

# Program Review Comprehensive Report



## Program Review - Instructional: Computer Information Systems & Computer Science

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### Supplemental Reports and Attachments

*2014 - 2017*

Comments or Notes: NCB ENTERED

Attachments:

- [2014-17 CIS C++ PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS COMPUTER AIDED PROD TECH PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS COMPUTER PROGRAMING PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS COMPUTER-NUM\\_CTRL\\_PRGM PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS DESKTOP PUBLISHING PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS GRAPHIC DESIGN PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS JAVA PROGRAMMING PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS MOBILE APPLICATIONS PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CIS SLO DISCIPLINE.pdf](#)
- [2014-17 CSC COMPUTER SCIENCE PLO INSTRUCTIONAL.pdf](#)
- [2014-17 CSC SLO DISCIPLINE.pdf](#)
- [2014 17 CIS CSC CurriculumRPT.pdf](#)
- [2014 17 CIS CSC SuccessEfficiencyRetentionRPT.pdf](#)

**New certificate programs anticipated by your unit in the NEXT 4 years?:** We are in the process of moving Graphic Design to a new discipline Digital Media. It is a better fit for this design program than in the Computer Information Systems discipline.

CIS is part of several programs that will offer dual enrollment with local high schools. The purpose of the dual enrollment patterns is to increase student interest in several of our programs. This folds into the completion initiative with moving students faster through their program of study to completion of a certificate, degree or transfer.

The current CIS and CSC programs are continually reevaluated to determine whether they correctly prepare our students for the careers in computer we currently teach.

**Substantial modifications made to certificates/degrees in the PAST 4 years.:** As a discipline we are constantly in the mode of reviewing and evaluating our curriculum. In spring 2017 college faculty along with RCC and Moreno Valley, reviewed and updated all of the courses in the CIS discipline. Seventeen courses no longer offered and one program was discontinued. This was done in an effort to clean up our catalog and to eliminate confusion for students who take our courses. In spring 2018 we will again look at the offerings and with the help of our advisory committee that meets each spring determine if we need to modify any of our programs.

**Substantial modifications anticipated to certificates/degrees in the NEXT 4 years.:** This will be something that we discuss at our yearly Industry Summit, advisory meeting. Each year, we hold an industry breakfast where we share our programs and goals with local business owners and educators. They, in turn, have been instrumental in providing suggestions on our curriculum and our teaching strategies. In past years, the industry feedback has had significant impact on our offerings. We value our business partners and their expertise.

The move of Graphic Design program means that we will need to cross list the courses in CIS with Digital Media for a while. We will need to create the cross-listed courses in the next year to accommodate existing students and allow for the new students to select the Digital Media course identification.

**Activities in other units that impacted your unit in the PAST 4 years.:** "Increase campus and program awareness of our CIS/CSC offerings." As a department, we know that we want to attract more student into our programs. We need to promote and inform high school and the local community of the programs we offer and to do more advertising on campus.

The Strong Workforce Program grant is being embedded into many programs across our college. The Strong Workforce grant has several components that will impact our unit. With the addition of two major roles, Dean of Community Partnerships &

software changes in the constantly changing field of computers. In 2015 Norco College purchased this for all staff and students.

Dean of Career and Technical position is now fully funded by the college.

Two desktop computers for CIS faculty offices.

Software licenses for Adobe software suite, Camtasia, and and SchoolVue are now provided by our college.

Upgrades to LRC computers funded both by the college general funds and Perkins grant funds.

Lab aides and CAT student support has been funded during the past three years by college general funds and Title V grant funds.

**How did the resources received impact student learning?:** Lynda.com is a wonderful resource and it has improved students' access to industry standard videos on many programs that we teach. Our instructors have used it as a lab component and some as the course materials for their courses.

The Dean of CTE has a positive impact on student learning at Norco College. Kevin Fleming served as a champion for student success. He lead, inspired and facilitated changes both in the college and within our disciplines that allowed us to offer programs that provide opportunities for our students to be competitive in the field of computers.

Faculty computers in CIS is important so that we can stay ahead of the changes in our industry. Student learning is why we continue to train on current and new software.

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Goal Year(s): 2018 - 2021

Start Date: 08/27/2018

How do your goals support the Educational Master Plan?: By working with the local high schools we will be able to encourage these students to continue at Norco to complete programs of study that they began during their high school years. This will increase success and retention. It will increase the amount of units they complete and move them closer to attaining the program award.

This Program Goal Supports the selected EMP Goal(s) and Objective(s): Goal 1 Objective 4: , Goal 1 Objective 5: , Goal 1 Objective 6: , Goal 1 Objective 7: , Goal 1 Objective 8: , Goal 1 Objective 9: , Goal 1 Objective 10: , Goal 2 Objective 1: , Goal 2 Objective 2: , Goal 2 Objective 3: , Goal 2 Objective 4: , Goal 2 Objective 5: , Goal 2 Objective 6: , Goal 3 Objective 1: , Goal 3 Objective 2: , Goal 3 Objective 3: , Goal 3 Objective 4: , Goal 3 Objective 5: , Goal 4 Objective 1: , Goal 4 Objective 2: , Goal 4 Objective 3: , Goal 4 Objective 4:

## Program Goal: CIS: Increase Student Success and Retention

Student retention in CIS is 77% overall compared to 82% for Norco College. Student success in CIS is 68% overall compared to 70% overall for Norco College. The online success rate for CIS is 63% compared to the online success rate of 64% for Norco College. The goal is to improve retention rates to 82% and success rates to 75%. An additional goal is to improve online success rates to 75%.

We plan to improve these rates by providing additional student support in the Open Lab area of STEM and by recreating the vibrant learning community that evolved when the CIS and Game Labs were functioning as Open Labs. Peer to peer mentoring, additional faculty support in the lab, and the implementation of a new asynchronous online delivery mode are some of the methods we will employ to improve the retention and success rates.

Goal Status: In Progress

Goal Year(s): 2018 - 2021

Start Date: 04/20/2018

How do your goals support the Educational Master Plan?: Improving student success and retention is a goal in the Master Plan. Transfer rates will improve as success and retention improve.

This Program Goal Supports the selected EMP Goal(s) and Objective(s): Goal 1 Objective 4:

## Program Goal: Create Graphic Design Discipline