Kentucky Student Success Summit Louisville, Kentucky April 3, 2017

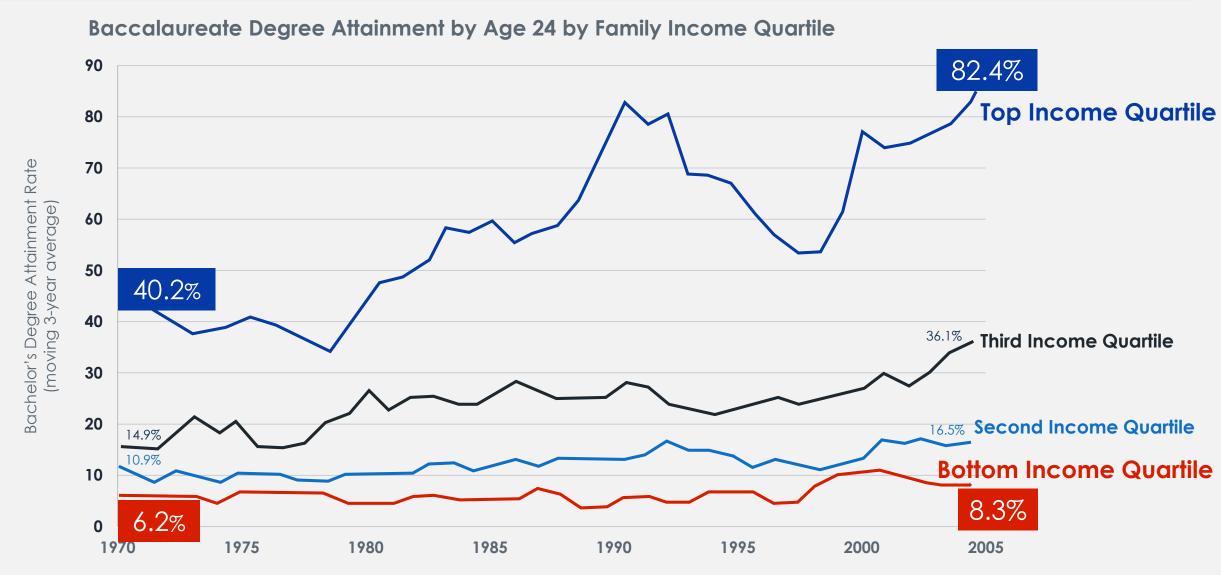
Creating a Student-Ready and Student-Centered University Through Data and Analytics

Timothy M. Renick, Ph.D. Vice President for Enrollment Management & Student Success and Vice Provost



The Challenge in Front of Us





Source: New York Times, "The Reproduction of Privilege," March 12, 2012

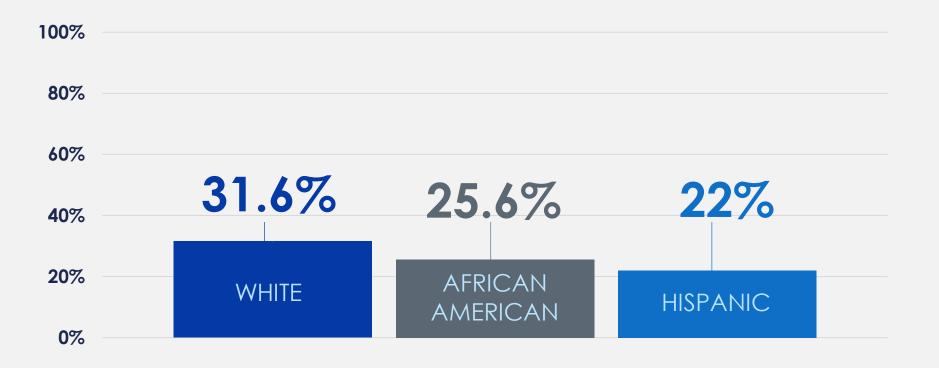
- 32,500 Students on the Atlanta campus
- Research University status achieved in 1995
- 50,000+ Students as of 2016 with Perimeter College Consolidation



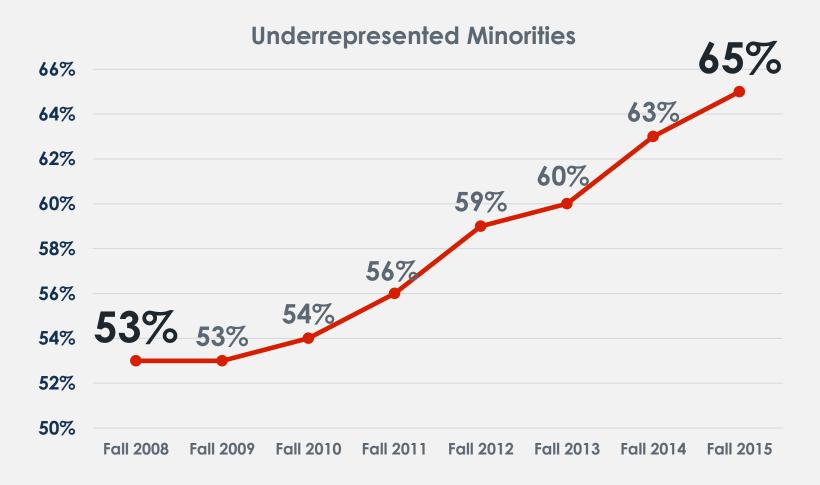




Where we where: 2003



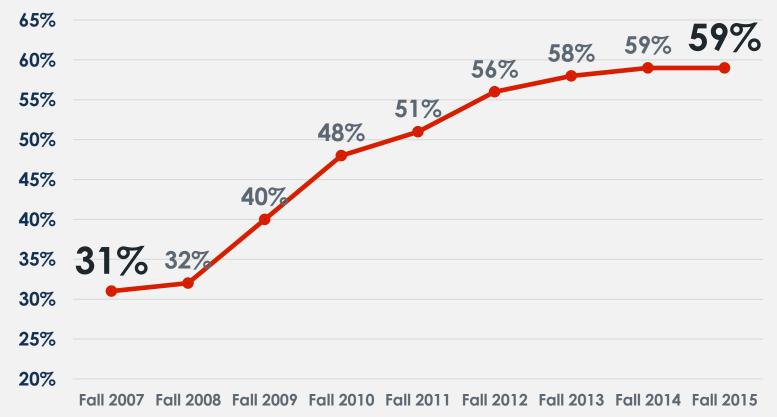


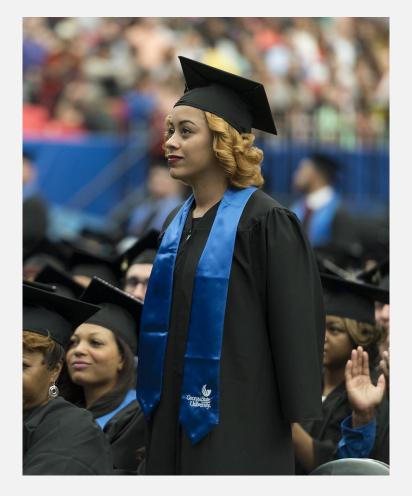






Percent of Georgia State Undergraduates on PELL





SAT SCORES -28 points

Appropriations Cuts

-\$40 million

Are We the Problem?





Fall 2015

Confirmed GSU Freshman Who Never Attended Any College: 278

Non-white	76%
First Generation	45%
Low Income	71%

Avg. High School GPA 3.34

The Hidden Obstacles to Enrollment

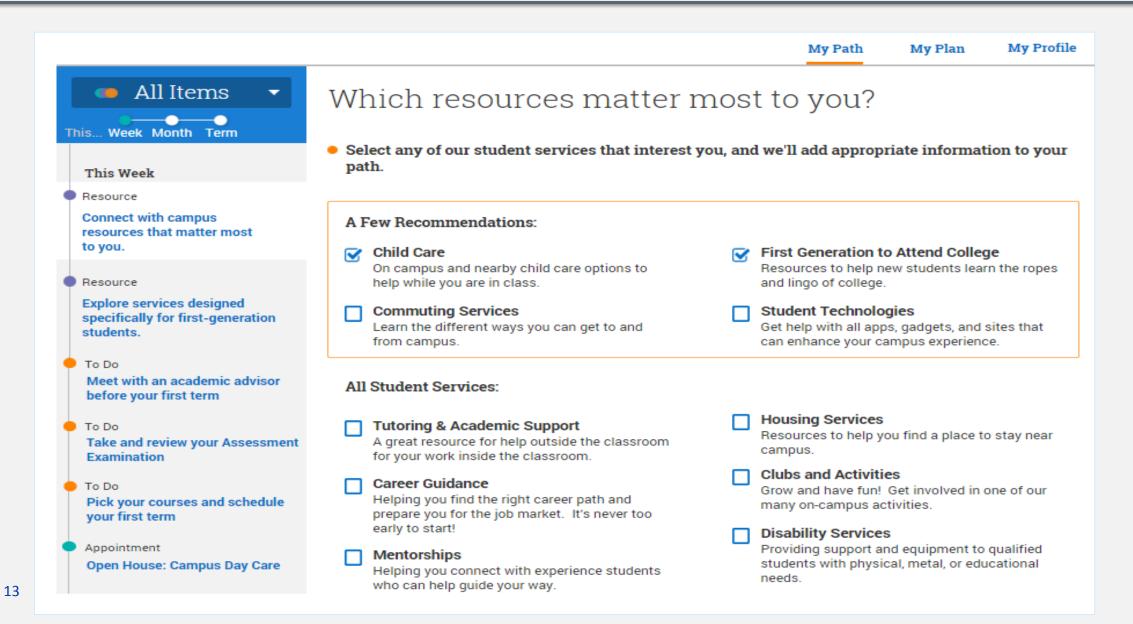


- Federal Financial Aid Application
- Verification Request
- State of Georgia Immunization Proof
- Taking Placement Exams
- Registering for Classes



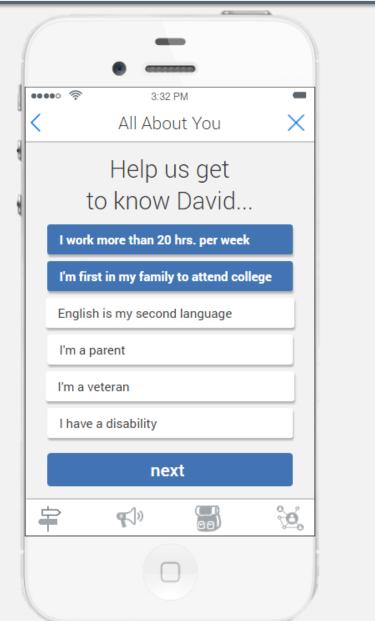
Portal to Guide Students Through Next Steps

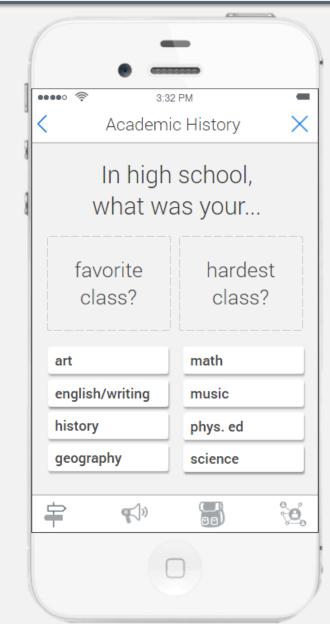


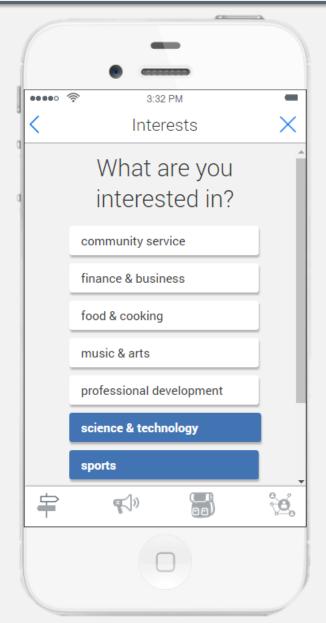


Personalized Interactions Before Enrollment

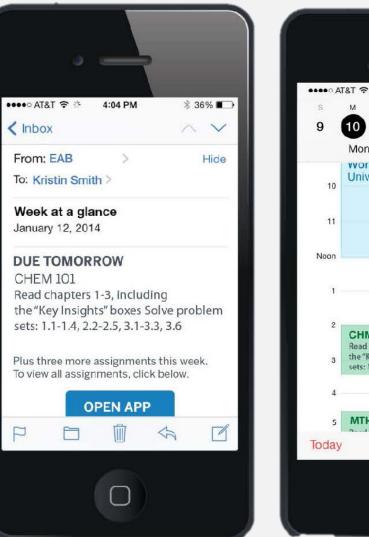








Nudges and Chat-bots on Smart Devices





NUMBER OF KNOWLEDGE - BASED TEXTS SENT **OVER** FIRST 3 MONTHS: 201,000



2015: 18% 2016: 14% (-22%) For students receiving the full suite of new interventions, Melt was reduced by 51%





Summer Success Academy

- 420 highest at-risk freshmen (academic analytics)
- Summer session before freshman fall with 7 credit hours of bachelor's-level work
- Intensive advisement
- Academic skills
- Financial literacy training
- Team building

Retention Rate 2011: 50% Retention Rate today: 87%



Overwhelming Choices





Academic Guides with Live Job Data

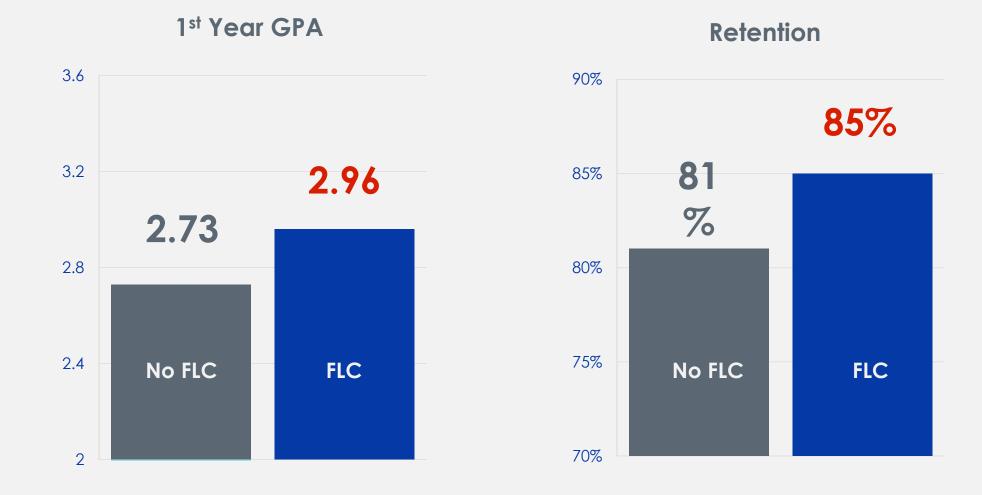


		ore majors and certificates that work for y	ou.	
	You chose this on your application	Would you consider Explore these possibilities for you based on your interests and priorities		Find more options
	Nursing A.S.	Medical Office Assistant Certificate	Radiologic Technology A.A.S	Health Studies A.S.
	Learn More	Learn More	Learn More	Learn More
	Selected	Explore	Explore	
Classes/Credits	20 classes / 60 credits	8 classes / 24 credits	20 classes / 55 credits	20 classes / 62 credits
Time to Complete	2 years	1 year	2 years	2.25 years
Financial Aid	×	May not be Financial Aid eligible	×	×
Total Tuition	\$9,176 in state	\$3,641 in state	\$8,850 in state	\$9,427 in state
Outcomes	High rate of transfer to 4-year colleges	Students seek employment or another stackable certificate	Most students seek employment post-graduation	High rate of transfer to 4-year colleges
Average Salary	\$38,500 \$51,100 with BA degree	\$29,129	\$37,819	\$42,774 \$51,553 with BS degree
Hiring Demand	129 job posts	137 job posts	459 job posts	661 job posts
	Selected	Explore	Explore	Explore

Freshman Learning Communities & Meta Majors



Freshman Learning Communities with block schedules of 5 to 6 courses: 95% of non-Honors freshmen (Opt-out model)





Business Education Exploratory STEM Humanities & Arts Health Professions Policy/Social Science





MAJOR MAJOR 2-YEAR CHANGES CHANGES CHANGE IN 2015 IN 2013 -32% 2,718 1,853



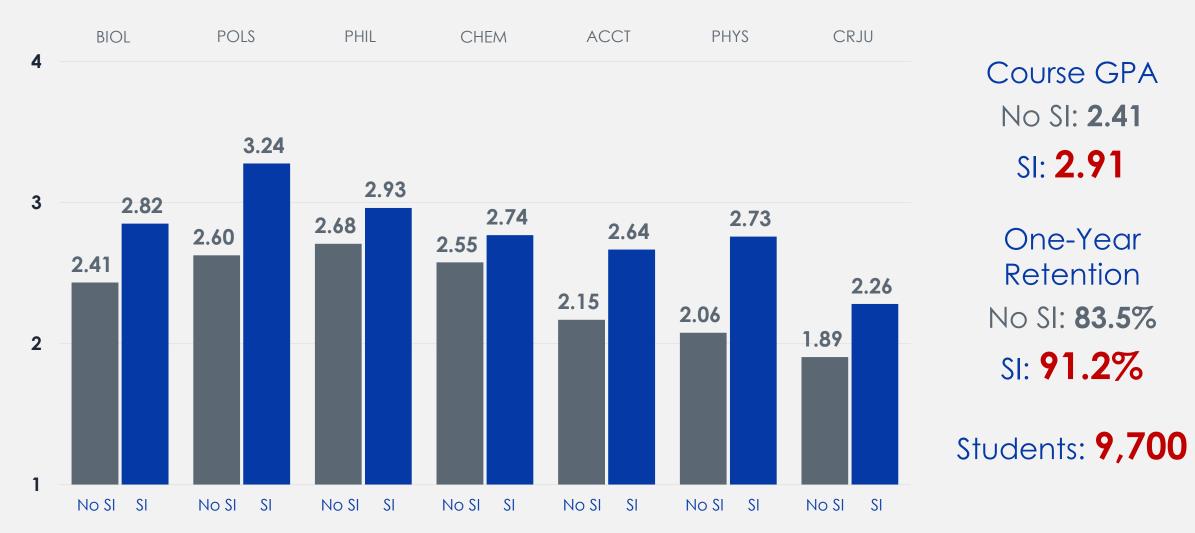
Pre-Calculus, College Algebra, Intro to Statistics

- Prior to Change: DFW rates were 43% Today: DFW rates are 28% (35% drop)
- Number of Students enrolled in courses taught through the MILE, 2014-15: 7,500



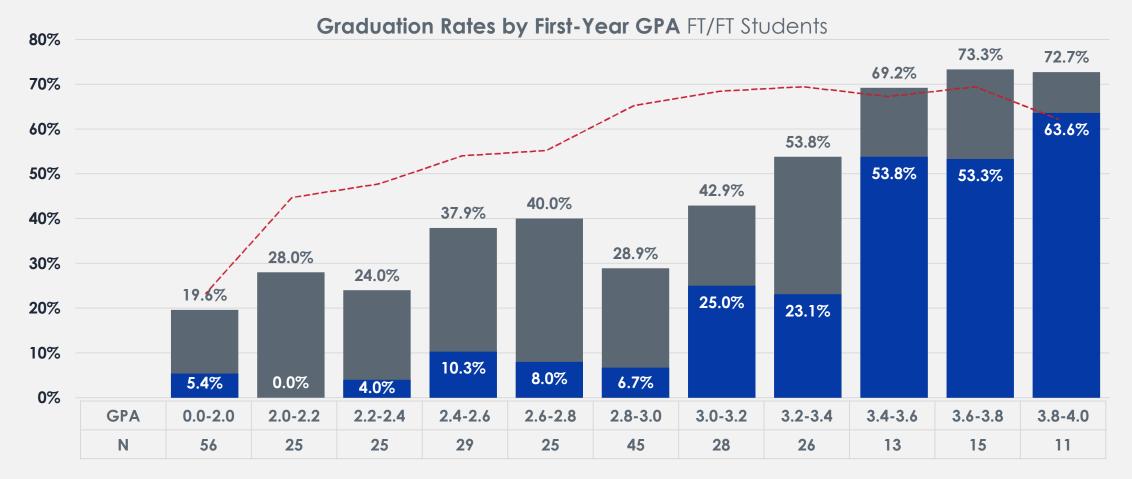


Supplemental Instruction (SI)





How Well Does First-Year GPA Predict Graduation in Nursing and Health Professions – Nursing and Overall? What opportunities do we see to inflect change?



© 2012 The Advisory Board Company

Graduated in program

Panther Retention Grants



Grants Since 2012: 8,000+

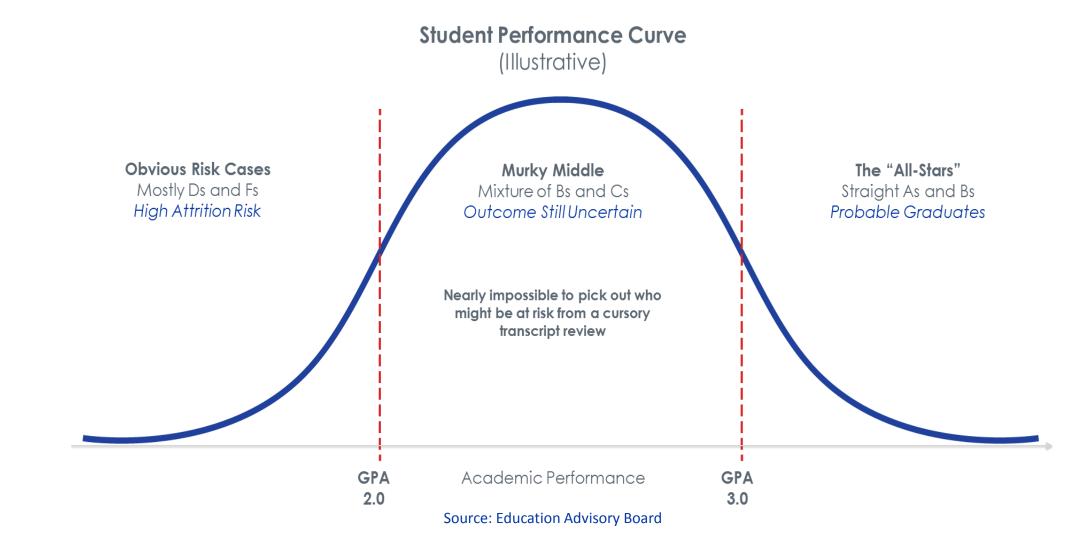


Seniors Graduated: 70%

Grant Recipients Graduated 2015-16: 1,257



The Advisement Challenge: The Murky Middle





Predictive Analytics Project with EAB

10 YEARS
OF DATA2.5 MILLION
GRADES8000+144,000
STUDENT RECORDSANALYTICS-BASED
ALERTS

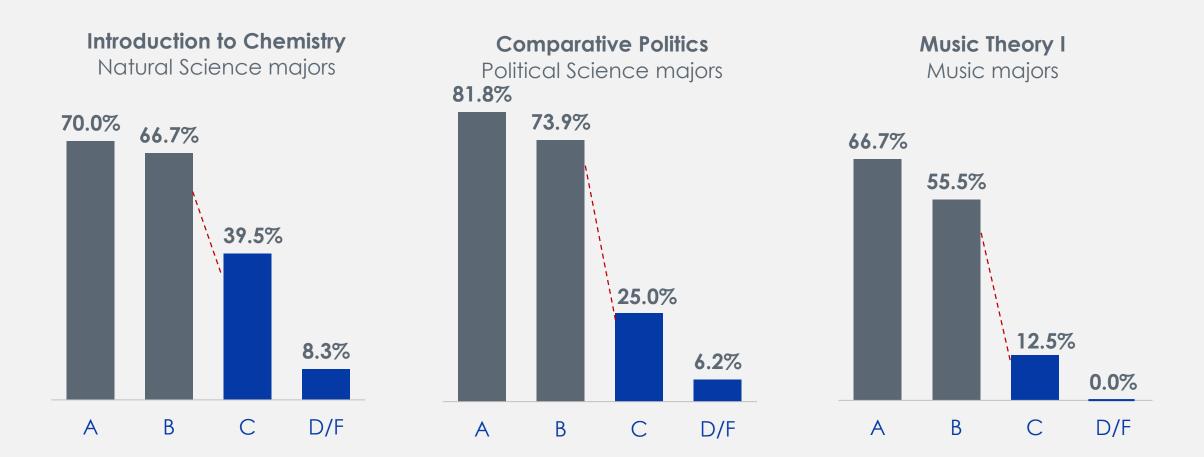
30,000 STUDENTS DAILY



SEMESTER 1	SEMESTER 2	
 Complete 1 of ENGL 1101, ENGL 1102 or ENGL 1103 (C or Better) Complete MATH 1113 or Higher (B- or Better) Complete CHEM 1211K (B- or Better) 	 Complete ENGL 1102 or 1103 (C or Better) Complete MATH 2211 or Higher (B- or Better) Complete CHEM 1212K (B- or Better) Maintain a cumulative GPA of 2.25 or Better 	
SEMESTER 3	SEMESTER 4	
 Complete CHEM 2400 (B- or Better) Complete MATH 2212 (C or better) Complete PHY 2211k (C or better) 	 Complete CHEM 3410 (C or better) PHY 2212k (B- or Better) (C or better) Maintain a cumulative GPA of 2.25 or Better 	
SEMESTER 5	SEMESTER 6	
 Complete CHEM 4000 with a C or Better Complete CHEM 4110 with a C or Better 	 Complete CHEM 4010 with a C or Better Complete CHEM 4120 with a C or Better 	
SEMESTER 7	SEMESTER 8	
• Complete CHEM 4160 with a B- or better	Complete CHEM 4190 with a C or Better	

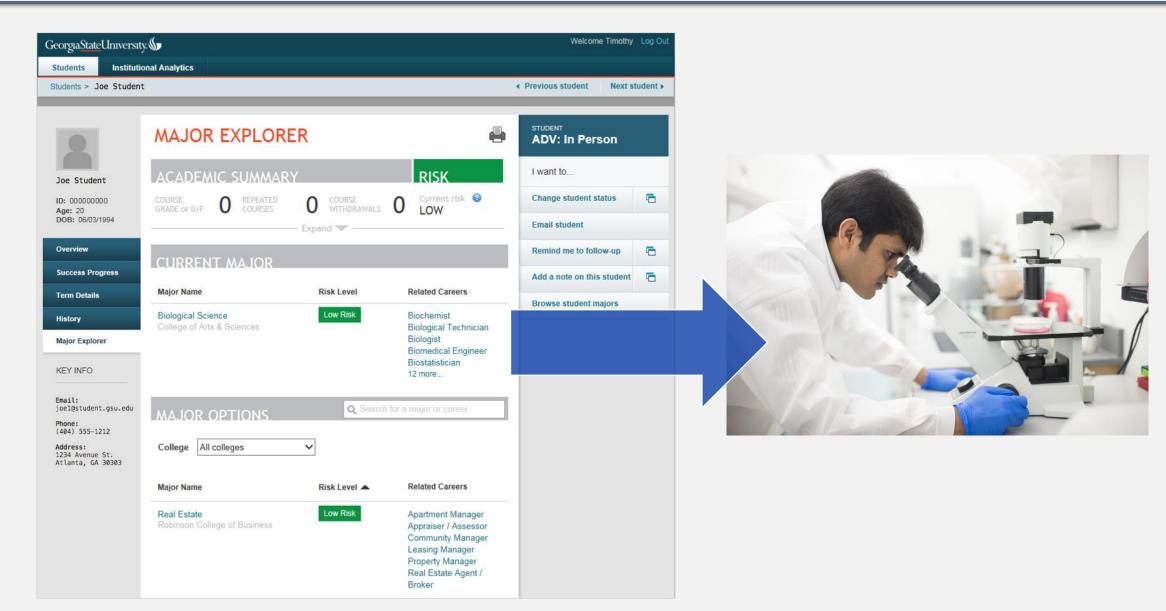


Graduation Rate in Major by Introductory Course Grade



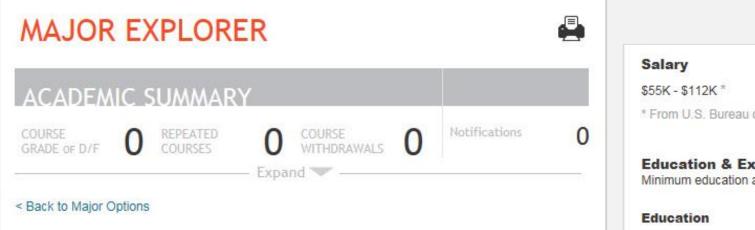
Linking Academics to Career Pathways





Drill-Down, Live Data on Individual Careers





Biochemist

Studies the chemical composition of cells and organisms and conducts research using advanced technologies. Studies the chemical interactions involved in biologic processes such as metabolism, reproduction, and growth, or the effect of drugs or hormo... View more

Related titles: Research Manager, Wildlife Biologist, Chemist, Food and Agricultural Scientist / Technologist, Soil / Plant Scientist

National Hiring Statistics Provided by Burning Glass 3

Statistics for this career, and its related titles, are derived from nationwide, online job postings from the last 12 months.

Salary	Hiring Demand
\$55K - \$112K *	Low
From U.S. Bureau of Labor Statistics	

Education & Experience Requirements

Minimum education and experience levels typically required by employers.

Education		Experience	
Bachelor's Degree	80%	<2 years	15%
Graduate/Prof.Degree	20%	2-5 years	49%
		5-8 years	28%
		>8 years	8%

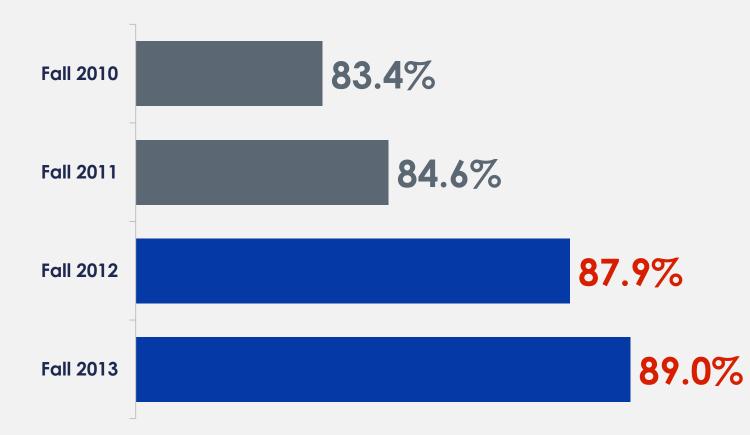
Foundation Skills, Most Requested by Employers

- 1. Research
- 2. Communication Skills
- 3. Writing
- 4. Organizational Skills
- 5. Problem Solving
- 6. Creativity

- 7. Leadership
- 8. Detail-Oriented
- 9. Quality Assurance and Control
- 10. Planning
- 11. Multi-Tasking
- 12. Presentation Skills

52,150

Increased Average First Term Retention Fall to Spring Retention







Rapidly Improving Progression Rates

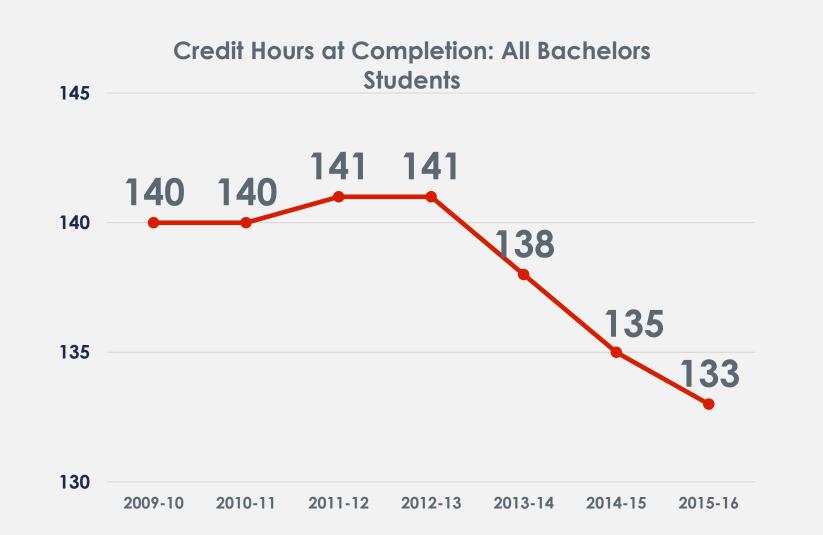
Freshmen with 30-hours of Passing Credit After 12 Months

2012-1347%2013-1453%2014-1556%2015-1663%



Results: Decline in Time to Degree











\$15 million

Savings to the Class of 2016 in tuition and fees when compared to the Class of 2013



+226%



STEM Degrees Conferred Since 2011 Black +69% **Black Male** +111%

Hispanic



The Calculus of Student Success: ROI

Y

1-point increase in retention = **325 students**

Average student tuition & fees annually/student = **\$9,800**

ROI for each 1-point increase = \$3.18 million/year

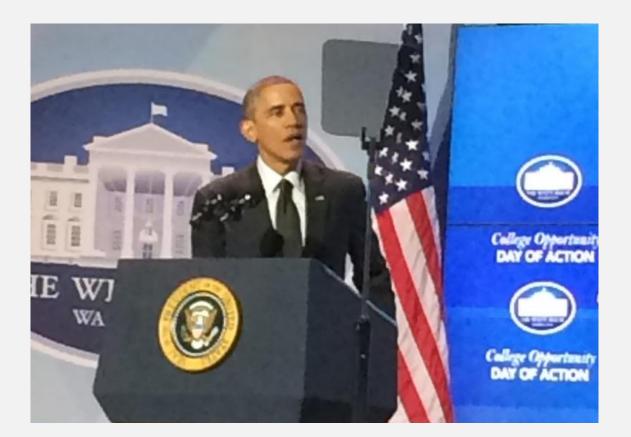


Why This Work Matters



Growing Recognition



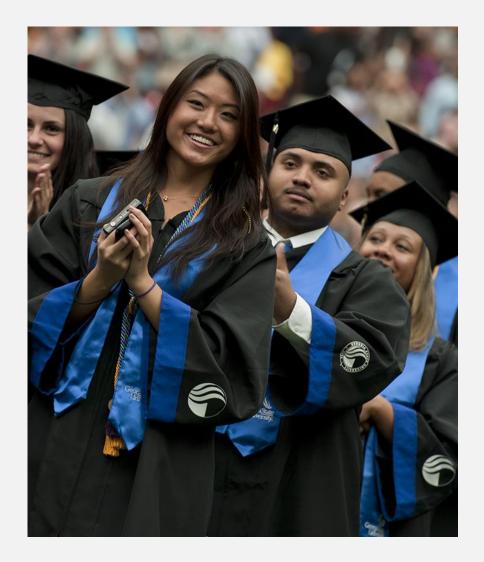






Georgia State Degree Conferrals





2008-09: 2014-15: 5,857 7,601

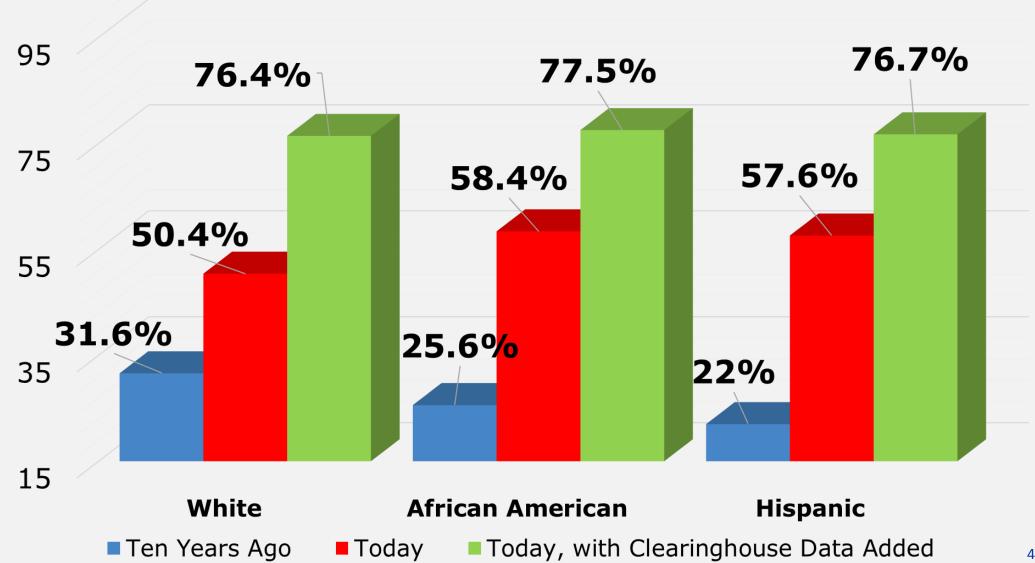
INCREASE: 1,744 (+30%)



	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	5-Year Change
African American	1,001	1,322	1,440	1,550	1,692	1,825	82%
Pell	1,298	1,648	1,835	2,007	2,052	2,501	93%
Hispanic	196	300	328	372	414	435	123%



GRADUATION RATES BY RACE & ETHNICITY (CLEARINGHOUSE DATA ADDED)





Top 100 Degree Producers: Non-Profit Universities

2014 African-American Bachelor's - All Disciplines Combined



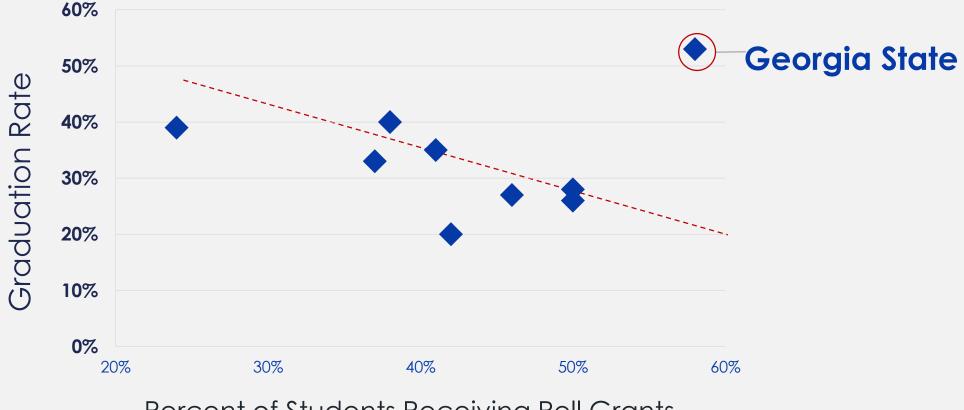
	_	Total	%Glaas	%Cng
Institutions	State			
1 Georgia State University	GA	1645	35%	8%
2 FAMU	FL	1475	95%	6%
3 North Carolina A & T State University	NC	1214	87%	7%
4 University of Central Florida	FL	1195	10%	2%
5 University of Maryland-University College	MD	1073	26%	5%
6 University of Memphis	TN	1016	34%	9%
7 Jackson State University	MS	987	90%	11%
8 Howard University	D.C.	966	94%	-15%
9 The University of Texas at Arlington	TX	951	14%	10%
10 Florida Atlantic University	FL	905	18%	-2%

Source: Diverse Issues in Higher Education

Total

%Grade

%Cha



Percent of Students Receiving Pell Grants

