

## CIS AS Computer Information Science

| PLO   | PLO Reflection (What were the strong points and weak points students demonstrated in the courses? What areas need more attention? What do your results show about student learning?)  | PLO Action Plan (include timeline for implementation, key/responsible personnel, priority high/medium/low, status report/reflection on results of action plan)  |
|---|---|---|
| <p>Students who receive a degree in Computer Information Systems will be able to: solve problems and conduct experiments in basic computer science.</p> | <p>Students demonstrated strength in conduct experiments in solutions utilization with the Raspberry Pi tool.</p>   | <p>Continue to assign more assignments, activities and projects for them to design solutions to problem with the use of the Raspberry Pi tool. Assigned instructor will implement additional resources in Fall 2017 to continue hands on activities to continue practice on strengthen the students problem solving skills.</p>     |
| <p>Solve mathematical problems using calculus, linear algebra, discrete math and differential equations.</p>  | <p>There are some students who showed a weakness in their understanding of how mathematical skills are related in the problem solving process; which effects the outcome of their problem solving skills.</p>   | <p>Continue to assign more assignments, activities and projects that will allow more time for the student to improve their critical thinking skills for better problem solving outcomes. Assigned instructor will implement additional resources and updates to help in the improvement of problem solving skills in Fall 2017.</p> |
| <p>Create and program algorithmic solutions to solve problems.</p>  | <p>Students demonstrated weakness to express their solution in a programming language. The students weakness in the translation of the logic from the flowchart and or pseudocode to the coding (programming language); indicates more mini projects to have more hands on in working through the phases of developing an algorithm and coding process.</p> | <p>Continue to assign more assignments, activities and projects for them to improve on the translation of the logic form the flowchart to the programming language. Assigned instructor will implement additional resources in Fall 2017.</p>   |