

## Program Assessment: *Annual Report*

**Program(s):** BS Computer Information Systems

**Department:**

**College/School:** School from Professional Studies

**Date:** April 2019

**Primary Assessment Contact:** John P. Buerck, Ph.D.

1. Summary of the Computer Information Systems program during the 2018-2019 annual assessment cycle?

During the 2018/2019 academic year, the Computer Information Systems (CIS) Bachelor of Science degree participated in a program review self-study. Collegis Education, was engaged with the scope of work to identify specific metrics for analyzing the current CIS program and identifying any modifications that would be necessary to ascertain high-level alignment to employer identified skills. The summary of modifications suggested and incorporated were: 1) restructure existing track concentrations to certificate options, 2) renaming of certificate options/course names, 3) replacement of outdated course with new in-demand concepts.

The modifications were then reviewed by Dr. Shari Plantz-Masters (Dean, College of Computer and Information Sciences, Regis University) and Dr. Cynthia Corritore (Professor, Heider College of Business, Creighton University) during a two-day self-study visit.

A summary of modifications to the Computer Information Systems Bachelor of Science degree can be found in Appendix A.

Curriculum changes approved by the School for Professional Studies Curriculum Committee on 2-13-2018. Final approval to the curriculum changes approved by Dean Tracy Chapman on 2-13-2018. Since there were less than 30% of changes in the curriculum and courses, the “short form” curriculum Program Change Report was reviewed as an informational item at the UAAC meeting on 4-4-2019.

Note: A new assessment plan was developed to parallel the Computer Information System program updates.

## Appendix A

### Computer Information Systems

<b>Major Courses (Credits = 36)</b>	<b>Status</b>
CIS 1300 Information Systems & Technology	Current
CIS 1600 Introduction to Programming	Current
CIS 2300 Data-Driven Decision Making	New Course
CIS 2700 Discrete Methods and Models	Current
CIS 3000 System Analysis & Design	Renamed Course - Prior Name: CIS 3000 Software Engineering
CIS 3150 Workplace Ethics	Current
CIS 3250 Cybersecurity Principles	New Course
CIS 3300 Database Analysis and Design	Current
CIS 3850 Analytics and Visualizations	Renamed Course - Prior Name: CIS 3850 Analytics and Modeling
CIS 4100 Technology Strategy and Decision Making	Renamed Course - Prior Name: CIS 4100 Enterprise Application Development
CIS 4700 Advanced Database Systems	Current
CIS 4900 CIS Capstone Experience	Current
<b>CIS - Cybersecurity Certificate (Credits = 18)</b>	Renamed Certificate - Old Name was "Information Security & Assurance"
CIS 1600 Introduction to Programming	Current
CIS 2850 Principles of Data Analysis	Current
CIS 3250 Cybersecurity Principles	New Course
CIS 3300 Database Analysis and Design	Current
CIS 4300 Fundamentals of Computer Forensics	Current
CIS 4600 Cyber Threats and Defense	Renamed Course - Prior Name: CIS 4600 Information Assurance and Security
<b>CIS - Data Analytics Certificate (Credits = 18)</b>	Current
CIS 1600 Introduction to Programming	Current
CIS 2850 Principles of Data Analysis	Current
CIS 3300 Database Analysis and Design	Current
CIS 3850 Analytics and Visualizations	Renamed Course - Prior Name: CIS 3850 Analytics and Modeling
CIS 4150 Survey of Machine Learning	New Course
CIS 4750 Data Mining	Current
<b>CIS - Healthcare Information Systems (Credits = 18)</b>	Sunset