



# Program-Level Assessment: Annual Report

Program Name (no acronyms): Computer Information    Department:

Systems

Degree

In what year was the program’s assessment plan most recently reviewed/updated? 2020

### 1. Student Learning Outcomes

Which of the program’s student learning outcomes were assessed in this annual assessment cycle? (Please list the actual learning outcome statements and not just numbers, e.g., Outcomes 1 and 2.)

An ability to analyze a problem, and to identify and define the computing requirements appropriate to its solution. (SLO1)

An ability to communicate effectively in a variety of professional contexts. (SLO3)

### 2. Assessment Methods: Artifacts of Student Learning

Which artifacts of student learning were used to determine if students achieved the outcome(s)? Please identify the course(s) in which these artifacts were collected. Clarify if any such courses were offered a) online, b) at the Madrid campus, or c) at any other off-campus location.

#### SLO1

CIS 1600 - Introduction to Programming – Final Term Project

CIS 3300 - Database Analysis and Design – Final Project

CIS 4600 - Cyber Threats and Defense – Final Paper

#### SLO3

CIS 2850 - Principles of Data Analysis – Final Exam

CIS 3250 - Cybersecurity Principles – Final Project

CIS 3850 - Analytics and Visualizations – Application Project

\*\*All courses were taught 100% online

### 3. Assessment Methods: Evaluation Process

What process was used to evaluate the artifacts of student learning, and by whom? Please identify the tools(s) (e.g., a rubric) used in the process and include them in/with this report.

Instructors have outcomes set up and added to their artifact rubric vis Canvas outcomes. At the end of their courses, a Canvas Outcomes report was run to collect data about student performance and artifacts used to assess learning outcomes. Data was used to analyze and make changes as needed to assessment of learning outcomes.



- B.** How specifically have you decided to use these findings to improve teaching and learning in your program? For example, perhaps you've initiated one or more of the following:



Criteria	Ratings			Pts
This criterion is linked to a Learning Outcome Guesses	<b>10 pts Excellent</b> Keeps track of guesses, warning user if a guess has been repeated.	<b>5 pts Needs Improvement</b> Guesses logic contains minor flaws.	<b>0 pts Below Expectations</b> Guesses logic contains major flaws.	10 pts

## CIS 3300 - Database Analysis and Design – Final Project

You've already rated students with this rubric. Any major changes could affect their assessment results.

## CIS3300\_FinalProject\_Rubric

This criterion is  
linked to a Learning  
Outcome  
Physical Tables

20 pts  
Excellent  
Between 8 to 10 tables  
with proper table names  
created in SQL server

You've already rated students with this rubric. Any major changes could affect their assessment results.

Final Project Rubric

<p>This criterion is linked to a Learning Outcome Executive Summary</p>	<p>5 pts Full Marks</p>	<p>0 pts No Marks</p>	<p>5 pts</p>
<p>This criterion is linked to a Learning Outcome Assessment of current to weakness</p>	<p>5 to &gt;0.0pts Full Marks</p>	<p>0 pts No Marks</p>	



## Final Project Rubric

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This criterion is linked to a Learning Outcome Training Aids

20 to >15.0pts  
Full Marks

15 to >10.0pts  
Partially meets expectations

10 to >5.0pts  
Developing- Insuffi g 2.9 (o)-4.1 (n)3.8 (s)JTJ ID 9s6.5n0.12(f)-6.3



## CIS2850 Final Exam Rubric

<p>This criterion is linked to a Learning Outcome Regression Statistics</p>	<p>2 pts Excellent Correct scatterplot and correlation coefficient (rounded to hundredths) are given.</p>	<p>1 pts Needs Improvement Minor error with scatterplot or correlation coefficient, or only 1 is supplied.</p>	<p>0 pts No Marks</p>	2 pts

This criterion is linked to a Learning Outcome

## CIS2850 Final Exam Rubric

<p>This criterion is linked to a Learning Outcome Plausibility</p>	<p>1 pts Excellent Correct, complete explanation of the plausibility of the player's assertion.</p>	<p>0.5 pts Needs Improvement Incomplete explanation.</p>	<p>0 pts No Marks</p>	<p>1 pts</p>



