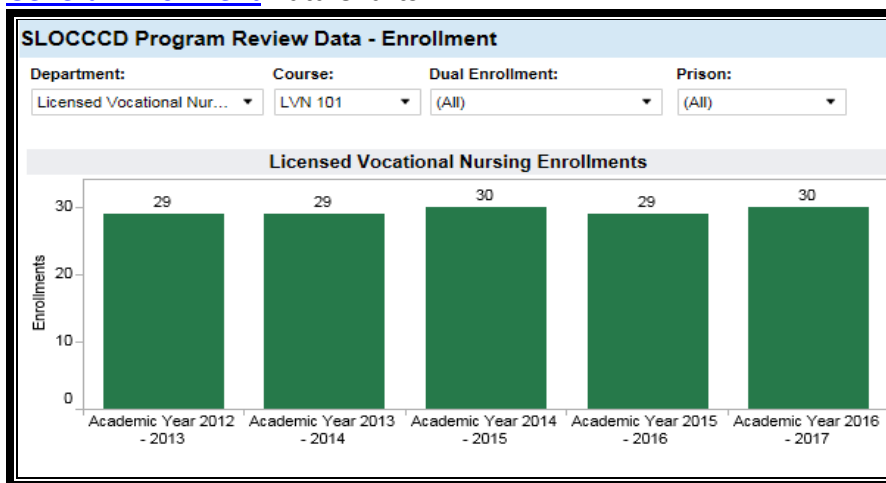
PROGRAM SUSTAINABILITY PLAN UPDATE

Was a Program Sustainability Plan established in your program's most recent Comprehensive Program Plan and Review?

Yes ☐ If yes, please complete the Program Sustainability Plan Progress Report below.

No ☒ If no, you do not need to complete a Progress Report.

DATA ANALYSIS AND PROGRAM-SPECIFIC MEASUREMENTS

1. General Enrollment Data Charts:

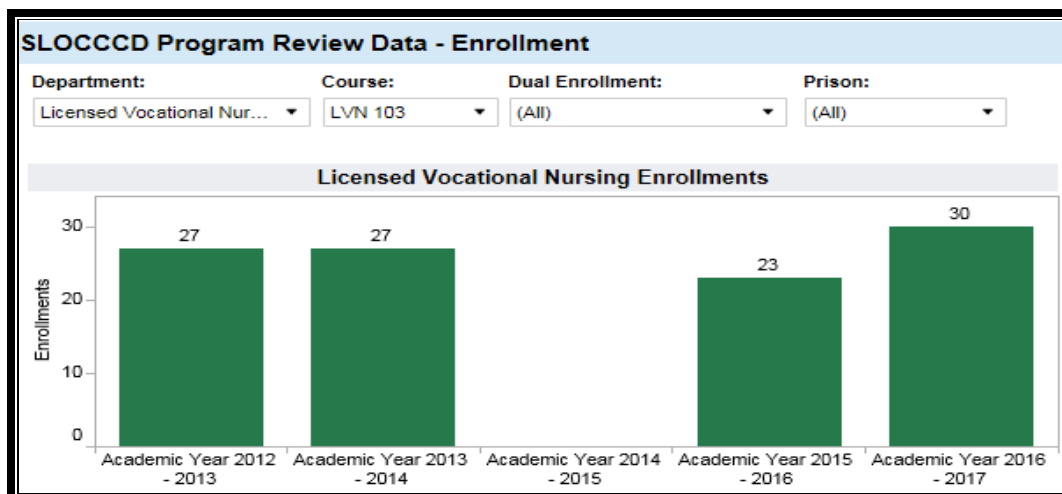**Fall Semester Theory Course (1st semester of 3 in the LVN Program)**

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The above chart demonstrates enrollments into the 1st semester of the LVN program. Enrollment is by application and regulated at 30 students by the Board of Vocational Nursing and Psychiatric Technicians (BVNPT). Enrollments are expected to remain consistent with thirty students as indicated by LVN 101, a first semester required course.
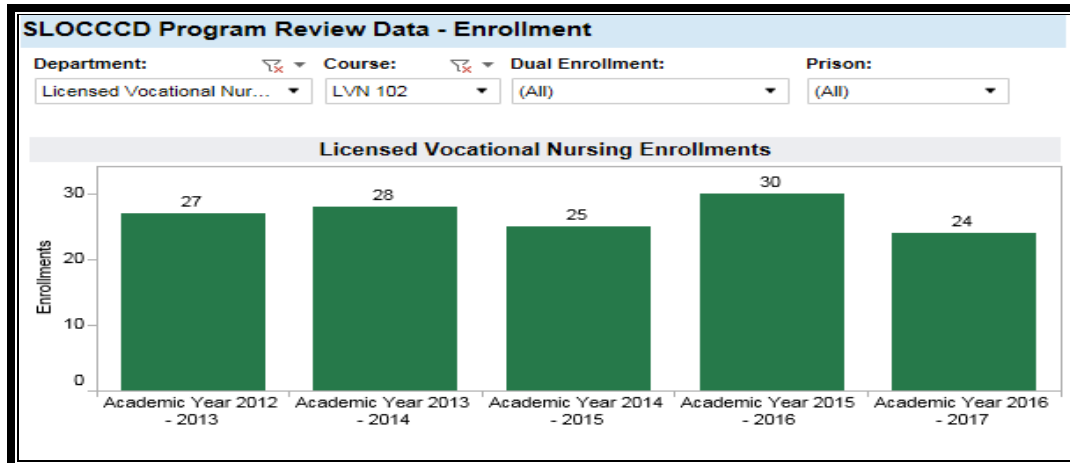
Spring Semester Theory Course (2nd semester of 3 in the LVN Program)
The above chart demonstrates enrollments of students who progress to the 2nd semester of the LVN program. More variability is noted in the 2nd semester courses, due to academic or personal student drops from the program. As able, vacated seats are filled with reentry students who obtained a faculty approved leave of absence, which is good for one year only.


Summer Semester Theory Course (third semester of 3 in the LVN Program)
Third semester enrollment data reflects the final of three semesters in the LVN Program. Course enrollment data again reflects the variability secondary to attrition and the inability to fill seats since students must complete the three semesters sequentially. The number of students progressing to the 3rd semester of the LVN program, and enrolled in LVN 103 per internal program data is:

2012: 28   2015: 23
2013: 27   2016: 30
2014: 27   2017: 24

2018 INSTRUCTIONAL ANNUAL PROGRAM PLANNING WORKSHEET

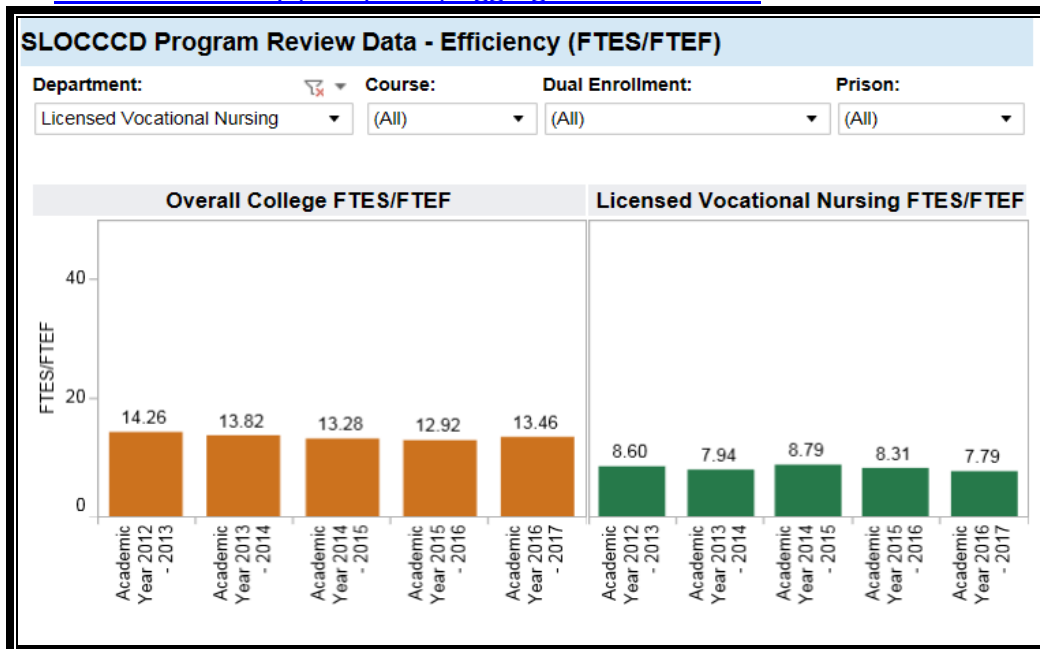**2.** General Student Demand (Fill Rate) Data Charts:
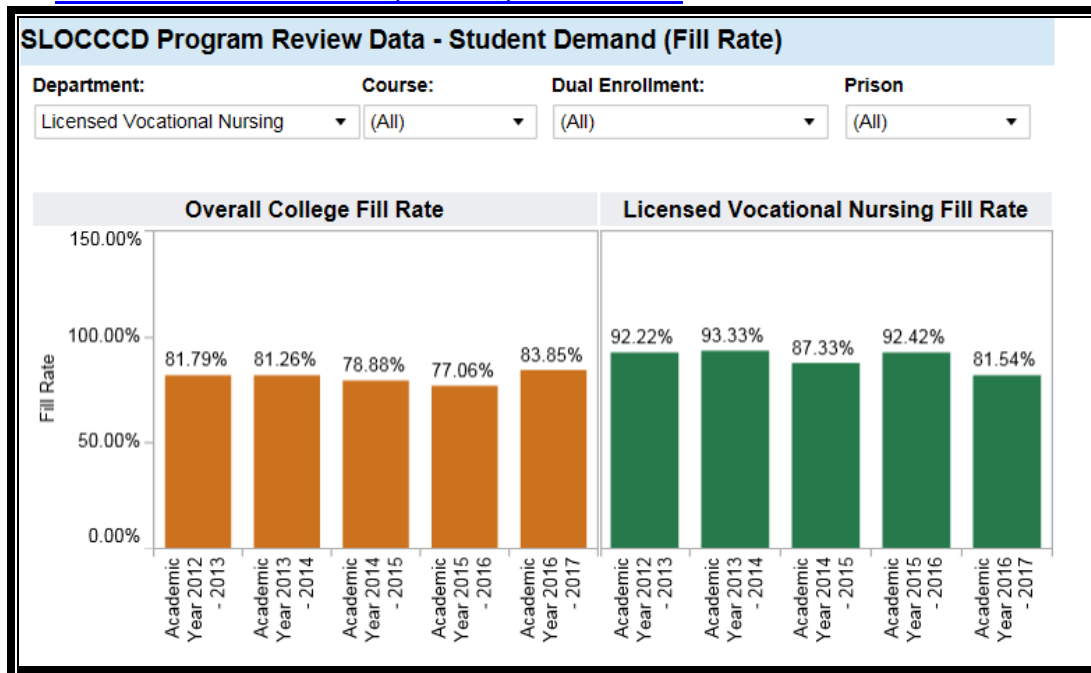
LVN Program course fill rate is consistent and above overall college numbers. Fill rates at the beginning of the LVN program are always 100%. Any variance to this fill rate is related to student attrition due to academic or personal reasons. Attrition does occur in the 12-month, accelerated, demanding fast-track LVN program. Students who drop are eligible to reenter the program within one year with a faculty approved leave of absence / reentry request, and pending an available space in the semester they exited.

To minimize attrition in the 2nd and 3rd semesters, faculty have determined to increase math and biology prerequisites to better prepare students and increase program completion numbers in the next application cycle. In addition, faculty hold Information Sessions every Fall and Spring to inform and prepare interested applicants of the program expectations and time requirements of a student once admitted. Despite this, some students are not prepared with adequate financial and family support to be successful.

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3. General Efficiency (FTES/FTEF) Aggregated Data Chart:

The data above reveals efficiency numbers for both LVN lecture and clinical patient care courses combined. The efficiency is below overall college numbers due to the clinical courses that require a lower student to faculty ratio to adequately supervise students and ensure safe patient care.
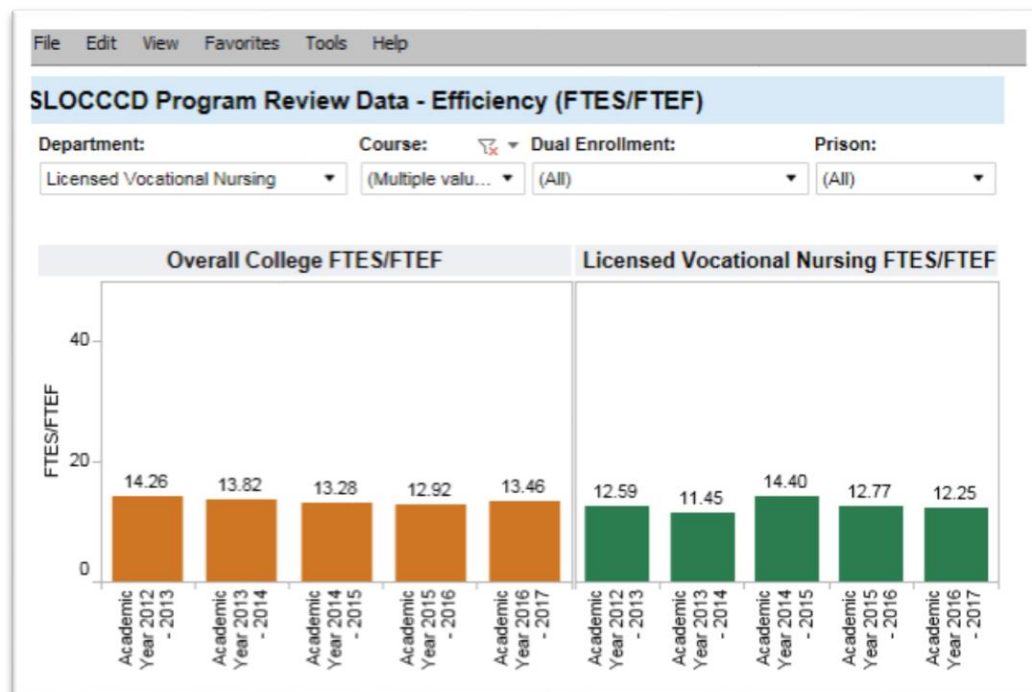

The efficiency chart above reflects numbers of lecture courses, minus clinical courses, in the 3 semesters of the LVN program. These numbers demonstrate an efficiency maintained in the

LVN program relatively consistent with overall college numbers. It is important to note that one clinical faculty member is donated by a community partner, making the program more efficient than the data chart appears.

The LVN program admits 30 students annually. This number is restricted for several reasons. The size of the LVN program is a complex determination balancing the needs of clinical agencies, patient care experiences, market forecasting, and college requirements. In addition, we cannot admit additional students or add required credits into the three semesters of the nursing program without regulatory approval from the Board of Vocational Nursing and Psychiatric Technicians (BVNPT).

4. Student Success—Course Modality Data Chart:
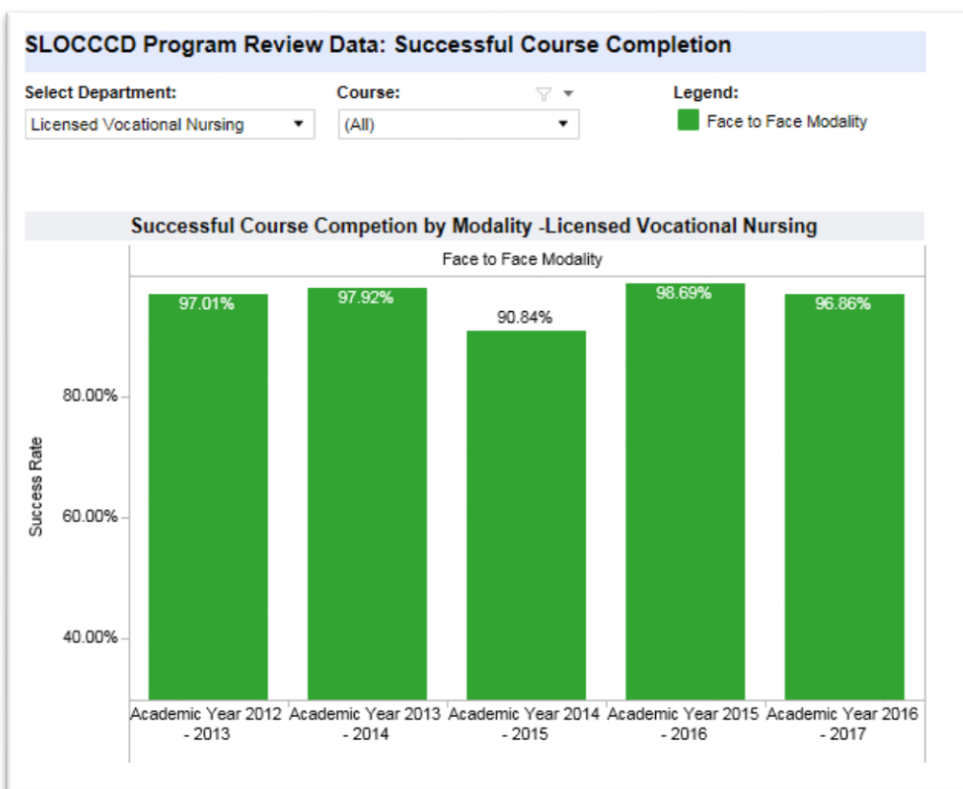
All courses are face to face. The LVN program does not offer distance education courses. The chart at the top of this page reflects the successful completion of all required courses in the three semesters of the LVN program. The LVN Program success rate over the past 5 years has been consistently higher than 90%. Course completion trends are consistent, with minimal change predicted due to the strong desire for students to become nurses, and a dedicated faculty and Success Specialist. We will continue strategies currently employed, pre-class workshops, aggressive referral to faculty and success specialist, Kaplan test-prep program.

5. <u>Degrees and Certificates Awarded Data Chart:</u>
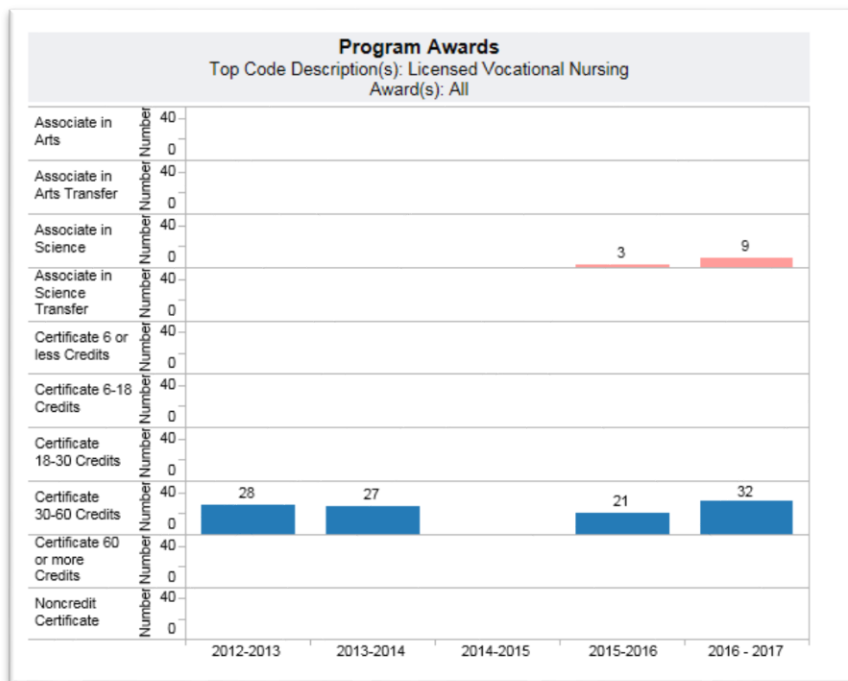
LVN Certificates and Degrees: LVN certificates were awarded to 27 students in both 2013 and 2014; 23 in 2015; 30 in 2016 and 24 in 2017. The LVN Associate Degree in Science was offered for the first time Fall 2016 and 12 degrees have been awarded.

6. <u>General Student Success – Course Completion Aggregated Data Chart:</u>
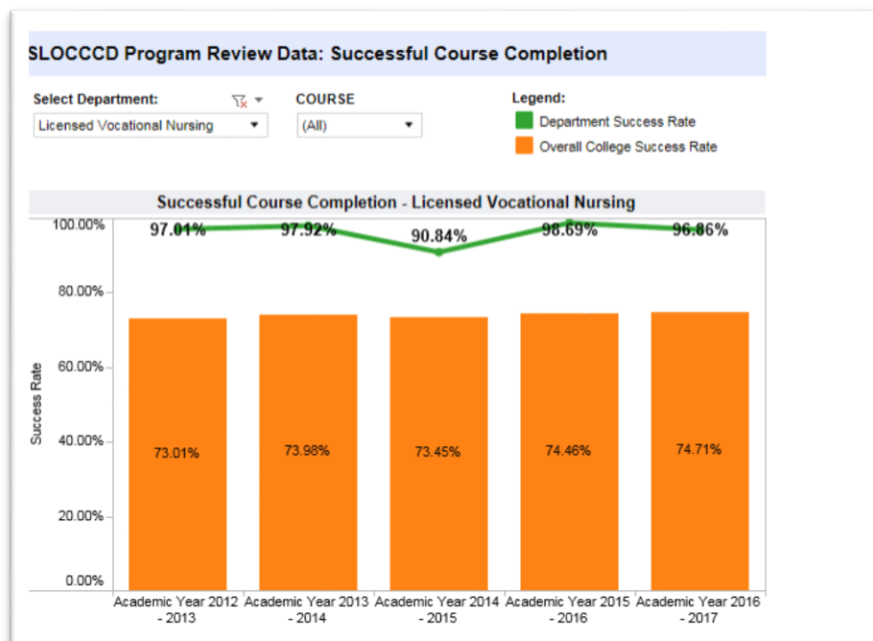
LVN and College Successful Course Completion Percentages: LVN completions are reflected on the green graph line, consistently above the college numbers, which are represented in orange.

Disaggregated Student Success Data Charts:

Successful Course Completion by Student Subpopulation

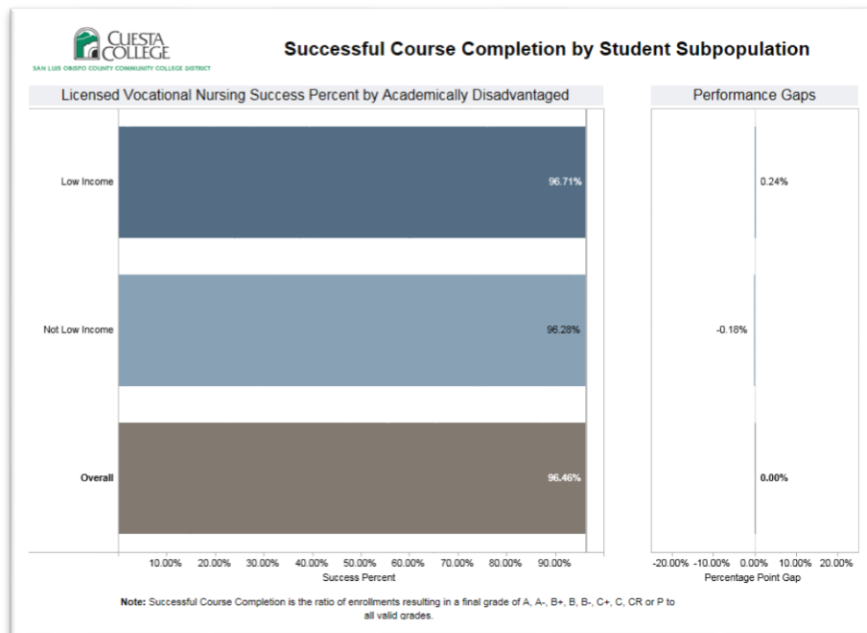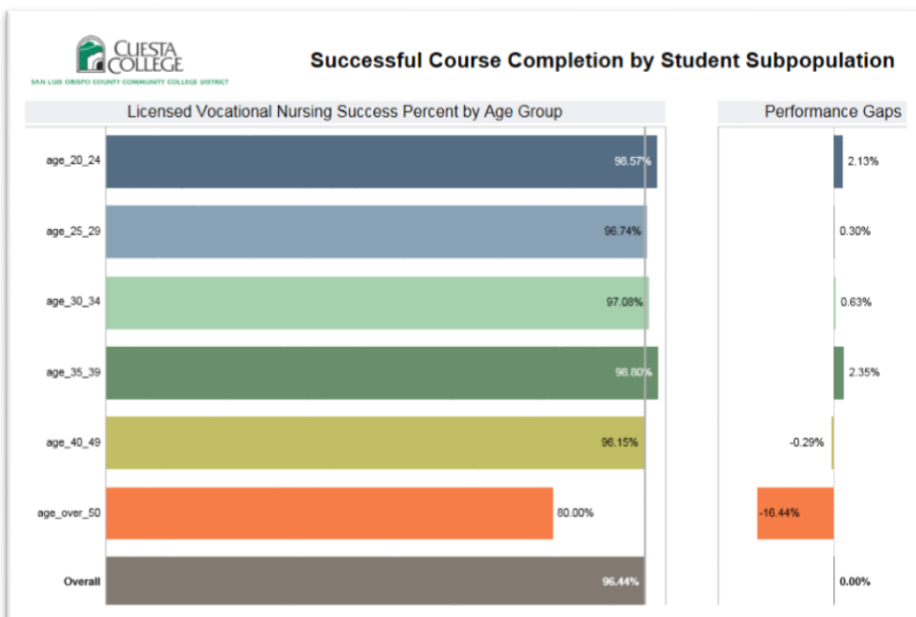| Licensed Vocational Nursing Success Percent by Academically Disadvantaged		Performance Gaps
Low Income	96.71%	0.24%
Not Low Income	96.28%	-0.18%
Overall	96.46%	0.00%

Note: Successful Course Completion is the ratio of enrollments resulting in a final grade of A, A-, B+, B, B-, C+, C, CR or P to all valid grades.

Advantaged and Disadvantaged Successful Completion Percentages: The above graph demonstrates the successful completion percentage of required courses in the LVN program by academically disadvantaged subpopulation from 2013- 2017. Overall completion is 96.7% for low income students, 96.3% for non-low income, and 96.5% overall.

Successful Course Completion by Student Subpopulation

Licensed Vocational Nursing Success Percent by Age Group		Performance Gaps
age_20_24	96.57%	2.13%
age_25_29	96.74%	0.30%
age_30_34	97.08%	0.63%
age_35_39	96.80%	2.35%
age_40_49	96.15%	-0.29%
age_over_50	80.00%	-16.44%
Overall	96.44%	0.00%

Age Subpopulation Successful Completion Percentages: The above data chart represents course completion percentages from 2013 – 2017 in the LVN program by age. Completion percentages for students age 20 – 49 are over 90%. Students over 50 have an 80% completion percentage.
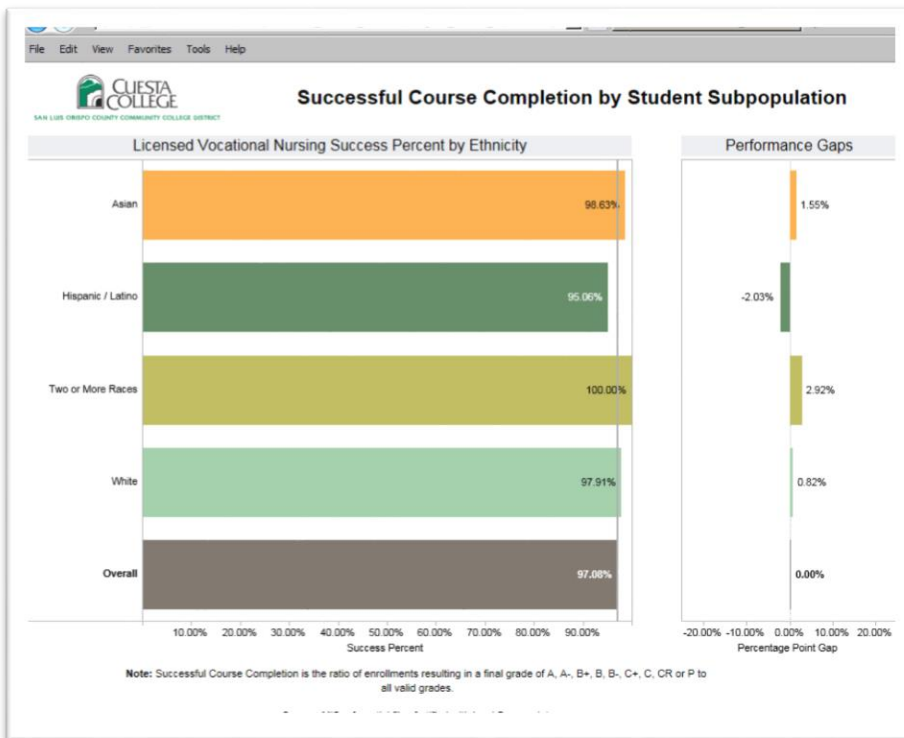
Ethnicity Course Completion Percentages: The above data chart reveals successful program completion rates by ethnicity. All ethnic subpopulations have a completion rate over 90% except Hispanic/Latino.

PROGRAM OUTCOMES ASSESSMENT CHECKLIST AND NARRATIVE CHECKLIST:

- ☒ SLO assessment cycle calendar is up to date.
- ☒ All courses scheduled for assessment have been assessed in eLumen.
- ☐ Program Sustainability Plan progress report completed (if applicable).

OTHER RELEVANT PROGRAM DATA

1st time NCLEX-PN licensure pass rates are as follows:

Class Year	Cuesta pass rates per class	CA Pass Rate	National Pass Rates (NCSBN)
2012	96% (BVNPT website 84%)		84.23%
2013	96% (BVNPT website 92%)		84.63%
2014	96% (BVNPT website 96%)		82%
2015	91% (BVNPT website 90%)	69%	81%
2016	70% (BVNPT website 67%)	72.30%	83.73%
2017	95% with 6 still to test	71%	83.84%

The 1st time NCLEX pass rate has been above 90% since 2012, except for the class completing in 2016. BVNPT website data is per calendar year, Faculty have analyzed program and curricular

San Luis Obispo County Community College District
Instructional Annual Program Planning Worksheet
Approved by Academic Senate 2017-04-28 Document to be Used for Submission Spring 2018

8

variables, and have found no tangible reason for this one time dramatic dip. The most recent completed class of 2017 shows a pass rate of 18/19 so far for 95% pass rate with six students still to sit for licensure exam. Cuesta 2017 NCLEX-PN pass rates exceed those of both the state of California and the National Pass Rate average currently.

NARRATIVE:

Briefly describe program changes, if any, which have been implemented in the previous year as a direct result of the Program or Student Services Learning Outcomes Assessment. *If no program changes have been made as results of Program or Student Services Learning Outcomes Assessment, indicate: NONE.*

- Implemented math tutors and increased medical math testing within the program due to increased student issues.
- Recommended increased math prerequisite for LVN program to better prepare students for medication administration in the patient care setting.
- Implementing more nursing care plan writing in the nursing lecture and skills lab, to facilitate improvement of these required documents in clinical and on NCLEX exam.
- Added a Teaching Assistant (TA) in the skills lab for more individualized student learning opportunities and application of theory into clinical patient care practice.
- Faculty are requesting an additional simulation manikin to allow for multiple patient care scenarios to improve prioritization and time management skills.

PROGRAM PLANNING / FORECASTING FOR THE NEXT ACADEMIC YEAR

A. Budget requests that are related to SLOs have been included in the 2018-2019 Resource Plan.
- Professional development for faculty to remain current in BVNPT required content areas of geriatrics, maternal child health, psychiatric health, fundamentals and medical-surgical nursing.
- Obtain funding to continue Simulation experiences.
- Simulation Lab expansion to include multiple patients to increase scenarios on time management and prioritization skills. Other simulations that will be continued or emphasized more include medication administration, assessment techniques, psychiatric nursing communication and assessment.
- Update equipment to meet what is utilized in the clinical patient care environment and replacement of equipment that is consistently worn and used during the year.
- Continued purchase of National Council of State Boards of Nursing (NCSBN) Program Report data to assist in measuring student performance on their licensure exam (NCLEX) in specific areas of learning to assist in program review each year.
- Update content specific instructional media as noted in the resource plan.

San Luis Obispo County Community College District
Instructional Annual Program Planning Worksheet
Approved by Academic Senate 2017-04-28 Document to be Used for Submission Spring 2018

9

B.   The job market in SLO County and nationally has diversified for the LVN. Any future curriculum change must look at increasing the students' clinical experiences to include forensics, school nursing, home health, and medical office practices.

C.   Levels or delivery of support services
The nursing program will continue to collaborate with the following college departments to best serve the nursing students as they prepare to apply for the program, complete nursing courses within the program, successfully apply and pass their licensure examination and obtain timely employment in the field.
   − Admissions and Records
   − Counseling
   − Research
   − Assessment
   − Fiscal Analyst

D.   Facilities changes
   − Additional high fidelity manikin to allow for multiple patient care scenarios.
   − Additional classroom space. N2407 is truly not large enough room to accommodate the level of activity and work necessary to prepare nursing 30 students for 8 hour lecture days.   Increased table/desk surface is needed for students to work and access their text books, lap tops, safely stow supplies and books they bring into the lab each classroom day.
   − A dedicated skills lab is needed that can accommodate 30 students with the BVNPT mandated 5 patient bays to practice nursing skills with large equipment and skills practice supplies.

E.   Staffing projections
   − A simulation coordinator is needed.
   − Secretary III support increased to 100% to serve LVN and other allied health programs on the NCC.

F.   Strategies for responding to the predicted budget and FTES target for the next academic year
   − Continue to evaluate community need to determine the best number of students to admit annually into the LVN program.
   − Work closely with the foundation to maintain community partnerships.

San Luis Obispo County Community College District
Instructional Annual Program Planning Worksheet
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10