

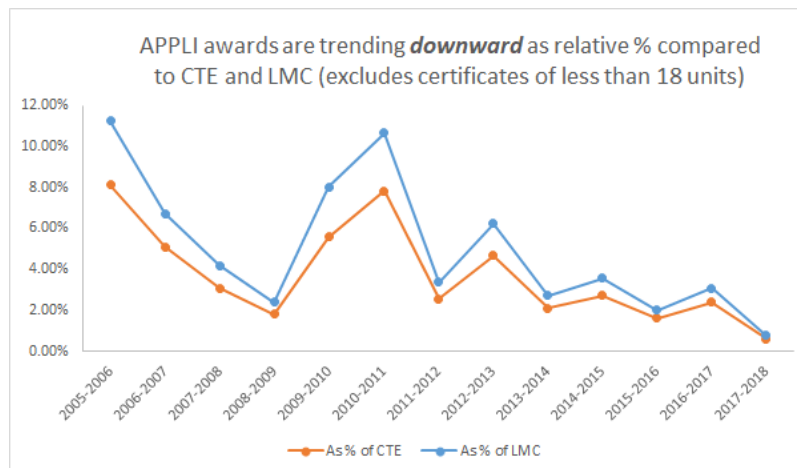
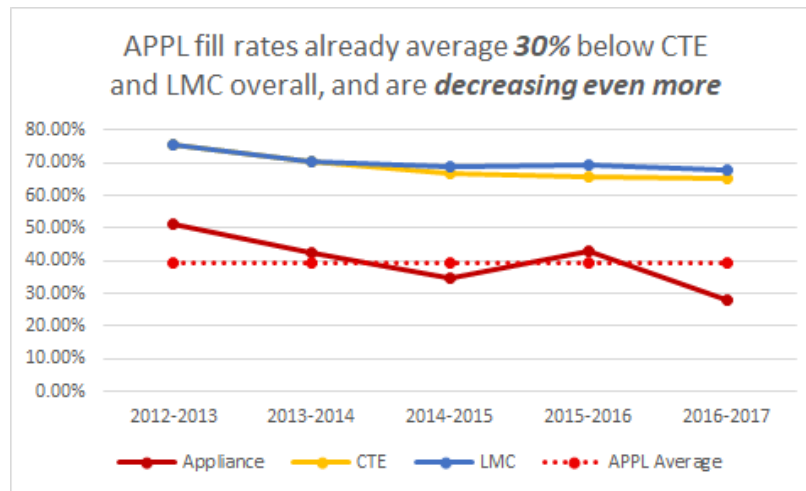
Rationale for Revitalization/Discontinuance of Appliance Technology

a. What is the student demand for the program, considering recent and current enrollment?

There are 40 spaces available for each course each semester. The demand for the program seems to have dwindled over the past few years. Four sections of the courses (16 classes total) were cancelled prior to the Fall 2018 start date due to low enrollment. Current enrollments as of 09/24/2018:

- APPLI-016 = 19 students
- APPLI-021 = 3 students
- APPLI-031 = 8 students
- APPLI-037 = 2 students
- APPLI-038 = 4 students
- APPLI-024 = 27 students
- APPLI-021 = 14 students
- APPLI-031 = 1 student
- APPLI-037 = 4 students
- APPLI-038 = 1 student

b. What are the retention, persistence, and completion rates for the program?



Historically, the program has experienced attrition from the beginning to the end of the semester.

c. What is the long-term viability of the program?

It appears that with Labor Market waning and student enrollments declining, that the program is not viable. Compared with other programs such as HVAC and commercial refrigeration, the enrollments, jobs and wages for this program do not compare.

d. What is the workplace demand for the graduates of this program?

Labor market data and industry trend does not look favorable for this program. Data collected using department of labor resources (O*net) and other local/regional data sets (EMSI data analytics) shows a decline for this field that is projected through 2026. The downward trend of labor market need, the sun setting of the state-level organization that certifies programs, and recent articles related to the industry all indicate an industry/discipline that is declining. This table indicates labor market demand over the past four years.

| Year | Percentage of Change | Timeframe |
|------|----------------------|-----------|
| 2015 | -8.3% | 2013-2020 |
| 2016 | -10% | 2016-2020 |
| 2017 | -6% | 2016-2020 |
| 2018 | -6% | 2016-2020 |

This data show local trends (Alameda, Contra Costs and Solano counties), but it also mirrors nation trends in that the industry is declining.

e. Is the program offered at any nearby colleges?

No, LMC has been the only California Community College offering the program in Northern California since 2008. Hacienda La Puente Adult Education offers an 11-month program in Southern California.

f. What effort has already been made to support the program?

Faculty replacement of a 42 year veteran of the program occurred in fall 2016. The retiring faculty remained available/accessible through the transition and continues to teach part-time as a substitute when needed. In 2016, the Dean and Department Chair began working with the new faculty to examine the curriculum and revise the curriculum because course enrollments were low. The Workforce Development unit provided support by providing labor market information/data, and support for forming an effective advisory committee. Faculty from neighboring DVC were brought in to assist/advise the program, as well as the Deputy Sector Navigator (regional resource) from the Bay Area Community College Consortium. Lastly, the program has been supported through professional development and conference attendance at assist the faculty in making a relevant program.

Cost Analysis:

| | 2013-14 | 2014-15 | 2015-16 | 2016-17 | 2017-18 |
|---------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| Revenue | | | | | |
| FTES | 317,046 (59.820 FTES) | 262,774 (49.580 FTES) | 266,007 (50.190 FTES) | 202,142 (38.14 FTES) | 147,340 (27.80 FTES) |
| Expense | | | | | |
| Salary & Benefits | 166,179 | 178,108 | 258,746 | 116,888 | 121,910 |
| Operating Budget (Actual) | 15,239.46 | 17,482.97 | 11,696.02 | 8,977.56 | 12,103.85 |
| | 135,627.54 | 67,183.03 | <4,435.02> | 76,276.44 | 13,326.15 |

g. What effect has this program had on college diversity efforts?

The Appliance Technology program has fully supported the college diversity efforts from its inception. Len and Debbie have created a learning environment open to all students and made accommodations to ensure student success as an Appliance Technician.

h. How would the elimination of this program affect the ability of the college to fulfill its mission?

“Elimination” can be a harsh word. Our positive thoughts in this situation is that the college will be able to further fulfill its mission because the funding can go to support more students in other campus programs.

i. How would the elimination of this program affect students maintaining continuous enrollment in the program?

Fall and Spring semester courses will be offered for students to complete certificates and degrees by May 2020.