SAINT LOUIS UNIVERSITY.

Program Assessment: *Annual Report*

Program(s): Certificate - Computer Information Systems

Department:

College/School: School from Professional Studies

Date: July 2018

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

1. Which program student learning outcomes were assessed in this annual assessment cycle?

> The two student learning outcomes that were assess in the 2017-2018 cycle are:
>
> An ability to analyze a problem, and to identify and define the computing requirements appropriate to its solution. (ABET-1).
>
> An ability to design, implement, and evaluate a computer-based solution to meet a given set of computing requirements in the context of the discipline. (ABET-2)

2. What data/artifacts of student learning were collected for each assessed outcome? Were Madrid student artifacts included?

> ABET-1
> CIS1300 = PC Analysis
> CIS3100 = Weekly Programming Labs
> CIS3300 = Table Relationship Development
> CIS4100 = IT Service Lifecycle
> CIS4750 = Course not offered in this cycle
>
> ABET-2
> CIS1600 = Final Project
> CIS3100 = Final Project
> CIS3300 = Primary Key Assignment
> CIS4300 = Course not offered in this cycle
> CIS4600 = Course not offered in this cycle
> CIS3850 = Data analysis project report and associated code + data files.

3. How did you analyze the assessment data? What was the process? Who was involved?
   NOTE: If you used rubrics as part of your analysis, please include them in an appendix.

   > During this assessment cycle, adjunct faculty used varied assessment methods. Moving forward, the School for Professional Studies will require that rubrics be created for use in all student assessments.

4. What did you learn from the data? <u>Summarize</u> the major findings of your analysis for each assessed outcome.
   NOTE: If necessary, include any tables, charts, or graphs in an appendix.

   > - Programming courses should be take sequentially if possible.
   > - Both CIS1600 and CIS2850 should be pre-requisite to CIS3850.
   > - Identify and implement more user-friendly tools for lecture capture and virtual computing.

5. How did your analysis inform meaningful change? How did you *use the analyzed data to make or implement recommendations for change* in pedagogy, curriculum design, or your assessment plan?

   > - SPS student coaches (advisers) are actively helping students to schedule programming courses sequentially.
   >
   > - Pre-requisite changes to CIS3850 were approved by the SPS curriculum committee. The appropriate course modification form was send to the Registrar's office.
   >
   > - The CIS Program Director is currently in talks with Microsoft to acquire the cloud based tool – Microsoft Managed Labs.

6. Did you follow up ("close the loop") on past assessment work? If so, what did you learn? *(For example, has that curriculum change you made two years ago manifested in improved student learning today, as evidenced in your recent assessment data and analysis?)*

   > We will address this question once we have collected a second year's worth of assessment related data.

IMPORTANT: Please submit any <u>revised/updated assessment plans</u> to the University Assessment Coordinator along with this report.