Digital and Cyber Forensics Engineering Technology BS

Ethical Principles and Management Skills

Goal Description:

To develop students' knowledge of ethical principles, technical skills, and management skills relevant to the field of Digital Forensics Engineering Technology.

RELATED ITEMS/ELEMENTS -

RELATED ITEM LEVEL 1

Ethical Principles and Management Skills

Learning Objective Description:

Students will develop and demonstrate an understanding of the ethic considerations and management principles relevant to the field of Digital Forensics Engineering Technology.

RELATED ITEM LEVEL 2

TASO

Indicator Description:

All undergraduate Digital Forensics Engineering Technology students must complete COSC4349 (Professionalism and Ethics) prior to graduation. COSC4349 addresses three of the eleven identified student outcomes. . Additionally, TASO (Test for Assessing Student Outcomes) is implemented to quantitatively measure these Student Outcomes.

Criterion Description:

To perform a quantitative assessment, the following rubrics for the two courses are developed: (1) rubric for Project, (2) rubric for presentation evaluation, (3) rubric for group member evaluation, and (4) rubric for ethics topics. For COSC4349, students' performance is indirectly evaluated through the exam questions that address rubric (4). Each category is rated with the following scale values: (1) 1.0 (below expectations or unacceptable), (2) 2.0 (evolving or developing), (3) proficient (or competent), and (4) outstanding (or exemplary). Student's performance on Student Outcomes is directly evaluated with each specific rubric, while the performance on objectives is indirectly measured by mapping between Student Outcomes and Program Objectives.

Findings Description:

There an currently no students with Digital Forensics Engineering Technology as a major. The first recruits into this program are anticipated for fall 2017.

RELATED ITEM LEVEL 3

New Program Implementation

Action Description:

This is a new program. Assessment plans are in place but as yet these plans have not been implemented. Implementation will take place in the 2019/20 cycle when students reach their senior year.

Technical Competence

Goal Description:

Students will have a strong technical foundation, i.e., students will develop and demonstrate knowledge of theoretical materials, and computational and technical skills in the areas of Digital Forensics Engineering Technology.

RELATED ITEMS/ELEMENTS -

RELATED ITEM LEVEL 1

Technical Competence

Learning Objective Description:

Students will develop and demonstrate knowledge of technical skills, relevant to the field of Digital Forensics Engineering Technology.

RELATED ITEM LEVEL 2

Capstone Project and TASO

Indicator Description:

All undergraduate Computer Digital Forensics Engineering Technology students must complete COSC 4319 (Software Engineering) and COSC4349 (Professionalism and Ethics) prior to graduation. In addition, COSC4319, as a capstone course, covers the eight Student Outcomes (except the three outcomes (e), (g) and (h)) out of the eleven Student Outcomes and COSC4349 addresses the remaining three outcomes. Therefore, both the courses are selected for assessment. Additionally, TASO (Test for Assessing Student Outcomes) is implemented to quantitatively measure the eleven Student Outcomes.

Criterion Description:

To perform a quantitative assessment, the following rubrics for the two courses are developed: (1) rubric for Project, (2) rubric for presentation evaluation, (3) rubric for group member evaluation, and (4) rubric for ethics topics. For COSC4319, faculty members observe students' project presentation and directly evaluate students' performance based upon the rubrics (1)-(3). One the other hand, for COSC4349, students' performance is indirectly evaluated through the exam questions that address rubric (4). Each category is rated with the following scale values: (1) 1.0 (below expectations or unacceptable), (2) 2.0 (evolving or developing), (3) proficient (or competent), and (4) outstanding (or exemplary). Student's performance on Student Outcomes is directly evaluated with each specific rubric, while the performance on objectives is indirectly measured by mapping between Student Outcomes and Program Objectives.

Findings Description:

There are currently no students with Digital Forensics Engineering Technology as a major. The first recruits into this new program are anticipated for fall 2017.

RELATED ITEM LEVEL 3

New Program Implementation

Action Description:

This is a new program. Assessment plans are in place but as yet these plans have not been implemented. Implementation will take place in the 2019/20 cycle when students reach their senior year.

Update to Previous Cycle's Plan for Continuous Improvement

Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

This unit is new to CampusLabs for 2016-2017. No prior Plan for Continuous Improvement.

Update of Progress to the Previous Cycle's PCI:

There is no prior continuous improvement plan.

Continuous Improvement Plan

Closing Summary:

This is a new program. Continuous Improvement plans will be developed after the first set of data from the assessment process has been captured and evaluated. This should be in the 2019/20 cycle.