BS in Computer Science – Program Outcomes and Assessment Plan

College of Physical Sciences and Engineering
Department of Computer Science and Electrical Engineering

April 11, 2012

Program Outcome 1
What will our students know, be able to do, or become?

• Graduates of the Computer Science program will know how to learn (They will be well versed in acquiring, assimilating, and developing new knowledge)

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

• Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

• Plans

Program Outcome 2
What will our students know, be able to do, or become?

• Graduates of the Computer Science program will possess well developed problem solving skills (they will possess a well developed toolkit of problem solving techniques enabling them to solve problems in a diverse set of domains).

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

• Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

• Plans

Program Outcome 3
What will our students know, be able to do, or become?

• Graduates of the Computer Science program will have a firm grounding in the principles and practices of software engineering (they will approach projects in an organized and methodical manner regardless of the scope or context of the project).
Evidence of Learning
How will we know that our students have learned, developed skills, or become?

• Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

• Plans

Program Outcome 4
What will our students know, be able to do, or become?

• Graduates of the Computer Science program will be able to convert requirements into code (they will be able to solve software problems and author robust code).

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

• Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

• Plans

Program Outcome 5
What will our students know, be able to do, or become?

• Graduates of the Computer Science program will be disciple leaders with a strong testimony (their testimony will be stronger and better developed than when they arrived, enabling them to be better servants to the Lord).

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

• Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

• Plans
Program Outcome 6
What will our students know, be able to do, or become?

- Graduates of the Computer Science program will possess strong interpersonal skills (they will be able to communicate and function socially in a wide variety of different contexts).

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

- Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

- Plans

Program Outcome 7
What will our students know, be able to do, or become?

- Graduates of the Computer Science program will possess qualifications that are in demand in today’s job market (they will be desirable candidates to many worthwhile employers).

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

- Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

- Plans

Program Outcome 8
What will our students know, be able to do, or become?

- Graduates of the Computer Science program will possess an attitude of service and a desire to learn.

Evidence of Learning
How will we know that our students have learned, developed skills, or become?

- Evidence

Taking Informed Action
What changes and improvements does the evidence suggest? What changes have been made or planned?

- Plans
General Analysis and Action

Overall, how well are our students progressing toward our outcomes?

Which students are progressing well?

What do we know about why they are doing well?

Which students aren't making good progress?

What do we know about them?

Having gathered evidence, resources, and colleagues, we have identified these strengths:

1

2

Having gathered evidence, resources, and colleagues, we have identified these action steps for improvement:

1

2