



**Cycle:** 2018-2021

**CAS WITH A MAJOR IN Essential Web Development**

**Program Mission Statement:**

The Network Systems Management program prepares students for entry-level positions as network administrators, network managers, network designers, network operations specialists, network technicians, network installers, network support specialists or IT technicians.

**Division:** Technical and General Education

**AVP:** Dan Averette

**Department Chair:** Pete Gioldasis

**Director:** Paul Anderson

**SACSCOC Standard:** 8.2A

**Accrediting Agency:**  Yes  No

**Name:** NA

**Certification Exam(s):**  Yes  No

**Agency Name:**

**Credential:** NA

Program Student Learning Outcome	Monitoring Year
1. Demonstrate ability to apply technical knowledge and skills to develop and implement hardware and/or software solutions within the realm of information technology that meet specified design and performance requirements.	2018-2019
2. Build, maintain, and troubleshoot to solve common information technology problems and implement secure workable solutions.	2018-2019

## STUDENT LEARNING OUTCOMES FOR CAS.WEB – 2018-2019

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance <u>for the program</u> ?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? <b>NOTE: include student ratio with all results.</b>	How will you use this information to improve the program
1. Demonstrate the ability to apply technical knowledge and skills to develop and implement hardware and/or software solutions within the realm of information technology that meet specified design and performance requirements.	CPT 162 Introduction to Web Page Publishing	The students will demonstrate their abilities by successfully completing the course final exam which demonstrates website planning, website designing, hypertext markup language coding (HTML), usage of semantic elements, links, images, tables, cascading style sheets (CSS), and responsive design techniques.	70% of the students will receive 70% or higher on the final exam.	Fall 2018	Benchmark was met. 28 out of the 34 students (82%) received a 70% or higher on the final exam.  The lowest score for this final exam was 44.4% and the highest was 96.8%. Mean was 76.27%. Two students did not take the final exam and were assigned grades of 0%.	Benchmark Met. Skills exams will be/have been updated. Course content and teaching strategies will also be modified for future terms to address areas of difficulty.

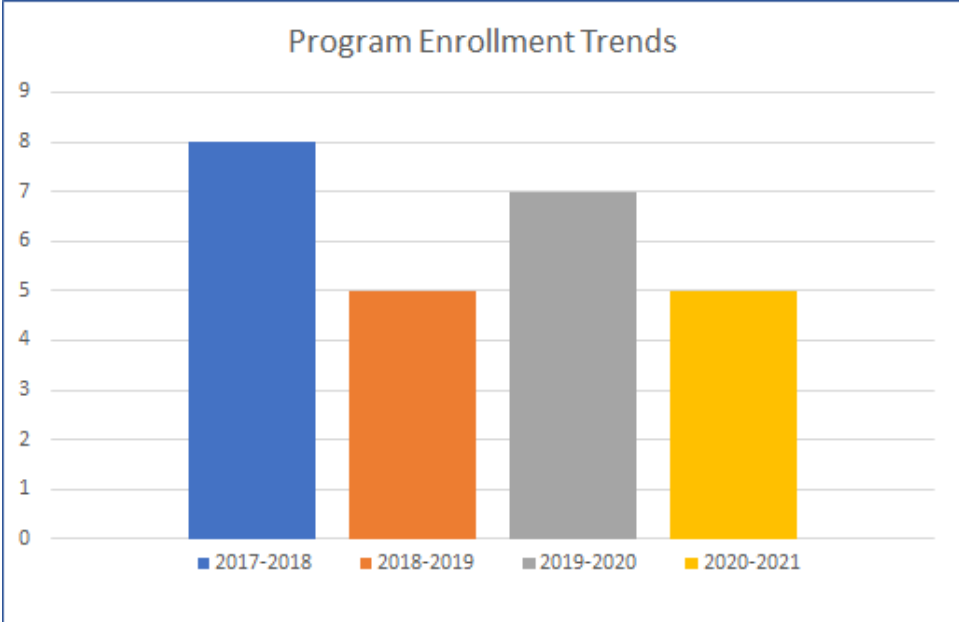
## STUDENT LEARNING OUTCOMES FOR CAS.WEB – 2018-2019

A. Program Student Learning Outcomes	B. What courses are PSLOs Assessed	C. Methods for Outcomes Assessment	D. Expected Level of Program Performance	E. Data Collection	F. Results	G. Plan For Improvement
What should the graduates of your program be able to do?	Where do you see evidence that the student can do these things?	How does your program evaluate student/graduate skills/abilities?	What is the expected level of student performance <u>for the program</u> ?	When will you collect the data needed to evaluate the performance of the program?	What are the results of the evaluation? <b>NOTE: include student ratio with all results.</b>	How will you use this information to improve the program?
2. Build, maintain, and troubleshoot to solve common information technology problems and implement secure workable solutions.	CPT 168 Programming Logic and Design	All students will attempt and hopefully, 60% will pass the Cumulative Final Project which requires programming logic, structure, design, and coding; use of variables, constants, data types conditional statements, comparison operators, algorithms, and validation.	70% will achieve a passing score of 70% or higher on Cumulative Final Project.	Spring 2019	The benchmark was met. 25 out of the 28 students (89%) received a 70% or higher on the Cumulative Final Project chosen for this assessment.  The lowest score for the Cumulative Final Project was 50% and the highest was 100%. The cohort average for this event was 83.5%.	We did meet our goal of 70% pass rate. Results of projects will be used to review and update the course content.

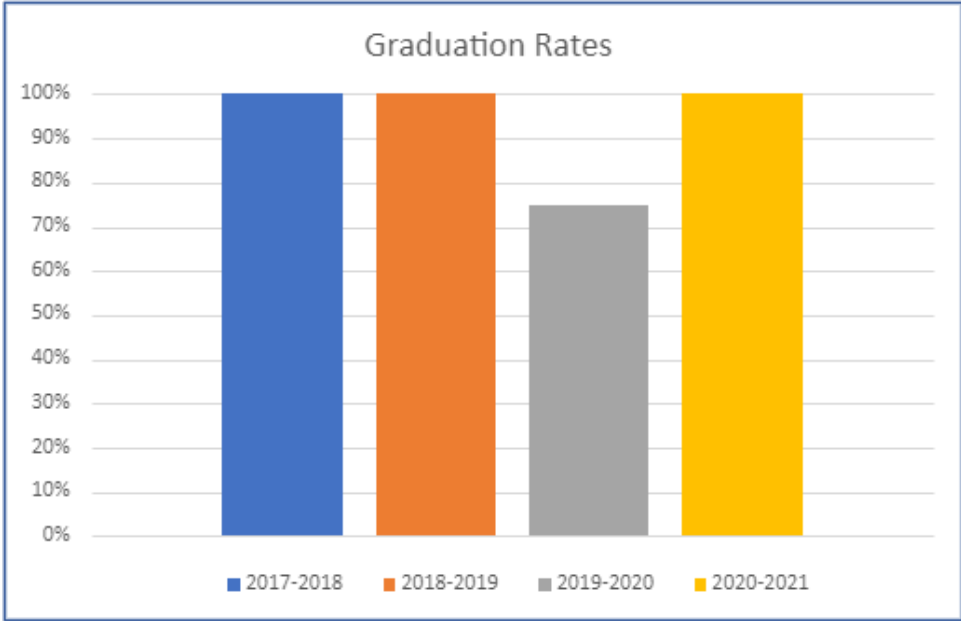
## **CONTINUOUS STUDENT IMPROVEMENT**

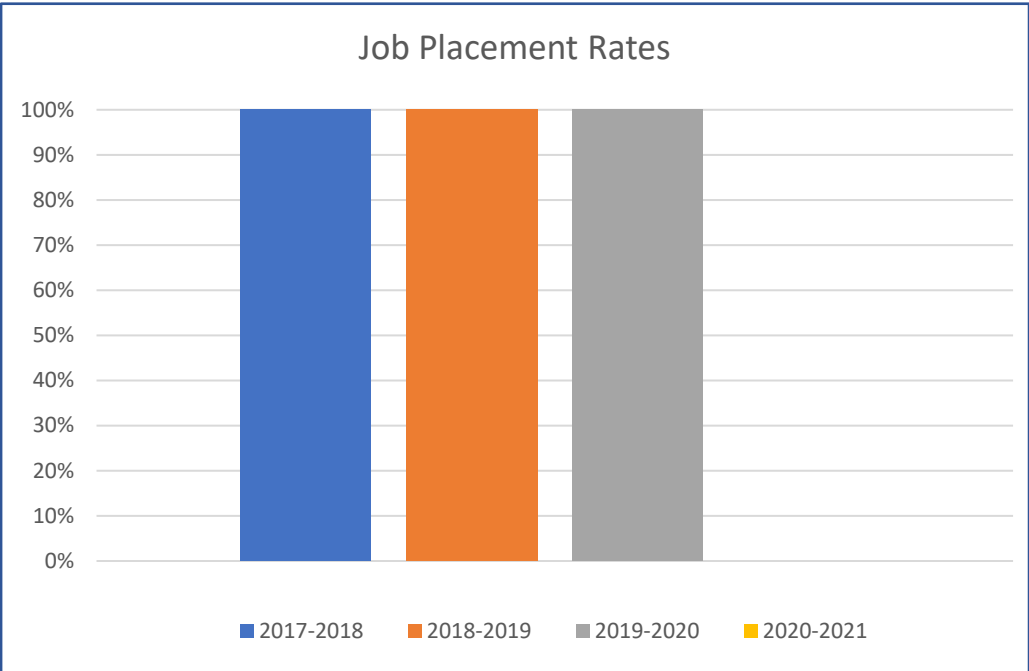
**Both this cycle and last cycle PSLOs for the Essential Web Development certificate were met. Students seem to do very well in this certificate. Content been updated over the past few years to include relevant new technologies.**

## PROGRAM VITAL STATISTICS

Indicator	Trend Analysis	Action Plans										
<div style="text-align: center;"> <p>Program Enrollment Trends</p>  <table border="1" style="margin: 10px auto; border-collapse: collapse;"> <caption>Program Enrollment Trends Data</caption> <thead> <tr> <th>Year</th> <th>Enrollment</th> </tr> </thead> <tbody> <tr> <td>2017-2018</td> <td>8</td> </tr> <tr> <td>2018-2019</td> <td>5</td> </tr> <tr> <td>2019-2020</td> <td>7</td> </tr> <tr> <td>2020-2021</td> <td>5</td> </tr> </tbody> </table> </div>	Year	Enrollment	2017-2018	8	2018-2019	5	2019-2020	7	2020-2021	5	<p>There is not a clear trend up or down over the past four years. Indeed, enrollment numbers in this certificate often do not truly reflect the number of students pursuing this credential. Often students will declare NSM but will graduate with the Web Certificate.</p>	<p>Promote this certificate as a CODING certificate and do more to encourage students to correctly classify themselves.</p>
Year	Enrollment											
2017-2018	8											
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Indicator	Trend Analysis	Action Plans										
<p style="text-align: center;"><b>Fall to Spring Persistence</b></p> <table border="1"> <caption>Fall to Spring Persistence Data</caption> <thead> <tr> <th>Year</th> <th>Persistence Rate</th> </tr> </thead> <tbody> <tr> <td>2017-2018</td> <td>25%</td> </tr> <tr> <td>2018-2019</td> <td>100%</td> </tr> <tr> <td>2019-2020</td> <td>75%</td> </tr> <tr> <td>2020-2021</td> <td>100%</td> </tr> </tbody> </table>	Year	Persistence Rate	2017-2018	25%	2018-2019	100%	2019-2020	75%	2020-2021	100%	<p>Students who do initially declare this certificate are persistent. This rate has been increasing since 2017-2018. However, a decreased was noted due to the arrival of COVID-19 in the Spring semester of 2020.</p>	<p>Current strategies are working for the most part. Additional work to improve consistency by establishing a sense of cohort may help and will be initiated. Follow the curriculum layouts and advise all students in class.</p>
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2017-2018	25%											
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<p style="text-align: center;"><b>Graduation Rates</b></p>  <table border="1" data-bbox="163 196 1117 813"> <caption>Graduation Rates Data</caption> <thead> <tr> <th>Year</th> <th>Graduation Rate</th> </tr> </thead> <tbody> <tr> <td>2017-2018</td> <td>100%</td> </tr> <tr> <td>2018-2019</td> <td>100%</td> </tr> <tr> <td>2019-2020</td> <td>75%</td> </tr> <tr> <td>2020-2021</td> <td>100%</td> </tr> </tbody> </table>	Year	Graduation Rate	2017-2018	100%	2018-2019	100%	2019-2020	75%	2020-2021	100%	<p>Graduation rates for this certificate are good over the past four years with the exception of 2019-2020. They may appear better than they really are due to students who do not declare the certificate but who get the certificate by applying for it. The drop in the graduation rate for 2019-2020 could be attributed to COVID-19.</p>	<p>Current strategy of using internships is working. Additional work to improve consistency by establishing a sense of cohort may help and will be initiated. Keep promoting the program with local industry.</p>
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2017-2018	100%											
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Indicator	Trend Analysis	Action Plans										
<p style="text-align: center;"><b>Job Placement Rates</b></p>  <table border="1" data-bbox="128 175 1150 841"> <caption>Job Placement Rates Data</caption> <thead> <tr> <th>Year</th> <th>Rate</th> </tr> </thead> <tbody> <tr> <td>2017-2018</td> <td>100%</td> </tr> <tr> <td>2018-2019</td> <td>100%</td> </tr> <tr> <td>2019-2020</td> <td>100%</td> </tr> <tr> <td>2020-2021</td> <td>100%</td> </tr> </tbody> </table>	Year	Rate	2017-2018	100%	2018-2019	100%	2019-2020	100%	2020-2021	100%	<p>The trend for job placement has been steady at 100% for the past three years. The job placement rates for the Web Essentials Certificate are high due to the fact that our graduates are very marketable in our area.</p>	<p>The department will continue to be in communication with industry through Advisory and DACUM committees so we can keep providing graduates into the job market pipeline.</p>
Year	Rate											
2017-2018	100%											
2018-2019	100%											
2019-2020	100%											
2020-2021	100%											

\*Values and formulas used to generate program vital statistics and charts provided by Gary Ancheta.