

The background of the slide features a dark purple circular emblem with a network of white dots and lines, resembling a molecular or digital structure. The text is centered and white.

FLORIDA

POLYTECHNIC

UNIVERSITY

Select Committee on Florida Polytechnic University

Randy Avent
22 June 2016

Candidacy Status



- **Florida Poly was approved as a candidate for SACSCOC accreditation at the June 16 SACSCOC Board meeting**

Outline

- Introduction
- Statutory requirements
- Cost per Undergraduate degree
- Work Plan plan
- Summary



Statutory Requirements

✓ Completed

 Good Progress

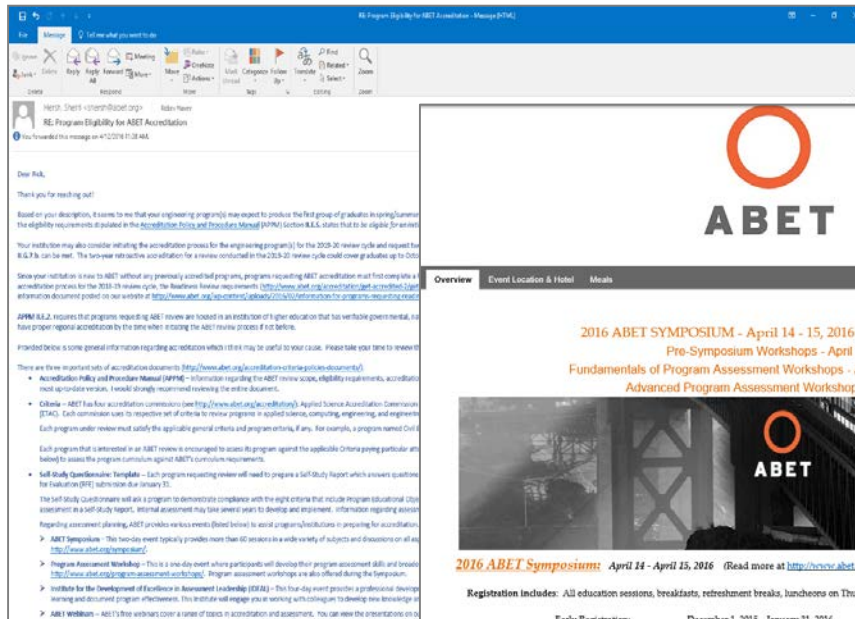
 Slow Progress

 Poor Progress


Criteria	Directives	Completed	Progress
STEM Academic Programs	5	5	✓
Student Enrollment	4	3	
Administrative Capability	2	2	✓
Accreditation	14	6	
Discipline-specific Accreditation	1	1	✓
Facilities & Construction	3	3	✓

- Continuing to make strong progress on two remaining statutes

Discipline Specific Accreditation




Subject: FW: Florida Polytechnic - ABET Accreditation
Date: Thursday, June 16, 2016 at 10:02:10 PM Eastern Daylight Time
From: Elhami Nasr
To: Randy Avent
CC: Rickey Maxey



Overview | Event Location & Hotel | Meals

f | t | in

2016 ABET SYMPOSIUM - April 14 - 15, 2016 - Hollywood, Florida
Pre-Symposium Workshops - April 13, 2016
Fundamentals of Program Assessment Workshops - April 13 and April 16, 2016
Advanced Program Assessment Workshop - April 16, 2016



2016 ABET Symposium: April 14 - April 15, 2016 (Read more at <http://www.abet.org/symposium>)

Registration includes: All education sessions, breakfasts, refreshment breaks, luncheons on Thursday, April 14 and Friday, April 15

Registration Type	Period	Cost
Early Registration	December 1, 2015 - January 31, 2016	\$895.00
Regular Registration	February 1, 2016 - March 13, 2016	\$995.00
Late Registration	March 14, 2016 - March 28, 2016	\$1,095.00
*Onsite Registration	April 13, 2016 - April 14, 2016	\$1,199.00

Pre-Symposium Workshops: Wednesday, April 13, 2016

Fundamentals of Program Assessment (read at <http://www.abet.org/program-assessment-workshops>)

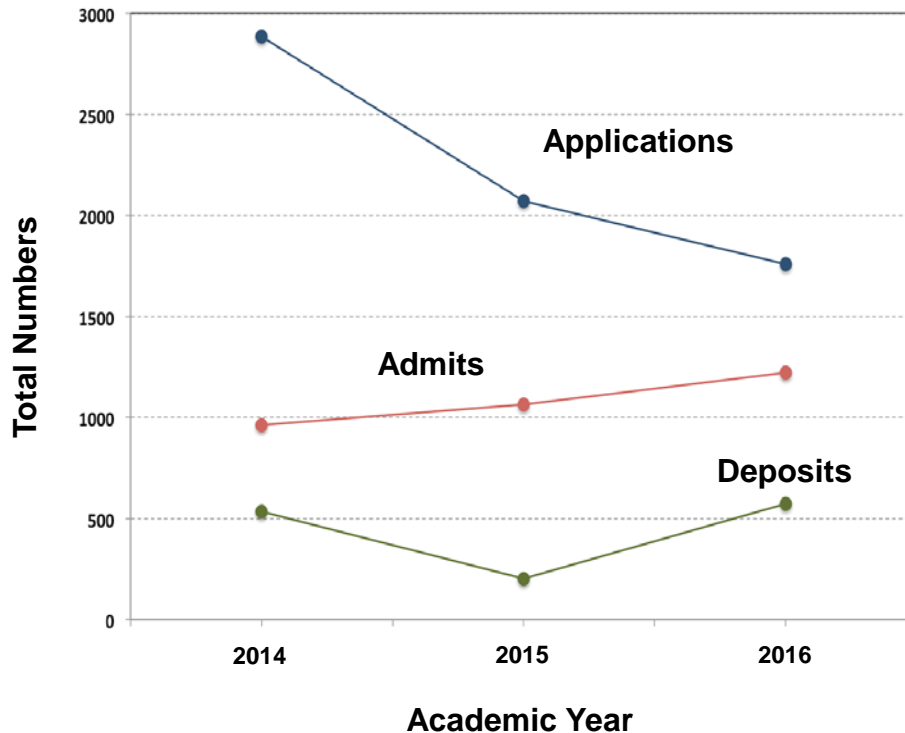
Registration	Period	Cost
Registration	December 1, 2015 - March 28, 2016	\$495.00*

*\$100.00 off workshops with Symposium Registration paid in full by March 13, 2016

editation

Attended 2016 ABET Symposium and discussed eligibility and process with administrators

Enrollment Trends



- **Enrollment Trends**

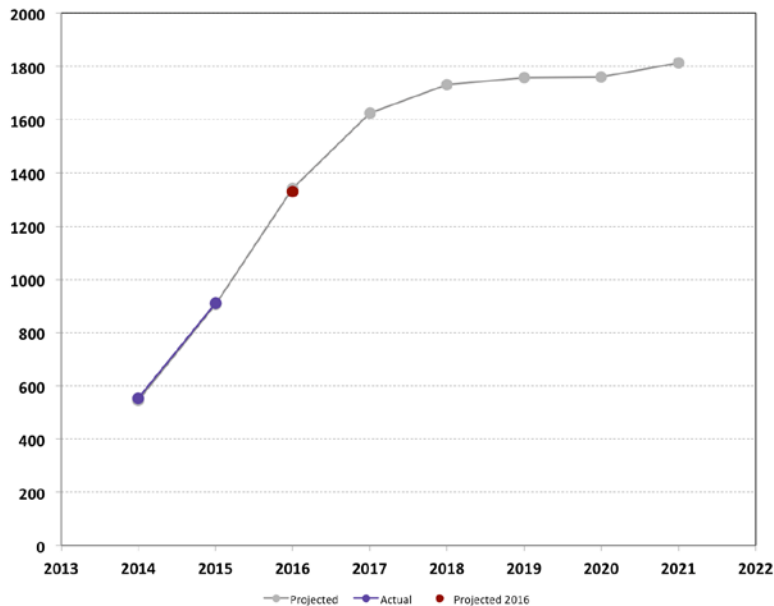
- Applications down 40%
- Admits up 27% for same Academic Quality
- Deposits up 8% from 2014, 182% from 2015

- **Quality admits**

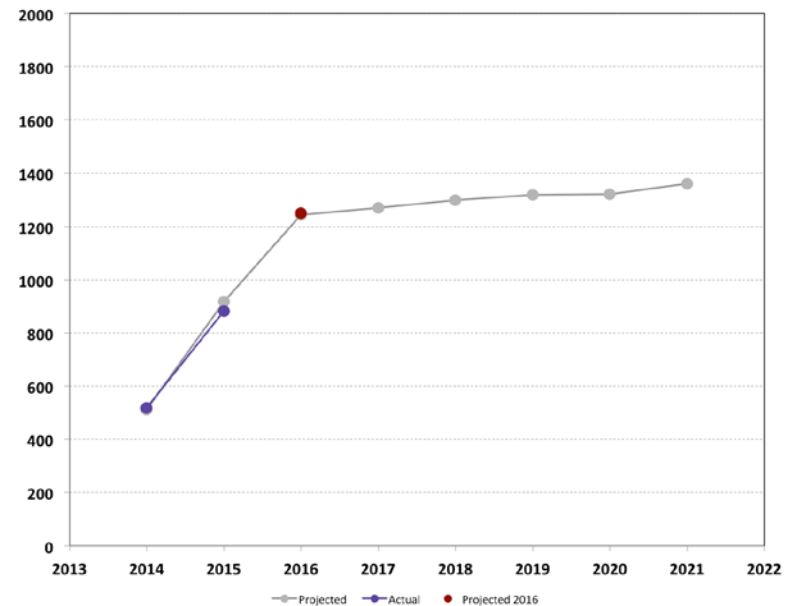
- Two Fulbright Scholars
- 1 Valedictorian
- 2 Salutatorians
- 1 National Merit Finalist

Enrollment Growth

• Headcount

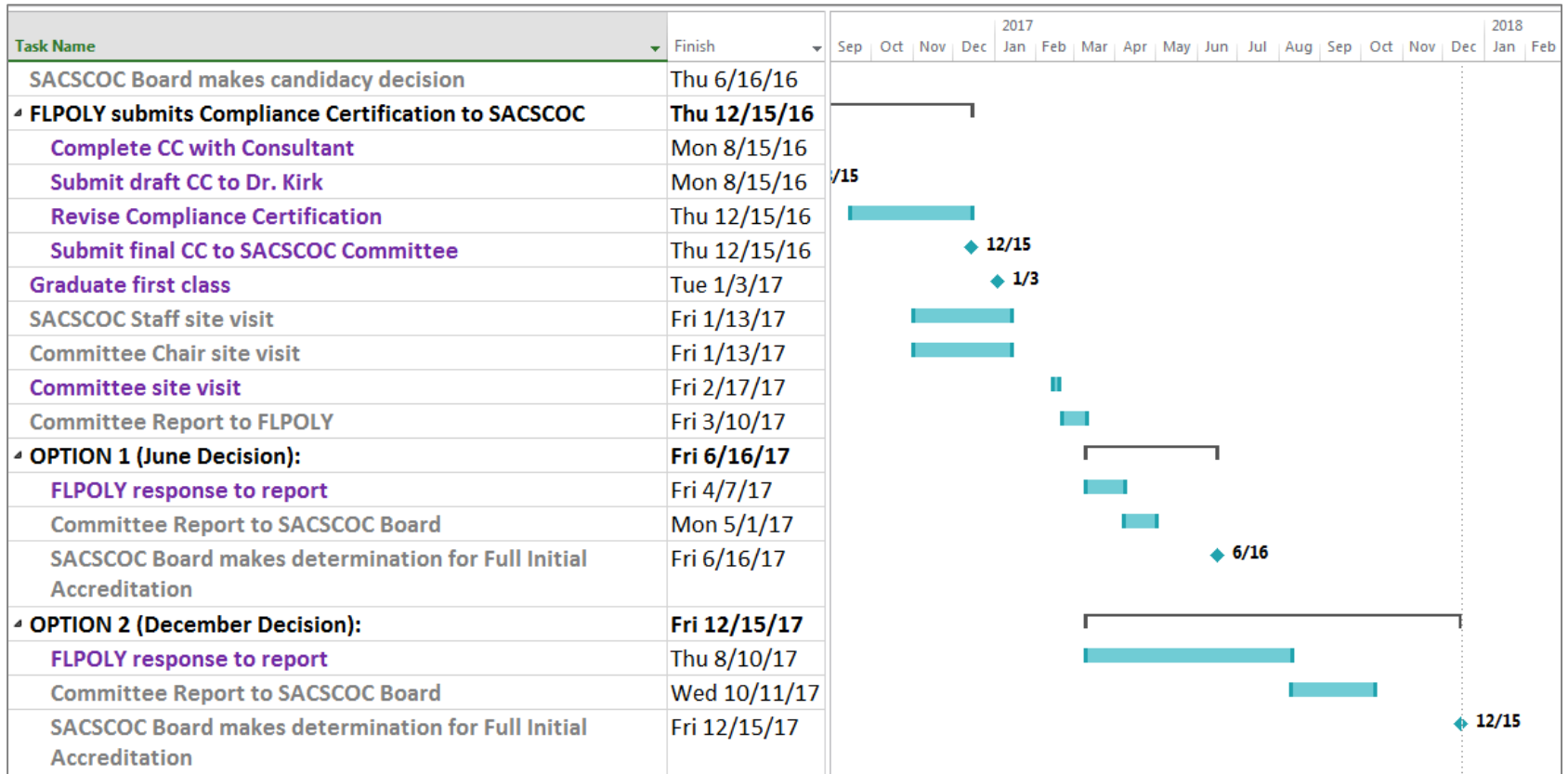


• FTE



Making strong progress towards meeting the FTE requirement

Accreditation Timeline

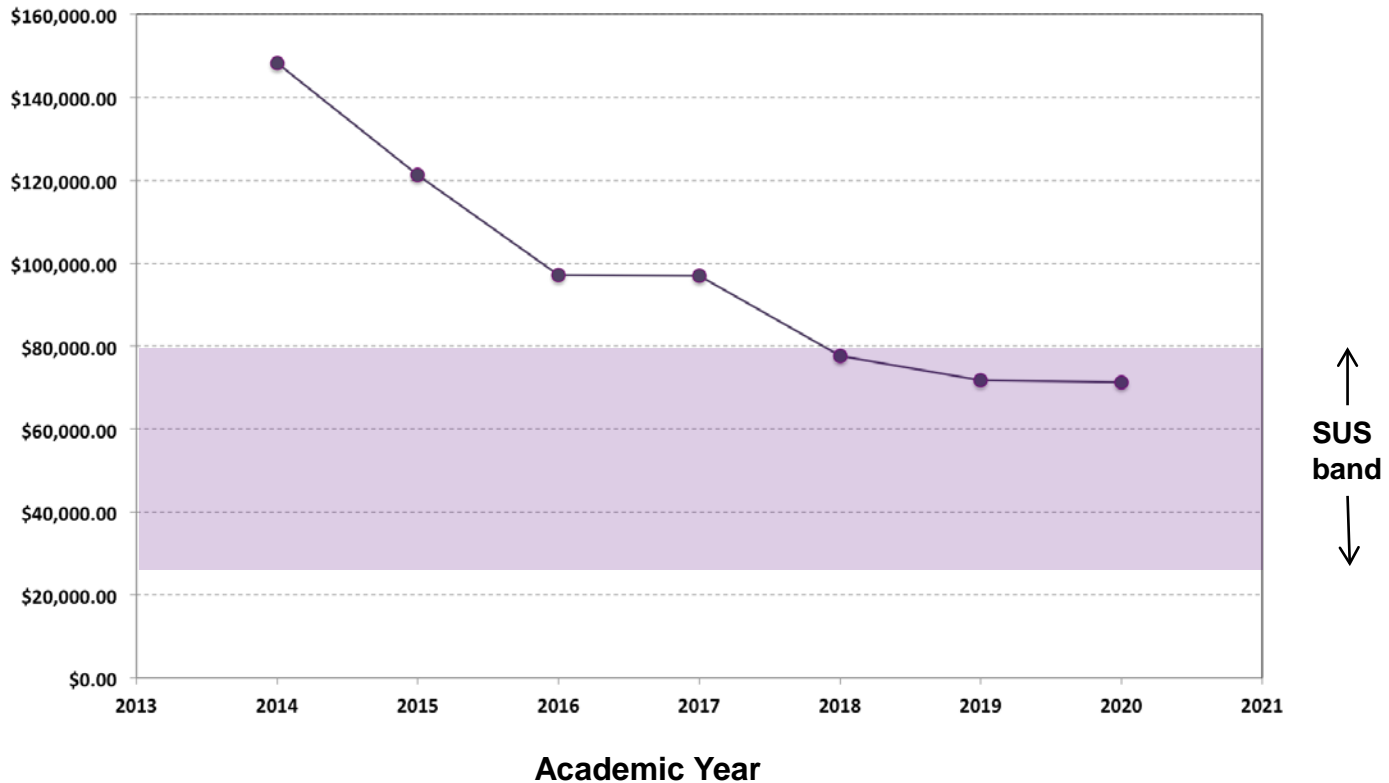


Compliance Certification is nearing completion with focus on assessment across the institution

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- Statutory requirements
- **Cost per Undergraduate degree**
- **Work Plan plan**
- **Summary**

Four-year Cost per Degree



- Estimates to be further refined with new ERP system where expenditures are better tracked

Root Causes









- **Increased operational efficiencies**
 - Flat organization
 - Centralized services with porous boundaries
 - Minimal number of enterprise services
 - Cloud-based IT
- **University size strongly correlates with cost/degree**
 - Change the course scheduling process
 - Re-engineer concentrations in the curriculum
 - Grow average class sizes
- **STEM programs will be more expensive than non-STEM**
 - STEM faculty are 40% more expensive than non-STEM
 - STEM programs require laboratories and expensive test equipment
 - Workforce preparation requires projects with material costs

Potential for strategic discussions after statutory requirements have been met

















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SUS Performance Metrics











	June 2014
• Percent BS graduates employed	
• Average wages for BS graduates	
• Cost per UG degree	
• Six-year graduation rate	
• Second-year retention rate	
• BS awarded in strategic areas	
• University access rate	
• Graduate degrees in strategic areas	

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	June 2014	June 2016
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- Detailed numbers to be presented at September Board meeting

“Problematic” Courses

Course	Withdrawal Rate	GPA	Status
Analytic Geometry and Calculus 1	20%	2.26	
Analytic Geometry and Calculus 2	21%	2.47	
Chemistry (incl. Lab)	11%	2.56	
Introduction to Computation and Programming	9%	2.92	
Physics 1 (incl. Lab)	9%	3.01	
Introduction to Philosophy	7%	2.32	
Introduction to Engineering Design	5%	3.20	
Introduction to Engineering	5%	3.23	
Biology 1 (incl. Lab)	3%	2.90	
Ethics	3%	3.37	

Problematic



Needs Some Attention



No attention needed

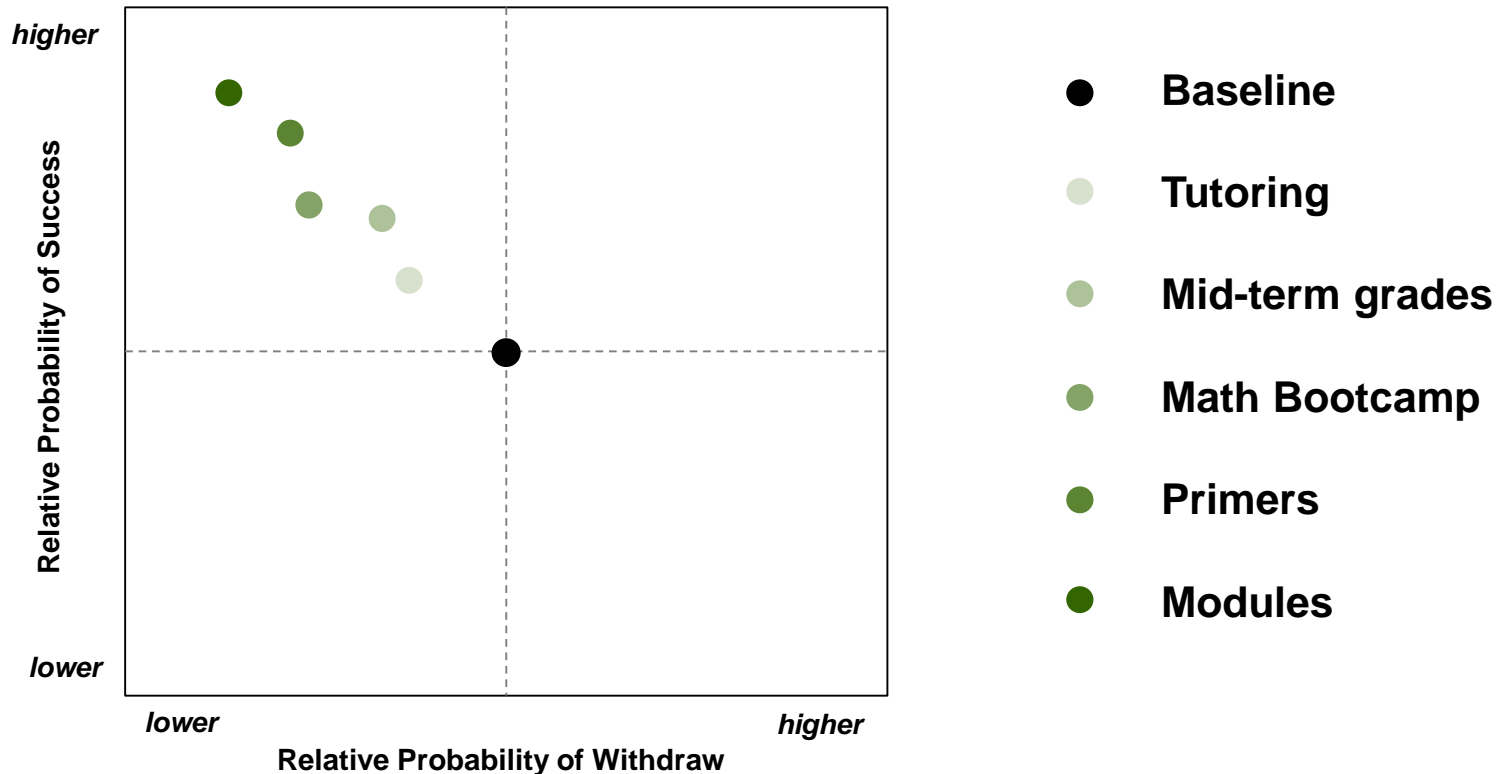


Calculus has the highest withdrawal rates and lowest GPA

Retention Mitigation Strategies

- **Retention programs included in all Work Plans presented**
 - Academic Success Center (tutors, embedded tutors, mid-terms)
 - Summer Math “Bootcamps”
 - Advanced teaching methods (modules, applied, primers)
 - Success Coaches
- **Better admissions using predictive analytics**
 - Reduce admissions to become more selective
 - Academic Quality (GPA, SAT, ACT)
 - Concurrent factors (faculty status, time-of-day)
 - Grit tests
- **Introduction of “retreat” majors**
 - Programs consistent with Poly mission
 - “Going Backwards”

Retention Initiatives Results

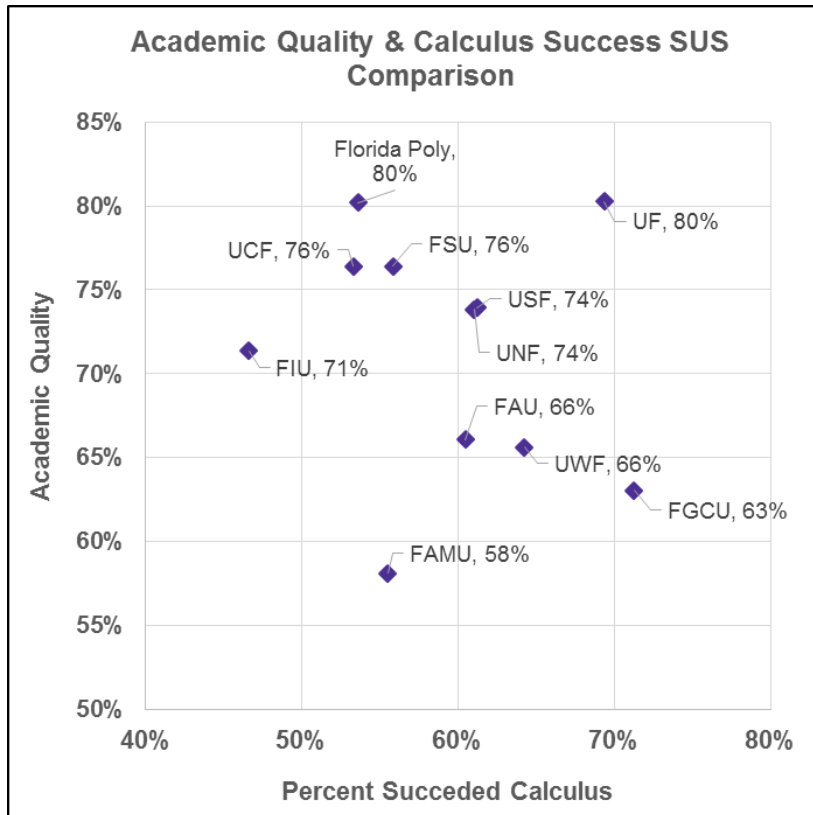


- Initiatives that required students attendance outside the classroom were less effective than classroom-based approaches

Summary

- **Making strong progress on statutory requirements**
- **Cost per UG degree remains high and is unlikely to be competitive without major changes to the University mission**
- **Problematic areas for Performance Based Funding center around retaining students and costs consistent with engineering programs**
- **Focus remains on building the university while improving projected weaknesses**

Calculus Success - SUS Comparisons



- **High Academic Quality**
- **Florida Poly is one of three institutions with lowest calculus success and highest withdrawal rate**
- **AQ may have a weak correlation with calculus success**