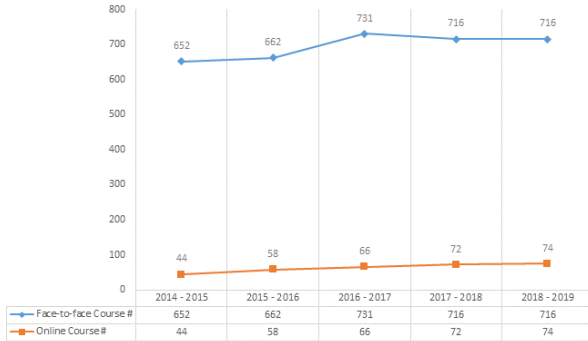


**From:** [Hays, Joseph](#)  
**To:** [Chown, Paul](#)  
**Subject:** RE: success scorecard  
**Date:** Friday, December 6, 2019 8:42:18 AM  
**Attachments:** [image001.png](#)  
[image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image007.png](#)  
[image008.png](#)  
[image009.png](#)

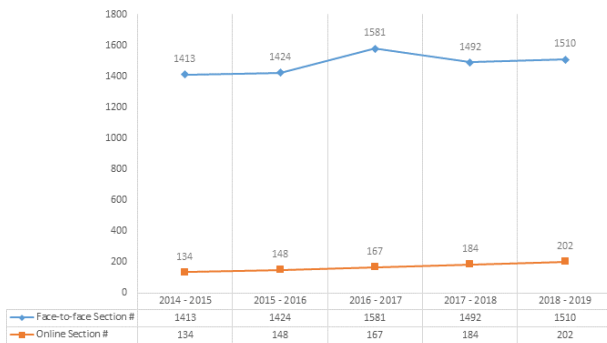
Good morning,

Credit course counts and section counts are shown in the charts below. Online and face-to-face courses are grouped by their section location. Two more VC courses and 18 more VC sections were offered in 2018-19 than were offered in 2017-18.

**CREDIT COURSE COUNT BY ACADEMIC YEAR  
(LEADING SUMMER)**



**CREDIT SECTION COUNT BY ACADEMIC YEAR  
(LEADING SUMMER)**



The credit VC courses offered in 2018-19 that were not offered in 2017-18 are the following:

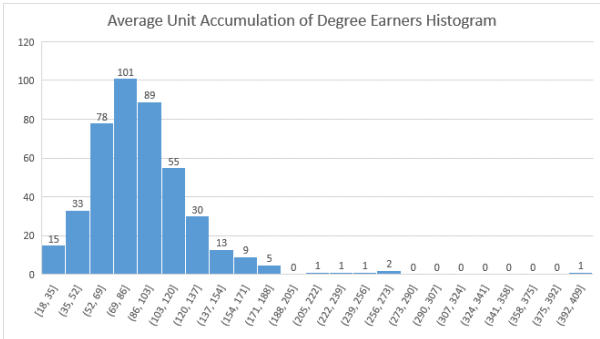
| Course  |
|---------|
| AJ-4    |
| ART-6   |
| ECE-14  |
| ENGL-18 |
| ENGL-1B |
| LIBR-5  |
| PSYCH-2 |

**From:** Chown, Paul <[Paul-Chown@Redwoods.edu](mailto:Paul-Chown@Redwoods.edu)>  
**Sent:** Thursday, December 5, 2019 2:12 PM  
**To:** Hays, Joseph <[Joseph-Hays@Redwoods.edu](mailto:Joseph-Hays@Redwoods.edu)>  
**Subject:** RE: success scorecard

Excellent. This is very helpful.

**From:** Hays, Joseph <[Joseph-Hays@Redwoods.edu](mailto:Joseph-Hays@Redwoods.edu)>  
**Sent:** Thursday, December 5, 2019 2:00 PM  
**To:** Chown, Paul <[Paul-Chown@Redwoods.edu](mailto:Paul-Chown@Redwoods.edu)>  
**Subject:** RE: success scorecard

The first sheet in the attached shows every degree and certificate awarded to the six students in the long right-hand tail of the below histogram. It also shows their first and latest enrolled terms.



**From:** Hays, Joseph  
**Sent:** Tuesday, December 3, 2019 4:19 PM  
**To:** Chown, Paul <Paul.Chown@Redwoods.edu>  
**Subject:** RE: success scorecard

Hi Paul,

The updated scorecard is published. This email is long-winded, but I want to note the changes and methodologies used for the estimates in case we need to reference them later.

**Changes:**

- I removed the "Local Institution Approved Certificates" row from view, but made a note of those values in the mouse-over tooltip of the "All Certificates" row. The tooltip note for 2014-15 is outlined green in the picture below:

|                                   |  | 2014 - 2015 | 2015 - 2016 | 2016 - 2017 | 2017 - 2018 | 2018 - 2019 | Institution Sat Standard | Target |
|-----------------------------------|--|-------------|-------------|-------------|-------------|-------------|--------------------------|--------|
| <b>Fail-to-Spring Persistence</b> | Overall Fail-to-Spring Persistence             | 65%         | 62%         | 63%         | 65%         | 65%         | 57%                      | 70%    |
| <b>Course Retention</b>           | Overall Course Retention                       | 87%         | 88%         | 88%         | 88%         | 89%         | 79%                      | 97%    |
| <b>Course Success</b>             | Overall Course Success                         | 71%         | 74%         | 73%         | 73%         | 75%         | 65%                      | 79%    |
|                                   | Basic Skills Course Success                    | 63%         | 63%         | 64%         | 59%         | 59%         | 55%                      | 67%    |
|                                   | Online Course Success                          | 65%         | 71%         | 70%         | 71%         | 70%         | 61%                      | 75%    |
| <b>Degree Completion</b>          | All Degrees (ADTs + AA/AS)                     | 368         | 350         | 415         | 427         | 443         | 344                      | 421    |
|                                   | Transfer Degrees (ADT)                         | 0           | 2           | 59          | 72          | 75          | 65                       | 79     |
|                                   | Associate Degrees (AA/AS)                      | 368         | 348         | 356         | 355         | 368         | 320                      | 392    |
| <b>Certificate Completion</b>     | All Certificates                               | 200         | 216         | 173         | 149         | 158         | 160                      | 196    |
|                                   | Chancellor's Office (CO) Approved Certificates |             |             |             |             |             |                          |        |
|                                   | CO approved requiring 16 or more units         |             |             |             |             |             |                          |        |
|                                   | CO approved requiring fewer than 16 units      |             |             |             |             |             |                          |        |
| <b>Transfers</b>                  | All Transfers                                  |             |             |             |             |             |                          |        |
|                                   | Transferred to a CSU or UC Institution         |             |             |             |             |             |                          |        |
|                                   | Transferred to a Private College In-State      |             |             |             |             |             |                          |        |

All Certificates 2014 - 2015  
 Description: Among all students, the number who earned a certificate in the selected year and had an enrollment in the selected or previous year. Value includes 33 local institution approved certificates (not shown).  
 Source: Institutional Research; California Community Colleges Chancellor's Office Management Information Systems data, Student Success Metrics data element dictionary methodology for SM 603SW.

- I added row numbers to the mouse-over tooltip in the "Job Closely Related to Field of Study" row where estimates have been made:

|                                  |   |     |     |     |     |     |     |     |
|----------------------------------|---|-----|-----|-----|-----|-----|-----|-----|
|                                  | Transferred to any Out of State Institution | 195 | 149 | 96  | 107 |     |     |     |
| <b>Average Unit Accumulation</b> | Average Unit Accumulation of Degree Earners | 91  | 89  | 86  | 85  | 87  |     |     |
| <b>Employment</b>                | Job Closely Related to Field of Study       | 69% | 77% | 88% | 78% | 88% | 66% | 80% |

Job Closely Related to Field of Study 2018 - 2019  
 Description: The percent of job-program similarity respondents who answered "close" or "very close": 61 out of 69 respondents.  
 Source: Santa Rosa Junior College CTEOS Survey: https://cteos.santarosa.edu/job-program-similarity

**Estimates:**

All cells with currently estimated values are outlined in green below:

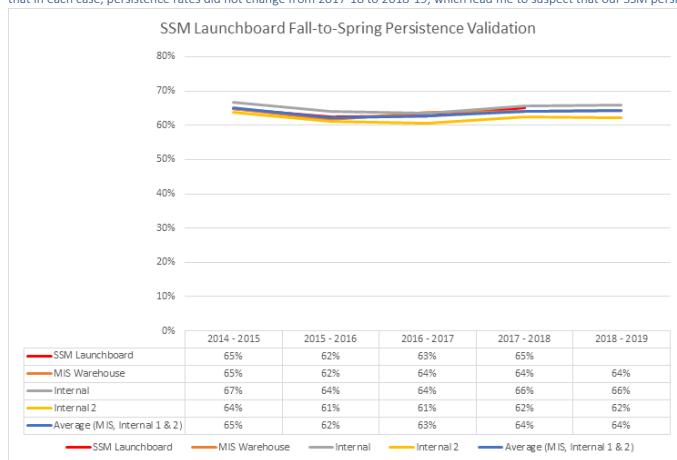
**Student Success** We put students first, ensuring that student learning and advancement are pivotal to all we do.

IR Estimate

|                                   |  | 2014 - 2015 | 2015 - 2016 | 2016 - 2017 | 2017 - 2018 | 2018 - 2019 | Institution Set Standard | Target |
|-----------------------------------|--|-------------|-------------|-------------|-------------|-------------|--------------------------|--------|
| <b>Fall-to-Spring Persistence</b> | Overall Fall-to-Spring Persistence             | 65%         | 62%         | 63%         | 65%         | 65%         | 57%                      | 70%    |
| <b>Course Retention</b>           | Overall Course Retention                       | 87%         | 88%         | 88%         | 88%         | 89%         | 79%                      | 97%    |
| <b>Course Success</b>             | Overall Course Success                         | 71%         | 74%         | 73%         | 73%         | 75%         | 65%                      | 79%    |
|                                   | Basic Skills Course Success                    | 63%         | 63%         | 64%         | 59%         | 59%         | 55%                      | 67%    |
|                                   | Online Course Success                          | 65%         | 71%         | 70%         | 71%         | 70%         | 61%                      | 75%    |
| <b>Degree Completion</b>          | All Degrees (ADTs + AA/AS)                     | 368         | 350         | 415         | 427         | 443         | 344                      | 421    |
|                                   | Transfer Degrees (ADT)                         | 0           | 2           | 59          | 72          | 75          | 65                       | 79     |
|                                   | Associate Degrees (AA/AS)                      | 368         | 348         | 356         | 355         | 368         | 320                      | 392    |
| <b>Certificate Completion</b>     | All Certificates                               | 200         | 216         | 173         | 149         | 158         | 160                      | 196    |
|                                   | Chancellor's Office (CO) Approved Certificates | 166         | 158         | 144         | 149         | 158         | 136                      | 166    |
|                                   | CO approved requiring 16 or more units         | 166         | 158         | 142         | 110         | 131         |                          |        |
|                                   | CO approved requiring fewer than 16 units      | 0           | 0           | 2           | 39          | 27          |                          |        |
| <b>Transfers</b>                  | All Transfers                                  | 552         | 460         | 491         | 506         |             | 451                      | 551    |
|                                   | Transferred to a CSU or UC Institution         | 340         | 311         | 373         | 371         |             | 307                      | 375    |
|                                   | Transferred to a Private College In-State      | 17          |             | 22          | 28          |             |                          |        |
|                                   | Transferred to any Out of State Institution    | 195         | 149         | 96          | 107         |             |                          |        |
| <b>Average Unit Accumulation</b>  | Average Unit Accumulation of Degree Earners    | 91          | 89          | 86          | 85          | 87          |                          |        |
| <b>Employment</b>                 | Job Closely Related to Field of Study          | 69%         | 77%         | 88%         | 78%         | 88%         | 66%                      | 80%    |

### Fall-to-Spring Persistence:

I made this estimate in July by emulating the SSM's methodology using our MIS warehouse and internal data. I made three different queries (one with our MIS warehouse and two with our Kourier warehouse) and noticed that in each case, persistence rates did not change from 2017-18 to 2018-19, which lead me to suspect that our SSM persistence values will not change either:



### Degree & Certificate Completions:

The SSM launchboard supposedly counts all students who earn an award in a given year as long as that student enrolled in the awarded year or the previous year. While attempting to match the SSM's values, I categorized two groups of students:

1. "On-time petitions": Students who enrolled in a given year and were awarded a degree or certificate in that same year.
2. "Late petitions": Students who enrolled in the year prior to their awarded year, but who did not enroll during their awarded year.

It gets strange here. We can produce an exact match of the SSM's values for 2016-17 only by including 2017-18's late petition students among 2016-17 on-time petitions. And we can produce an exact match for the SSM's 2017-18 values by only counting on-time petitions. **The current estimates for 2018-19 include only on-time petitions.** I have to wonder if we'll see the 2017-18 values on the SSM update to accommodate 2018-19's late petitions after the 2018-19 values are posted.

The table below shows values from our MIS warehouse with the two petition categories disaggregated:

| Award (group) | Award Certificate Sorting                 | Awarded Year / Late Petition |                  |               |                  |               |                  |
|---------------|---|------------------------------|------------------|---------------|------------------|---------------|------------------|
|               |   | 2016 - 2017                  |                  | 2017 - 2018   |                  | 2018 - 2019   |                  |
|               |   | Late Petition                | On-time Petition | Late Petition | On-time Petition | Late Petition | On-time Petition |
| ADT           | Degree                                    | 2                            | 56               | 3             | 72               | 3             | 75               |
| AA/AS         | Degree                                    | 17                           | 333              | 23            | 355              | 17            | 368              |
| Certificate   | CO approved requiring 16 or more units    | 31                           | 139              | 4             | 110              | 24            | 131              |
|               | CO approved requiring fewer than 16 units |                              |                  | 2             | 39               |               | 27               |

An exact match of the SSM launchboard's 2016-17 values can be made by including 2017-18's late petition students among 2016-17 on-time petitions.

An exact match of the SSM launchboard's 2017-18 values can be made by including only 2017-18's on-time petitions.

Current 2018-19 in-house estimates only include on-time petitions.

**Question: When official 2018-19 values are posted in the coming months, will 2017-18's values be updated to include 2018-19's late petitions?**

**Transfers:**

Estimates here were made simply by assuming the SSM's values will change from 2016-17 to 2017-18 by the same percentage as the sources' values you reference in your email below. For example, Data Mart's in-state private 2017-18 value is 125% of 2016-17's value, so the scorecard's 2017-18 estimate is 28 transfers: 125% of the SSM's 2016-17 value of 22.

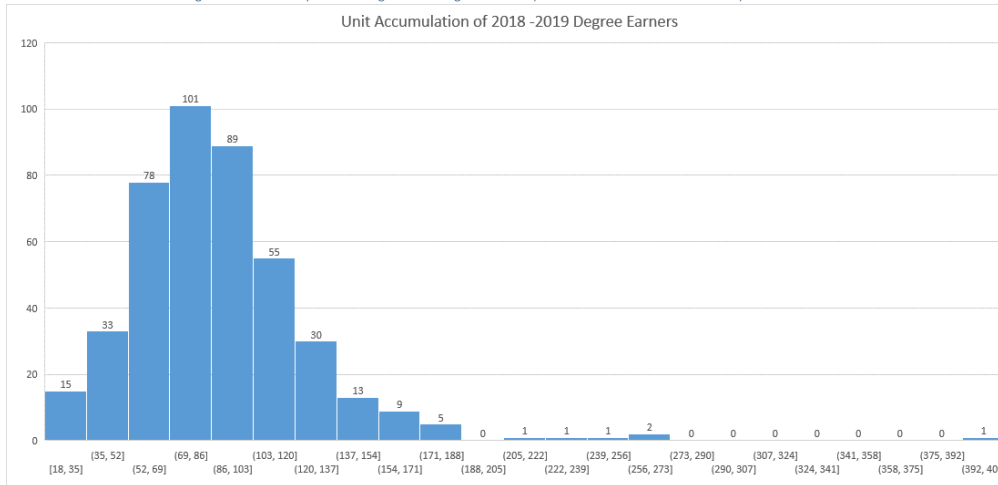
**Average Unit Accumulation:**

Here I ran some in-house averages to compare against the SSM values. In-house values between 2014-15 and 2017-18 are, on average, 1.5 units higher than the SSM's, so I rounded to 2 and subtracted that from our in-house 2018-19 value of 89 to produce a scorecard estimate of 87.

Avg. Unit Accumulation of Degree Earners

| Year        | Our Average | SSM Average | Difference |
|-------------|-------------|-------------|------------|
| 2014 - 2015 | 93          | 91          | 2          |
| 2015 - 2016 | 92          | 89          | 3          |
| 2016 - 2017 | 88          | 86          | 2          |
| 2017 - 2018 | 84          | 85          | -1         |
| 2018 - 2019 | 89          | 87          | 2          |

I also took a look at the outliers you mentioned. There are six-or-so students with a large amount of credits who skew our average a few credits higher. A histogram is below. Notice the most frequented bin is the 69-to-86 units bin with 101 students. The high-unit outliers compose that long tail on the right-hand side (one student earned almost 400 units):



The overall average comes out to 89 units, as shown in the comparison table above the histogram. If we exclude those six students who compose the long tail starting with 205 units, our average is reduced to 87 units (coincidentally the same value I estimated on the scorecard).

**Job Closely Related to Field of Study:**

I used the [CTEOS survey job-program similarity results](#) to make these estimates. The SSM uses the same question results for their values, but they remove any students who transferred or who did not exit the community college system. The number of respondents to this question varies from 60-something to 90-something, so I won't be surprised to see a lot of variation in the official SSM percentages from year to year.

I think that covers everything. I'm absolutely happy to make more changes, undo changes, or make estimate methodology revisions – whatever you need to get this to where it's most useful. I probably didn't outline everything with crystal clarity, so please let me know if you have any questions.

Thanks,  
Joe

**From:** Chown, Paul <Paul.Chown@Redwoods.edu>  
**Sent:** Tuesday, November 19, 2019 3:22 PM  
**To:** Hays, Joseph <joseph.hays@Redwoods.edu>  
**Subject:** success scorecard

Some thoughts:  
 Retention, Success, Degree Completion - all look good and positive  
 Certificate completion – we might want to remove the local certs because Tatiana often doesn't enter them

Transfers: Even though we don't have the state's formula, we can estimate that the 17-18 numbers are roughly equal to the 16-17 numbers  
 2016-17 2017-18  
 CSU – 218 218 (<http://asd.calstate.edu/ccct/2017-2018/SummaryYear.asp>)

|      |    |  |
|------|----|--|
| UC – | 16 | 15 ( <a href="https://www.universityofcalifornia.edu/infocenter/transfers-major">https://www.universityofcalifornia.edu/infocenter/transfers-major</a> ) |
| ISP  | 12 | 15 ( <a href="https://datamart.cccco.edu/Outcomes/Student_Transfer_Volume.aspx">https://datamart.cccco.edu/Outcomes/Student_Transfer_Volume.aspx</a> )   |
| OOS  | 76 | 85 ( <a href="https://datamart.cccco.edu/Outcomes/Student_Transfer_Volume.aspx">https://datamart.cccco.edu/Outcomes/Student_Transfer_Volume.aspx</a> )   |

Average Unit Accumulation: I think I did some of my own estimates in summer and it appeared there were 2 or 3 extremely high numbers that were impacting this rise. Do your numbers suggest that as well?

Employment numbers are phenomenal! Do we have a sense of number of responders, % of responders, and compared to last year?