SAINT LOUIS UNIVERSITY.

Program-Level Assessment: Annual Report

Program Name (no acronyms): Cybersecurity	Department: SPS Graduate Programs
Degree or Certificate Level: Master's of Science	College/School: Professional Studies
Date (Month/Year): August/2022	Primary Assessment Contact: Maria Weber

In what year was the data upon which this report is based collected? 2022

In what year was the program's assessment plan most recently reviewed/updated? 2022

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.)

SLO 1: Graduates will be able to apply program-specific knowledge to address practical problems using an ethical, evidence-based framework

SLO 2: Graduates will be able to utilize argumentation skills appropriate for a given problem or context.

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.

Data from individual students and students completing the master's research project (CYBR 5963)

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.

Assessment was conducted by the program director.

4. Data/Results

What were the results of the assessment of the learning outcome(s)? Please be specific. Does achievement differ by teaching modality (e.g., online vs. face-to-face) or on-ground location (e.g., STL campus, Madrid campus, other off-campus site)?

Results indicated that students meet SLO 1 but are in need of new courses with program-specific knowledge courses to address new practical problems

5. Findings: Interpretations & Conclusions

What have you learned from these results? What does the data tell you?

The results indicate that the program would benefit from new courses to meet SLO 1.

6. **Closing the Loop: Dissemination and Use of Current Assessment Findings**
   A. When and how did your program faculty share and discuss these results and findings from this cycle of assessment?

   > I have discussed these results with multiple faculty within the school and with the inly existing faculty member who teaches in the program.

   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:

Changes to the Curriculum or Pedagogies	• Course content	• Course sequence
	• Teaching techniques	• New courses
	• Improvements in technology	• Deletion of courses
	• Prerequisites	• Changes in frequency or scheduling of course offerings
Changes to the Assessment Plan	• Student learning outcomes	• Evaluation tools (e.g., rubrics)
	• Artifacts of student learning	• Data collection methods
	• Evaluation process	• Frequency of data collection

   Please describe the actions you are taking as a result of these findings.

   > New courses will be developed

   If no changes are being made, please explain why.

   >

7. **Closing the Loop: Review of Previous Assessment Findings and Changes**
   A. What is at least one change your program has implemented in recent years as a result of assessment data?

   > Standardization of the Master Research Project options with their respective templates. The hiring of new adjuncts and redesigning courses has begun according to the revised curricular map.

   B. How has this change/have these changes been assessed?

   > The Master Research projects have been evaluated by faculty mentors who work with students throughout the three-hour sequence. Students implemented an applied research project consistent with their approved project, written a formal report of findings and recommendations, and delivered a formal presentation summarizing the project.

   C. What were the findings of the assessment?

   > Students who completed the three-hour sequence satisfactory demonstrated the competencies gained during the MS Cybersecurity program.

   D. How do you plan to (continue to) use this information moving forward?

   > The four general Master Research Project options will continue to be offered to students. Courses will be redesigns.

IMPORTANT: Please submit any assessment tools (e.g., rubrics) with this report.