### Academic Assessment Plan - AY 2013-2014

**Name of Program:** B.S. Computer Science  
**School/Department:** Computer Science  
**College:** CNAHS

### Program SLOs:

(List Program SLOs) Students who graduate with a BS in Computer Science should be able to:

- **SLO1:** Apply knowledge of computing and mathematics appropriate to the discipline. (KU 1, 4) (GE K1, S1, S3, S4, S5)
- **SLO2:** Analyze a problem and identify and define the computing requirements appropriate to its solution. (KU 1, 4) (GE K1, S1, S3, S4, V2)
- **SLO3:** Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs. (KU 1, 2, 3) (GE K1, S1, S2, S3, S4, S5)
- **SLO4:** Use current techniques, skills, and tools necessary for computing practice. (KU 1, 2, 4) (GE K1, S1, S2, S5, V5)

* KU Student Outcomes: Kean University graduates should be able to:
  1. Think critically, creatively and globally;  
  2. Adapt to changing social, economic, and technological environments;  
  3. Serve as active and contributing members of their communities; and  
  4. Advance their knowledge in the traditional disciplines (GE) and enhance their skills in professional areas (Prof. pgms)

**General Education Student Learning Outcomes**

**Student Learning Outcomes – Knowledge:** Students will demonstrate proficiency in knowledge and content by:

(K1) applying the scientific method to understand natural concepts and processes;  
(K2) evaluating major theories and concepts in social sciences;  
(K3) relating historical references to literature; and  
(K4) evaluating major theories and concepts in the fine arts.

**Student Learning Outcomes – Skills:** Students will demonstrate the skills necessary to:

(S1) write to communicate and clarify learning;  
(S2) communicate effectively through speech;  
(S3) solve problems using quantitative reasoning;  
(S4) think critically about concepts in multiple disciplines; and  
(S5) show information literacy.

**Student Learning Outcomes – Values:** Students will exhibit a set of values that demonstrates:

(V1) personal responsibility  
(V2) ethical and social responsibility  
(V3) social and civic engagement  
(V4) respect for diverse cultures and perspectives  
(V5) life-long learning
<table>
<thead>
<tr>
<th>Program Level Student Learning Outcomes (Add rows for additional SLOs)</th>
<th>Assessment Measure(s) (Add rows if necessary)</th>
<th>Assessment Criteria (Describe how data is collected--rubric, survey, etc.)</th>
<th>Results of Assessment (Specific to Data Collected)</th>
<th>Action Taken (Closing the Loop: New action or follow up from last Assessment Report)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SLO #1:</strong> Apply knowledge of computing and mathematics appropriate to the discipline.</td>
<td>Direct #1: CPS 4951: Project report scored with rubric to show achievement of program goals.</td>
<td>Requirements document</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Indirect: Program Completer Survey</td>
<td>Qualtrics Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SLO #2:</strong> Analyze a problem and identify and define the computing requirements appropriate to its solution.</td>
<td>Direct #1: CPS 4951: Project report scored with rubric to show achievement of program goals.</td>
<td>Design document</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Indirect: Program Completer Survey</td>
<td>Qualtrics Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SLO #3:</strong> Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.</td>
<td>Direct #1: CPS 4951: Project demonstration scored with rubric to show achievement of program goals.</td>
<td>Design document and presentation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Indirect: Program Completer Survey</td>
<td>Qualtrics Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SLO #4</strong> Use current techniques, skills, and tools necessary for computing practice.</td>
<td>Direct: CPS 4951: Project report and oral presentation scored with rubric to show achievement of program</td>
<td>Presentation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>goals</td>
<td>Indirect: Program Completer Survey</td>
<td>Qualtrics Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------------------</td>
<td>------------------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>