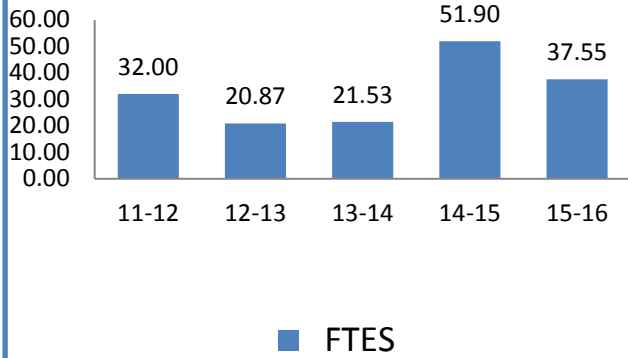


## COMPUTER SCIENCE — 2015-2016



**Description:**

The Computer Science program provides preparation for students planning to transfer to a four-year institution, experience in computer programming for students enrolled in science or engineering disciplines and academic computer science preparation for students interested in pursuing employment after Valley College

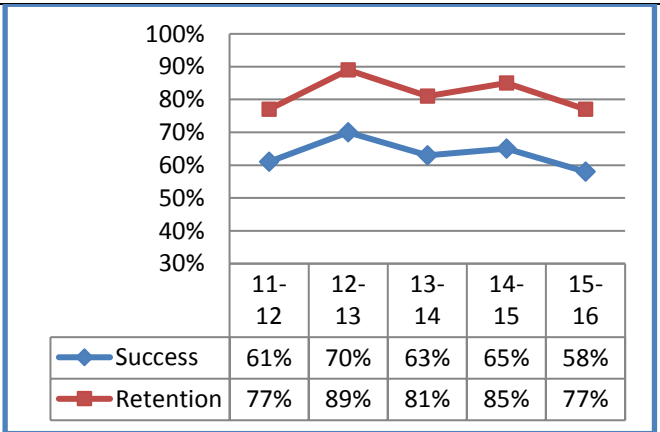
**Assessment:**

The data is difficult to analyze given that 14/15 is an outlier. 14/15 FTEs is more than 12/13 and 13/14 combined. The 15-16 FTEs is lower but still higher than any year except 14-15. It is anticipated that FTEs will remain around the levels of 11/12 and 15/16. Productivity has recovered from a low in 13/14. Student success and retention is trending down. Success is the lowest of any year on the chart and retention is tied for last. Degrees and certificate awards remain elusive. This can be attributed to cancelling courses required for students to complete degrees and certificates due to low enrollment.

	10-11	11-12	12-13	13-14	14-15	15-16
Duplicated Enrollment	185	175	183	191	295	217
FTEF	2.44	2.10	2.38	2.68	3.98	3.02
WSCH per FTEF	417	457	263	241	391	373

**Department Goals:**

1. Increase the number of students who earn a CS degree and certificate
2. Improve student success and retention
3. Offer a certificate aligned with Microsoft Programming certification(s)



**Challenges & Opportunities:**

Challenges

1. Cancellation of classes due to low enrollment
2. High unit courses required for CS AS-T degree (e.g. Physics 201 at SBVC is a 6 unit class whereas in the TMC it is only allowed 3 units)
3. Proliferation of programming languages
4. No game development certificate

Opportunities

1. Virtual Lab
2. Microsoft IT Academy
3. Grants

**Action Plan:**

1. Advocate for offering low-enrolled classes that complete degrees and certificates
2. Work through Academic Senate to address high unit courses offered by other departments
3. Investigate Microsoft IT Academy membership
4. Investigate game development certificate
5. Develop curriculum in web and mobile app development in conjunction with Title 5 funding
6. Explore internship and work experience opportunities
7. Use Strong Workforce funds to develop pathways to Certificate programs from high school to SBVC and CSUSB.

	10-11	11-12	12-13	13-14	14-15	15-16
Sections	9	8	9	9	13	11
% of online enrollment	89%	88%	89%	89%	92%	82%
Degrees awarded*	0	0	0	1	0	
Certificates awarded*	0	0	2	1	0	

TOP Code: 0707XX

Award Source: [http://datamart.ccco.edu/Outcomes/Program\\_Awards.aspx](http://datamart.ccco.edu/Outcomes/Program_Awards.aspx)

\* Data will be available in October 2016

