

## **Program Student Learning Outcomes (Fall 2014)**

*Program SLOs for all Sacramento City College (SCC) Degree and Certificate programs can be found in the [SCC Catalog](#). The results of assessment are reported in departmental Program Reviews (<http://www.scc.losrios.edu/instructionalservices/program-review>). The information below summarizes the achievement of Program SLOs for SCC Degree and Certificate programs from recent Program Reviews. The summaries below are an excerpt from the [2014 Student Learning Outcomes Report](#).*

### **Advanced Technology**

#### **Cosmetology (A.S. Degree and Certificate)**

Student achievements are rated from moderate to high, regarding knowledge and skills demonstrated in course final practical exam in the advanced semester of the cosmetology program. Overall students tested high in knowledge and in demonstrating techniques and procedures in hair, skin, and nails techniques and procedures that are used at entry level positions in the salon workplace. State Board examination preparation for the written and practical exam for licensing is the focus of the last semester of the three-semester cosmetology program. Students are well versed in all aspects of both the written and practical exam for licensure by the time they have completed the required 1600 hours of training.

#### **Art and Science of Nail Technology (Certificate)**

State Board examination preparation for the written and practical exam for licensing in manicuring is the focus at the end of the one semester nail technology program. Students are well versed in all aspects of both the written and practical exam for licensure. Students are able to demonstrate skills learned in client consultation/analysis, client interaction, health and safety, and the evaluation of products that are required to maintain a position in a salon that meets current industry standards. Students are able to demonstrate skills that meet industry standards and client need.

### **Behavioral & Social Sciences**

#### **Administration of Justice (A.S. and AS-T Degrees)**

Assessments of students in the Administration of Justice program demonstrate moderate to high achievement of all program learning outcomes. Essay and report writing skills and case law analysis have been identified as areas that challenge students in some classes. Further evaluation of a student survey identifies that although students have identified career opportunities in the field of criminal justice, many have not yet submitted their applications for employment consideration.

### **Correctional Services (A.S. Degree)**

Assessments of students in the Administration of Justice program demonstrate moderate to high achievement of all program learning outcomes. Essay and report writing skills and case law analysis have been identified as areas that challenge students in some classes. Further evaluation of a student survey identifies that although students have identified career opportunities in the field of correctional services, many have not yet submitted their applications for employment consideration.

### **Police Services (A.S. Degree)**

Assessments of students in the Administration of Justice program demonstrate moderate to high achievement of all program learning outcomes. Essay and report writing skills and case law analysis have been identified as areas that challenge students in some classes. Further evaluation of a student survey identifies that although students have identified career opportunities in the field of police services, many have not yet submitted their applications for employment consideration.

### **Anthropology (A.A. and AA-T Degrees)**

Assessments of students in the Anthropology programs demonstrate moderate to high achievement of all program learning outcomes. Essay writing skills and use of the scientific method have been identified as areas that students find challenging in some classes.

### **Psychology (A.A. and AA-T Degrees)**

Program assessments reveal high achievement for three Program Learning Outcomes. First, students demonstrate strong abilities in the integration of knowledge and skills toward the completion of assignments and examinations which necessitate higher-level cognitive skills, including critical thinking. These skills often underlie students' successful performance in other courses so we are pleased to have the opportunity to further enhance and build upon them through the application of psychological theory in our instruction. Further, students exhibit robust capabilities in generating reasonable conclusions following the analysis of data in addition to demonstrating the application of these conclusions to broad areas of their lives. This consequence provides benefits to students long after course completion when they can reflect back on data-driven psychological knowledge that has applications to both their home and work lives. The service learning project opportunities that were incorporated into two different courses provided an avenue for students to further apply newly-acquired psychological principles for personal growth, often in compelling ways.

Both program evaluations reveal that students attain moderate to high levels of achievement across the remaining Program Learning Outcomes. Analysis reveals that students exemplify adequate or higher skill levels in differentiating between scientifically derived knowledge and myth and conjecture relating to topics pertinent to psychology. This positive outcome proves invaluable within our field as it is too often that psychological facts are confused with or clouded by hearsay. We are pleased that our students possess an understanding of the differences.

Additionally, students exhibited moderate levels of proficiency regarding knowledge of basic terminology across several subtopics of psychology and are also able to express this clearly in both written and spoken communication.

### **Sociology (A.A. and AA-T Degrees)**

Overall Rating of Success: Moderate to High for all Program SLOs. Students showed strength in applying the sociological perspective on human behavior. Mastery of these theoretical orientations was identified of an area that students find challenging.

### **Business & Computer Information Science**

#### **Advanced CISCO Networking (Certificate)**

Overall rating of success: Moderate. Over 90% of students taking CISN 350, CISN 352, and CISN 353 scored 70% or better on all case study projects and final exams; over 92% of students taking CISN 343 scored 70% or better on all case study projects and final exams; and, over 94% of students taking CISN 351, CISN 336, and CISN 342 scored 70% or better on all case study projects and final exams.

#### **Computer Science (A.S. Degree and Certificate)**

Overall Rating of Success: Moderate to High. CISP 452 is suspended. The majority of students taking CISN 303, CISC 310, CISC 324, CISS 300, CISS 301, and CISW 320 and CISN 304 scored satisfactory on lab assignments, quizzes and exams; in CISP 301, CISC 323, CISA 323, CISP 350, CISP 370, CISP 440, and CISS 310, over 70% scored satisfactory in case study projects, lab assignments, programming assignments and exams. For CISP 360, CISP 401, CISP 430, CISC 351, CISC 355, CISP 401, and CISW 410, 80% or better were successful in the course. Students taking CISA 324, CISP 310, CISP 400, CISP 457 and CISW 325 scored 92% or better on 90% or better of assignments, projects, quizzes, and exams.

#### **Information Processing (A.S. Degree)**

Overall Rating of Success: High. See Word Processing Technician Certificate, Information Processing Technician Certificate, and Information Processing Specialist Certificate.

#### **Information Processing Specialist (Certificate)**

Overall Rating of Success: High. Over 70% of students taking CISA 311, ET 145, ET146, and ET 147 were successful on projects, lab assignments, quizzes, and exams, while 80% of students taking CISC 360 successfully completed the course.

### **Information Processing Technician (Certificate)**

Overall Rating of Success: High. Over 70% of students taking CISA 310, CISC 305, and CISA 323 were successful on projects, lab assignments, quizzes, and exams. 84% of the students scored 99% or better in CISA 340, while 84 scored 99% or better in CISC 320 on all projects, lab assignments, quizzes, and exams.

### **Information Systems Security (A.S. Degree and Certificate)**

Overall Rating of Success: Moderate to High. The majority of students taking CISS 320, CISS 330, CISS 350, CISS 301, and CISS 300 scored satisfactory on lab assignments, quizzes, and exams; in CISN 310, CISS 341, and CISS 360, over 70% scored satisfactory in case study projects and exams. In CISN 300, over 76% scored 75% or better on case study projects and on the final exam. In CISN 300 and CISC 323 the majority of students scored successfully on case projects and exams. For CISC 320, between 84 and 99% of students were successful in understanding and manipulating the features of a computer operating system.

### **International Computer Driving License \*(Certificate)**

Overall Rating of Success: High. Over 70% of students taking CISC 310, CISA 305, CISA 310, and CISC 305 were successful on projects, quizzes, and exams. Over 80% of students taking CISA 323 scored 70% or better on all projects, quizzes, and exams. Over 91% of students were successful in demonstrating competency in CISA 340.

### **Management Information Science (A.S. Degree and Certificate)**

Overall Rating of Success: Moderate to High. For CISA 310, CISC 323, CISC 310, CISA 311, CISC 324, CISN 303, CISS 301, CISW 320, the majority of students were successful on case study projects, lab assignments, quizzes, and exams; for CISA 323, CISC 305, CISP 301, CISP 370, CISC 306, CISN 300, CISP 350, CISP 440, CISS 310, over 70% of students were successful on lab assignments, programming assignments, case study projects, quizzes, and exams. For students in CISC 320, CISP 360, CISP 401, CISA 306, CISC 355, CISC 360 CISP 430, CISW 400, and CISW 410, 80% or better scored satisfactory on programming assignments, case study projects, lab assignments, quizzes, and exam. For students in CISA 340, CISP 400, CISA 324, CISC 110, CISN 306, CISN 308, CISP 310, CISP 457, and CISW 325, over 90% or better scored satisfactory on programming assignments, projects, quizzes, and exams.

### **Network Administration (A.S. Degree and Certificate)**

Overall Rating of Success: Moderate to High. For CISC 323, CISS 300, CISN 303, CISC 324, CISN 340, CISN 341, CISN 300, CISS 301, CISS 320, CISS 330, and CISS 350, the majority of students were successful on case study projects, quizzes, and exams; for CISS 310, CISS 360, and CISC 310, over 70% of students were successful on lab assignments, quizzes, and exams. For students in CISC 355, CISC 320, over 80% were successful on all assignments and exams.

For students in CISN 302, CISN 306, CISN 307, CISN 308, between 92% and 100% scored 70% or better on all projects and exams.

### **Network Design (A.S. Degree and Certificate)**

Overall Rating of Success: Moderate to High. CISN 346 and CISN 304 are suspended. In CISC 323, CISN 340, CISN 341, CISN 300, CISN 303, and CISS 320, the majority of students were successful on case study projects and exams. For CISS 310 and CISC 310, over 70% of students were successful on case study projects, quizzes, and exams. For CISC 320, between 84% and 99% were successful on projects and exams; for CISN 342, CISN 343, CISN 336, and CISN 308, between 90% and 96% scored 70% or better on case study projects, quizzes, and exams.

### **PC Support (Certificate)**

Overall Rating of Success: Moderate. The majority of students taking the English component (Business 310, English as a Second Language Writing 340, English Writing 300 or English Writing 480) were successful in completing the course. In CISC 310, CISA 310, CISS 300, CISS 301, CISW 320, ET 145 and ET 146, the majority of students were successful on projects, lab assignments, and exams. In CISA 305, CISA 323, CISC 305, and CISC 306, 70% of the students scored 95% or better on all lab assignments, quizzes, and exams, while in CISC 355, CISC 351, and CISC 360, 80% of the students were successful in all lab assignments, quizzes, and exams. In CISA 340, 90% or better of students were successful in all lab assignments, quizzes, projects, and exams.

### **Programming (Certificate)**

Overall Rating of Success: Moderate to High. The majority of students taking the English component (Business 310, English Writing 300, or English Writing 480) were successful in completing the course. In CISP 301 70% of the students were successful in programming assignments, quizzes, and exams, while in CISP 360, CISP 401, and CISP 430, 85% of the students were successful in all programming assignments, quizzes, and exams. In CISP 400 and CISP 457, over 91% scored 92% or better on all programming assignments, quizzes, and exams.

### **Web Developer (A.S. Degree and Certificate)**

Overall Rating of Success: Moderate to High. The majority of students taking CISA 320, CISC 323, CISC 324, and GCOM 330 were successful in completing the course. Students taking CISP 350 averaged 70% on all programming projects, quizzes, and exams. 80% or better of students taking CISA 324, CISP 401, CISW 350, CISW 370, CISW 400, and CISW 410 scored 70% or better on 70% of lab assignments, projects, quizzes, and exams. For CISW 470 and CISW 325, 94% or better scored 80% or better on all assignments, quizzes, and exams.

### **Webmaster, Level 1 (Certificate)**

Overall Rating of Success: Moderate to High. CISW 304 is offered in Fall 2012. The majority of students taking CISC 310, MKT 330, CISW 320, GCOM 330, GCOM360, and GCOM 101 were successful in completing the course. Students taking CISC 305, CISW 350 and CISC 323 averaged 70% on all projects, quizzes, and exams. 80% or better of students taking CISC 355, CISC 320, CISW 400, and CISW 370 scored 80% or better on 70% or better of all lab assignments, projects, quizzes, and exams. For CISW 321, CISW 325, and CISW 470, 90% or better scored 80% or better on all assignments, quizzes, and exams.

### **Webmaster, Level 2 (Certificate)**

Overall Rating of Success: Moderate to High. CISW 420 is suspended. For GCOM 101, CISC 310, CISW 320, CISN 303, and CISS 330, the majority of students were successful on case study projects, lab assignments, quizzes, and exams; for CISC 323, CISN 300, and CISS 310, over 70% of students were successful on lab assignments, case study projects, quizzes, and exams. 80% or better of students taking CISC 320, CISC 355, and CISW 410 scored better than 70% or better of all lab assignments, projects, quizzes, and exams. Over 90% of students in CISW 321, CISW 325 and CISN 308 scored 90% or better on assignments, projects, quizzes, and exams.

### **Word Processing Technician (Certificate)**

Overall Rating of Success: Moderate to High. Over 70% of students taking CISA 303 and CISA 305 successfully completed business quality documents using beginning word processing features. In 2004, over 93% of students taking CISA 304 and CISA 306 successfully completed business quality documents using all advanced features; a very small percentage (46%) were successful in assessing macro programming. Re-design of course in 2008 showed that 78% of students were successful in macro programming. Over 70% of students taking CISC 300 or CISC 310 scored satisfactory on assignments, lab activities, and final exam. 100% of students enrolled in CISC 110 were able to produce quality electronic portfolios.

## **Humanities & Fine Arts**

### **Studio Art (A.A.-T Degree)**

Students in the Studio Art AA program showed moderate to high achievement of the program student learning outcomes. Comparing and contrasting works of art has been identified as an area of that students find challenging in some classes

### **Fine Arts (A.A. Degree)**

Students in the Fine Arts AA program showed moderate to high achievement of the program student learning outcomes. An understanding of the pluralism in the fine arts has been identified as an area of that students find challenging in some classes.

### **Communication Studies (A.A. and AA-T Degrees)**

Students in the Communication studies AA and AAT programs showed moderate to high achievement of the program student learning outcomes. Program Student Learning Outcomes may be revised.

### **Learning Resources**

#### **Library and Information Technology (A.S. Degree and Certificate)**

Student achievement of all Program SLOs is high. Evaluation of SLOs from the courses indicates that students are mastering these concepts and skills. Because technology is such a critical part of providing library services, the use of technology is embedded in all coursework within the program.

Student Follow-Up Survey: Twenty-eight of the total 53 respondents to the survey had obtained a position in a library. Of the 51 current or former students who responded to the question “Do you feel that attending the LIBT program has helped you get a job?” only 5% responded no. Of the 51 students who answered the question, over 84% felt that attending the LIBT program helped them advance in their employment. Of the 49 responses, over 95% would choose the LIBT program again.

### **Mathematics, Statistics & Engineering**

#### **Civil Engineering (A.S. Degree)**

Students were highly successful in meeting the Program Student Learning Outcomes for all Engineering Degrees.

#### **Electrical/Computer Engineering (A.S. Degree)**

Students were highly successful in meeting the Program Student Learning Outcomes for all Engineering Degrees.

#### **General Engineering (A.S. Degree)**

Students were highly successful in meeting the Program Student Learning Outcomes for all Engineering Degrees.

#### **Mechanical/Aeronautical Engineering (A.S. Degree)**

Students were highly successful in meeting the Program Student Learning Outcomes for all Engineering Degrees.

## **Science & Allied Health**

### **Chemistry (A.S. Degree)**

The students in Chemistry 421, the capstone course in the program, take a nationally standardized examination. The results for SCC students were compared to those of students around the country. The questions on the test were aligned with the ProLOs stated for the chemistry program. In every case, SCC students did better than the national average. Overall, the mean raw score nationally is 39 out of 70 or 56%. The mean score for all SCC students who took the same exam over 2 semesters and 2 different instructors was 86%.

### **Nursing, Registered (A.S. Degree)**

Associate degree nursing students were highly successful in accomplishing the program student learning outcomes. The NCLEX licensure exam pass rate in 2011 was 98.4% percent.

### **Nursing, Vocational (A.S. Degree and Certificate)**

Vocational nursing students were highly successful in accomplishing the program student learning outcomes. The NCLEX -PN licensure exam pass rate for 2011-12 was 96.25% percent.

### **Occupational Therapy Assistant (A.S. Degree)**

Student achievement is high for each of the Program SLO's listed. Students leave the OTA Program as competent entry-level practitioners. The program has a strong and positive reputation on a regional level. Clinics are often impressed with the professionalism and skills of the students from SCC. While the OTA Program pass rate on the NBCOT exam is within ACOTE standards, it would be beneficial to students to determine the variables affecting those who do not pass on the first time. For the classes completing in 2010-2012, a follow-up survey was distributed, with a 28% response rate (20/72). All respondents, or 100%, indicated that they "agree" (35%) or "strongly agree" (65%) that the SCC OTA Program adequately prepared them to work as an entry-level OTA.