### Undergraduate Degree Program

#### Information Technology - BS

#### Mission Statement
Offer high quality BS, MS, and PhD degree programs. Conduct top quality basic and applied research relevant to the field. Serve the university, industry, and regional community.

#### Student Learning Outcomes

FIU Information Technology - BS graduates should be able to achieve the following:

<table>
<thead>
<tr>
<th>Content/Discipline Knowledge Skills</th>
<th>Direct Measures</th>
</tr>
</thead>
</table>
| Demonstrate practical proficiency in selection, installation, customizing and maintenance of the state-of-the-art software systems. | **Procedure:**  
A sample of students’ responses (all students in one section) to embedded questions (designed by the faculty as appropriate) in the final examination of CGS 3767 is evaluated to assess the level of student achievement.  
**Rubric scale:**  
☐ Novice  
☐ Apprentice  
☐ Proficient  
☐ Expert  

**Sampling:**  
All students in one section of CGS 3767  

**Minimum Criteria for Success:**  
Students will demonstrate Proficiency or better on the scoring rubric.  

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A sample of students’ responses (all students in one section) to embedded questions (designed by the faculty as appropriate) in the final examination of COP 3643 is evaluated to assess the level of student achievement. Rubric scale:

- Novice
- Apprentice
- Proficient
- Expert

**Sampling:**
All students in one section of COP 3643

**Minimum Criteria for Success:**
Students will demonstrate Proficiency or better based on the scoring rubric.

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**Critical Thinking Skills**
Demonstrate proficiency in at least one area of specialization within the field of Information Technology including:

- System Administration
- Applied Network administration
- Databases
- Application Development

**Direct Measures**

**Procedure:**

Procedure: Student responses to embedded questions (designed by the faculty as appropriate) in the final examination of appropriate courses is evaluated to assess the level of student achievement. Rubric Scale:

- Novice
- Apprentice
- Proficient
- Expert

**Sampling:**
10 student responses or 10%, whichever is greater

**Minimum Criteria for Success:**
Students will demonstrate Proficiency or better based on the scoring rubric.

<table>
<thead>
<tr>
<th>Communication Skills</th>
<th>Direct Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Demonstrate effective communication skills in information technology</strong></td>
<td><strong>Procedure:</strong></td>
</tr>
<tr>
<td></td>
<td>Combined Student achievements in Term papers and presentations in CGS 3092 (Professional Ethics and Social Issues in Computer Science) are evaluated to assess student achievement in effective communication skills. The evaluation is done by a panel of at least two faculty members.</td>
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<tr>
<td></td>
<td><strong>Rubric Scale:</strong></td>
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<tr>
<td></td>
<td>□ Deficient</td>
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<tr>
<td></td>
<td>□ Adequate</td>
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<tr>
<td></td>
<td>□ Superb</td>
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<tr>
<td></td>
<td><strong>Sampling:</strong></td>
</tr>
<tr>
<td></td>
<td>All students in CGS 3092</td>
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<tr>
<td></td>
<td><strong>Minimum Criteria for Success:</strong></td>
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<tr>
<td></td>
<td>Every student will demonstrate Adequate or above communications skills on the scoring rubric.</td>
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</tbody>
</table>