

## BSIS Program Learning Outcomes Report Summary 2020

The following table summarizes the assessment of PLOs for the BSIS program for assessment cycle (2019-20). This process is conducted regularly as part of the annual learning results assessments, which measure two or three PLOs for each program each year. This summary report is to be submitted to the EEC upon its completion.

<b>Program</b>	Bachelor of Science in Information Systems
<b>Assessment Period</b>	SU I, 2019 to SP II, 2020
<b>Program Learning Outcomes (PLOs)</b>	PLO 1: Demonstrate the ability to integrate biblical concepts and principles with discipline-specific topics and domains. PLO 3: Demonstrate effective written and oral communication skills
<b>Closing the loop (from the last time these same PLOs were assessed)</b>	PLO 1: This is the first time this PLO has been reviewed. The program launched in FA1 2017. PLO 3: This is the first time this PLO has been reviewed. The program launched in FA1 2017.
<b>Standards of Success</b>	<p>PLO 1: Artifact Proficiency Standard: Artifact Proficiency Standard: Each artifact is considered to have met the proficiency standard if two out of the three categories (or if all categories) of measurement achieve at least a satisfactory or higher rating according to the artifact assessment rubric.</p> <p style="text-align: center;">Aggregate Achievement Standard: Eighty percent of artifacts will meet the 'Satisfactory' level as measured by the 'Direct Assessment' rubrics developed for each assessment.</p> <p>PLO 3: Artifact Proficiency Standard: Artifact Proficiency Standard: Each artifact is considered to have met the proficiency standard if two out of the three categories (or if all categories) of measurement achieve at least a satisfactory or higher rating according to the artifact assessment rubric.</p> <p style="text-align: center;">Aggregate Achievement Standard: Eighty percent of artifacts will meet the 'Satisfactory' level as measured by the 'Direct Assessment' rubrics developed for each assessment.</p>
<b>Evidence</b>	PLO 1: The artifact used for assessment was the Emerging Technologies Workgroup Proposal Part 3 in MGT 380. The sample size was 13 students. PLO 3: The artifact used for assessment was the Team Research Proposal Part 2 in MGT 320. The sample size was 11 students.
<b>Assessment Tool</b>	PLO 1: A standardized rubric was created using the assignment rubric as a template. The assessors developed the rubric after creating a draft and then participating in an interrater reliability exercise.

	<p>PLO 3: A standardized rubric was created using the assignment rubric as a template. The assessors developed the rubric after creating a draft and then participating in an interrater reliability exercise.</p>
<b>Assessors</b>	<p>PLO 1: Dan Horner, Cathay LeDuc, Gordon Jorgenson (tie-breaker)</p> <p>PLO 3: Dan Horner, Cathay LeDuc</p>
<b>Results</b>	<p>PLO 1: Of the 13 artifacts, five passed and eight failed. The success rate was 38% failing to meet the aggregate achievement standard of 80%.</p> <p>PLO 3: Of the 11 artifacts, seven passed and four failed. The success rate was 64%, failing to meet the aggregate achievement standard of 80%.</p>
<b>Discussion of Results</b>	<p>PLO 1: The assessment process adequately addressed the PLO. Using the Google Forms is a strong improvement in practice. The assignment instructions are not clear enough for the parts of the assignment that relate to the PLO. The assignment rubric is out of sync with the assignment instructions. Revising the assignment and its rubric to align better to the PLO could make this secondary assessment unnecessary to the PLO assessment process.</p> <p>PLO 3: We should not have a PLO that attempts to measure two separate skills (writing and oral communication). The assignments and rubrics need revision to be clearer for students and better align with the PLO. Making clear connections to the mastery of the PLOs needs additional work. As students have begun taking these courses, we are learning more about how to better assess their learning and the associated PLOs.</p>
<b>Proposed Changes</b>	<p>PLO 1: The two faith-related PLOs in BSIS should be combined into a single PLO that more closely aligns to ILO 1 that addresses Christian worldview. Stop using the Emerging Technologies assignment to measure Christian worldview. It is not part of the assignment requirements. ISYS 465 Business Information Systems and Ethics should be changed to a program requirement and use this course to assess PLO 1 in the future. If this is approved, make sure the assignment instructions and rubric are aligned and adequately assess the PLO.</p> <p>PLO 3: Separate the writing and oral communication skills that are currently combined in this PLO. This would require a change to the PLO map. Change the assessment artifact for writing to the Enterprise Architecture Proposal Pt. 3 in the ISYS 420 course. Keep the assessment artifact for oral communication in ISYS 320.</p>
<b>Rationale for Proposed Changes</b>	<p>PLO 1: Changing the PLO map to have one Christian worldview outcome will align to current practice. We changed from two to one Christian worldview outcome for the ILOs in the 2019-2020 catalog.</p> <p>The ISYS 465 course already has a fully developed assignment that will</p>

	<p>address Christain worldview in an information systems context</p> <p>PLO 3 currently combines two essential skills into the same PLO. Separating these will make it much clearer for everyone. The team agreed that a writing assignment with more analysis would be best to measure writing skills. The assignment in ISYS 420 should meet the need without requiring any significant course revision. ISYS 320 currently requires the students to create a presentation in part four of the Team Research and Proposal assignment. The assignment will need substantial revisions. This will allow it to adequately measure a new PLO on oral communication skills.</p>
<b>Financial Resources Required</b>	<p>PLO 1: Additional meetings will be required to address the proposed changes. The total hours required from the assessors and SMEs should not exceed a total of ten hours.</p> <p>PLO 3: Meetings are planned to address proposed changes with the PLOs and the affected assignments. This will also require a minor course revision for ISYS 320. The total time for these meetings should not exceed a total of 20 hours.</p>
<b>Annual Learning Report for BSIS Approved</b>	<p>Approved by the Educational Effectiveness Committee on December 9, 2020</p>
<b>Follow Up (Closing the Loop for PLOs assessed in previous assessment cycle)</b>	<p>N/A - No PLOs were reviewed last year. This is the first year of PLO assessment for the BSIS program.</p>