Program: **BIT Graduate Certificate in Informsation Assurance (BIA)**

Fogelman College of Business & Economics - Spring 2019

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Executive Summary

2018-2019

Summary: For the BIT Graduate Certificate in Information Assurance (BIA), three (3) learning outcomes were assessed directly with students enrolled in selected BIA course sections over the Fall 2018 and Spring 2019 semesters. Faculty teaching the identified sections were provided with a pre-defined rubric for evaluating student skills across the three learning outcomes. For the BIA certificate, there were three (3) learning outcomes: LO1: Students can effectively manage IT resources in a secure manner, LO2: Students can identify security risks to technology infrastructure, LO3: Students can measure the effectiveness of IT security controls. A rubric of Fair (score=1), Good (score=2), or Exemplary (score=3) was used to assess each student's skills within a given LO. The scores of all students were consolidated and a benchmark of no more than 10% at the fair level (score=1) for a given LO was established for corrective actions.

Results: A total of 73 BIA students were assessed in this cycle (Fall 2018/Spring 2019) with all three LOs exceeding the 10% fair benchmark and thus required corrective action.

Improvements taken: To address the shortfall on for all three LOs, the BIA program has expanded the emphasis on developing individual security leadership skills across multiple courses in the program. Based on a recommendation from the assessment committee, additional LOs related to privacy and ethics have been added to the certificate's goals.

OUTCOMES	MEANS OF ASSESSMENT & BENCHMARKS/TASKS	RESULTS	ACTION TAKEN & FOLLOW-UP
LO1: Students can effectively manage IT resources in a secure manner. **Outcome Status:** Active	**Course Embedded Assessments –** In Fall 2018 / Spring 2019 semesters students were assessed in identified BIA course sections using a predefined rubric. A total of 73 students were assessed across multiple sections by multiple faculty. Individual students were scored at one of three levels: 　　1=Fair, 2=Good, 3=Exemplary The results for all students included in the assessment were consolidated by LO and reviewed by a faculty committee. **Benchmark (and how determined):** The department's goal is that any LO with a Fair (score=1) of 10% or more required corrective action.	**Reporting Cycle:** 2018 - 2019 **Result Type:** Criterion Not Met A review of results from the assessment process showed that 11% of the assessed BIA students scored at the Fair (1) level on LO1. This exceeded the 10% benchmark and thus merited corrective action.	**Action Taken:** The 11% Fair level exceeded the program's benchmark and thus merited correction. To address this deficiency, the BIA program faculty have expanded emphasis on developing individual security leadership skills across multiple courses in the program.

| **LO2:** Students can identify security risks to technology infrastructure.
Outcome Status: Active | **Course Embedded Assessments –** In Fall 2018 / Spring 2019 semesters students were assessed in identified BIA course sections using a predefined rubric. A total of 72 students were assessed across multiple sections by multiple faculty. Individual students were scored at one of three levels:

      1=Fair, 2=Good, 3=Exemplary

The results for all students included in the assessment were consolidated by LO and reviewed by a faculty committee.

Benchmark (and how determined): The department's goal is that any LO with a Fair (score=1) of 10% or more required corrective action. | **Reporting Cycle:** 2018 - 2019
Result Type: Criterion Not Met
A review of results from the assessment process showed that 12% of the assessed BIA students scored at the Fair (1) level on LO2. This exceeded the 10% benchmark and thus merited corrective action. | **Action Taken:** The 12% Fair level exceeded the program's benchmark and thus merited correction. To address this deficiency, the BIA program faculty have expanded emphasis on developing individual security leadership skills across multiple courses in the program. |

| **LO3:** Students can measure the effectiveness of IT security controls.

Outcome Status: Active | **Course Embedded Assessments –** In Fall 2018 / Spring 2019 semesters students were assessed in identified BIA course sections using a predefined rubric. A total of 73 students were assessed across multiple sections by multiple faculty. Individual students were scored at one of three levels:

    1=Fair, 2=Good, 3=Exemplary

The results for all students included in the assessment were consolidated by LO and reviewed by a faculty committee.

Benchmark (and how determined): The department's goal is that any LO with a Fair (score=1) of 10% or more required corrective action. | **Reporting Cycle:** 2018 - 2019
Result Type: Criterion Not Met
A review of results from the assessment process showed that 12% of the assessed BIA students scored at the Fair (1) level on LO3. This exceeded the 10% benchmark and thus merited corrective action. | **Action Taken:** The 12% Fair level exceeded the program's benchmark and thus merited correction. To address this deficiency, the BIA program faculty have expanded emphasis on developing individual security leadership skills across multiple courses in the program. |