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General Information (Academic Assessment Workspace)
Standing Requirements

Mission Statement

The Department of Computer Science and Applied Mathematics at Philander Smith College is committed to being academically distinct in meeting the educational needs and improving the quality of life through cutting-edge curricula, partnerships and community involvement.

Learning Objective/Outcome

BS in Mathematics Outcome Set

<table>
<thead>
<tr>
<th>Outcome</th>
<th>Mapping</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Involve undergraduates in active research</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Academic Performance</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Enhance Students Academic Performances and readiness for mathematics and computation careers and graduate studies</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Freshmen Math Background</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Improve incoming freshmen in math background</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Enrollment</td>
<td>No Mapping</td>
</tr>
<tr>
<td>Increase the number of students Majoring in math and CS</td>
<td>No Mapping</td>
</tr>
</tbody>
</table>

Curriculum Map

There are no curriculum maps
2009-2010 Assessment Cycle

- Assessment Plan
- Assessment Findings
- Operational Plan
- Status Report
2010-2011 Assessment Cycle

- Assessment Plan
- Assessment Findings
- Operational Plan
- Status Report
2012-2013 Assessment Cycle

- Assessment Plan
- Assessment Findings
- Operational Plan
- Status Report
2013-2014 Assessment Cycle

Assessment Plan

Mission Statement

The Department of Computer Science and Applied Mathematics at Philander Smith College is committed to being academically distinct in meeting the educational needs and improving the quality of life through cutting-edge curricula, partnerships and community involvement.

Outcomes and Measures

BS in Mathematics Outcome Set

Outcome

Research
Involve undergraduates in active research

Measure: compete for research opportunities
Direct - Student Artifact

Details/Description:
Acceptable Target: Continue to identify Research Opportunities, At least 30% CS and Mathematics students participate in research activity
Ideal Target:
Implementation Plan (timeline):
Key/Responsible Personnel:

Academic Performance
Enhance Students Academic Performances and readiness for mathematics and computation careers and graduate studies

Measure: Enhance student academic performance and readiness
Other level; Direct - Exam

Details/Description:
Acceptable Target: At least 50% of students will improve their GPA/GRE scores the end of participation in action plan
At least 50% of seniors will pass their Exit Exam
Ideal Target:
Implementation Plan (timeline):
Key/Responsible Personnel:

Freshmen Math Background
Improve incoming freshmen in math background

Measure: ACT CAAP

Details/Description:
Acceptable Target: Grades in mathematics courses
Ideal Target:
Implementation Plan (timeline):
Key/Responsible Personnel:
### Enrollment
Increase the number of students Majoring in math and CS

<table>
<thead>
<tr>
<th>Measure: Number of Majors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Details/Description:</td>
</tr>
<tr>
<td>Acceptable Target:</td>
</tr>
<tr>
<td>Ideal Target:</td>
</tr>
<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
</tr>
</tbody>
</table>

### Assessment Findings

#### Finding per Measure

#### BS in Mathematics Outcome Set

#### Outcome

<table>
<thead>
<tr>
<th>Research</th>
</tr>
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<tbody>
<tr>
<td>Involve undergraduates in active research</td>
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</table>

<table>
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<tr>
<th>Measure: compete for research opportunities</th>
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<tr>
<td>Details/Description:</td>
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<td>Acceptable Target: Continue to identify Research Opportunities, At least 30% CS and Mathematics students participate in research activity</td>
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<td>Ideal Target:</td>
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<tr>
<td>Implementation Plan (timeline):</td>
</tr>
<tr>
<td>Key/Responsible Personnel:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Findings for compete for research opportunities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summary of Findings: 25% of CS students participated in research activities. Total of seven students presented in local and national conferences</td>
</tr>
<tr>
<td>Results: Acceptable Target Achievement: Not Met</td>
</tr>
<tr>
<td>Recommendations:</td>
</tr>
<tr>
<td>Reflections/Notes:</td>
</tr>
</tbody>
</table>

### Academic Performance

Enhance Students Academic Performances and readiness for mathematics and computation careers and graduate studies

<table>
<thead>
<tr>
<th>Measure: Enhance student academic performance and readiness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Details/Description:</td>
</tr>
<tr>
<td>Acceptable Target: At least 50% of students will improve their GPA/GRE scores the end of participation in action plan</td>
</tr>
<tr>
<td>Ideal Target:</td>
</tr>
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<td>Implementation Plan (timeline):</td>
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<td>Key/Responsible Personnel:</td>
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</tbody>
</table>
Findings for Enhance student academic performance and readiness

Summary of Findings: Pending analysis by the end of 2013
Recommendations: 
Reflections/Notes:

Freshmen Math Background
Improve incoming freshmen in math background

Measure: ACT CAAP

Details/Description:
Acceptable Target: Grades in mathematics courses
Ideal Target:
Implementation Plan (timeline):
Key/Responsible Personnel:

Findings for ACT CAAP

Summary of Findings: Pending analysis by the end of 2013
Recommendations: 
Reflections/Notes:

Enrollement
Increase the number of students Majoring in math and CS

Measure: Number of Majors

Details/Description:
Acceptable Target: Increase the Number of Students by 10% every year
Ideal Target:
Implementation Plan (timeline):
Key/Responsible Personnel:

Findings for Number of Majors

Summary of Findings: In 2007, there were 29 students. The number is increased to be 68 by Spring 2013
Recommendations: 
Reflections/Notes:

Overall Recommendations

No text specified

Overall Reflection

No text specified
Operational Plan

Mission Statement

The Department of Computer Science and Applied Mathematics at Philander Smith College is committed to being academically distinct in meeting the educational needs and improving the quality of life through cutting-edge curricula, partnerships and community involvement.

Actions

BS in Mathematics Outcome Set

Research
Involves undergraduates in active research

Action: Increase students

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action details: HBCU-UP II would help in increasing the number of students participating in REUs.

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Budget approval required? (describe):

Budget request amount: $0.00

Priority:

Academic Performance
Enhance Students, Academic Performances and readiness for mathematics and computation careers and graduate studies

Action: Increase Expectations

This Action is associated with the following Findings
No supporting Findings have been linked to this Action.

Action details: Request at least a c in math general education courses
Facilitate students participation on GRE or Equivalent tests
Record students scores in GRE/Exit Exam

Implementation Plan (timeline):

Key/Responsible Personnel:

Measures:

Budget approval required? (describe):

Budget request amount: $0.00

Priority:
### Freshmen Math Background

**Improve incoming freshmen in math background**

**Action**: Help the Students

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action details**: Supplemental instructions and tutoring sessions to be offered to students who score low (lower than 50th percentile on the math and science sections of the ACT).

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Budget approval required? (describe):**

**Budget request amount**: $0.00

**Priority:**

### Enrollement

**Increase the number of students Majoring in math and CS**

**Action**: Actively recruit, advise and support majors

**This Action is associated with the following Findings**
No supporting Findings have been linked to this Action.

**Action details**: Active Recruiting
Consistent Advising system and Procedure
Aggressive support for majors

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Budget approval required? (describe):**

**Budget request amount**: $0.00

### Status Report

**Action Statuses**

### BS in Mathematics Outcome Set

#### Outcome

**Research**

**Involve undergraduates in active research**

**Action**: Increase students

**Action details**: HBCU-UP II would help in increasing the number of students participating in REUs.

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**
**Academic Performance**
Enhance Students
Academic Performances and readiness for mathematics and computation careers and graduate studies

**Action: Increase Expectations**

**Action details:**
- Request a least a c in math general education courses
- Facilitate students participation on GRE or Equivalent tests
- Record students scores in GRE/ Exit Exam

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Budget approval required? (describe):**

**Budget request amount:** $0.00

**Priority:**

**Status for Increase Expectations**

No Status Added

---

**Freshmen Math Background**
Improve incoming freshmen in math background

**Action: Help the Students**

**Action details:**
- Supplemental instructions and tutoring sessions to be offered to students who score low (lower than 50th percentile on the math and science sections of the act)

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Budget approval required? (describe):**

**Budget request amount:** $0.00

**Priority:**

**Status for Help the Students**

No Status Added
<table>
<thead>
<tr>
<th><strong>Enrollement</strong></th>
<th></th>
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<tbody>
<tr>
<td>Increase the number of students Majoring in math and CS</td>
<td><strong>Action:</strong> Actively recruit, advise and support majors</td>
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</table>

**Action details:** Active Recruiting
Consistent Advising system and Procedure
Aggressive support for majors

**Implementation Plan (timeline):**

**Key/Responsible Personnel:**

**Measures:**

**Budget approval required? (describe):**

**Budget request amount:** $0.00

**Priority:**

**Status** for Actively recruit, advise and support majors

---

**Status Summary**

*No text specified*

**Summary of Next Steps**

*No text specified*