

**Computer and Information Technology – Year 4**

**Non-Accredited Programs Only**

**Student Learning Outcomes (SLOs) for Academic Programs**

Please list all of the student learning outcomes for your program as articulated in the assessment plan.

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program’s discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.
6. Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.

**Overview of Measures/Instruments**

<p><b>SLO(s)</b></p> <p><i>Note: Measures might be used for more than 1 SLO</i></p>	<p><b>ULG*</b></p>	<p><b>Measures/Instruments</b></p> <p><i>Please include a clear description of the instrument including when and where it is administered</i></p>	<p><b>How is the information Used?</b></p> <p><i>(include target score(s), results, and report if target(s) were met/not met/partially met for each instrument)</i></p>
<p>1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.</p>	<p>C</p>	<p>Please see attached Curriculum map for the schedule of assessment as well as where these are being assessed.</p>	<p>As the program is quite new, we have collected assessment data for only year 1, and have not yet analyzed it. As per the ABET accreditation, we are to set our target scores, after the analysis of at least 1 year of data. This analysis will be done shortly.</p>
<p>2. Design, implement, and evaluate a computing-based solution</p>	<p>C, Q</p>	<p>Please see attached Curriculum map for the schedule of assessment as well as where these are being assessed.</p>	<p>As the program is quite new, we have collected assessment data for only year 1, and have not yet analyzed it. As per the ABET accreditation, we are to set our target scores, after the</p>

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<p>to meet a given set of computing requirements in the context of the program's discipline.</p>			<p>analysis of at least 1 year of data. This analysis will be done shortly.</p>
<p>3. Communicate effectively in a variety of professional contexts.</p>	<p>S</p>	<p>Please see attached Curriculum map for the schedule of assessment as well as where these are being assessed.</p>	<p>As the program is quite new, we have collected assessment data for only year 1, and have not yet analyzed it. As per the ABET accreditation, we are to set our target scores, after the analysis of at least 1 year of data. This analysis will be done shortly.</p>
<p>4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.</p>	<p>C, R</p>	<p>Please see attached Curriculum map for the schedule of assessment as well as where these are being assessed.</p>	<p>As the program is quite new, we have collected assessment data for only year 1, and have not yet analyzed it. As per the ABET accreditation, we are to set our target scores, after the analysis of at least 1 year of data. This analysis will be done shortly.</p>
<p>5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.</p>	<p>C, W, S</p>	<p>Please see attached Curriculum map for the schedule of assessment as well as where these are being assessed.</p>	<p>As the program is quite new, we have collected assessment data for only year 1, and have not yet analyzed it. As per the ABET accreditation, we are to set our target scores, after the analysis of at least 1 year of data. This analysis will be done shortly.</p>

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6. Use systemic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.	C, Q, R, W	Please see attached Curriculum map for the schedule of assessment as well as where these are being assessed.	As the program is quite new, we have collected assessment data for only year 1, and have not yet analyzed it. As per the ABET accreditation, we are to set our target scores, after the analysis of at least 1 year of data. This analysis will be done shortly.

*\*Please reference any University Learning Goal(s) (ULG) that this SLO, if any, may address or assess. C=Critical Thinking, W=Writing & Critical Reading; S=Speaking and Listening; Q=Quantitative reasoning; R=Responsible Citizenship; NA=Not Applicable*

### Improvements and Changes Based on Assessment

1. Provide a short summary (1-2 paragraphs or bullets) of any curricular actions (revisions, additions, and so on) that were approved over the past two years as a result of reflecting on the student learning outcomes data. Are there any additional future changes, revisions, or interventions proposed or still pending?

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We are considering changing the targeted accreditation body from ABET to Association of Technology Management and Applied Engineering (ATMAE) to better reflect the needs and the capacity of the program. For this, me and few other administrators will be attending the ATMAE conference on Nov 9 - 11, 2022 to better understand the process. This change could result in change of the above listed student outcomes as well as the process.

2. Please provide a brief description or bulleted list of any improvements (or declines) observed/measured in student learning. Be sure to mention any intervention made that has not yet resulted in student improvement (if applicable).

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3. Using the form below, please document annual faculty and committee engagement with the assessment process (such as the review of outcomes data, revisions/updates to assessment plan, and reaffirmation of SLOs).

History of Annual Review		
Date of Annual Review	Individuals/Groups who Reviewed Plan	Results of the Review (i.e., reference proposed changes from #1 above, revised SLOs, etc...)
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### Dean Review & Feedback

The assessment data and collected for Computer & Information Technology (CIT) is positive. As a relatively new program (4 years), CIT is in the infancy of developing a solid assessment plan, the main

aim of which will be “closing the loop,” or using the assessment data to influence program improvement. As mentioned in the report, the program may pursue ATMAE accreditation, which is a change from the previous consideration of pursuing ABET accreditation. This change will necessitate modification of the program objectives to more closely align with ATMAE accreditation standards, and will result in a much for comprehensive assessment plan as accreditation is sought, using both direct and indirect measures to inform program improvements.

  
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Dean or designee

11/15/22  
Date

### **Academic Affairs Review & Feedback: B.S. Computer & Information Technology**

The SLO report documents the Computer & Information Technology program’s plan to pursue a new course of action in the realm of assessment. Using training and information from professional organizations such as the Accreditation Board of Engineering and Technology (ABET) and the Association of Technology Management and Applied Engineering (ATMAE), the program is weighing its options. The decision to prepare for accreditation from one body and not another will be instrumental in determining the shape and scope of the faculty’s assessment activity. The curriculum map, developed for ABET requirements, shows the program’s deliberate and careful approach to learning from the data gathered on student learning outcomes.



Suzie Park, VPAA Office

12/14/22

