

2015 EDUCATION SUMMIT

The Role of Post-Secondary Education in Improving the Educational Attainment of All Our Children

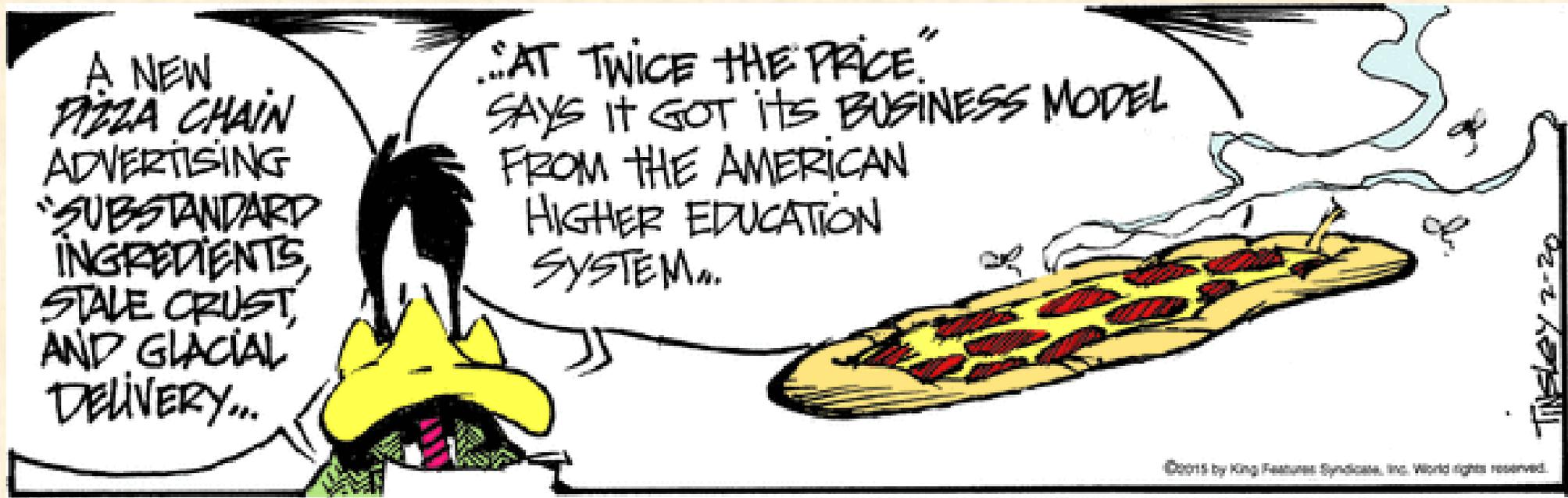
February 24, 2015

Gregory G. Fitch, Ph.D.

www.ache.alabama.gov/2015EDSUMMIT



MALLARD FILLMORE



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SPECIAL POINTS of INTEREST:

- Challenges we face in preparing students for postsecondary success
- Continuum of support from all stakeholders to ensure students graduate ready for a career, college, and life



National View Point, Public Policy Agenda 2015

by American Association of State Colleges and Universities

- K-16 Institutions – align high school curriculum with college standards
- Teacher Preparation
- Data Reporting
- Support accountability and college completions
- Prepare students for gainful employment
- Student Financial Aid – Debt Management
- Sufficient and Sustained State Funding (Performance)
- Safety



Forging Strategic Alliances 2009-2014

State Plan for Alabama Higher Education

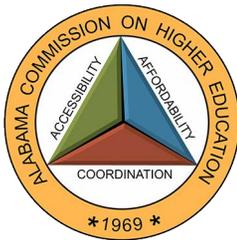
www.highered.Alabama.gov/spac



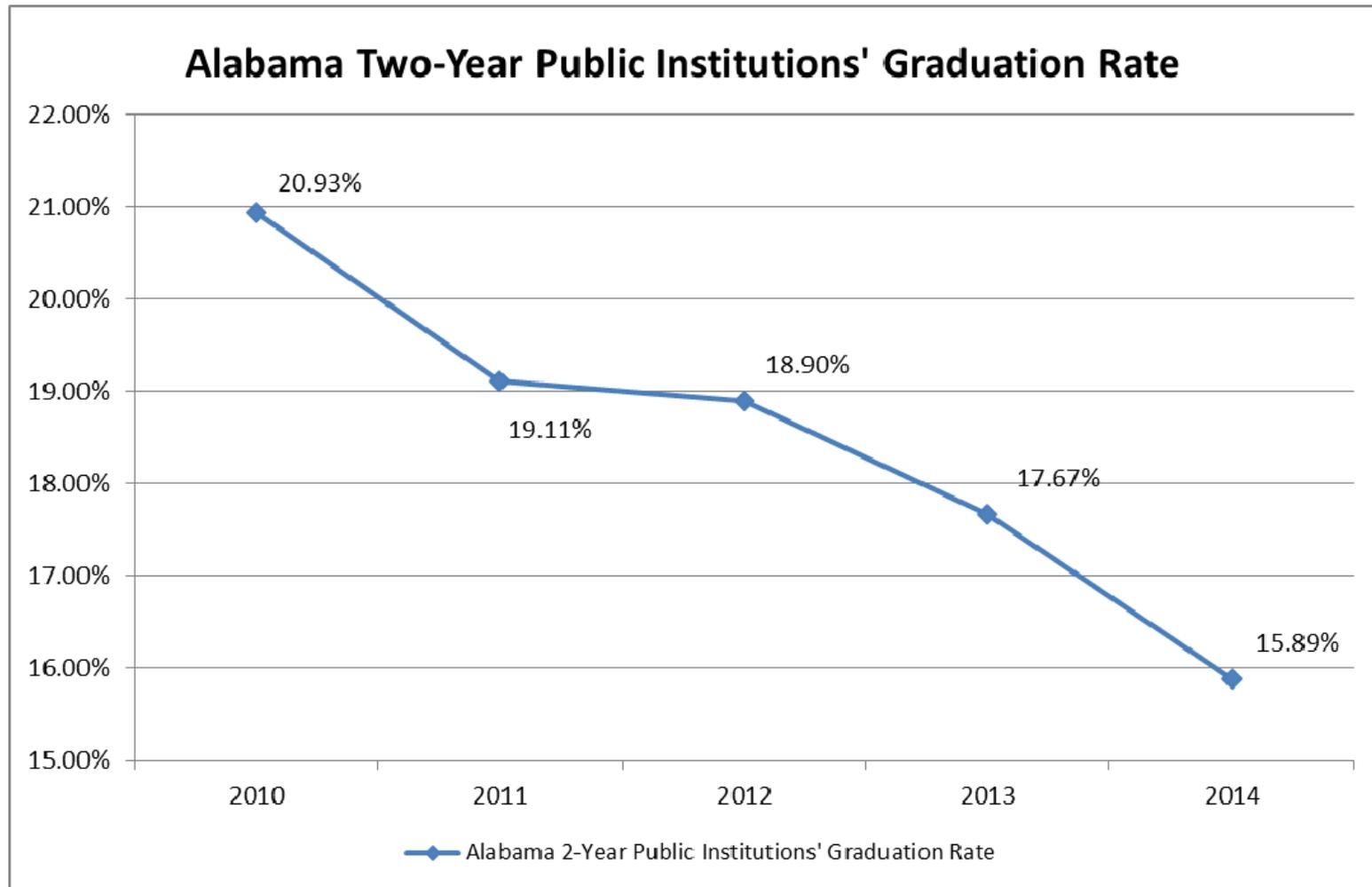
Priority 1

Cooperate with PK-12 to increase students' preparedness for college and career

- Goal 1 – Increase graduation rates
- Goal 2 – Decrease remediation needs

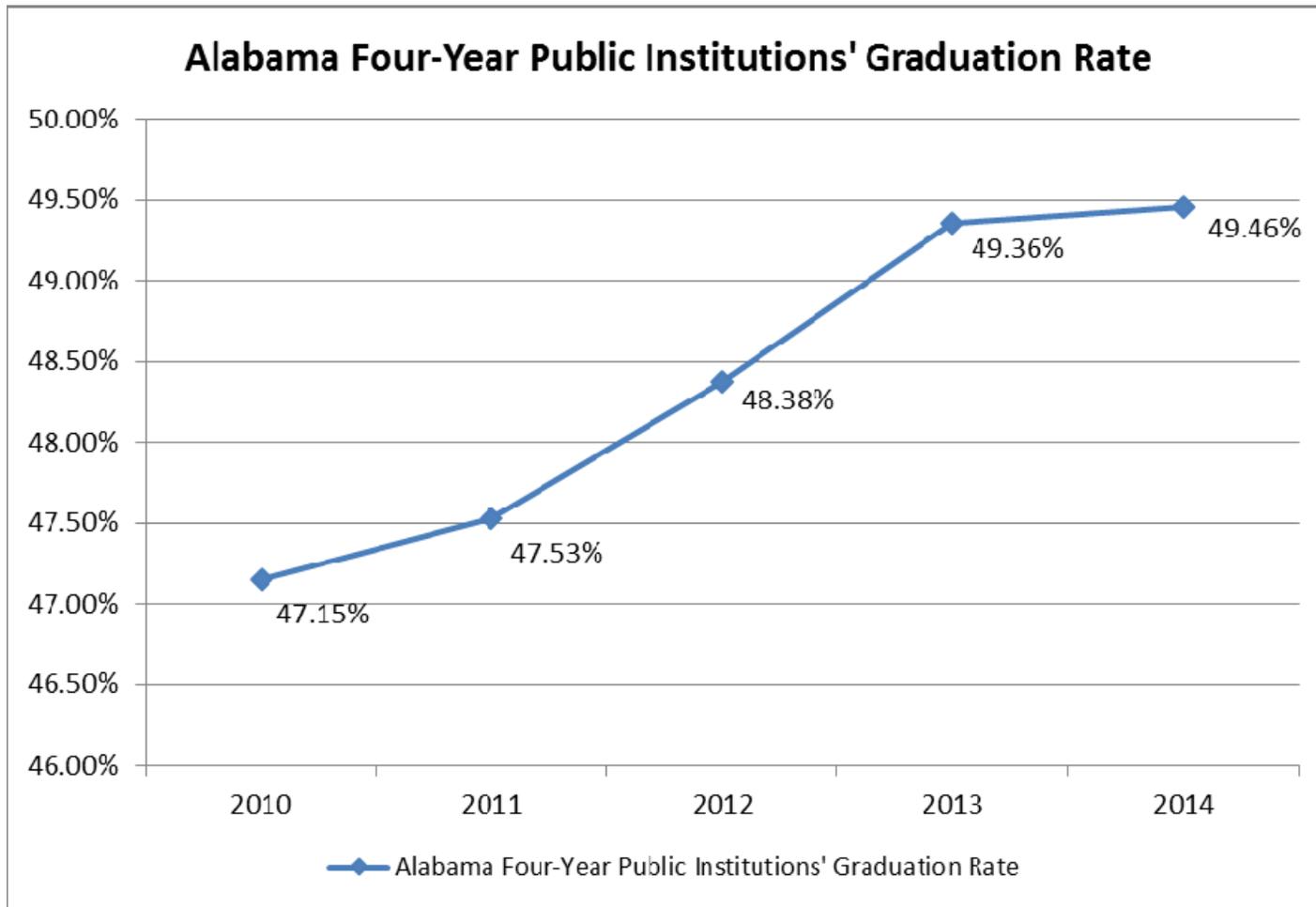


ALABAMA COMMISSION ON HIGHER EDUCATION



Source: Based on IPEDS GRS Surveys from 2009-10 thru 2013-14 Calculation of 150% GRS for all completers

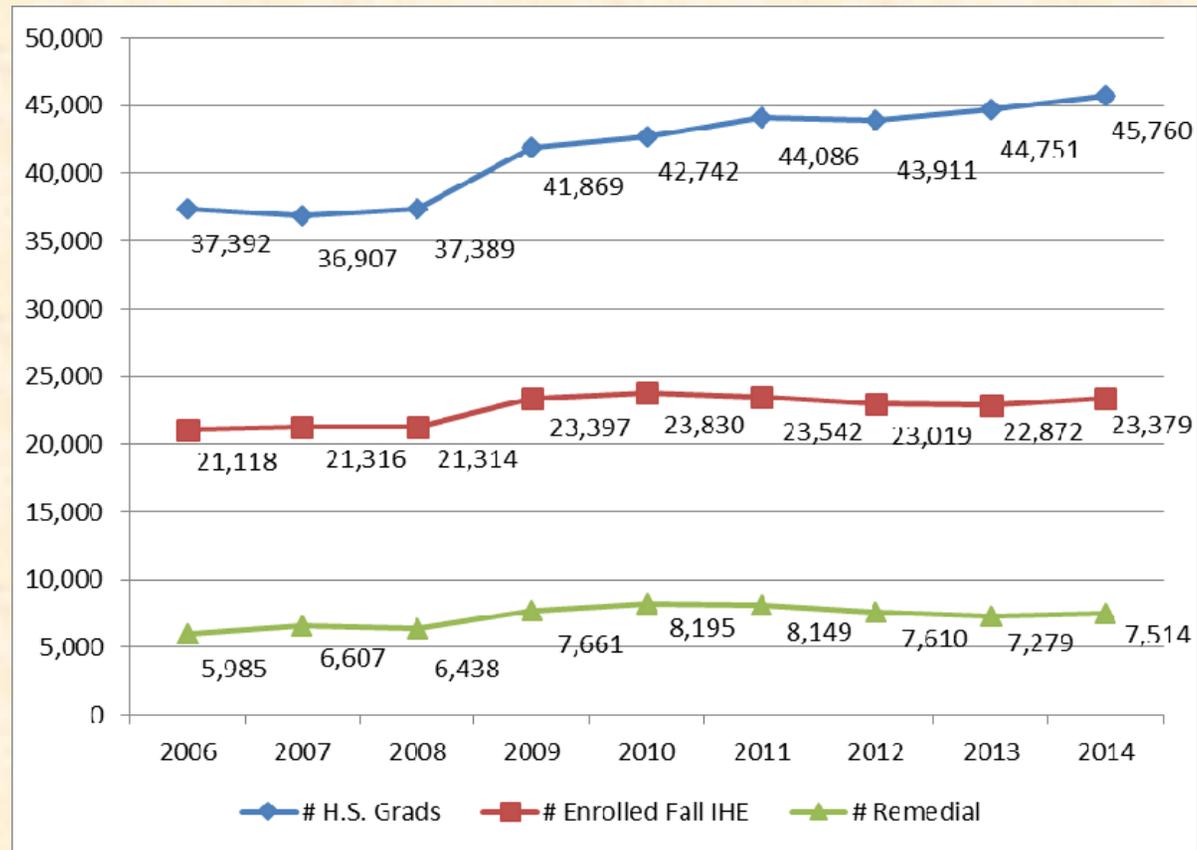
ALABAMA COMMISSION ON HIGHER EDUCATION



Source: Based on IPEDS GRS Surveys from 2009-10 thru 2013-14 Calculation of 150% GRS for Bachelor's or equivalent Degree-Seeking Students

ALABAMA COMMISSION ON HIGHER EDUCATION

Historical Summary of Number of Alabama Public High School Graduates Who Enrolled in Alabama Public Two-year and Four-year Institutions the following Fall Term and those who Enrolled in Remedial Math and/or English that Fall Term

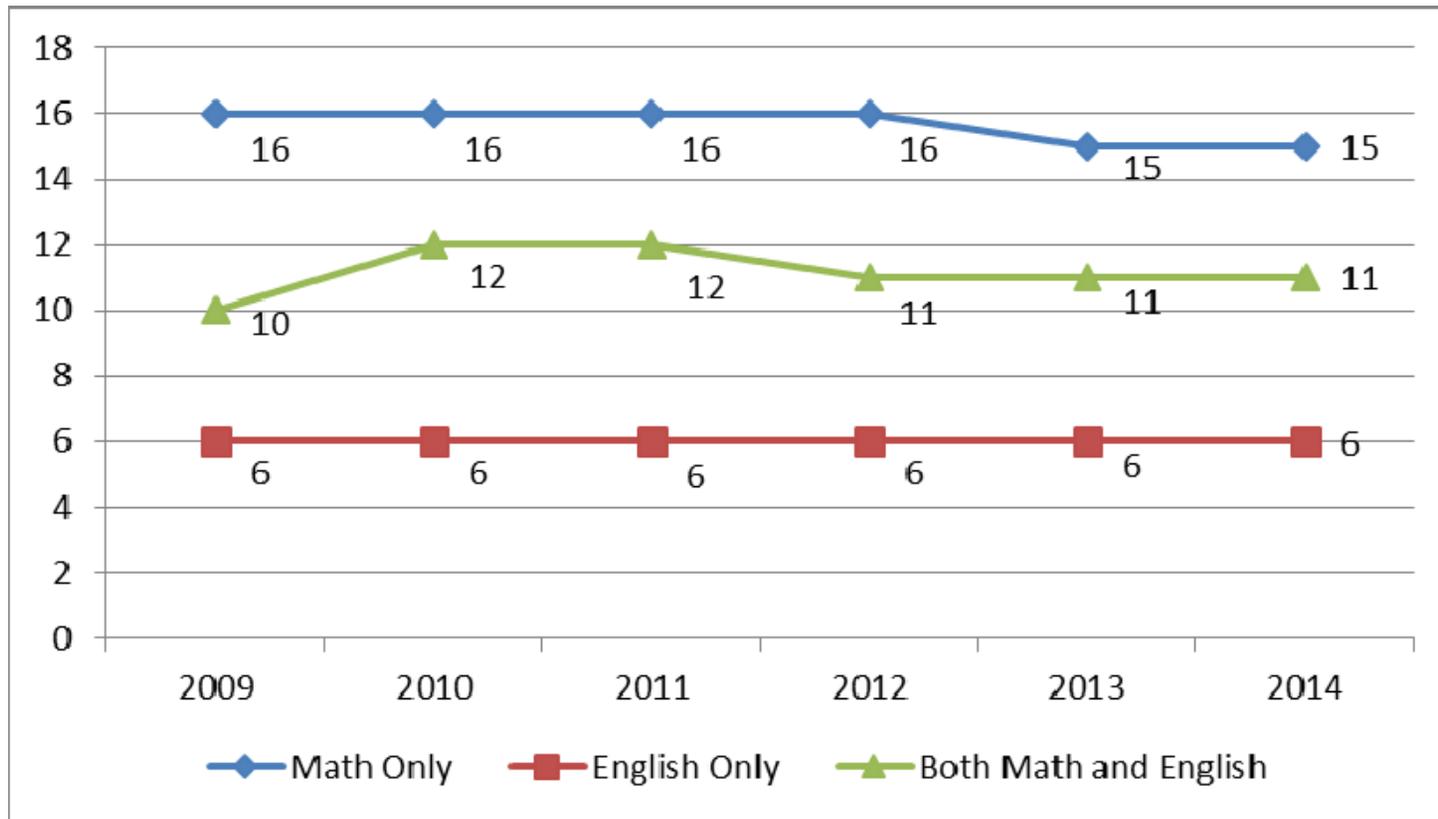


Source: Alabama Statewide Student Database, High School Feedback Reports.

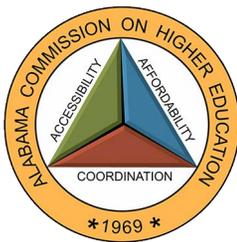


ALABAMA COMMISSION ON HIGHER EDUCATION

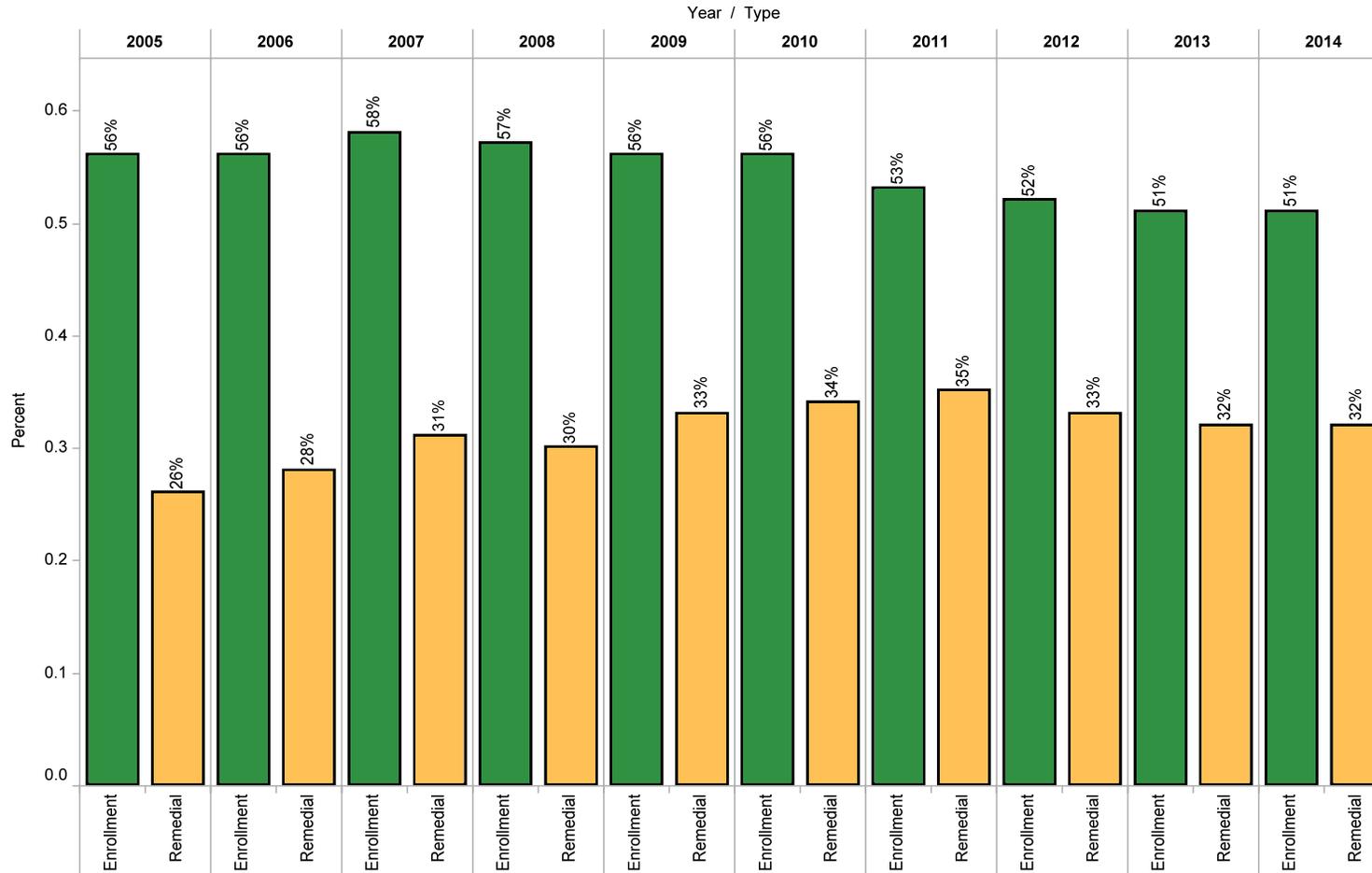
**Percent of Alabama Public High School Graduates Taking Remedial Courses
The Next Fall Term After High School Graduation
While Enrolled at Alabama Public Colleges and Universities**



Source: Alabama Statewide Student Database, High School Feedback Reports.



**ACHE Summary of Percentage of Alabama Public High School Graduates
Enrolled in Alabama Public Colleges and Universities
the Fall after High School Graduation
And Those Taking Remedial Math and/or Remedial English**

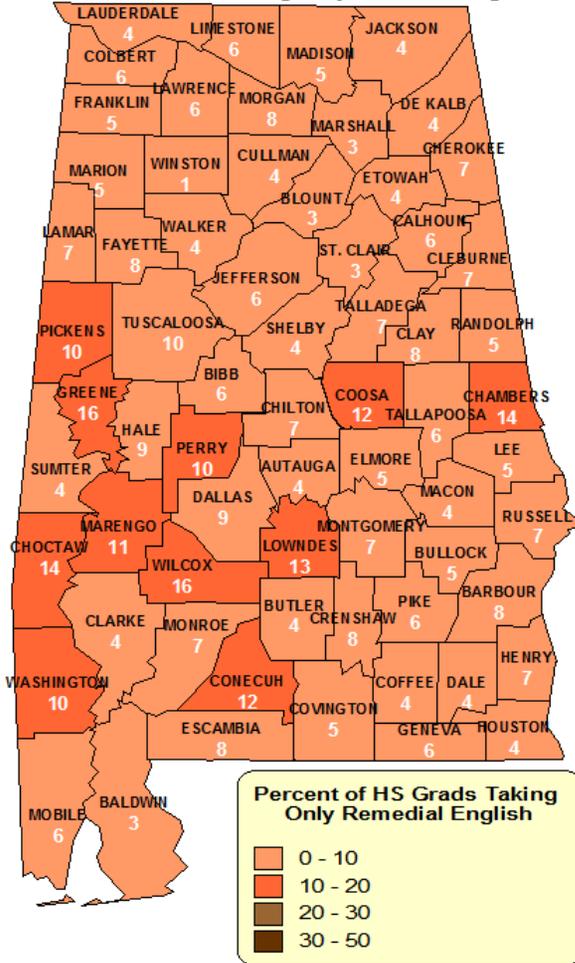


Source: Alabama Statewide Student Database.

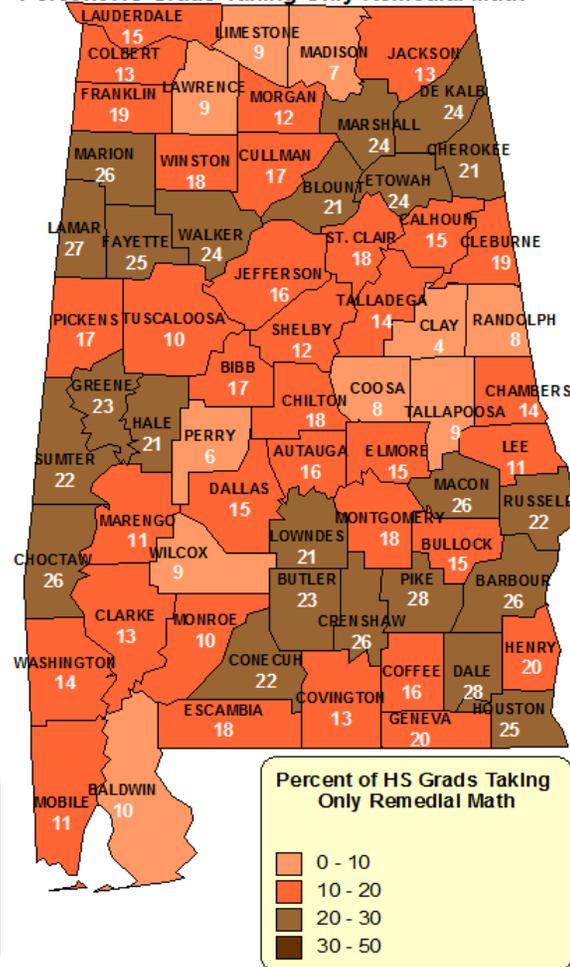


Summary of 2013-2014 Alabama Public High School Graduates Who Enrolled in Alabama Public Institutions Fall 2014 (23,379 Students)

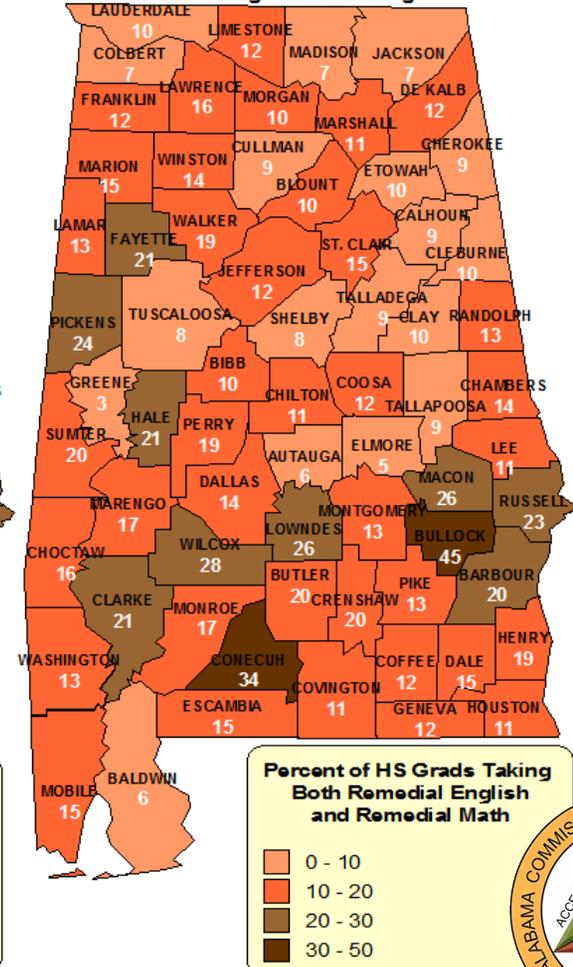
Percent HS Grads Taking Only Remedial English



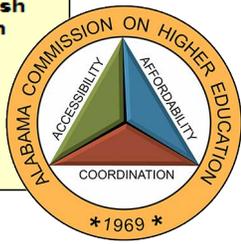
Percent HS Grads Taking Only Remedial Math



Percent HS Grads Taking Remedial English and Math



Source: Alabama Statewide Student Database; Percentages are based on the number of HS Graduates who attended a HS in that county in 2013-2014.



ALABAMA COMMISSION ON HIGHER EDUCATION
Summary of 2013-2014 Public High School Graduates
from Alabama Workforce Region 9
Who Were Enrolled in Alabama Public Colleges and Universities
Fall Term 2014

High School Name	Enrollment			Remediation							
	Number of 2013-2014 High School Graduates	Number/Percent Enrolled in Alabama Public Higher Ed Fall 2014	Number/Percent of Students Enrolled in Remedial Math	Number/Percent of Students Enrolled in Remedial English	Number/Percent of Students Enrolled in Both Remedial Math and English	Number/Percent of Students Enrolled in Remedial Math and/or English	Number/Percent of Students Enrolled in Remedial Math and/or English	Number/Percent of Students Enrolled in Remedial Math and/or English	Number/Percent of Students Enrolled in Remedial Math and/or English	Number/Percent of Students Enrolled in Remedial Math and/or English	Number/Percent of Students Enrolled in Remedial Math and/or English
Baldwin County											
Baldwin County High School	205	99 48%	13 13%	5 5%	20 20%	38 38%					
Daphne High School	252	134 53%	14 10%	2 1%	8 6%	24 18%					
Fairhope High School	343	201 59%	15 7%	3 1%	9 4%	27 13%					
Foley High School	330	90 27%	12 13%	5 6%	2 2%	19 21%					
Gulf Shores High School	139	73 53%	4 5%	2 3%	3 4%	9 12%					
Robertsdale High School	252	80 32%	9 11%	2 3%	2 3%	13 16%					
Spanish Fort High School	242	129 53%	10 8%	2 2%	8 6%	20 16%					
Baldwin County Totals	1,763	806 46%	77 10%	21 3%	52 6%	150 19%					
Mobile County											
Alma Bryant High School	356	86 24%	7 8%	2 2%	8 9%	17 20%					
Baker High School	519	244 47%	23 9%	10 4%	22 9%	55 23%					
Ben C Rain High School	163	47 29%	5 11%	7 15%	13 28%	25 53%					
CF Vigor High School	161	48 30%	7 15%	5 10%	16 33%	28 58%					
Chickasaw City High School	19	7 37%	0 0%	2 29%	1 14%	3 43%					
Citronelle High School	176	65 37%	4 6%	10 15%	9 14%	23 35%					
John L Leflore Magnet School	205	98 48%	13 13%	7 7%	28 29%	48 49%					
Lillie B Williamson High School	131	43 33%	10 23%	8 19%	13 30%	31 72%					
Mary G Montgomery High School	408	141 35%	19 13%	5 4%	15 11%	39 28%					
Mattie T Blount High School	218	64 29%	14 22%	5 8%	18 28%	37 58%					
Murphy High School	447	215 48%	29 13%	10 5%	34 16%	73 34%					
Saraland High School	210	106 50%	4 4%	4 4%	8 8%	16 15%					
Satsuma High School	107	57 53%	6 11%	2 4%	3 5%	11 19%					
Theodore High School	337	97 29%	11 11%	9 9%	8 8%	28 29%					
WP Davidson High School	293	135 46%	8 6%	7 5%	24 18%	39 29%					
Mobile County Totals	3,750	1,453 39%	160 11%	93 6%	220 15%	473 33%					
Workforce Development Region 9 Totals											
Workforce Region 9 Grand Totals	6,847	2,975 43%	346 12%	168 6%	401 13%	915 31%					
State Totals											
State Grand Totals	45,760	23,379 51%	3,521 15%	1,320 6%	2,673 11%	7,514 32%					



Source: Alabama Statewide Student Database High School Report Fall 2014

Note: Additional Remedial Reports can be found online at www.ache.alabama.gov/Remedial



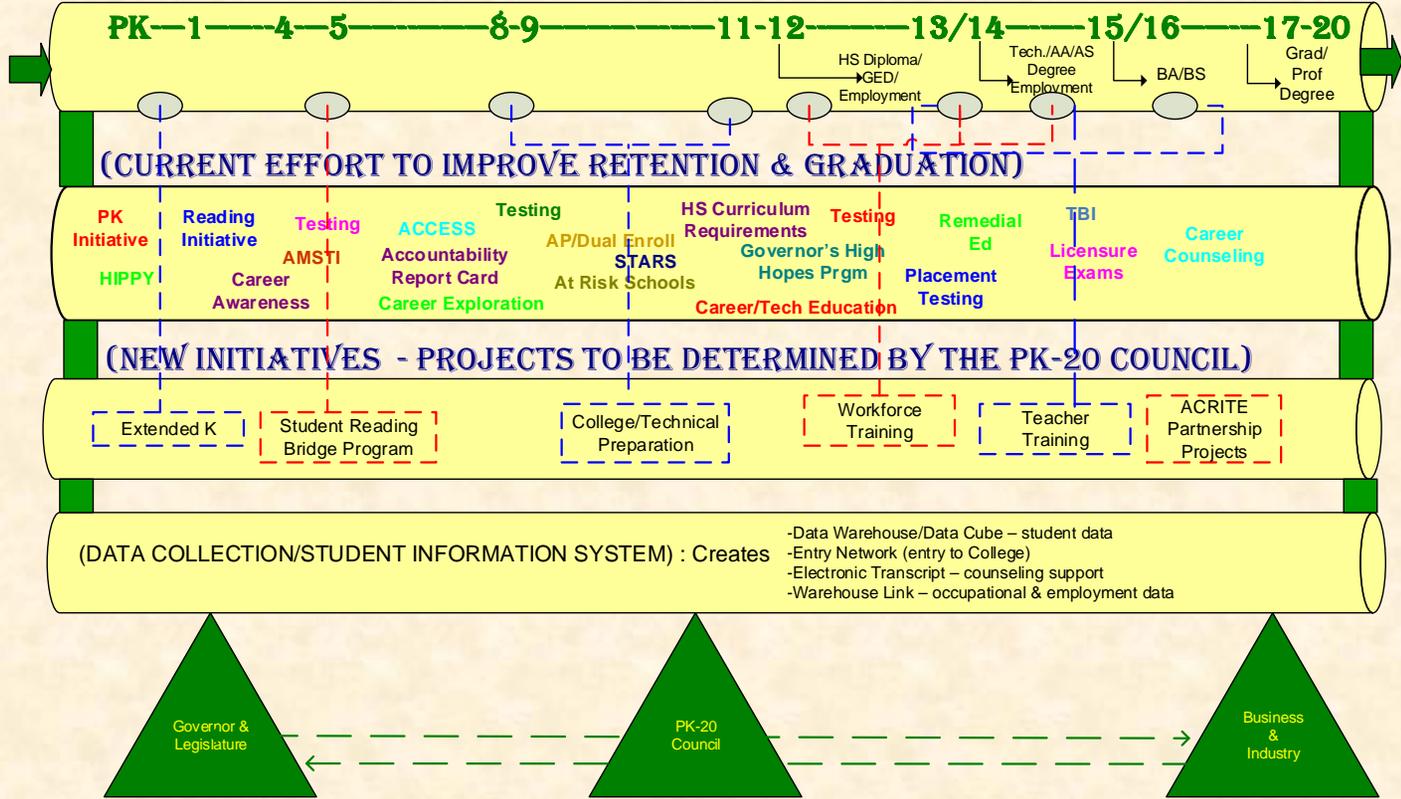
Priority 2

Establish a PK-20 Council

- Goal 3 - Create a fully integrated Council



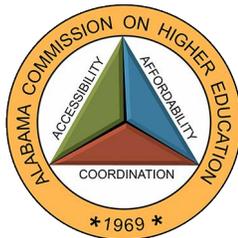
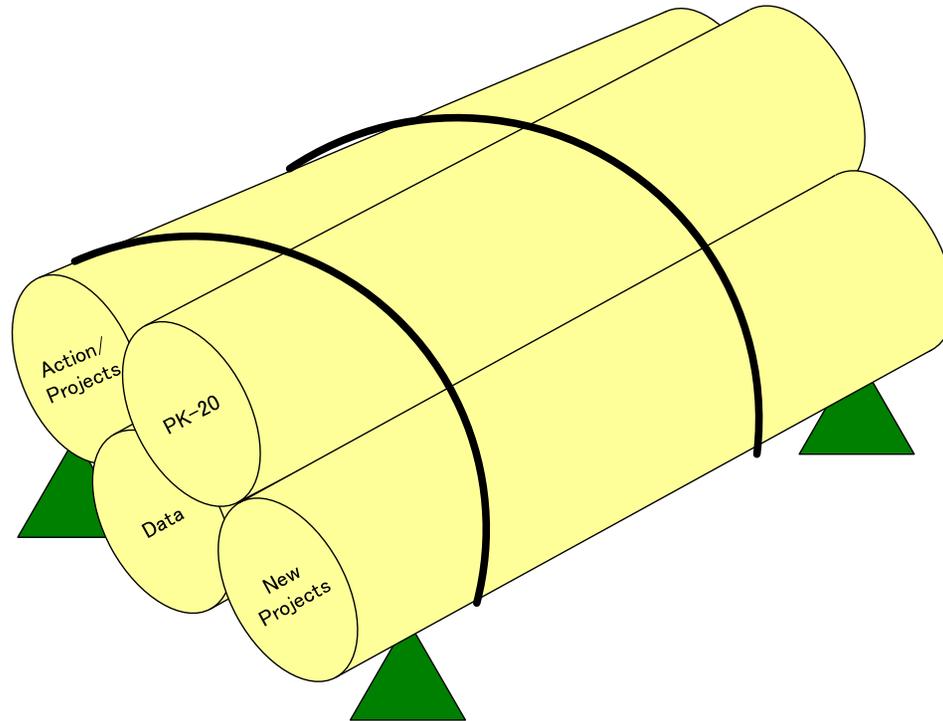
STUDENT PIPELINE



- Steps**
- (1) Create PK-20 Council – (by legislation or Executive Order) nominations, selection process
 - (2) Council meets with SBE, ACHE, and interested parties – Joint meeting of SBE & ACHE
 - (3) Determine Direction and Effort - (a) Improve Data Collections
 (b) Create Electronic Transcripts
 (c) Coop School Dist. & Colleges



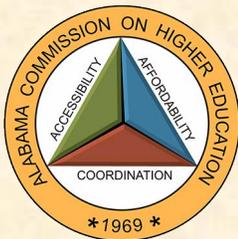
PK-20 BUNDLE



Priority 3

Increase graduates in STEM fields

- Goal 4 – Increase number of students majoring in STEM
- Goal 5 – Increase the number of teachers in STEM fields
- Goal 6 – Advance programs strengthening preparation in STEM



ALABAMA COMMISSION ON HIGHER EDUCATION

Top 10 Increases and Decreases of STEM Completions Identified by Comparing 2009 completions to 2014 completions

		2009	2014	Top 10 Increases	
260102	Biomedical Sciences, General	38	364	326	
110101	Computer and Information Sciences, General	622	756	134	
141901	Mechanical Engineering	370	500	130	
140801	Civil Engineering, General	262	389	127	
140201	Aerospace, Aeronautical and Astronautical/Space Engineering	60	173	113	
150501	Heating, Ventilation, Air Conditioning and Refrigeration EngineeringTechnology/Technic	110	217	107	
150613	Manufacturing Engineering Technology/Technician	23	125	102	
140701	Chemical Engineering	145	246	101	
150000	Engineering Technology, General	19	118	99	
140101	Engineering, General	157	217	60	
		2009	2014	Top 10 Decreases	
140401	Architectural Engineering	143	132	-11	
260401	Cell/Cellular Biology and Histology	15	4	-11	
11103	Horticultural Science	63	51	-12	
142801	Textile Sciences and Engineering	12		-12	
400401	Atmospheric Sciences and Meteorology, General	18	6	-12	
140301	Agricultural Engineering	13		-13	
130501	Educational/Instructional Technology.	118	104	-14	
151301	Drafting and Design Technology/Technician, General	260	223	-37	
141001	Electrical and Electronics Engineering	430	366	-64	
260101	Biology/Biological Sciences, General	1004	902	-102	
TOTAL ALL STEM COMPLETIONS		7,617	9,337	30.58%	increase
GRAND TOTAL ALL COMPLETIONS		40,909	47,396	15.85%	increase
Source: Alabama Statewide Student Database Completions based on STEM CIP codes designated by U.S. Department of Homeland Security					



ALABAMA STATE DEPARTMENT OF EDUCATION

New STEM-Subject Certificates Issued from 2009-2014

	<u>Science</u>	<u>Technology</u>	<u>Engineering</u>	<u>Math</u>	<u>Total</u>
2009	270	0	0	235	505
2010	266	0	0	261	527
2011	282	3	0	267	552
2012	211	3	3	244	461
2013	205	1	4	274	484
2014	<u>140</u>	<u>4</u>	<u>5</u>	<u>202</u>	<u>351</u>
Totals:	1374	11	12	1483	2880

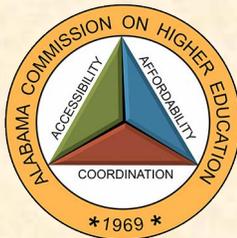
SOURCE: Alabama State Department of Education

Completed February 13, 2015

Priority 4

Seek necessary financial resources for education in Alabama

- Goal 7 – Identify and share methods to improve efficiency
- Goal 8 – Expand sources of higher education funding

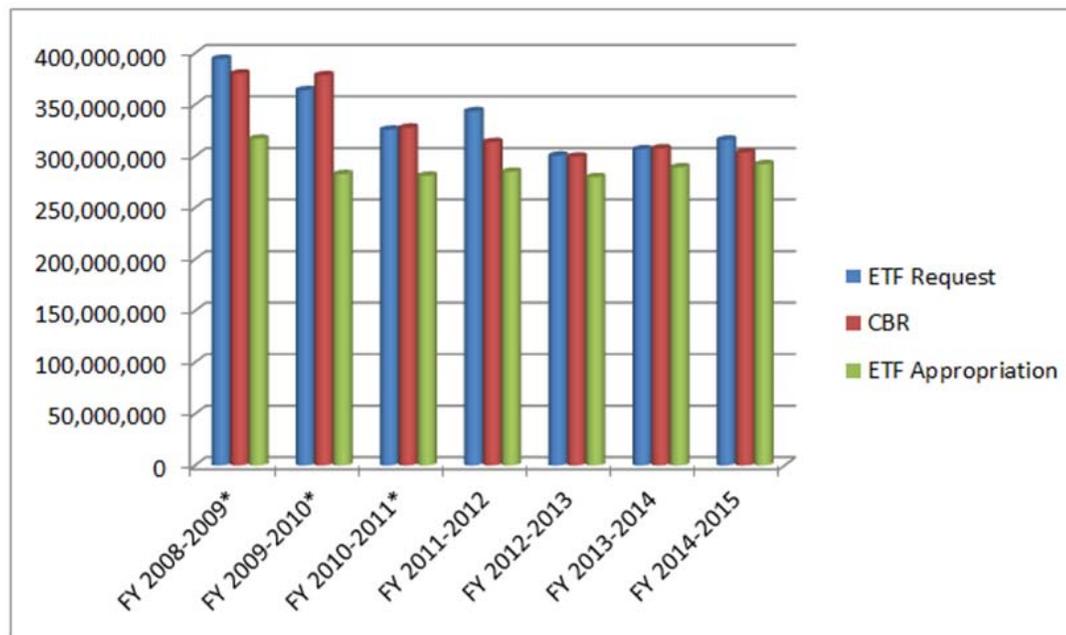


ALABAMA COMMISSION ON HIGHER EDUCATION

Alabama Public Two-Year Institutions ETF Budget Requests, ACHE Consolidated Budget Recommendations (CBR), and ETF Appropriations

	FY 2008-2009*	FY 2009-2010*	FY 2010-2011*	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015
ETF Request	394,483,058	364,041,129	325,650,519	343,617,420	300,522,911	306,704,930	316,046,648
CBR	380,122,660	378,634,945	327,625,107	313,700,403	299,599,470	307,634,238	303,584,989
ETF Appropriation	316,939,682	282,646,209	281,006,915	284,849,287	279,667,222	289,127,705	292,194,633

*Appropriation amounts prorated

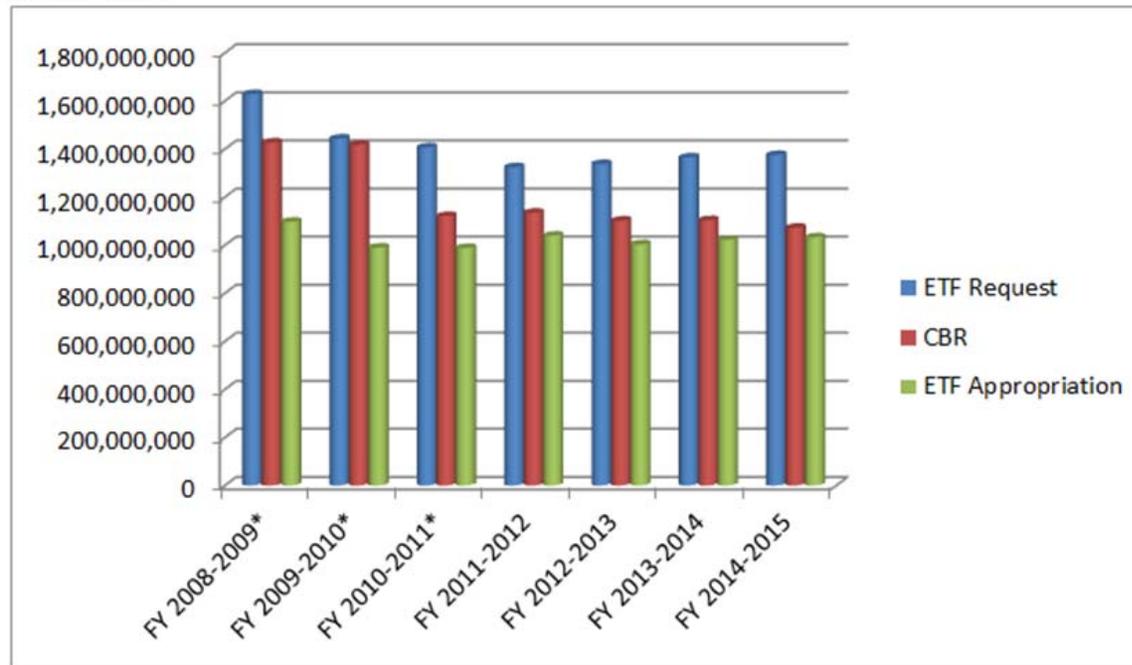


ALABAMA COMMISSION ON HIGHER EDUCATION

Alabama Public Four-Year Institutions ETF Budget Requests, ACHE Consolidated Budget Recommendations (CBR), and ETF Appropriations

	FY 2008-2009*	FY 2009-2010*	FY 2010-2011*	FY 2011-2012	FY 2012-2013	FY 2013-2014	FY 2014-2015
ETF Request	1,627,423,540	1,442,525,314	1,405,905,198	1,323,488,347	1,336,853,333	1,364,177,150	1,374,127,029
CBR	1,426,114,944	1,416,944,635	1,120,115,902	1,134,203,457	1,101,453,502	1,103,038,097	1,071,580,245
ETF Appropriation	1,096,574,152	988,903,336	987,319,372	1,038,819,837	1,002,766,265	1,021,555,551	1,031,638,360

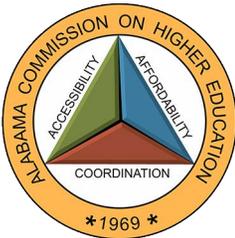
*Appropriation amounts prorated



Priority 5

Establish a comprehensive Workforce Development Plan for Alabama

- Goal 9 – Support workforce education/training for industry
- Goal 10 – Address labor market needs

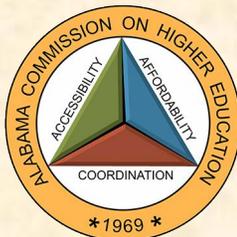


ALABAMA COMMISSION ON HIGHER EDUCATION
 FALL 2014 ENROLLMENT OF STUDENTS
 ATTENDING ALABAMA PUBLIC TWO-YEAR AND FOUR-YEAR INSTITUTIONS
 SORTED BY TOP TEN MAJORS

All Public Institutions	# Undergrads	# First-Time Freshmen
Grand Total	209,133	42,009
Major		
General Studies.	42,054	12,349
Registered Nursing/Registered Nurse.	14,033	2,038
Undeclared/NotReported	12,761	1,127
Business Administration and Management, General.	8,140	1,444
Biology/Biological Sciences, General.	5,977	1,266
Liberal Arts and Sciences/Liberal Studies.	5,504	1,759
Psychology, General.	4,671	700
Computer and Information Sciences, General.	4,490	885
Accounting.	4,263	340
Business/Commerce, General.	4,173	772

See this full report and other reports by counties, institutions and Workforce Regions at www.ache.alabama.gov/workforce.

Source: Alabama Statewide Student Database.



ALABAMA COMMISSION ON HIGHER EDUCATION
 FALL 2014 ENROLLMENT OF STUDENTS
 ATTENDING ALABAMA PUBLIC TWO-YEAR AND FOUR-YEAR INSTITUTIONS
 SORTED BY TOP TEN MAJORS

All Public Four-Year Institutions	# Graduate Students
Grand Total	32,836
Major	
Registered Nursing/Registered Nurse.	4,781
Business Administration and Management, General.	2,010
Counselor Education/School Counseling and Guidance Services.	1,059
Educational Leadership and Administration, General.	1,023
Secondary Education and Teaching.	1,010
Medicine.	971
Elementary Education and Teaching.	768
Counseling Psychology.	695
Adult and Continuing Education and Teaching.	674
Social Work.	619

See this full report and other reports by counties, institutions and Workforce Regions at www.ache.alabama.gov/workforce.

Source: Alabama Statewide Student Database.



ALABAMA COMMISSION ON HIGHER EDUCATION

SUMMER 2013 THRU SPRING 2014 COMPLETIONS OF STUDENTS
FROM ALABAMA PUBLIC TWO-YEAR AND FOUR-YEAR INSTITUTIONS
SORTED BY MAJOR

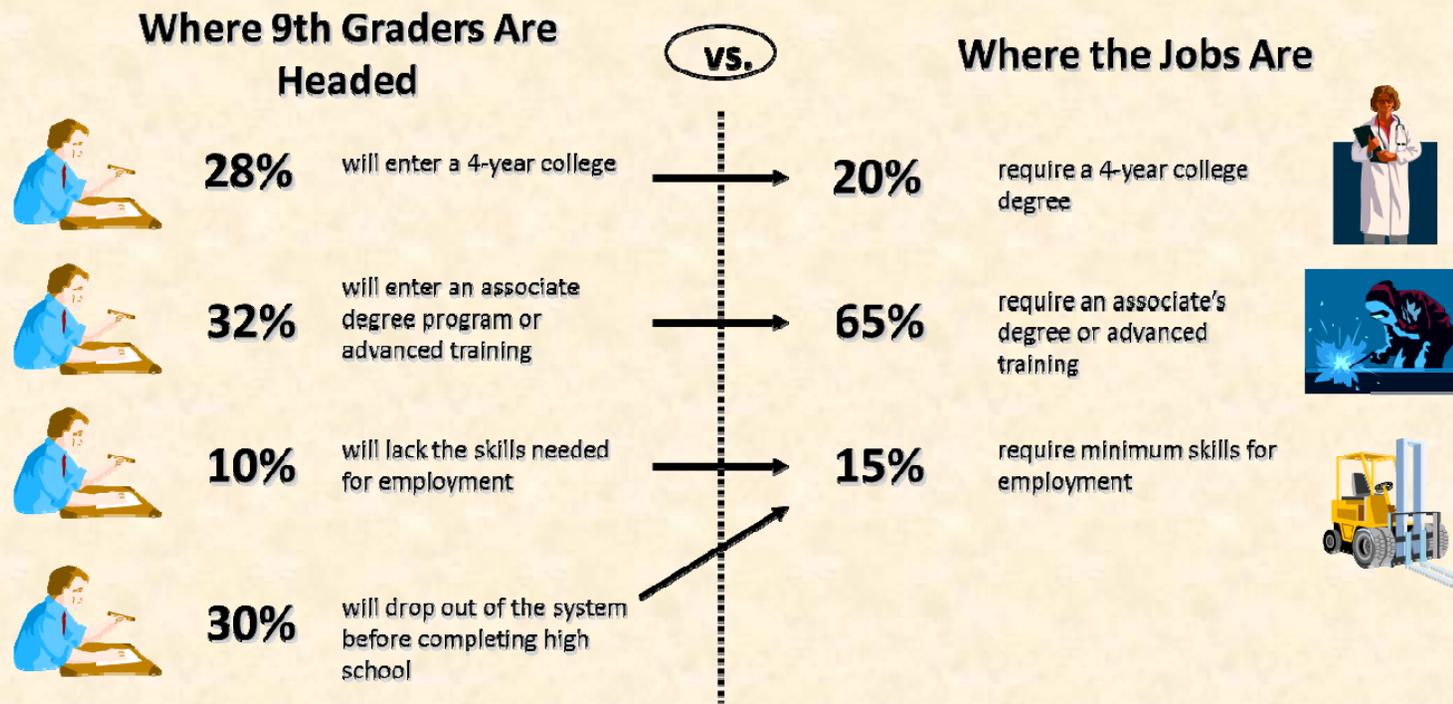
ALL PUBLIC INSTITUTIONS

	Less than 1 year	Less than 2 years	Associate	Less than 4 years	Bachelor	Post- Bachelor	Master	Post-Master	Doctoral	* State Totals
Grand Total	3,252	2,099	9,475	26	21,811	116	8,249	533	1,835	47,396
Major										
Registered Nursing/Registered Nurse.			1,707		1,931		1,115		63	4,816
General Studies.			3,469		20					3,489
Business Administration and Management, General.	1		133		1,329		932		2	2,397
Accounting.					967	2	263		2	1,234
Elementary Education and Teaching.					778		320	65	2	1,165
Psychology, General.					1,042		64		30	1,136
Biology/Biological Sciences, General.					790		85		27	902
Computer and Information Sciences, General.	96	30	243		262		115		10	756
Liberal Arts and Sciences/Liberal Studies.			649		89		11			749
Emergency Medical Technology/Technician (EMT Paramedic).	512	89	83		30					714

State Totals include Majors conferred by ALL PUBLIC INSTITUTIONS which includes all resident and non-resident students.



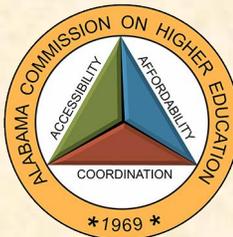
The Workforce Gap



SOURCE: Carol D'Amico, "Workforce 2020: Work & Workers in the 21st Century"

Statewide Priority Areas and Goals

- **Priority 1** – Cooperate with PK-12 to increase students' preparedness for college and career
- **Priority 2** – Establish a PK-20 Council
- **Priority 3** – Increase graduates in Science, Technology, Engineering, and Mathematics (STEM) fields
- **Priority 4** – Seek necessary financial resources for education in Alabama
- **Priority 5** – Establish a comprehensive Workforce Development Plan for Alabama



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February 24, 2015



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