Bachelor of Science with a major in Information Technology, Online

Semester reporting: Spring Semester 2021

Reporting cycle: Annual Reporting Cycle

Academic Program Assessment by Concentration Report Information

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In which school is this program located?	Computing
Program Type:	Undergraduate
Approximately how many students are in this program at this location? Break out by concentrations.	Cybersecurity 61 No Concentration 42 Networking Technologies 18 Software Engineering 38 Web Applications Development 12 Integrated Digital Media & Game 17 Cyber Forensics 10 Health Informatics 2 IT-Info Assurance Security (Conc) 1 Total 201

Student Learning Outcomes
SLO1

7. SLO 1: What is the first Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
8. SLO 1: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	Three-part report project
9. SLO 1: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on....)	80%
10. SLO 1: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%)	online concentration met target 2 Cyber Forensics 100% 9 Cybersecurity 100% 3 Digital Media and Game Design 100% 9 Generalist 100% 2 Health Informatics 50% 2 Network Tech and Administration 100% 1 Software Development 100% 2 Software Engineering 100% 2 Web Application Development 100
11. SLO 1: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	The Curriculum Committee reviewed the results on March 23, 2021 and noted: 1. The target for performance for the student outcome was 80% of the students assessed who scored a "satisfactory" or "exemplary." 2. The percentage of students that demonstrated each performance indicator were as follows: a. PI1: 96% b. PI2: 96% c. PI3: 96% In addition, the Curriculum Committee noted: 1. The target was achieved in all three PIs. The Curriculum Committee recommended: 1. No issues were apparent with the data. Continue to monitor in future reviews. SoIT Faculty The SOIT faculty approved the recommendations from Curriculum Committee unanimously (3/23/21).

Student Learning Outcomes
SLO2

12. SLO 2: What is the second Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Communicate effectively in a variety of professional contexts.
13. SLO 2: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	eJournal and presentation
14. SLO 2: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....).	80%
15. SLO 2: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%)	online concentration met target 1 BAIS- Interdisciplinary Studies 100% 7 Cybersecurity 100% 2 Digital Media and Game Design 100% 2 Generalist 100% 1 Health Informatics 100% 1 IT Minor 100% 1 MSIT- Cybersecurity and Forensics 100% 2 Network Tech and Administration 100% 5 Software Engineering 100% 22
16. SLO 2: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	The Curriculum Committee reviewed the results on March 23, 2021 and noted: 1. The target for performance for the student outcome was 80% of the students assessed who scored a "satisfactory" or "exemplary." 2. The percentage of students that demonstrated each performance indicator were as follows: a. PI1: 100% b. PI2: 100% c. PI3: 100% d. PI4: 100% In addition, the Curriculum Committee noted: 1. The target was achieved in all four PIs. Instructor notes - During this course, the instructor attempted a new action to increase student success. The instructor of record implemented a mid-term course blind check of the final assignment. Students found lacking "Exemplary" actions received mentoring. The

	instructor scheduled personal virtual mentoring sessions with students needing assistance. Students were offered virtual mentoring and real-time writing, grammar, and speech coaching. Additionally, the instructor's weekly grammar and writing assignments in the course emphasized increased opportunities to learn skills. And finally, the instructor provided senior students as mentors for interested students. Students were also permitted to have work reviewed by the Student Success Center's Writing Lab coaches and senior mentors. Additionally, one student should be commended. The student–who was suffering from Covid-19 limitations–participated in the final's speech portion with great effort. Although difficulties were present from the condition, the student remained vigilant and shadowed the DoIT's exemplary student drive for success. The Curriculum Committee recommended: 1. No issues were apparent with the data. The committee commends the faculty teaching the courses on their exemplary efforts, and will continue to monitor in future reviews. 2. SoIT Faculty The SOIT faculty approved the recommendations from Curriculum Committee unanimously (3/23/21)

Student Learning Outcomes

SLO3

17. SLO 3: What is the third Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
18. SLO 3: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	Course project and peer evaluation
19. SLO 3: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....).	80%
20. SLO 3: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%)	online concentration met target 2 Cyber Forensics 100% 9 Cybersecurity 100% 3 Digital Media and Game Design 100% 9 Generalist 89% 2 Health Informatics 50% 2 Network Tech and Administration 100% 1 Software Development 100% 2 Software Engineering 100% 2 Web Application Development 100% 32
21. SLO 3: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	The Curriculum Committee reviewed the results on March 23, 2021 and noted: 1. The target for performance for the student outcome was 80% of the students assessed who scored a "satisfactory" or "exemplary." 2. The percentage of students that demonstrated each performance indicator were as follows: a. PI1: 94% b. PI2: 94% c. PI3: 94% In addition, the Curriculum Committee noted: 1. The target was achieved in all three PIs. The Curriculum Committee recommended: No issues were apparent with the data. Continue to monitor in future reviews. SoIT Faculty The SOIT faculty approved the recommendations from Curriculum Committee unanimously (3/23/21)

Student Learning Outcomes
SLO4

22. SLO 4: What is the fourth Student Learning Outcome for this academic program? Student Learning Outcomes should be stated in measurable terms (i.e. students will be able to......)	
23. SLO 4: What instrument (assessment type) was used to measure student's ability to demonstrate mastery of this learning outcome? (i.e. exam, assignment with rubric, speech, demonstration of ability, lab assignment)	
24. SLO 4: What target performance level would a student need to achieve on the assessment instrument to demonstrate mastery of this learning outcome? (i.e. 80% of all students will earn an average grade of 75% or better on.....	
25. SLO 4: During this assessment cycle, what percent of the students who participated in this assessment met the target performance level and demonstrated mastery of this learning outcome. Report data differentiated by program concentrations. (Example: BA Contemporary Musicianship - 84%, BA Contemporary Musicianship Classical - 77%, BA Contemporary Musicianship Commercial - 63%)	
26. SLO 4: Evidence of changes based on an analysis of the results: What changes were implemented based on an analysis of the students' performance on this Student Learning Outcome?	

Sampling

27. How many students participated in the assessment of these learning outcomes, in this program, for this assessment cycle at this location? (Provide Number and by Concentration)	SLO2
	online concentration met target
	2 Cyber Forensics 100%
	9 Cybersecurity 100%
	3 Digital Media and Game Design 100%
	9 Generalist 100%
	2 Health Informatics 50%
	2 Network Tech and Administration 100%
	1 Software Development 100%
	2 Software Engineering 100%
	2 Web Application Development 100%
	32
	SLO 3
	online concentration met target
	1 BAIS- Interdisciplinary Studies 100%
	7 Cybersecurity 100%
	2 Digital Media and Game Design 100%
	2 Generalist 100%
	1 Health Informatics 100%
	1 IT Minor 100%
	1 MSIT- Cybersecurity and Forensics 100%
	2 Network Tech and Administration 100%
	5 Software Engineering 100%
	22
	SLO5
	online concentration met target
	2 Cyber Forensics 100%
	9 Cybersecurity 100%
	3 Digital Media and Game Design 100%
	9 Generalist 89%
	2 Health Informatics 50%
	2 Network Tech and Administration 100%
	1 Software Development 100%
	2 Software Engineering 100%
	2 Web Application Development 100%
	32

Open Box for Assessment Comments

28. Overall Use of Assessment Results for Continuous Improvement and Open Text Box For Assessment Comments:	The department will seek to continually improve
29. If the COVID-19 pandemic impacted this assessment cycle, please provide specific details below.	ABET conducted their visit via Zoom including a Sunday lab tour and two full days of meeting with faculty, staff, students, alumni, advisory board, and employers. The department did not alter the assessment plan.