



# CTE Full Review

PALO VERDE COLLEGE

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## COMPUTER INFORMATION SYSTEMS

Computer Information Systems AS; 3D Computer Animation CCP; 3D Printing and Rapid Prototyping CCP; Computer Applications CCP; Graphic Design and Web Content CCP; Information Technology Literacy CCP;

Management Information Systems CCP

REPORTING FALL 2018 TO SPRING 2022

### 1. PURPOSE OF THE PROGRAM

“Palo Verde College provides opportunities for personal and professional growth to a diverse community of learners in an academic environment committed to student success and equity by supporting student achievement of basic skills, certificate, degree, university transfer, and career goals.”

a. **Describe the purpose of program and its mission.**

The CIS program at Palo Verde College is a comprehensive program designed to prepare students for continued higher education opportunities and entry into the world of work. The CIS program offers an AS degree in CIS, and six-certificates. Each of these certificates are designed to integrate into the AS degree so that a student pursuing the AS degree will exit the college with one or more certificates along with their Associate’s Degree. These programs have been developed so that they are latticed and stackable, leading to completion and pursuit of numerous certificates as they work toward their AS Degree in CIS.

Program courses are available to students enrolled in CIS certificate programs, as well as other College programs and certificates. CIS courses are also available to others seeking to acquire or upgrade their computer literacy skills for personal and career reasons. The CIS department also works collaboratively with Palo Verde High School to offer courses in the CIS field to qualified high school students during their traditional school day.

The mission of the program is to promote rigorous curriculum and instruction, focusing on the technological software, hardware, and planning expected of a graduate and potential employee.

The CIS program serves students of all ages and demographics. There are traditional college students enrolled in the program as well as concurrently enrolled high school students and adult learners. Each of these populations require different support and instruction methods.

- b. **How has the program changed in the last two years? In major ways, minor, or no real changes to speak of? Explain.**

During the past two years, the CIS program changed classroom and lab. The purpose of the move was to create a designated lab area where students could work on their 3D Printing Projects and have access to equipment, hardware, and tools that are used in this field. As the program grew in popularity and size, the lab area also needed to grow. Palo Verde College now has a “Model” 3D Printing lab that will accommodate the growing 3D Printing Program. The 3D printing Lab has grown from nine 3D printers to now having 27 3D printers from a variety of manufacturers, allowing students to experience 3D printing through numerous software and hardware interfaces.

3D Animation software has been updated and donations secured to continue offering students use of the latest professional animation software available with a minimal cost to the College.

A new office was acquired by the full-time CIS faculty member. This office has been transitioned into a repair shop, so that the instructor could work on the printers and save on the costly repairs associated with shipping the printers to an official repair shop.

All new computers were installed in the classroom. These computers were specifically chosen because of their ability to run all of the CIS Program software without having hardware issues.

- c. **How does the program support the College Mission?**

The CIS program supports the College Mission through offering quality programs and certificates in many of the CIS fields of study. These courses and programs promote personal and professional growth of its students through relevant and rigorous SLOs which have been identified and assessed for each course and program. In addition, this program supports the diversity of students that are enrolled at Palo Verde College as well as concurrently enrolled high school students from Palo Verde High School.

## **2. POPULATION(S) SERVED**

- a. **Describe the populations served by the program, identifying special populations, if any.**

Populations served by our CIS Program include students in the A.S. Degree for Computer Information Systems, the Computer Applications Certificate, Computer Animation Certificate, Information Technology Literacy Certificate, Graphic Design and Web Content Certificate, Management Information Systems Certificate, 3D Printing and Rapid Prototyping Certificate, concurrently enrolled high school students, lifelong learners, and students taking computer courses in order to obtain the skills that will make them successful in school, work, and personal environments.

- b. **Describe other populations that should be served by the program and identify plans for serving them in the future.**

The CIS program already serves local community students, adult learners, high school students, and

people looking for professional growth in their jobs. These populations will continue to be focused on in the future.

### **3. ACCOMPLISHMENTS IN ACHIEVING GOALS**

- a. **Describe progress in achieving each goal outlined in the previous CTE Update, providing evidence documenting such achievements.**

**Need of Student Workers (WITH CIS EXPERIENCE & KNOWLEDGE) (Two Year Plan – CTE Update Fall 2018-Spring 2020):**

The CIS department will continue to need student workers to support the program. It is important to have the assistance of these positions as well as offering critical job experience opportunities for students pursuing degrees and certificates in the CIS field. The CIS department will seek funding for these positions on an ongoing basis. For some reason, there have been student workers assigned to the CIS Department who have zero background knowledge of CIS. It is vital to have students who have already completed at least 2 courses in CIS, in order to be selected for the “CIS Student Worker”. Having a qualified student worker with CIS experience is vital.

**CIS Program Funding (Two Year Plan – CTE Update Fall 2018-Spring 2020):**

The CIS Department also receives specialized funding such as Perkins, Lottery, as well as other CTE related support. It is critical to CTE programs to have financial support as there are additional expenses associated with CTE programs. Having courses and programs that require supplies and current and emerging technologies is critical for providing a meaningful, relevant, and rigorous program of study in Computer Information Systems. Currently all CTE programs are not receiving any Perkins funding due to the budget being spent on a CTE Advisor. Without this funding, needed equipment cannot be purchased by all CTE Programs. The CIS department will continue advocating for the CTE Advisor to be funded from another budget so that all CTE Programs can continue to grow and flourish. No Perkins funding was available to support the CIS program during the 2022-2023 academic year.

**High School Enrollment (Two Year Plan – CTE Update Fall 2018-Spring 2020):**

The CIS Department will also continue pursuing high school enrollment. The lead CIS faculty knows the importance of offering these courses to local high school students. Continued funding for transportation of these students will be needed. The CTE faculty in CIS, AUT, WEL, and BCT offer courses 5 days a week to students. This is not the traditional college faculty work schedule. The instructors in these departments know the value of offering these courses to these students as many of them attend Palo Verde College upon graduation from high school with a Certificate or more already completed. The CIS department will continue pursuing high school enrollment and encourage administration to support the transportation costs associated with this endeavor.

**Course Relevance (Two Year Plan – CTE Update Fall 2018-Spring 2020):**

The CIS department has revised all course outlines, placed numerous courses on inactive status, revised AS degree programs and certificates to reflect current labor market demand, and created new certificate programs.

Through this process, the CIS department revamped its AS degree to provide a program of study in which all courses directly support the mission of the department, reflect the input from the Advisory

Committee, align to labor market data, and can be offered in a two-year cycle so that students can complete an AS degree in a timely manner.

**Student Learning Outcomes (SLOs) (Two Year Plan – CTE Update Fall 2018-Spring 2020):**

The CIS Department will continue to assess and analyze it’s CLO, PLO, and ILO data.

- b. Explain modifications, if any, of goals outlined in the previous CTE Update, providing evidence documenting such modifications.

N/A

## 4. DEMAND FOR THE PROGRAM

Is the demand for the program high, adequate, or low? Support your answer with labor market data, advisory input, etc.

Demand for the CIS programs is evidenced through the consistent enrollment of students through face-to-face enrollment of community and concurrently enrolled high school students, and correspondence and distance education modalities. The demand for the CIS programs is also evidenced through the Advisory Committee Group membership, attendance, feedback, and input provided each year.

### **EMPLOYMENT AND WAGES BY OCCUPATION (OEWs) – COMPUTER INFORMATION SYSTEMS**

Area Type	Area Name	Year	Occupational Title	Wage Type	# Employed	Mean Wage
Metropolitan Area	Riverside	2018	CIS Managers	Hourly wage	1,120	66.32
Metropolitan Area	Riverside	2018	CIS Managers	Annual wage	1,120	137,946.00
Metropolitan Area	Riverside	2019	CIS Managers	Hourly wage	1,320	72.65
Metropolitan Area	Riverside	2019	CIS Managers	Annual wage	1,320	151,122.21
Metropolitan Area	Riverside	2020	CIS Managers	Annual wage	1,730	144,065.26
Metropolitan Area	Riverside	2020	CIS Managers	Hourly wage	1,730	69.26
Metropolitan Area	Riverside	2021	CIS Managers	Annual wage	1,780	141,243.67
Metropolitan Area	Riverside	2021	CIS Managers	Hourly wage	1,780	67.9
Metropolitan Area	Riverside	2022	CIS Managers	Annual wage	2,030	156,797.20
Metropolitan Area	Riverside	2022	CIS Managers	Hourly wage	2,030	75.38

*\*Occupational Employment Statistics (OES) – Riverside-San Bernardino-Ontario MSA  
([labormarketinfo.edd.ca.gov/geography/riverside-county.html](http://labormarketinfo.edd.ca.gov/geography/riverside-county.html)) August 2022*

### **EMPLOYMENT PROJECTIONS BY INDUSTRY AND OCCUPATION – COMPUTER INFORMATION SYSTEMS**

Area Name	Period	Occupational Title	2019 Employment	2022 Employment	% Growth
Riverside	2018-2028	CIS Manager	1,320	2,030	34.9

*\*Long-Term Occupational Employment Projections – Riverside-San Bernardino-Ontario MSA*

**EMPLOYMENT AND WAGES BY OCCUPATION (OEW) – WEB DESIGN/DEVELOPERS**

Area Name	Year	Occupational Title	Wage Type	# Employed	Mean Wage
Riverside	2020	Web Developers	Annual wage	960	57,078.61
Riverside	2020	Web Developers	Hourly wage	960	27.44
Riverside	2021	Web Developers	Annual wage	1,020	69,379.71
Riverside	2021	Web Developers	Hourly wage	1,020	33.35
Riverside	2022	Web Designers	Annual wage	330	69,680.79
Riverside	2022	Web Designers	Hourly wage	330	33.5

*\*Occupational Employment Statistics (OES) – Riverside-San Bernardino-Ontario MSA  
([labormarketinfo.edd.ca.gov/geography/riverside-county.html](http://labormarketinfo.edd.ca.gov/geography/riverside-county.html)) August 2022*

**EMPLOYMENT PROJECTIONS BY INDUSTRY AND OCCUPATION – WEB DESIGN/DEVELOPERS**

Area Name	Period	Occupational Title	2018 Employment	2022 Employment	% Growth
Riverside	2018-2028	Web Dev/Designers	1013	1475	31.3

*\*Occupational Employment Statistics (OES) – Riverside-San Bernardino-Ontario MSA  
([labormarketinfo.edd.ca.gov/geography/riverside-county.html](http://labormarketinfo.edd.ca.gov/geography/riverside-county.html)) August 2022*

**Regional Labor Market Data Assessment: Orange County Region 2022**

SOC	SOC Title	Demand Annual Openings	Entry Level Wage	Median Wage
15-1232	Computer User Support Specialists	2,180	\$21.39	\$27.35
15-1299	Computer Occupations, All Other	588	\$27.19	\$38.70
15-1257	Web Developers and Designers	204	\$22.01	\$33.48
27-1024	Graphic Designers	361	\$19.13	\$27.84
27-4014	Special Effects Artists/Animators	79	\$15.19	\$30.51

*Centers of Excellence For Labor Market Research (OCSAP 2021-ICT & Digital Media Sector Brief  
([coeccc.net/orange-county/2022/02/ocsap-2021-ict-and-digital-media-sector-brief/](http://coeccc.net/orange-county/2022/02/ocsap-2021-ict-and-digital-media-sector-brief/)) August 2022*

**Data Sources**

Labor market and educational supply data compiled in this report covers the Inland Empire region. Data were drawn from external sources, including California Economic Development Department, the Economic Modeling Specialists,

Inc., the California Community Colleges Chancellor's Office Management Information Systems Data Mart, and the National Center for Educational Statistics (NCES) Integrated Postsecondary Education Data System (IPEDS).

## 5. EXTERNAL ISSUES, STRENGTHS, WEAKNESSES

- a. **Cite relevant legislation, Chancellor's Office mandates, VTEA, Tech Prep, CalWORKs, WIA, BIG career ladders, etc. that are contributing positive or negative factors for the program. Explain each mitigating factor and the impact on the program.**

The Palo Verde College CIS Department offers most of its CIS courses during the Palo Verde High School traditional school day. Students at PVHS can take college courses concurrently during their school day at no cost. These high school students typically make up 50-75% of the enrollment in these courses. For this reason, PVC will need to continue marketing their programs to PVHS students and parents through events such as Career Day, Transfer Day, Financial Aid events at PVHS Campus, and through other community events. Having a good working relationship with the Unified School District Administration and the local high schools is vital to the success of this task. Transportation costs for transporting the high school students is paid by Palo Verde College. Continued support for transportation will be needed.

During the 2019-2020 academic year, the CIS Full-Time Faculty member designed an academic calendar which aligned closer to the Unified School District's calendar. The 2021-2022 academic calendar was developed by the full-time CIS faculty member. Having a similar calendar to PVUSD is an area of importance for Palo Verde High School, as they are understaffed and unable to handle student course coverage during days where the PVC and PVHS calendars differ. Dialog regarding PVC's Calendar and the PV Unified School District Calendar will need to continue being addressed.

Having a dedicated full-time CTE advisor has been vital to the success of these tasks. Continued funding of this dedicated position is vital to all CTE programs offering concurrent instruction to local high school students. Because of this CTE Advisor position, all CTE funding has been cut from all CTE Programs. Without this funding, equipment cannot be replaced, upgraded, or purchased. Having someone whose sole focus is on the registration, retention, success, and job/career training for these students is vital to the goals of each department in the Professional Technologies Division. We are hoping the college will begin funding the CTE Advisor position from another funding source.

Through Perkins I-C funding and involvement in activities supported by CTE Transitions funding, the CIS department can grow and flourish. Perkins funding has allowed new technologies, tools, and supplies to be purchased for CIS programs, supporting the goals of the CIS department and the goal of the grants. With new programs added to the Perkins grant, the budget will decrease. It will be

vital to the success and growth of the CIS Program to receive General Budget funding as all of the other Professional Technologies Departments receive.

**b. List and comment on the major strengths of the program.**

The program is popular among students at Palo Verde College. Many of the graduates each year that cross the stage at graduation represent the CIS Department. The CIS department has demonstrated a high level of success in Completion and Retention. Many of the concurrently enrolled high school students from Palo Verde High School attend PVC upon graduation and many continue pursuing courses, certificates, and degrees in CIS.

Having state of the art technology such as the 3D printing lab helps draw students into this cutting-edge technology.

Having acquired a 3D Animation and Modeling Software donation from “Maxon” worth roughly \$250,000 has been a strength of the Computer Animation Program. In the future, Maxon will be requiring Palo Verde College to pay something for the software. We are hoping to identify a budget source to help cover this cost.

**c. List and comment on the major weaknesses of the program.**

The CIS Department will need to offer more courses in the summer term. There are classes that are tied to various certificates and degrees (CIS 101, CIS 102, and CIS 248), that are not offered in the Fall or Spring term. All three of these should be offered each summer.

## **6. CURRICULUM HISTORY**

**a. List all the courses in the program. Of the courses constituting the program, identify those that have not been successfully offered at least once during the preceding eight (8) semesters.**

CIS 101 (Intro to Computers)	CIS 201 (Intro. To 3D Printing)
CIS 102 (Personal Computer Applications)	CIS 202 (3D Printing: Basic Model Making)
CIS 123 (Web Design Using HTML)	CIS 203 (3D Printing: Basic Model Finishing)
CIS 124 (Web Page Design Tools)	CIS 204 (Advanced 3D Computer Animation)
CIS 130 (Intro. To 3D Computer Anim.)	CIS 248 (Systems Analysis and Design)
CIS 131 (Animation Princ. and Prod. I)	CIS 260 (Desktop Publishing)
CIS 132 (Animation Princ. and Prod. II)	CIS 265 (Adobe Photoshop)
CIS 133 (Advanced 3D Comp. Anim.)	

\*Every course in the program is offered within the two-year program cycle, but most courses are offered each year or each semester.

**b. Explain in specific terms why these courses were not successfully offered. Provide a strategy for improving their success, or explain why they should not be removed from the program.**

N/A

## 7. COURSE SCHEDULING AND AVAILABILITY

**Describe how the scheduling of classes in the program optimizes class availability and supports student success.**

During the time of this program review, the CIS program offered courses in the face-to-face modality, correspondence education modality, and online modality. Through offering a variety of courses at different times or through various modalities students were able to benefit from what the CIS program at Palo Verde College offers. All of the CIS courses have been designed to be offered within the 2-year program cycle with many courses being offered each term or each year. This allows students to enter the CIS program at any time and still be able to complete their program of study within a 2-year time period.

Having courses that were already designed for multiple teaching modalities helped the CIS program transition to remote learning when the COVID-19 pandemic began and all courses were transitioned to remote learning. Covid-19 caused each of our CTE programs to become flexible in the delivery of our curriculum. Most of our Division received Online Teaching Training so that our courses could be offered through the online education delivery method.

Having a CTE Calendar that closely aligns to Palo Verde Unified School District helps obtain and retain high school students in our programs.

## 8. STUDENT LEARNING OUTCOMES (SLO)

### SLO QUANTITATIVE DATA

Using the Program Level CLO Worksheets, aggregate data annually. Identify all Courses within that Program that have CLOs which map to PLO #1 in the first column of the table below. For each academic year since your last full program review, enter the % of Successful Students for the CLOs that map to PLO #1. Do the same for each PLO within the program.



Course	CSLO	Term	Meets expectations (Count)	Meets expectations (Percent)	Does not meet expectation (Count)	Does not meet expectation (Percent)	N/A (Count)	N/A (Percent)
CIS201	SLO #1:	2021-22 Fall (2021FA)	18	100	0	0	0	0
CIS201	SLO #2:	2021-22 Fall (2021FA)	18	100	0	0	0	0
CIS201	SLO #3:	2021-22 Fall (2021FA)	18	100	0	0	0	0
CIS202	SLO #1:	2021-22 Fall (2021FA)	18	100	0	0	0	0
CIS202	SLO #2:	2021-22 Fall (2021FA)	18	100	0	0	0	0
CIS202	SLO #3:	2021-22 Fall (2021FA)	18	100	0	0	0	0
CIS203	SLO #1:	2021-22 Spring (2022SP)	18	85.71	2	9.52	1	4.76
CIS203	SLO #2:	2021-22 Spring (2022SP)	19	90.48	1	4.76	1	4.76
CIS203	SLO #3:	2021-22 Spring (2022SP)	19	90.48	1	4.76	1	4.76
CIS204	SLO #1:	2021-22 Spring (2022SP)	18	85.71	2	9.52	1	4.76
CIS204	SLO #2:	2021-22 Spring (2022SP)	18	85.71	2	9.52	1	4.76
CIS204	SLO #3:	2021-22 Spring (2022SP)	19	90.48	1	4.76	1	4.76
CIS248	SLO#1:	2020-21 Fall (2020FA)	40	85.11	7	14.89	0	0
CIS248	SLO#2:	2020-21 Fall (2020FA)	36	76.6	11	23.4	0	0
CIS248	SLO#3:	2020-21 Fall (2020FA)	39	82.98	8	17.02	0	0
CIS101	SLO#1:	2020-21 Fall (2020FA)	45	81.82	9	16.36	1	1.82
CIS101	SLO#2:	2020-21 Fall (2020FA)	44	80	8	14.55	3	5.45
CIS101	SLO#3:	2020-21 Fall (2020FA)	50	90.91	2	3.64	3	5.45
CIS102	SLO#1:	2020-21 Fall (2020FA)	40	86.96	4	8.7	2	4.35
CIS102	SLO#2:	2020-21 Fall (2020FA)	40	86.96	2	4.35	4	8.7

## A.S. Degree in CIS (CLO-PLO Analysis)

Average Percentage Program Learning Outcome #1	
A.S. Degree in Computer Information Systems	
<i>Acquired fundamental grounding in communications, science, mathematics, humanities, the social sciences and self-development in preparation for an occupation, and possible transfer to a four-year institution.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	90.91%
CIS 102	86.96%
CIS 123	Not Assessed During This Time Period
CIS 124	Not Assessed During This Time Period
CIS 130	Not Assessed During This Time Period
CIS 131	Not Assessed During This Time Period
CIS 132	Not Assessed During This Time Period
CIS 133	Not Assessed During This Time Period
CIS 201	100%
CIS 202	100%
CIS 203	85.71%
CIS 204	85.71%
CIS 248	85.11%
CIS 260	Not Assessed During This Time Period
CIS 265	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>90.62%</b>

Average Percentage Program Learning Outcome #2	
A.S. Degree in Computer Information Systems	
<i>Demonstrated knowledge of technology applicable to the field, and a proficiency in appropriate software; be competent evaluators and users of hardware; adapt to technological changes and select a current solution for a given problem.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	80.91%
CIS 102	86.96
CIS 123	Not Assessed During This Time Period
CIS 124	Not Assessed During This Time Period
CIS 130	Not Assessed During This Time Period
CIS 131	Not Assessed During This Time Period
CIS 132	Not Assessed During This Time Period
CIS 133	Not Assessed During This Time Period
CIS 201	100%
CIS 202	100%
CIS 203	90.48%
CIS 204	88.1%
CIS 248	79.79%
CIS 260	Not Assessed During This Time Period
CIS 265	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>89.46%</b>

## A.S. Degree in CIS (CLO-PLO Analysis) cont.

From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes	
A.S. Degree in Computer Information Systems	
PROGRAM LEARNING OUTCOME	% Successful Students (FALL 2020-SPRING 2022)
PLO #1	90.62%
PLO #2	89.46%
<b>Average % (Fall '20-SPRING '22)</b>	<b>90.04%</b>

## Comp. App. Cert. of Career Prep (SLO Analysis)

Average Percentage Program Learning Outcome #1	
Computer Applications Certificate of Career Preparation	
<i>Acquire and validate resources to solve technical problems; use information resources to gather discipline specific information or materials.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	85.46%
CIS 102	86.96
CIS 123	Not Assessed During This Time Period
CIS 124	Not Assessed During This Time Period
CIS 130	Not Assessed During This Time Period
CIS 131	Not Assessed During This Time Period
CIS 132	Not Assessed During This Time Period
CIS 133	Not Assessed During This Time Period
CIS 248	80.86%
CIS 260	Not Assessed During This Time Period
CIS 265	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>84.43%</b>

## Comp. App. Cert. of Career Prep (SLO Analysis) Cont.

Average Percentage Program Learning Outcome #2	
Computer Applications Certificate of Career Preparation	
<i>Demonstrated understanding of the basics of computers and applications, including web page design and desktop publishing.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	81.82%
CIS 102	86.96
CIS 123	Not Assessed During This Time Period
CIS 124	Not Assessed During This Time Period
CIS 130	Not Assessed During This Time Period
CIS 131	Not Assessed During This Time Period
CIS 132	Not Assessed During This Time Period
CIS 133	Not Assessed During This Time Period
CIS 248	82.98
CIS 260	Not Assessed During This Time Period
CIS 265	Not Assessed During This Time Period

Average % - (Fall '20-SPRING '22)	83.92%
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From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes Computer Applications Certificate of Career Preparation	
PROGRAM LEARNING OUTCOME	% Successful Students - (FALL 2020-SPRING 2022)
PLO #1	84.43%
PLO #2	83.92%
Average % - (Fall '20-SPRING '22)	84.18%

## Info. Tech. Lit. Cert. of Career Prep (SLO Analysis)

Average Percentage Program Learning Outcome #1 Information Technology Literacy Certificate of Career Preparation	
<i>Acquire and validate resources to solve technical problems; use information resources to gather discipline specific information or materials.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	85.46%
CIS 102	86.96%
CIS 248	85.11%
Average % - (Fall '20-SPRING '22)	85.84%

Average Percentage Program Learning Outcome #2	

Information Technology Literacy Certificate of Career Preparation	
<i>Demonstrated understanding of the basics of computers and applications; including hardware, software and office productivity tools.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	81.82%
CIS 102	86.96
CIS 248	79.79%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>82.86%</b>

From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes	
Information Technology Literacy Certificate of Career Preparation	
PROGRAM LEARNING OUTCOME	% Successful Students - (FALL 2020-SPRING 2022)
PLO #1	85.84%
PLO #2	82.86%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>84.35%</b>

## Comp. Anim. Cert. of Career Prep (SLO Analysis)

Average Percentage Program Learning Outcome #1	
Computer Animation Certificate of Career Preparation	
<i>Acquire and validate resources to solve technical problems; use information resources to gather discipline specific information or materials.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 130	Not Assessed During This Time Period
CIS 131	Not Assessed During This Time Period
CIS 132	Not Assessed During This Time Period
CIS 133	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>Not Assessed During This Time Period</b>

Average Percentage Program Learning Outcome #2	
Computer Animation Certificate of Career Preparation	
<i>Demonstrate understanding of 3D Animation principles and procedures in 3D production through the use of software, projects, analysis, and peer review.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 130	Not Assessed During This Time Period
CIS 131	Not Assessed During This Time Period
CIS 132	Not Assessed During This Time Period
CIS 133	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>Not Assessed During This Time Period</b>

From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes	
Computer Animation Certificate of Career Preparation	
PROGRAM LEARNING OUTCOME	% Successful Students - (FALL 2020-SPRING 2022)
PLO #1	Not Assessed During This Time Period
PLO #2	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>Not Assessed During This Time Period</b>

## Graphic/Web Design Cert. of Career Prep (SLO Analysis)

Average Percentage Program Learning Outcome #1	
Graphic Design and Web Content Certificate of Career Preparation	
<i>Acquire and validate resources to solve problems; use information resources to gather discipline specific information or materials.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 123	Not Assessed During This Time Period
CIS 124	Not Assessed During This Time Period
CIS 260	Not Assessed During This Time Period
CIS 265	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>Not Assessed During This Time Period</b>

Average Percentage Program Learning Outcome #2	
Graphic Design and Web Content Certificate of Career Preparation	
<i>Demonstrate knowledge of technology applicable to the field, and a proficiency in appropriate software; be competent evaluators and users of hardware; adapt to technological changes and select a current solution for a given problem.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 123	Not Assessed During This Time Period
CIS 124	Not Assessed During This Time Period
CIS 260	Not Assessed During This Time Period
CIS 265	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>Not Assessed During This Time Period</b>

From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes	
Graphic Design and Web Content Certificate of Career Preparation	
PROGRAM LEARNING OUTCOME	% Successful Students - (FALL 2020-SPRING 2022)
PLO #1	Not Assessed During This Time Period
PLO #2	Not Assessed During This Time Period
<b>Average % - (Fall '20-SPRING '22)</b>	<b>Not Assessed During This Time Period</b>

## Mgmt. Info. Sys. Cert. of Career Prep (SLO Analysis)

Average Percentage Program Learning Outcome #1	
Management Information Systems Certificate of Career Preparation	
<i>Acquire and validate resources to solve technical problems; use information resources to gather discipline specific information or materials.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	90.91%
CIS 248	85.11%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>88.01%</b>

Average Percentage Program Learning Outcome #2	
Management Information Systems Certificate of Career Preparation	
<i>Demonstrate knowledge of technology applicable to the field, and a proficiency in appropriate software related to managing information systems; adapt to technological changes and select a current solution for a given problem in today's business environment.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 101	80.91%
CIS 248	79.79%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>80.35%</b>

From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes	
Management Information Systems Certificate of Career Preparation	
PROGRAM LEARNING OUTCOME	% Successful Students - (FALL 2020-SPRING 2022)
PLO #1	88.01%
PLO #2	80.35%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>84.18%</b>

## 3D Printing Cert. of Career Prep (SLO Analysis)

Average Percentage Program Learning Outcome #1	
3D Printing and Rapid Prototyping Certificate of Career Preparation	
<i>Acquire and validate resources to solve technical problems; use information resources to gather discipline specific information or materials.</i>	
Course IDs within the Program that map to PLO#1	% Successful Students - (FALL 2020-SPRING 2022)
CIS 201	100%
CIS 202	100%
CIS 203	85.71
CIS 204	85.71%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>92.86%</b>



Average Percentage Program Learning Outcome #2	
3D Printing and Rapid Prototyping Certificate of Career Preparation	
<i>Demonstrate understanding of appropriate 3D printing related tools, equipment, and software to create functional 3D printed objects.</i>	
Course IDs within the Program that map to PLO#2	% Successful Students - (FALL 2020-SPRING 2022)
CIS 201	100%
CIS 202	100%
CIS 203	90.48
CIS 204	85.71%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>94.05%</b>

From the each of the tables above enter the “AVERAGE % of Successful Students by Year” in the appropriate box below.

Average Percentage for all Program Learning Outcomes	
3D Printing and Rapid Prototyping Certificate of Career Preparation	
PROGRAM LEARNING OUTCOME	% Successful Students - (FALL 2020-SPRING 2022)
PLO #1	92.86%
PLO #2	94.05%
<b>Average % - (Fall '20-SPRING '22)</b>	<b>93.46%</b>

## SLO ACTION PLANS

In the table below, describe the action plans that your department has made since your last program review. These action plans should be identified in the Program Level CLO Worksheets.

Program Name	Associated PLO #	Course IDs Affected	Identified Gap	Action Plan(s)	Resources Used to Implement Plan	Outcome	Academic Year(s) this was addressed
AS in CIS	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Computer Applications Cert of Prep	ALL	CIS 101, CIS 102, & CIS 248	N/A	May inactivate in future.	Advisory Committee and Enrollment Trends	N/A	N/A
Computer Animation Cert of Prep	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Graphic Design and Web Content Cert of Prep	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3D Printing Cert of Prep	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mgmt Info Sys Cert of Prep	N/A	CIS 101, CIS 102, & CIS 248	N/A	May Inactivate in future	Advisory Committee and Enrollment Trends	N/A	N/A
Information Technology Literacy Cert of Career Prep	N/A	CIS 101, CIS 102, & CIS 248	N/A	May Inactivate in future	Advisory Committee and Enrollment Trends	N/A	N/A

- a. **List courses for which CLOs have not been assessed. Provide an explanation why assessment of these CLOs have not been performed.**

N/A

- b. **Were any CLOs or PLOs revised/deleted in the past year based on assessment evaluations or revision of the Course Outline of Record? If so, indicate the courses or the program and a detailed explanation for the changes.**

N/A

- c. **Provide specific examples of course improvements resulting from the assessment of course SLOs.**

Each time assessments are conducted, data is collected and compared to previous assessment dates. This data is then discussed in department and division meetings. Through these discussions, ideas and implementation plans are formulated then action plans are designed to help course improvement.

- d. **Provide specific examples of program and certificate improvements resulting from the assessment of program SLOs.**

We have found that through maintaining high quality programs that promote rigor, critical thinking, and independent inquiry into the CIS field that students have consistently met the goals set through the measurable SLOs identified for each course.

- e. **Describe any differences in CLO achievement for different modalities (online, ITV, correspondence, face-to-face).**

N/A

## 9. COURSE CURRENCY

- a. List the courses in the program and the year in which the course outline of each was most recently reviewed and approved by the Curriculum Committee.

Course	Date
CIS-101	12/13/2019
CIS-102	12/13/2019
CIS-123	10/13/2022
CIS-124	10/13/2022
CIS-130	10/13/2022
CIS-131	10/13/2022
CIS-132	10/13/2022
CIS-133	10/13/2022
CIS-201	11/10/2020
CIS-202	11/10/2020
CIS-203	11/10/2020

CIS-204	11/10/2020
CIS-248	05/14/2019
CIS-260	10/13/2022
CIS-265	10/13/2022

- b. **Describe plans to revise and update course outlines of record that have not been reviewed and approved by the Curriculum Committee within the four (4) years preceding this program review report.**

CIS 123, 124, 130, 131, 132, 133, 260, & 265 are all in the process of being updated. SLOs were reviewed, new language was added to reflect new additions to the COR template, as well as textbooks were updated to reflect current versions. We are not sure of the future of some of these courses due to the loss of Correspondence offerings to the California prisons. This will also impact degrees and programs offered through both CIS and BUS departments. It will also potentially affect program completers. We are waiting to see what the future of COVID-19 policies are before we inactivate courses that are not offered each year. In addition, we are hoping the College will continue to allow us to offer all three of these courses (CIS 101, 102, & 248) this summer so that students who are pursuing these certificates and degrees will be able to complete them in a timely fashion before we inactivate them.

## 10. PROGRAM AND COURSE COVERAGE

- a. List the courses in the program and identify which are taught by full-time faculty only, which are taught by adjunct faculty only, and which are taught by both.

Course	Full-Time Only	Adjunct Only	Both Full-Time and Adjunct
CIS-101	X		

CIS-102	X		
CIS-123	X		
CIS-124	X		
CIS-130	X		
CIS-131	X		
CIS-132	X		
CIS-133	X		
CIS-201	X		
CIS-202	X		
CIS-203	X		
CIS-204	X		
CIS-248	X		
CIS-260	X		
CIS-265	X		

**b. Explain how effectively the program is served with the current coverage.**

The CIS department consists of one full-time instructor. In years past, when the College was able to offer CIS courses to the prisons, adjuncts were employed. Now the full-time instructor evaluates curriculum, SLOs, and teaches the courses. The current instructor is able to maintain the course offerings and has created a course offering system that allows students to complete their degree and certificates in 2 years, regardless of when they enter the College.

**c. Describe plans to correct deficiencies, if any, in course and program coverage.**

The only deficiency that occasionally arises is persistence in our program. Persistence and Non-Traditional enrollment are somewhat out of our hands. Since many of our students are from the local high school, we are subject to whatever students select our program for enrollment. In addition, sometimes high school students fail one or more “Core” high school class and have to drop our program so that they can meet the graduation requirements at the high school. When this happens, our “Persistence” numbers drop as these students are unable to return to our program until they pass required courses or graduate from high school then enroll in Palo Verde College.

## 11. PROFESSIONAL DEVELOPMENT

- a. Describe specific professional development activities in which faculty members in the program have participated over the past four (4) years, and explain how such activities benefited the program and supported and facilitated student learning outcomes.

There are many available seminars and conventions in information technology that are available to our department and division. The CIS faculty member has continued a program of self-study to enable himself to teach new subjects and to present classes on updated versions of various software packages. A list of the software and topics that were studied during the past 4 years appears below:

• Windows Operating Systems	• Robotics
• Android OS	• 3D Printing-Cura-Makerbot
• Mobile Platforms	• Online Teaching Training PVC
• Blender Animation	• Adobe Photoshop
• Adobe Creative Cloud Suite	• Cinema 4D Animation
• HTML 5 and CSS	• Emerging Technologies

The CIS full-time faculty member regularly participates in webinars, web-based training, and other online professional development activities in the CIS discipline in order to stay current with emerging technologies. This is demonstrated in the development of new courses and programs at PVC in the CIS field.

Information technology changes so rapidly (completely every three years) that professional development in the CIS department needs to have an extremely high priority just to keep up with the technological wave and learning curve. The ongoing funding for professional development will need to be budgeted at the departmental level each year. CIS faculty has over twenty (20) different workshops and seminars available to them in the Southern California area through the California College Consortium per year.

Flex Days give us time for in-service opportunities within the College. Institutional day is another opportunity for professional growth within the college community. The CIS faculty member participates in all these activities and will continue to be an active part of the future events.

The full-time faculty member from the CIS Department has served in leadership capacities on a variety of committees and professional groups. Most of the professional development that occurs is through individual participation. Presently, the full-time instructor takes courses to enrich his knowledge of the subject area. Staying ahead of the technological curve is an important task of the instructor. He devotes a large amount of time and resources to studying current and emerging trends as they relate to his department and discipline areas.

The CIS instructor completed the Online Teaching Training course focusing on Canvas LMS. The course focused on application, delivery, accessibility, emerging technologies, OER resources, and course shell design.

- b. Describe areas of unmet professional development needs among faculty in the program and identify specifically plans to address those needs.**

N/A

## 12. STUDENT SUCCESSFUL COMPLETION & RETENTION

Note: the Program Review Committee will research the required completion and retention data and provide it to program faculty members for their review and analysis for this report. **Completion** is defined as number of grades of A,B,C,CR divided by A,B,C,D,F,CR,NC,W,MW, IP. **Retention** is defined as number of grades of A,B,C,D,F,CR,NC, MW, IP divided by A,B,C,D,F,CR,NC,W,MW, IP **SEE APPENDIX FOR COURSES AND OUTCOMES**

- a. **Assess semester-by-semester course completion performance in each course in the program over the preceding eight (8) semesters and compare those rates with the Institutional Set standards. The Current Institutional Set Standard is 73.5%**

AVG % Course Success 2018-2022					
Course	AVG % (2018-19)	AVG % (2019-20)	AVG % (2020-21)	AVG % (2021-22)	Combined AVG 2018-2022
CIS 101	61.1	62.1	84.9		69.37
CIS 102	60	100	86		82
CIS 123	80	66.7	69.2	65	70.23
CIS 124	90.9	90		75	85.3
CIS 130	78.6	100	95	85	89.65
CIS 131	84.6	100	90	83.3	89.48
CIS 132	64.3	87.5		87.5	79.77
CIS 133	84.6	100		75	86.53
CIS 201	72.7	92	45.5	100	77.55
CIS 202	72.7	96.3	55.6	100	81.15
CIS 203	91.7	90.5		81	87.73
CIS 204	87.5	92		81	86.83
CIS 248		100	86.4		93.2
CIS 260	75	88.9		75	79.63
CIS 265	62.5	70	66.7	66.7	66.48
AVG Completion (ALL CLASSES) 2018-2022					81.66

The CIS Department had great success in its course completion during this program review cycle. Even with the impact of Covid-19, the department was able to provide courses through online, correspondence, and hybrid instruction, in order to accommodate the community and local high school students.

- b. **Assess semester-by-semester course retention performance in each course in the program over the preceding eight (8) semesters.**

AVG % Course Retention 2018-2022					
Course	AVG % (2018-19)	AVG % (2019-20)	AVG % (2020-21)	AVG % (2021-22)	Combined AVG 2018-2022
CIS 101	90	87.9	93		90.3
CIS 102	100	100	93.5		97.83
CIS 123	100	83.3	100	100	95.82
CIS 124	91.7	100		94.1	95.27
CIS 130	100	68.8	87	100	88.95

CIS 131	100	75	87	100	<b>90.5</b>
CIS 132	93.3	88.9		100	<b>94.07</b>
CIS 133	92.9	90		100	<b>94.3</b>
CIS 201	100	96.2	91.7	100	<b>96.98</b>
CIS 202	100	100	90	100	<b>97.5</b>
CIS 203	100	91.3		100	<b>97.1</b>
CIS 204	100	92.6		100	<b>97.53</b>
CIS 248	100	93.6			<b>96.8</b>
CIS 260	80	100		94.1	<b>91.37</b>
CIS 265	88.9	76.9	100	100	<b>91.45</b>
<b>AVG Retention (ALL CLASSES) 2014-18</b>					<b><u>94.38</u></b>

Course retention was outstanding during this program review cycle. Even with the impact of Covid-19, the instructor was able to provide rigorous curriculum that led to high retention results.

- c. Based on the number of annual awards over the preceding four (4) years, assess trends in the number of program certificates and degrees awarded.

Name of Award	2018-19	2019-20	2020-21	2021-22
Computer Information Systems AS	1	1	1	0
3D Computer Animation CCP	7	6	0	12
3D Printing and Rapid Prototyping CCP	7	18	1	15
Computer Applications CCP	1	0	1	0
Graphic Design and Web Content CCP	5	5	0	8
Information Technology Literacy CCP	6	2	29	0
Management Information Systems CCP	19	4	2	0

The CIS program is quite popular. Many students enroll in the courses and end up completing many certificates through the latticed and stacked nature of the certificates leading to the AS Degree in CIS. A large number of the people walking across the stage at the graduation ceremony each year are students who have earned certificates and degrees in CIS. This number is likely to be reduced in some CIS certificates (Information Technology Literacy, Management Information Systems, & Computer Applications) as now students pursuing degrees and certificates from California prisons will no longer be able to take CIS courses. These certificates and representative courses will be discussed and potentially inactivated during the 2022-2023 academic year.

### 13. ENROLLMENT TRENDS

*Note: the Program Review Committee will research the required enrollment data and provide it to program faculty members for their review and analysis for this report.*



Comment on semester-by-semester enrollments, providing explanation of increases, declines or erratic fluctuations in enrollment. Be sure to comment on enrollment trends based on modality as well.

**SEE APPENDIX FOR COURSES AND OUTCOMES**

CIS ENROLLMENT (FALL 2018-SPRING 2022)								
Course	Fall 2018 - Spring 2019		Fall 2019 - Spring 2020		Fall 2020 - Spring 2021		Fall 2021 - Spring 2022	
	F-2-F	DE	F-2-F	DE	F-2-F	DE	F-2-F	DE
CIS 101		20		33		57		
CIS 102						46		
CIS 123	10		18			13	20	
CIS 124	12		10				17	
CIS 130	14		16			23	20	
CIS 131	13		12			23	18	
CIS 132	15		9				16	
CIS 133	14		10				16	
CIS 201	11		26			12	18	
CIS 202	11		27			10	18	
CIS 203	12		23				21	
CIS 204	8		27				21	
CIS 248						47		
CIS 260	10		9				17	
CIS 265	9		13			12	21	

Enrollment in the CIS Department has been steady throughout this Program Review Cycle. Even though the Covid-19 pandemic caused the need for changes in how education was delivered, the CIS Department was able to adapt easily. The CIS instructor already had an extensive knowledge of online course delivery options, which enabled him to quickly deliver rigorous and quality instruction to students until they were able to return to campus.

Correspondence education is not offered often in the CIS Department, since enrollment is restricted to only community students due to Union restrictions at the Correctional Facilities in California. Correspondence courses are offered at times during the summer term. This will need to continue to occur, since there are courses that are required for Certificates and Degrees that are not offered during the Fall or Spring semester.

Aligning the Palo Verde College Academic Calendar for its CTE programs to the Palo Verde Unified School District Calendar, has helped increase the enrollment in our CTE programs. As the table above demonstrates, enrollment in the 2021-2022 academic year is significantly increased for almost all courses.

## 14. QUALITY OF THIS PROGRAM

List core indicators, student outcomes, partnerships, certificates, degrees, articulation, faculty qualifications, diversity, grants, equipment, and refer back your responses in sections 5 – 13 to give a complete analysis of the quality of this program.

Through analysis of the SLOs identified for the courses offered during this reporting period, students have demonstrated understanding, success, and application of the SLOs identified for these courses

All courses in the CIS Department has SLOs identified for each course and program. In addition each course has its SLOs assessed on a regular basis as identified by Palo Verde College’s Instruction Office. Regular meetings are held with each CTE funded program to discuss SLO data and its impact on student success.

The CIS Department has demonstrated success in all SLOs identified within the CIS program. Rigorous and relevant SLOs have been identified, developed, assessed, and implemented within the CIS Department. Continued emphasis will be placed on the collection, implementation, and assessment of SLOs within the CIS Department.

All CIS Course Learning Outcomes (CLO) are mapped to Program Learning Outcomes (PLO) which in turn are mapped to the Institutional Learning Outcomes (ILO).

The Palo Verde College CIS Department has met or exceeded all 34 Core Indicator areas addressed in Perkins I-C funding during the 2014-18 program review update cycle.

Having a dedicated CTE counselor has helped to support students enrolled in CIS courses. The counselor’s active participation and attendance at the local high schools has led to high-quality counseling services to those students enrolled in CIS courses as well as for those students interested in learning more about Palo Verde College’s CIS course offerings.

Based on Perkins IV Core Indicator Data (2020-2021) obtained from the Chancellor’s Office (DATAMART), CIS Exceeded the negotiated levels for performance in Skill Attainment (+12.7%), Completions (+11.75%), and Non-Traditional Participation (+3,54%). During this time, COVID-19 affected enrollment as some students did not want to participate in Face-to-Face courses due to fear of catching/spreading the Covid-19 virus. In addition, many students became sick with the Covid-19 virus or were required to quarantine due to restrictions and regulations in force in the local high school. During this academic year, the majority of the students enrolled in the PVC CIS courses were high school students, as the remainder of the campus was closed for face-to-face instruction during the Fall 2020 semester. Many community students were unaware the Palo Verde College had any courses available Face-to-Face during this academic year.

Student performance in the “Persistence Core Indicator” during this time fell below the negotiated level by (-5.36%). This occurred, because some students were removed from face-to-face instruction and went on Independent Study with the local high school due to the Covid-19 pandemic. In addition, since the majority of students enrolled in the CIS courses during this time period were high school students, those who did poorly in their Core Academic courses were required to drop their college courses and retake their high school courses so that they could graduate.

Student performance in the “Employment Core Indicator” during this time fell below the negotiated level by (-27.68%). The reason for this was that almost every student enrolled in CIS courses during this period of time were high school students and were not employed in the CIS field. Students range from Sophomores to Seniors, many of which are too young to work.

## 15. FINANCIAL TRENDS

Comment on annual budgeted-vs.-actual program expenditures for each of the preceding five (5) years as to personnel salaries, benefits, supplies, contract services, capital outlay and other expenditures. Explain deviations from budget exceeding 10% of any line item. Describe plans for future budget changes. **SEE APPENDIX FOR PRIE OFFICE FINANCIALS REPRORT**

Each year, the CIS department benefits from Perkins I-C funding. In addition, the full-time instructor also has written numerous grants to help the CIS program. These grants have assisted in building the successful 3D printing program as well as maintaining the technology needed for the program to be successful. The full-time instructor obtained a donation from Maxon Inc. of software for the Computer Animation program. This donation is worth roughly \$250,000.

The CIS program spends its budget each year, does not go over, and plans ahead each year filling out the appropriate budget forms. The full-time CIS instructor will continue to need a student worker. This helps the instructor move around the room freely, instructing students.

There are also ongoing expenses for most CTE programs. This is true of the CIS Department. Equipment will need to be updated and replaced as well as supplies will need to be purchased to support the Computer Information Systems program at Palo Verde College.

## 16. REVENUE AND EXPENSES

- a. State the revenue of the program (using FTE data, grants, and anything else) for the preceding two academic years.

<u>TERM</u>	<u>FTEs*</u>	<u>RATE</u>	<u>REVENUE</u>
2020FA	15.00	\$4564.83	\$68,472.45
2021SP	27.67	\$4564.83	\$126,308.85
2021FA	36.33	\$4564.83	\$165,840.27
2022SP	33.33	\$4564.83	\$152,145.78
2022SU	2.4	\$4564.83	\$10,955.52
<b>Total Revenue Fall 2018-Summer 2022</b>			<b>\$523,722.87</b>

*\* FTES reported department-wide*

- b. State the expenses of the program (salaries, equipment purchases, contracts, and supplies) for the preceding two academic years.

**\$515,102.55**

- c. State the dollar value of in-kind contributions of time and/or resources during the preceding two academic years.

The full-time CIS Instructor secured a donation from Maxon Cinema 4D for software for its 3D Computer Animation program. 30 licenses were donated to Palo Verde College. The licenses if purchased would cost over \$4000 each. In addition, 18 month licenses were also donated to the students from Maxon so that students could use the software at home. This equals roughly \$250,000 of software donations by Maxon.

## 17. FACILITIES AND EQUIPMENT

- a. **Are current facilities, such as classrooms, offices and equipment adequate to support the program? Explain.**

During the time of this Program Review Cycle, the CIS Department moved into a new classroom and lab space. The new location allows the department to grow and flourish. Computers in the lab have been replaced with powerful computers that have the processing power, video cards, RAM, and storage to support the software utilized in the program.

In addition, a new overhead projector was installed in the classroom, and security cameras were installed.

The 3D Printing Lab allows students to work on the printers and their projects utilizing professional tools, workbenches, and supplies that are a part of this growing technology. The 3D Printing lab has grown during this Program Review Cycle to include new Makerbot Method X printers which allow for multiple filament types to be used, as well as dissolvable filament which allows students to create projects that are functional due to the dissolvable filament, such as a sealed bearing. Currently the 3D Printing lab has professional toolboxes, drill presses, belt sanders, SR30 wash tank, Dremmels, drills, and over 28 3D Printers.

The Instructor has an adequate office space, which allows the instructor to work on 3D printers and hardware. This requires a lot of space, due to the size of the 3D printers that need to be worked on.

- b. **Describe plans for future changes in facilities or equipment that would better support the program.**

The CIS Department will need to begin paying a minimal cost in order to utilize the Animation software (Cinema 4D). This has been mentioned in the Program Review Snapshot as well as budget forms for this academic year. The cost of the software is still being negotiated.

The CIS program will also need to continue to add technologies that directly relate to the courses. This may include new printers, new 3D printers, and new emerging technologies. There has also been recommendations from the Advisory Committee to implement Robotics courses at Palo Verde College. This is being researched by the full-time faculty member.

## 18. TWO YEAR PLAN

- a. **List recommendations, project future trends, personnel and equipment needs, as well as continuing and new goals. Describe activities to achieve these goals, timelines to complete these goals, and measures for evaluating success in achieving them.**
1. The CIS department will continue to need student workers to support the program. It is important to have the assistance of these positions as well as offering critical job experience opportunities for students pursuing degrees and certificates in the CIS field. The CIS department will seek funding for these positions on an ongoing basis. The student worker should have previous experience in CIS.
  2. The CIS Department also receives specialized funding such as Perkins, LOT, as well as other CTE related support. It is critical to CTE programs to have financial support as there are additional expenses associated with CTE programs. With the recent addition of a 3D printing certificate program and four new courses in 3D printing, materials and supplies will be needed on an ongoing basis to support the goals of this program. The CIS department will continue being involved in Perkins funding.
  3. The CIS Department will also continue pursuing high school enrollment. The lead CIS faculty knows the importance of offering these courses to local high school students. Continued funding for transportation of these students will be needed. The CTE faculty in CIS, AUT, WEL, and BCT offer courses 5 days a week to students. This is not the traditional college faculty work schedule. The instructors in these departments know the value of offering these courses to these students as many of them attend Palo Verde College upon graduation from high school with a Certificate or more already completed. The CIS department will continue pursuing high school enrollment and encourage administration to support the transportation costs associated with this endeavor.
  4. Continue evaluating degrees and certificates in the CIS department for rigor, need, and applicability.
  5. Continue evaluating and assessing data collected from SLO analysis.
  6. Begin developing curriculum for Robotics courses as recommended by the CTE Advisory meeting over the last 6 years.
  7. Purchase additional 3D printing related technologies to adapt to changes and improvements in the 3D Printing field of study.
  8. Continue evaluating degrees and certificates in the CIS department for rigor, need, and applicability.
  9. Continue evaluating and assessing data collected from SLO analysis.

- b. **Describe the alignment between continuing and new program goals and institutional goals and objectives stated in the current Integrated Strategic Plan, which can be found on the college website.**

The CIS program is aligned to both the institutional goals and objectives stated in the current Integrated Strategic Plan. The CIS program has CLOs, PLOs, and ILOs developed and implemented for each of its courses, programs, certificates, and degree. The CIS department is constantly working with the curriculum committee and instruction office so as to stay current and make sure its goals are aligned with the goals and outcomes of the College mission.

**COMPUTER INFORMATION SYSTEMS**  
**Reporting Fall 2018 to Spring 2022**  
**APPENDIX**

		<u>ANNUAL ENROLLMENT</u>			
Course	Measure	AY2018.19	AY2019.20	AY2020.21	AY2021.22
ACC-100	a) Starting Enrollment	156	144	136	95
ACC-100	b) Retained in Final Enrollment	136	122	122	76
ACC-100	c) Retention Rate	87.2%	84.7%	89.7%	80.0%
ACC-100	d) Success	94	93	94	57
ACC-100	e) Success Rate	69.1%	76.2%	77.0%	75.0%
BUS-201	a) Starting Enrollment	51	81	52	39
BUS-201	b) Retained in Final Enrollment	49	72	44	29
BUS-201	c) Retention Rate	96.1%	88.9%	84.6%	74.4%
BUS-201	d) Success	46	59	33	26
BUS-201	e) Success Rate	93.9%	81.9%	75.0%	89.7%
CIS-101	a) Starting Enrollment	20	33	57	0
CIS-101	b) Retained in Final Enrollment	18	29	53	0
CIS-101	c) Retention Rate	90.0%	87.9%	93.0%	0.0%
CIS-101	d) Success	11	18	45	0
CIS-101	e) Success Rate	61.1%	62.1%	84.9%	0.0%
CIS-102	a) Starting Enrollment	10	1	46	0
CIS-102	b) Retained in Final Enrollment	10	1	43	0
CIS-102	c) Retention Rate	100.0%	100.0%	93.5%	0.0%
CIS-102	d) Success	6	1	37	0
CIS-102	e) Success Rate	60.0%	100.0%	86.0%	0.0%
CIS-123	a) Starting Enrollment	10	18	26	20
CIS-123	b) Retained in Final Enrollment	10	15	26	20
CIS-123	c) Retention Rate	100.0%	83.3%	100.0%	100.0%
CIS-123	d) Success	8	10	18	13
CIS-123	e) Success Rate	80.0%	66.7%	69.2%	65.0%

CIS-124	a) Starting Enrollment	12	10	0	17
CIS-124	b) Retained in Final Enrollment	11	10	0	16
CIS-124	c) Retention Rate	91.7%	100.0%	0.0%	94.1%
CIS-124	d) Success	10	9	0	12
CIS-124	e) Success Rate	90.9%	90.0%	0.0%	75.0%
CIS-130	a) Starting Enrollment	14	16	46	20
CIS-130	b) Retained in Final Enrollment	14	11	40	20
CIS-130	c) Retention Rate	100.0%	68.8%	87.0%	100.0%
CIS-130	d) Success	11	11	38	17
CIS-130	e) Success Rate	78.6%	100.0%	95.0%	85.0%
CIS-131	a) Starting Enrollment	13	12	46	18
CIS-131	b) Retained in Final Enrollment	13	9	40	18
CIS-131	c) Retention Rate	100.0%	75.0%	87.0%	100.0%
CIS-131	d) Success	11	9	36	15
CIS-131	e) Success Rate	84.6%	100.0%	90.0%	83.3%
CIS-132	a) Starting Enrollment	15	9	0	16
CIS-132	b) Retained in Final Enrollment	14	8	0	16
CIS-132	c) Retention Rate	93.3%	88.9%	0.0%	100.0%
CIS-132	d) Success	9	7	0	14
CIS-132	e) Success Rate	64.3%	87.5%	0.0%	87.5%
CIS-133	a) Starting Enrollment	14	10	0	16
CIS-133	b) Retained in Final Enrollment	13	9	0	16
CIS-133	c) Retention Rate	92.9%	90.0%	0.0%	100.0%
CIS-133	d) Success	11	9	0	12
CIS-133	e) Success Rate	84.6%	100.0%	0.0%	75.0%
CIS-201	a) Starting Enrollment	11	26	24	18
CIS-201	b) Retained in Final Enrollment	11	25	22	18
CIS-201	c) Retention Rate	100.0%	96.2%	91.7%	100.0%
CIS-201	d) Success	8	23	10	18
CIS-201	e) Success Rate	72.7%	92.0%	45.5%	100.0%



CIS-202	a) Starting Enrollment	11	27	20	18
CIS-202	b) Retained in Final Enrollment	11	27	18	18
CIS-202	c) Retention Rate	100.0%	100.0%	90.0%	100.0%
CIS-202	d) Success	8	26	10	18
CIS-202	e) Success Rate	72.7%	96.3%	55.6%	100.0%
CIS-203	a) Starting Enrollment	12	23	0	21
CIS-203	b) Retained in Final Enrollment	12	21	0	21
CIS-203	c) Retention Rate	100.0%	91.3%	0.0%	100.0%
CIS-203	d) Success	11	19	0	17
CIS-203	e) Success Rate	91.7%	90.5%	0.0%	81.0%
CIS-204	a) Starting Enrollment	8	27	0	21
CIS-204	b) Retained in Final Enrollment	8	25	0	21
CIS-204	c) Retention Rate	100.0%	92.6%	0.0%	100.0%
CIS-204	d) Success	7	23	0	17
CIS-204	e) Success Rate	87.5%	92.0%	0.0%	81.0%
CIS-248	a) Starting Enrollment	0	1	47	0
CIS-248	b) Retained in Final Enrollment	0	1	44	0
CIS-248	c) Retention Rate	0.0%	100.0%	93.6%	0.0%
CIS-248	d) Success	0	1	38	0
CIS-248	e) Success Rate	0.0%	100.0%	86.4%	0.0%
CIS-260	a) Starting Enrollment	10	9	0	17
CIS-260	b) Retained in Final Enrollment	8	9	0	16
CIS-260	c) Retention Rate	80.0%	100.0%	0.0%	94.1%
CIS-260	d) Success	6	8	0	12
CIS-260	e) Success Rate	75.0%	88.9%	0.0%	75.0%
CIS-265	a) Starting Enrollment	9	13	24	21
CIS-265	b) Retained in Final Enrollment	8	10	24	21
CIS-265	c) Retention Rate	88.9%	76.9%	100.0%	100.0%
CIS-265	d) Success	5	7	16	14
CIS-265	e) Success Rate	62.5%	70.0%	66.7%	66.7%

MAN-105	a) Starting Enrollment	74	221	118	150
MAN-105	b) Retained in Final Enrollment	69	180	102	125
MAN-105	c) Retention Rate	93.2%	81.4%	86.4%	83.3%
MAN-105	d) Success	64	129	78	99
MAN-105	e) Success Rate	92.8%	71.7%	76.5%	79.2%
MAN-106	a) Starting Enrollment	73	86	133	71
MAN-106	b) Retained in Final Enrollment	64	80	122	64
MAN-106	c) Retention Rate	87.7%	93.0%	91.7%	90.1%
MAN-106	d) Success	60	69	110	37
MAN-106	e) Success Rate	93.8%	86.3%	90.2%	57.8%
MAN-107	a) Starting Enrollment	52	104	188	86
MAN-107	b) Retained in Final Enrollment	46	95	167	73
MAN-107	c) Retention Rate	88.5%	91.3%	88.8%	84.9%
MAN-107	d) Success	38	83	130	66
MAN-107	e) Success Rate	82.6%	87.4%	77.8%	90.4%

		<b>FALL TERM ENROLLMENT</b>			
<b>Course</b>	<b>Measure</b>	<b>AY2018.19</b>	<b>AY2019.20</b>	<b>AY2020.21</b>	<b>AY2021.22</b>
ACC-100	a) Starting Enrollment	73	73	84	54
ACC-100	b) Retained in Final Enrollment	64	63	75	41
ACC-100	c) Retention Rate	87.7%	86.3%	89.3%	75.9%
ACC-100	d) Success	40	46	64	27
ACC-100	e) Success Rate	62.5%	73.0%	85.3%	65.9%
BUS-201	a) Starting Enrollment	24	42	52	39
BUS-201	b) Retained in Final Enrollment	22	34	44	29
BUS-201	c) Retention Rate	91.7%	81.0%	84.6%	74.4%
BUS-201	d) Success	22	26	33	26
BUS-201	e) Success Rate	100.0%	76.5%	75.0%	89.7%
CIS-101	a) Starting Enrollment	20	22	57	0
CIS-101	b) Retained in Final Enrollment	18	20	53	0
CIS-101	c) Retention Rate	90.0%	90.9%	93.0%	0.0%
CIS-101	d) Success	11	14	45	0
CIS-101	e) Success Rate	61.1%	70.0%	84.9%	0.0%
CIS-102	a) Starting Enrollment	10	0	46	0
CIS-102	b) Retained in Final Enrollment	10	0	43	0
CIS-102	c) Retention Rate	100.0%	0.0%	93.5%	0.0%
CIS-102	d) Success	6	0	37	0
CIS-102	e) Success Rate	60.0%	0.0%	86.0%	0.0%
CIS-123	a) Starting Enrollment	10	18	0	20
CIS-123	b) Retained in Final Enrollment	10	15	0	20
CIS-123	c) Retention Rate	100.0%	83.3%	0.0%	100.0%
CIS-123	d) Success	8	10	0	13
CIS-123	e) Success Rate	80.0%	66.7%	0.0%	65.0%
CIS-124	a) Starting Enrollment	0	0	0	0
CIS-124	b) Retained in Final Enrollment	0	0	0	0
CIS-124	c) Retention Rate	0.0%	0.0%	0.0%	0.0%

CIS-124	d) Success	0	0	0	0
CIS-124	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-130	a) Starting Enrollment	14	16	0	20
CIS-130	b) Retained in Final Enrollment	14	11	0	20
CIS-130	c) Retention Rate	100.0%	68.8%	0.0%	100.0%
CIS-130	d) Success	11	11	0	17
CIS-130	e) Success Rate	78.6%	100.0%	0.0%	85.0%
CIS-131	a) Starting Enrollment	13	12	0	18
CIS-131	b) Retained in Final Enrollment	13	9	0	18
CIS-131	c) Retention Rate	100.0%	75.0%	0.0%	100.0%
CIS-131	d) Success	11	9	0	15
CIS-131	e) Success Rate	84.6%	100.0%	0.0%	83.3%
CIS-132	a) Starting Enrollment	0	0	0	0
CIS-132	b) Retained in Final Enrollment	0	0	0	0
CIS-132	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-132	d) Success	0	0	0	0
CIS-132	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-133	a) Starting Enrollment	0	0	0	0
CIS-133	b) Retained in Final Enrollment	0	0	0	0
CIS-133	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-133	d) Success	0	0	0	0
CIS-133	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-201	a) Starting Enrollment	11	26	0	18
CIS-201	b) Retained in Final Enrollment	11	25	0	18
CIS-201	c) Retention Rate	100.0%	96.2%	0.0%	100.0%
CIS-201	d) Success	8	23	0	18
CIS-201	e) Success Rate	72.7%	92.0%	0.0%	100.0%
CIS-202	a) Starting Enrollment	11	27	0	18
CIS-202	b) Retained in Final Enrollment	11	27	0	18
CIS-202	c) Retention Rate	100.0%	100.0%	0.0%	100.0%

CIS-202	d) Success	8	26	0	18
CIS-202	e) Success Rate	72.7%	96.3%	0.0%	100.0%
CIS-203	a) Starting Enrollment	0	0	0	0
CIS-203	b) Retained in Final Enrollment	0	0	0	0
CIS-203	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-203	d) Success	0	0	0	0
CIS-203	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-204	a) Starting Enrollment	0	2	0	0
CIS-204	b) Retained in Final Enrollment	0	2	0	0
CIS-204	c) Retention Rate	0.0%	100.0%	0.0%	0.0%
CIS-204	d) Success	0	2	0	0
CIS-204	e) Success Rate	0.0%	100.0%	0.0%	0.0%
CIS-248	a) Starting Enrollment	0	0	47	0
CIS-248	b) Retained in Final Enrollment	0	0	44	0
CIS-248	c) Retention Rate	0.0%	0.0%	93.6%	0.0%
CIS-248	d) Success	0	0	38	0
CIS-248	e) Success Rate	0.0%	0.0%	86.4%	0.0%
CIS-260	a) Starting Enrollment	0	0	0	0
CIS-260	b) Retained in Final Enrollment	0	0	0	0
CIS-260	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-260	d) Success	0	0	0	0
CIS-260	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-265	a) Starting Enrollment	9	13	0	21
CIS-265	b) Retained in Final Enrollment	8	10	0	21
CIS-265	c) Retention Rate	88.9%	76.9%	0.0%	100.0%
CIS-265	d) Success	5	7	0	14
CIS-265	e) Success Rate	62.5%	70.0%	0.0%	66.7%
MAN-105	a) Starting Enrollment	38	94	52	69
MAN-105	b) Retained in Final Enrollment	35	77	46	57
MAN-105	c) Retention Rate	92.1%	81.9%	88.5%	82.6%

MAN-105	d) Success	34	60	36	49
MAN-105	e) Success Rate	97.1%	77.9%	78.3%	86.0%
MAN-106	a) Starting Enrollment	34	37	67	42
MAN-106	b) Retained in Final Enrollment	30	34	61	40
MAN-106	c) Retention Rate	88.2%	91.9%	91.0%	95.2%
MAN-106	d) Success	26	33	54	21
MAN-106	e) Success Rate	86.7%	97.1%	88.5%	52.5%
MAN-107	a) Starting Enrollment	0	60	97	26
MAN-107	b) Retained in Final Enrollment	0	52	87	22
MAN-107	c) Retention Rate	0.0%	86.7%	89.7%	84.6%
MAN-107	d) Success	0	45	65	21
MAN-107	e) Success Rate	0.0%	86.5%	74.7%	95.5%

<b>SPRING TERM ENROLLMENT</b>					
<b>Course</b>	<b>Measure</b>	<b>AY2018.19</b>	<b>AY2019.20</b>	<b>AY2020.21</b>	<b>AY2021.22</b>
ACC-100	a) Starting Enrollment	83	71	52	41
ACC-100	b) Retained in Final Enrollment	72	59	47	35
ACC-100	c) Retention Rate	86.7%	83.1%	90.4%	85.4%
ACC-100	d) Success	54	47	30	30
ACC-100	e) Success Rate	75.0%	79.7%	63.8%	85.7%
BUS-201	a) Starting Enrollment	27	39	0	0
BUS-201	b) Retained in Final Enrollment	27	38	0	0
BUS-201	c) Retention Rate	100.0%	97.4%	0.0%	0.0%
BUS-201	d) Success	24	33	0	0
BUS-201	e) Success Rate	88.9%	86.8%	0.0%	0.0%
CIS-101	a) Starting Enrollment	0	11	0	0
CIS-101	b) Retained in Final Enrollment	0	9	0	0
CIS-101	c) Retention Rate	0.0%	81.8%	0.0%	0.0%
CIS-101	d) Success	0	4	0	0
CIS-101	e) Success Rate	0.0%	44.4%	0.0%	0.0%
CIS-102	a) Starting Enrollment	0	1	0	0
CIS-102	b) Retained in Final Enrollment	0	1	0	0
CIS-102	c) Retention Rate	0.0%	100.0%	0.0%	0.0%
CIS-102	d) Success	0	1	0	0
CIS-102	e) Success Rate	0.0%	100.0%	0.0%	0.0%
CIS-123	a) Starting Enrollment	0	0	26	0
CIS-123	b) Retained in Final Enrollment	0	0	26	0
CIS-123	c) Retention Rate	0.0%	0.0%	100.0%	0.0%
CIS-123	d) Success	0	0	18	0
CIS-123	e) Success Rate	0.0%	0.0%	69.2%	0.0%
CIS-124	a) Starting Enrollment	12	10	0	17
CIS-124	b) Retained in Final Enrollment	11	10	0	16
CIS-124	c) Retention Rate	91.7%	100.0%	0.0%	94.1%

CIS-124	d) Success	10	9	0	12
CIS-124	e) Success Rate	90.9%	90.0%	0.0%	75.0%
CIS-130	a) Starting Enrollment	0	0	46	0
CIS-130	b) Retained in Final Enrollment	0	0	40	0
CIS-130	c) Retention Rate	0.0%	0.0%	87.0%	0.0%
CIS-130	d) Success	0	0	38	0
CIS-130	e) Success Rate	0.0%	0.0%	95.0%	0.0%
CIS-131	a) Starting Enrollment	0	0	46	0
CIS-131	b) Retained in Final Enrollment	0	0	40	0
CIS-131	c) Retention Rate	0.0%	0.0%	87.0%	0.0%
CIS-131	d) Success	0	0	36	0
CIS-131	e) Success Rate	0.0%	0.0%	90.0%	0.0%
CIS-132	a) Starting Enrollment	15	9	0	16
CIS-132	b) Retained in Final Enrollment	14	8	0	16
CIS-132	c) Retention Rate	93.3%	88.9%	0.0%	100.0%
CIS-132	d) Success	9	7	0	14
CIS-132	e) Success Rate	64.3%	87.5%	0.0%	87.5%
CIS-133	a) Starting Enrollment	14	10	0	16
CIS-133	b) Retained in Final Enrollment	13	9	0	16
CIS-133	c) Retention Rate	92.9%	90.0%	0.0%	100.0%
CIS-133	d) Success	11	9	0	12
CIS-133	e) Success Rate	84.6%	100.0%	0.0%	75.0%
CIS-201	a) Starting Enrollment	0	0	24	0
CIS-201	b) Retained in Final Enrollment	0	0	22	0
CIS-201	c) Retention Rate	0.0%	0.0%	91.7%	0.0%
CIS-201	d) Success	0	0	10	0
CIS-201	e) Success Rate	0.0%	0.0%	45.5%	0.0%
CIS-202	a) Starting Enrollment	0	0	20	0
CIS-202	b) Retained in Final Enrollment	0	0	18	0
CIS-202	c) Retention Rate	0.0%	0.0%	90.0%	0.0%



CIS-202	d) Success	0	0	10	0
CIS-202	e) Success Rate	0.0%	0.0%	55.6%	0.0%
CIS-203	a) Starting Enrollment	12	23	0	21
CIS-203	b) Retained in Final Enrollment	12	21	0	21
CIS-203	c) Retention Rate	100.0%	91.3%	0.0%	100.0%
CIS-203	d) Success	11	19	0	17
CIS-203	e) Success Rate	91.7%	90.5%	0.0%	81.0%
CIS-204	a) Starting Enrollment	8	25	0	21
CIS-204	b) Retained in Final Enrollment	8	23	0	21
CIS-204	c) Retention Rate	100.0%	92.0%	0.0%	100.0%
CIS-204	d) Success	7	21	0	17
CIS-204	e) Success Rate	87.5%	91.3%	0.0%	81.0%
CIS-248	a) Starting Enrollment	0	1	0	0
CIS-248	b) Retained in Final Enrollment	0	1	0	0
CIS-248	c) Retention Rate	0.0%	100.0%	0.0%	0.0%
CIS-248	d) Success	0	1	0	0
CIS-248	e) Success Rate	0.0%	100.0%	0.0%	0.0%
CIS-260	a) Starting Enrollment	10	9	0	17
CIS-260	b) Retained in Final Enrollment	8	9	0	16
CIS-260	c) Retention Rate	80.0%	100.0%	0.0%	94.1%
CIS-260	d) Success	6	8	0	12
CIS-260	e) Success Rate	75.0%	88.9%	0.0%	75.0%
CIS-265	a) Starting Enrollment	0	0	24	0
CIS-265	b) Retained in Final Enrollment	0	0	24	0
CIS-265	c) Retention Rate	0.0%	0.0%	100.0%	0.0%
CIS-265	d) Success	0	0	16	0
CIS-265	e) Success Rate	0.0%	0.0%	66.7%	0.0%
MAN-105	a) Starting Enrollment	36	127	66	81
MAN-105	b) Retained in Final Enrollment	34	103	56	68
MAN-105	c) Retention Rate	94.4%	81.1%	84.8%	84.0%

MAN-105	d) Success	30	69	42	50
MAN-105	e) Success Rate	88.2%	67.0%	75.0%	73.5%
MAN-106	a) Starting Enrollment	39	49	66	29
MAN-106	b) Retained in Final Enrollment	34	46	61	24
MAN-106	c) Retention Rate	87.2%	93.9%	92.4%	82.8%
MAN-106	d) Success	34	36	56	16
MAN-106	e) Success Rate	100.0%	78.3%	91.8%	66.7%
MAN-107	a) Starting Enrollment	52	44	91	60
MAN-107	b) Retained in Final Enrollment	46	43	80	51
MAN-107	c) Retention Rate	88.5%	97.7%	87.9%	85.0%
MAN-107	d) Success	38	38	65	45
MAN-107	e) Success Rate	82.6%	88.4%	81.2%	88.2%

<b>ANNUAL FACE-TO-FACE ENROLLMENT</b>					
<b>Course</b>	<b>Measure</b>	<b>AY2018.19</b>	<b>AY2019.20</b>	<b>AY2020.21</b>	<b>AY2021.22</b>
ACC-100	a) Starting Enrollment	20	19	0	0
ACC-100	b) Retained in Final Enrollment	16	15	0	0
ACC-100	c) Retention Rate	80.0%	78.9%	0.0%	0.0%
ACC-100	d) Success	8	10	0	0
ACC-100	e) Success Rate	50.0%	66.7%	0.0%	0.0%
BUS-201	a) Starting Enrollment	0	0	0	0
BUS-201	b) Retained in Final Enrollment	0	0	0	0
BUS-201	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
BUS-201	d) Success	0	0	0	0
BUS-201	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-101	a) Starting Enrollment	0	0	0	0
CIS-101	b) Retained in Final Enrollment	0	0	0	0
CIS-101	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-101	d) Success	0	0	0	0
CIS-101	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-102	a) Starting Enrollment	0	1	0	0
CIS-102	b) Retained in Final Enrollment	0	1	0	0
CIS-102	c) Retention Rate	0.0%	100.0%	0.0%	0.0%
CIS-102	d) Success	0	1	0	0
CIS-102	e) Success Rate	0.0%	100.0%	0.0%	0.0%
CIS-123	a) Starting Enrollment	10	18	0	20
CIS-123	b) Retained in Final Enrollment	10	15	0	20
CIS-123	c) Retention Rate	100.0%	83.3%	0.0%	100.0%
CIS-123	d) Success	8	10	0	13
CIS-123	e) Success Rate	80.0%	66.7%	0.0%	65.0%
CIS-124	a) Starting Enrollment	12	10	0	17
CIS-124	b) Retained in Final Enrollment	11	10	0	16
CIS-124	c) Retention Rate	91.7%	100.0%	0.0%	94.1%

CIS-124	d) Success	10	9	0	12
CIS-124	e) Success Rate	90.9%	90.0%	0.0%	75.0%
CIS-130	a) Starting Enrollment	14	16	0	20
CIS-130	b) Retained in Final Enrollment	14	11	0	20
CIS-130	c) Retention Rate	100.0%	68.8%	0.0%	100.0%
CIS-130	d) Success	11	11	0	17
CIS-130	e) Success Rate	78.6%	100.0%	0.0%	85.0%
CIS-131	a) Starting Enrollment	13	12	0	18
CIS-131	b) Retained in Final Enrollment	13	9	0	18
CIS-131	c) Retention Rate	100.0%	75.0%	0.0%	100.0%
CIS-131	d) Success	11	9	0	15
CIS-131	e) Success Rate	84.6%	100.0%	0.0%	83.3%
CIS-132	a) Starting Enrollment	15	9	0	16
CIS-132	b) Retained in Final Enrollment	14	8	0	16
CIS-132	c) Retention Rate	93.3%	88.9%	0.0%	100.0%
CIS-132	d) Success	9	7	0	14
CIS-132	e) Success Rate	64.3%	87.5%	0.0%	87.5%
CIS-133	a) Starting Enrollment	14	10	0	16
CIS-133	b) Retained in Final Enrollment	13	9	0	16
CIS-133	c) Retention Rate	92.9%	90.0%	0.0%	100.0%
CIS-133	d) Success	11	9	0	12
CIS-133	e) Success Rate	84.6%	100.0%	0.0%	75.0%
CIS-201	a) Starting Enrollment	11	26	0	18
CIS-201	b) Retained in Final Enrollment	11	25	0	18
CIS-201	c) Retention Rate	100.0%	96.2%	0.0%	100.0%
CIS-201	d) Success	8	23	0	18
CIS-201	e) Success Rate	72.7%	92.0%	0.0%	100.0%
CIS-202	a) Starting Enrollment	11	27	0	18
CIS-202	b) Retained in Final Enrollment	11	27	0	18
CIS-202	c) Retention Rate	100.0%	100.0%	0.0%	100.0%

CIS-202	d) Success	8	26	0	18
CIS-202	e) Success Rate	72.7%	96.3%	0.0%	100.0%
CIS-203	a) Starting Enrollment	12	23	0	21
CIS-203	b) Retained in Final Enrollment	12	21	0	21
CIS-203	c) Retention Rate	100.0%	91.3%	0.0%	100.0%
CIS-203	d) Success	11	19	0	17
CIS-203	e) Success Rate	91.7%	90.5%	0.0%	81.0%
CIS-204	a) Starting Enrollment	8	27	0	21
CIS-204	b) Retained in Final Enrollment	8	25	0	21
CIS-204	c) Retention Rate	100.0%	92.6%	0.0%	100.0%
CIS-204	d) Success	7	23	0	17
CIS-204	e) Success Rate	87.5%	92.0%	0.0%	81.0%
CIS-248	a) Starting Enrollment	0	1	0	0
CIS-248	b) Retained in Final Enrollment	0	1	0	0
CIS-248	c) Retention Rate	0.0%	100.0%	0.0%	0.0%
CIS-248	d) Success	0	1	0	0
CIS-248	e) Success Rate	0.0%	100.0%	0.0%	0.0%
CIS-260	a) Starting Enrollment	10	9	0	17
CIS-260	b) Retained in Final Enrollment	8	9	0	16
CIS-260	c) Retention Rate	80.0%	100.0%	0.0%	94.1%
CIS-260	d) Success	6	8	0	12
CIS-260	e) Success Rate	75.0%	88.9%	0.0%	75.0%
CIS-265	a) Starting Enrollment	9	13	0	21
CIS-265	b) Retained in Final Enrollment	8	10	0	21
CIS-265	c) Retention Rate	88.9%	76.9%	0.0%	100.0%
CIS-265	d) Success	5	7	0	14
CIS-265	e) Success Rate	62.5%	70.0%	0.0%	66.7%
MAN-105	a) Starting Enrollment	0	0	0	0
MAN-105	b) Retained in Final Enrollment	0	0	0	0
MAN-105	c) Retention Rate	0.0%	0.0%	0.0%	0.0%

MAN-105	d) Success	0	0	0	0
MAN-105	e) Success Rate	0.0%	0.0%	0.0%	0.0%
MAN-106	a) Starting Enrollment	0	0	0	0
MAN-106	b) Retained in Final Enrollment	0	0	0	0
MAN-106	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
MAN-106	d) Success	0	0	0	0
MAN-106	e) Success Rate	0.0%	0.0%	0.0%	0.0%
MAN-107	a) Starting Enrollment	0	0	0	0
MAN-107	b) Retained in Final Enrollment	0	0	0	0
MAN-107	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
MAN-107	d) Success	0	0	0	0
MAN-107	e) Success Rate	0.0%	0.0%	0.0%	0.0%

<b>ANNUAL ONLINE ENROLLMENT</b>					
<b>Course</b>	<b>Measure</b>	<b>AY2018.19</b>	<b>AY2019.20</b>	<b>AY2020.21</b>	<b>AY2021.22</b>
ACC-100	a) Starting Enrollment	0	0	14	0
ACC-100	b) Retained in Final Enrollment	0	0	10	0
ACC-100	c) Retention Rate	0.0%	0.0%	71.4%	0.0%
ACC-100	d) Success	0	0	2	0
ACC-100	e) Success Rate	0.0%	0.0%	20.0%	0.0%
BUS-201	a) Starting Enrollment	0	0	0	0
BUS-201	b) Retained in Final Enrollment	0	0	0	0
BUS-201	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
BUS-201	d) Success	0	0	0	0
BUS-201	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-101	a) Starting Enrollment	0	0	0	0
CIS-101	b) Retained in Final Enrollment	0	0	0	0
CIS-101	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-101	d) Success	0	0	0	0
CIS-101	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-102	a) Starting Enrollment	10	0	0	0
CIS-102	b) Retained in Final Enrollment	10	0	0	0
CIS-102	c) Retention Rate	100.0%	0.0%	0.0%	0.0%
CIS-102	d) Success	6	0	0	0
CIS-102	e) Success Rate	60.0%	0.0%	0.0%	0.0%
CIS-123	a) Starting Enrollment	0	0	13	0
CIS-123	b) Retained in Final Enrollment	0	0	13	0
CIS-123	c) Retention Rate	0.0%	0.0%	100.0%	0.0%
CIS-123	d) Success	0	0	9	0
CIS-123	e) Success Rate	0.0%	0.0%	69.2%	0.0%
CIS-124	a) Starting Enrollment	0	0	0	0
CIS-124	b) Retained in Final Enrollment	0	0	0	0
CIS-124	c) Retention Rate	0.0%	0.0%	0.0%	0.0%

CIS-124	d) Success	0	0	0	0
CIS-124	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-130	a) Starting Enrollment	0	0	23	0
CIS-130	b) Retained in Final Enrollment	0	0	20	0
CIS-130	c) Retention Rate	0.0%	0.0%	87.0%	0.0%
CIS-130	d) Success	0	0	19	0
CIS-130	e) Success Rate	0.0%	0.0%	95.0%	0.0%
CIS-131	a) Starting Enrollment	0	0	23	0
CIS-131	b) Retained in Final Enrollment	0	0	20	0
CIS-131	c) Retention Rate	0.0%	0.0%	87.0%	0.0%
CIS-131	d) Success	0	0	18	0
CIS-131	e) Success Rate	0.0%	0.0%	90.0%	0.0%
CIS-132	a) Starting Enrollment	0	0	0	0
CIS-132	b) Retained in Final Enrollment	0	0	0	0
CIS-132	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-132	d) Success	0	0	0	0
CIS-132	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-133	a) Starting Enrollment	0	0	0	0
CIS-133	b) Retained in Final Enrollment	0	0	0	0
CIS-133	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-133	d) Success	0	0	0	0
CIS-133	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-201	a) Starting Enrollment	0	0	12	0
CIS-201	b) Retained in Final Enrollment	0	0	11	0
CIS-201	c) Retention Rate	0.0%	0.0%	91.7%	0.0%
CIS-201	d) Success	0	0	5	0
CIS-201	e) Success Rate	0.0%	0.0%	45.5%	0.0%
CIS-202	a) Starting Enrollment	0	0	10	0
CIS-202	b) Retained in Final Enrollment	0	0	9	0
CIS-202	c) Retention Rate	0.0%	0.0%	90.0%	0.0%



CIS-202	d) Success	0	0	5	0
CIS-202	e) Success Rate	0.0%	0.0%	55.6%	0.0%
CIS-203	a) Starting Enrollment	0	0	0	0
CIS-203	b) Retained in Final Enrollment	0	0	0	0
CIS-203	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-203	d) Success	0	0	0	0
CIS-203	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-204	a) Starting Enrollment	0	0	0	0
CIS-204	b) Retained in Final Enrollment	0	0	0	0
CIS-204	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-204	d) Success	0	0	0	0
CIS-204	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-248	a) Starting Enrollment	0	0	0	0
CIS-248	b) Retained in Final Enrollment	0	0	0	0
CIS-248	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-248	d) Success	0	0	0	0
CIS-248	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-260	a) Starting Enrollment	0	0	0	0
CIS-260	b) Retained in Final Enrollment	0	0	0	0
CIS-260	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-260	d) Success	0	0	0	0
CIS-260	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-265	a) Starting Enrollment	0	0	12	0
CIS-265	b) Retained in Final Enrollment	0	0	12	0
CIS-265	c) Retention Rate	0.0%	0.0%	100.0%	0.0%
CIS-265	d) Success	0	0	8	0
CIS-265	e) Success Rate	0.0%	0.0%	66.7%	0.0%
MAN-105	a) Starting Enrollment	0	0	0	0
MAN-105	b) Retained in Final Enrollment	0	0	0	0
MAN-105	c) Retention Rate	0.0%	0.0%	0.0%	0.0%

MAN-105	d) Success	0	0	0	0
MAN-105	e) Success Rate	0.0%	0.0%	0.0%	0.0%
MAN-106	a) Starting Enrollment	0	0	0	0
MAN-106	b) Retained in Final Enrollment	0	0	0	0
MAN-106	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
MAN-106	d) Success	0	0	0	0
MAN-106	e) Success Rate	0.0%	0.0%	0.0%	0.0%
MAN-107	a) Starting Enrollment	0	0	0	0
MAN-107	b) Retained in Final Enrollment	0	0	0	0
MAN-107	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
MAN-107	d) Success	0	0	0	0
MAN-107	e) Success Rate	0.0%	0.0%	0.0%	0.0%

<b>ANNUAL CORRESPONDENCE ENROLLMENT</b>					
<b>Course</b>	<b>Measure</b>	<b>AY2018.19</b>	<b>AY2019.20</b>	<b>AY2020.21</b>	<b>AY2021.22</b>
ACC-100	a) Starting Enrollment	136	125	122	95
ACC-100	b) Retained in Final Enrollment	120	107	112	76
ACC-100	c) Retention Rate	88.2%	85.6%	91.8%	80.0%
ACC-100	d) Success	86	83	92	57
ACC-100	e) Success Rate	71.7%	77.6%	82.1%	75.0%
BUS-201	a) Starting Enrollment	51	81	52	39
BUS-201	b) Retained in Final Enrollment	49	72	44	29
BUS-201	c) Retention Rate	96.1%	88.9%	84.6%	74.4%
BUS-201	d) Success	46	59	33	26
BUS-201	e) Success Rate	93.9%	81.9%	75.0%	89.7%
CIS-101	a) Starting Enrollment	20	33	57	0
CIS-101	b) Retained in Final Enrollment	18	29	53	0
CIS-101	c) Retention Rate	90.0%	87.9%	93.0%	0.0%
CIS-101	d) Success	11	18	45	0
CIS-101	e) Success Rate	61.1%	62.1%	84.9%	0.0%
CIS-102	a) Starting Enrollment	0	0	46	0
CIS-102	b) Retained in Final Enrollment	0	0	43	0
CIS-102	c) Retention Rate	0.0%	0.0%	93.5%	0.0%
CIS-102	d) Success	0	0	37	0
CIS-102	e) Success Rate	0.0%	0.0%	86.0%	0.0%
CIS-123	a) Starting Enrollment	0	0	13	0
CIS-123	b) Retained in Final Enrollment	0	0	13	0
CIS-123	c) Retention Rate	0.0%	0.0%	100.0%	0.0%
CIS-123	d) Success	0	0	9	0
CIS-123	e) Success Rate	0.0%	0.0%	69.2%	0.0%
CIS-124	a) Starting Enrollment	0	0	0	0
CIS-124	b) Retained in Final Enrollment	0	0	0	0
CIS-124	c) Retention Rate	0.0%	0.0%	0.0%	0.0%

CIS-124	d) Success	0	0	0	0
CIS-124	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-130	a) Starting Enrollment	0	0	23	0
CIS-130	b) Retained in Final Enrollment	0	0	20	0
CIS-130	c) Retention Rate	0.0%	0.0%	87.0%	0.0%
CIS-130	d) Success	0	0	19	0
CIS-130	e) Success Rate	0.0%	0.0%	95.0%	0.0%
CIS-131	a) Starting Enrollment	0	0	23	0
CIS-131	b) Retained in Final Enrollment	0	0	20	0
CIS-131	c) Retention Rate	0.0%	0.0%	87.0%	0.0%
CIS-131	d) Success	0	0	18	0
CIS-131	e) Success Rate	0.0%	0.0%	90.0%	0.0%
CIS-132	a) Starting Enrollment	0	0	0	0
CIS-132	b) Retained in Final Enrollment	0	0	0	0
CIS-132	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-132	d) Success	0	0	0	0
CIS-132	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-133	a) Starting Enrollment	0	0	0	0
CIS-133	b) Retained in Final Enrollment	0	0	0	0
CIS-133	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-133	d) Success	0	0	0	0
CIS-133	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-201	a) Starting Enrollment	0	0	12	0
CIS-201	b) Retained in Final Enrollment	0	0	11	0
CIS-201	c) Retention Rate	0.0%	0.0%	91.7%	0.0%
CIS-201	d) Success	0	0	5	0
CIS-201	e) Success Rate	0.0%	0.0%	45.5%	0.0%
CIS-202	a) Starting Enrollment	0	0	10	0
CIS-202	b) Retained in Final Enrollment	0	0	9	0
CIS-202	c) Retention Rate	0.0%	0.0%	90.0%	0.0%

CIS-202	d) Success	0	0	5	0
CIS-202	e) Success Rate	0.0%	0.0%	55.6%	0.0%
CIS-203	a) Starting Enrollment	0	0	0	0
CIS-203	b) Retained in Final Enrollment	0	0	0	0
CIS-203	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-203	d) Success	0	0	0	0
CIS-203	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-204	a) Starting Enrollment	0	0	0	0
CIS-204	b) Retained in Final Enrollment	0	0	0	0
CIS-204	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-204	d) Success	0	0	0	0
CIS-204	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-248	a) Starting Enrollment	0	0	47	0
CIS-248	b) Retained in Final Enrollment	0	0	44	0
CIS-248	c) Retention Rate	0.0%	0.0%	93.6%	0.0%
CIS-248	d) Success	0	0	38	0
CIS-248	e) Success Rate	0.0%	0.0%	86.4%	0.0%
CIS-260	a) Starting Enrollment	0	0	0	0
CIS-260	b) Retained in Final Enrollment	0	0	0	0
CIS-260	c) Retention Rate	0.0%	0.0%	0.0%	0.0%
CIS-260	d) Success	0	0	0	0
CIS-260	e) Success Rate	0.0%	0.0%	0.0%	0.0%
CIS-265	a) Starting Enrollment	0	0	12	0
CIS-265	b) Retained in Final Enrollment	0	0	12	0
CIS-265	c) Retention Rate	0.0%	0.0%	100.0%	0.0%
CIS-265	d) Success	0	0	8	0
CIS-265	e) Success Rate	0.0%	0.0%	66.7%	0.0%
MAN-105	a) Starting Enrollment	74	221	118	150
MAN-105	b) Retained in Final Enrollment	69	180	102	125
MAN-105	c) Retention Rate	93.2%	81.4%	86.4%	83.3%

MAN-105	d) Success	64	129	78	99
MAN-105	e) Success Rate	92.8%	71.7%	76.5%	79.2%
MAN-106	a) Starting Enrollment	73	86	133	71
MAN-106	b) Retained in Final Enrollment	64	80	122	64
MAN-106	c) Retention Rate	87.7%	93.0%	91.7%	90.1%
MAN-106	d) Success	60	69	110	37
MAN-106	e) Success Rate	93.8%	86.3%	90.2%	57.8%
MAN-107	a) Starting Enrollment	52	104	188	86
MAN-107	b) Retained in Final Enrollment	46	95	167	73
MAN-107	c) Retention Rate	88.5%	91.3%	88.8%	84.9%
MAN-107	d) Success	38	83	130	66
MAN-107	e) Success Rate	82.6%	87.4%	77.8%	90.4%

## FINANCIALS REPORT

Object.Type	Measure	AY2017-18	AY2018-19	AY2019-20	AY2020-21	AY2021-22
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED INSTRUCTIONAL SUPPLIES	a) REVISED BUDGET	\$8,250.97	\$12,598.34	\$19,735.62	\$12,505.23	\$38,935.36
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED INSTRUCTIONAL SUPPLIES	b) SPENDING	(\$9,862.17)	(\$14,772.83)	(\$19,735.62)	(\$12,164.94)	(\$37,059.89)
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED INSTRUCTIONAL SUPPLIES	c) DEVIATION	19.5%	17.3%	0.0%	-2.7%	-4.8%
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED OTHER OPERATING EXPENSES AND SERVICES	a) REVISED BUDGET	\$2,500.00	\$2,500.00	\$0.00	\$2,755.00	\$1,558.80
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED OTHER OPERATING EXPENSES AND SERVICES	b) SPENDING	\$0.00	(\$1,620.00)	\$0.00	(\$1,455.00)	(\$1,558.80)
EQUIPMENT AND SUPPLIES - LOCALLY DEFINED OTHER OPERATING EXPENSES AND SERVICES	c) DEVIATION	-100.0%	-35.2%	0.0%	-47.2%	0.0%
EQUIPMENT AND SUPPLIES - MEDIA EQUIPMENT	a) REVISED BUDGET	\$3,000.00	\$2,179.36	\$5,881.09	\$3,312.93	\$67,316.73
EQUIPMENT AND SUPPLIES - MEDIA EQUIPMENT	b) SPENDING	(\$3,001.91)	(\$2,179.36)	(\$5,881.09)	(\$3,312.93)	(\$67,316.73)
EQUIPMENT AND SUPPLIES - MEDIA EQUIPMENT	c) DEVIATION	0.1%	0.0%	0.0%	0.0%	0.0%
PERSONNEL - BENEFITS AND INSURANCE	a) REVISED BUDGET	\$14,015.00	\$5,103.00	\$7,024.97	\$6,813.51	\$7,620.52
PERSONNEL - BENEFITS AND INSURANCE	b) SPENDING	(\$9,319.62)	(\$6,592.72)	(\$7,024.97)	(\$6,813.51)	(\$7,620.52)
PERSONNEL - BENEFITS AND INSURANCE	c) DEVIATION	-33.5%	29.2%	0.0%	0.0%	0.0%
PERSONNEL - INSTRUCTIONAL SALARIES, CONTRACT OR REGULAR STATUS	a) REVISED BUDGET	\$90,099.00	\$96,051.00	\$148,959.45	\$136,347.71	\$154,157.05
PERSONNEL - INSTRUCTIONAL SALARIES, CONTRACT OR REGULAR STATUS	b) SPENDING	(\$130,483.54)	(\$137,482.75)	(\$148,959.45)	(\$136,347.71)	(\$154,157.05)
PERSONNEL - INSTRUCTIONAL SALARIES, CONTRACT OR REGULAR STATUS	c) DEVIATION	44.8%	43.1%	0.0%	0.0%	0.0%
PERSONNEL - INSTRUCTIONAL SALARIES, OTHER	a) REVISED BUDGET	\$6,263.00	\$6,534.00	\$3,526.74	\$3,572.10	\$2,638.50
PERSONNEL - INSTRUCTIONAL SALARIES, OTHER	b) SPENDING	(\$54,599.82)	(\$3,875.10)	(\$3,526.74)	(\$3,572.10)	(\$2,638.50)

PERSONNEL - INSTRUCTIONAL SALARIES, OTHER	c) DEVIATION	771.8%	-40.7%	0.0%	0.0%	0.0%
PERSONNEL - NONINSTRUCTIONAL SALARIES, CONTRACT OR REGULAR STATUS	a) REVISED BUDGET	\$0.00	\$0.00	\$6,419.76	\$17,616.39	\$6,917.46
PERSONNEL - NONINSTRUCTIONAL SALARIES, CONTRACT OR REGULAR STATUS	b) SPENDING	\$0.00	\$0.00	(\$6,419.76)	(\$17,616.39)	(\$6,917.46)
PERSONNEL - NONINSTRUCTIONAL SALARIES, CONTRACT OR REGULAR STATUS	c) DEVIATION	0.0%	0.0%	0.0%	0.0%	0.0%
PERSONNEL - NONINSTRUCTIONAL SALARIES, OTHER	a) REVISED BUDGET	\$0.00	\$0.00	\$3,964.00	\$0.00	\$6,622.52
PERSONNEL - NONINSTRUCTIONAL SALARIES, OTHER	b) SPENDING	(\$2,499.00)	(\$4,507.25)	(\$3,964.00)	\$0.00	(\$6,622.52)
PERSONNEL - NONINSTRUCTIONAL SALARIES, OTHER	c) DEVIATION	#DIV/0!	#DIV/0!	0.0%	0.0%	0.0%
PERSONNEL - STATE TEACHERS' RETIREMENT SYSTEM (STRS)	a) REVISED BUDGET	\$13,905.00	\$16,701.00	\$25,668.12	\$24,044.55	\$25,883.95
PERSONNEL - STATE TEACHERS' RETIREMENT SYSTEM (STRS)	b) SPENDING	(\$22,035.45)	(\$20,949.53)	(\$25,668.12)	(\$24,044.55)	(\$25,883.95)
PERSONNEL - STATE TEACHERS' RETIREMENT SYSTEM (STRS)	c) DEVIATION	58.5%	25.4%	0.0%	0.0%	0.0%