



BOARD *of* GOVERNORS

State University System of Florida

Programs of Strategic Emphasis Update

Roger Strickland
Director, Economic Development

August 28, 2019

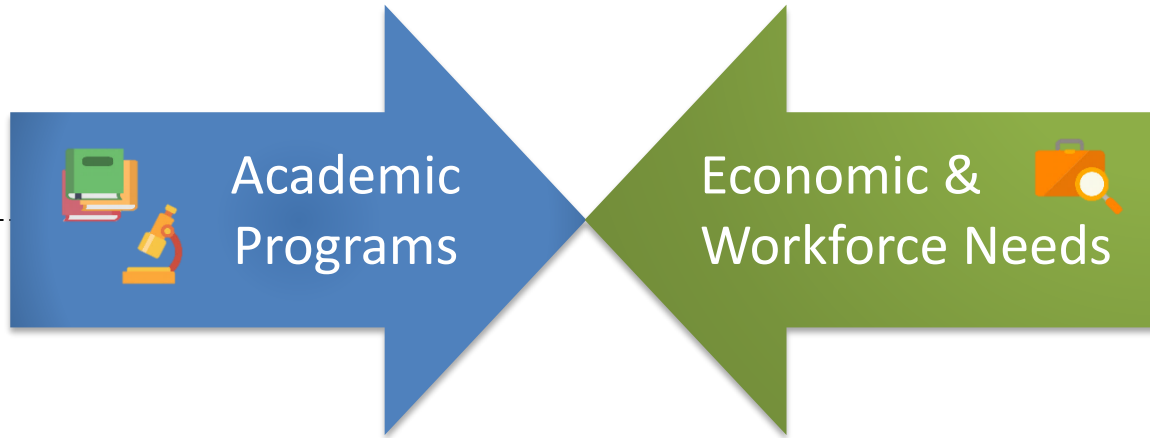
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Programs of Strategic Emphasis (PSE) – Overview

PSEs exist to better align SUS degree production with Florida's economic & workforce needs

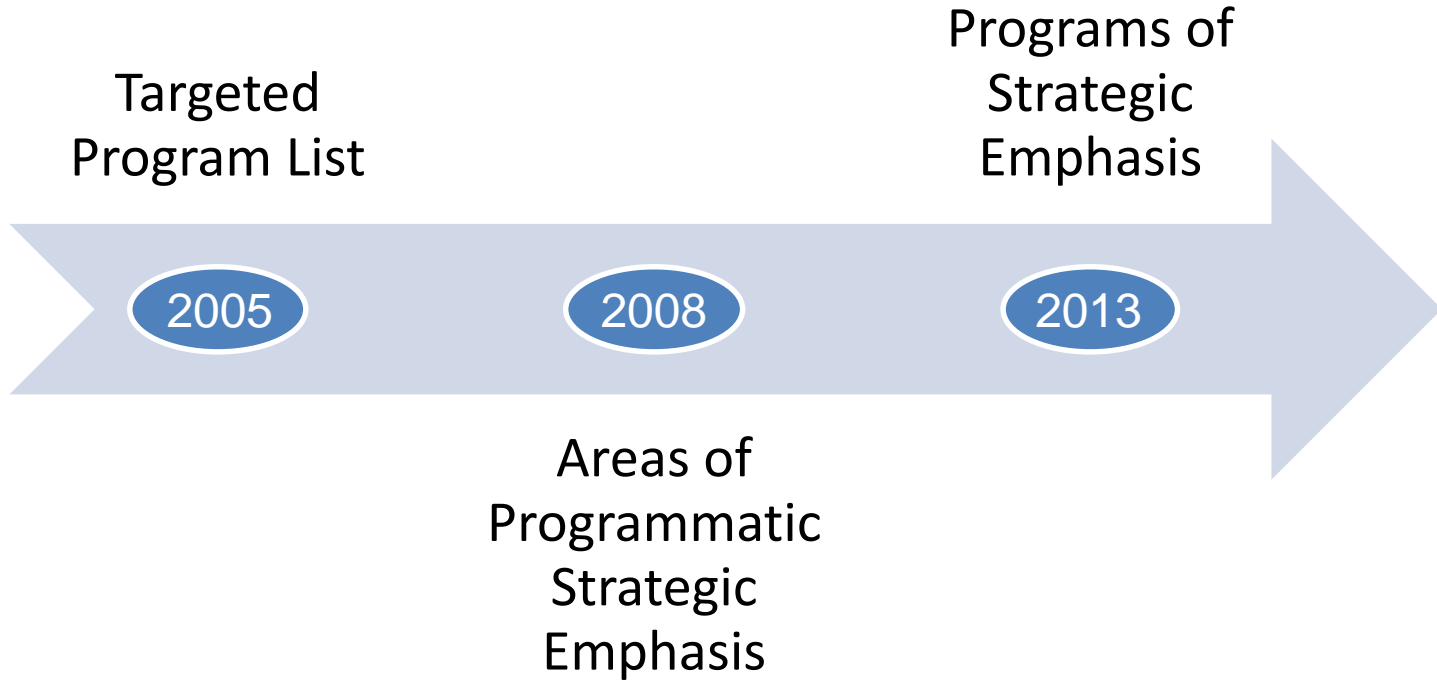
ALIGNMENT



ALIGNMENT

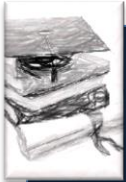


Programs of Strategic Emphasis – History





Programs of Strategic Emphasis – Categories



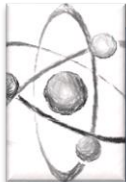
EDUCATION



HEALTHCARE



GLOBAL
COMPETIVENESS



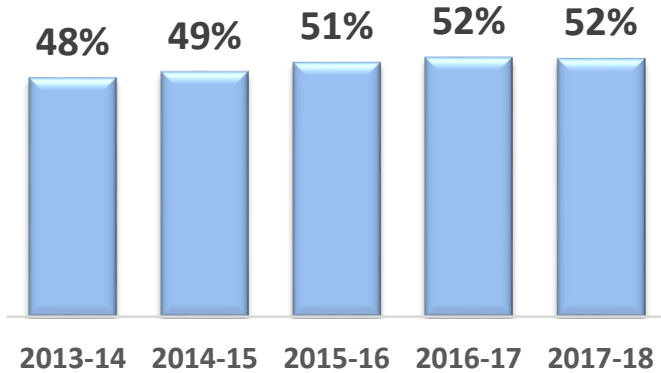
STEM



GAP ANALYSIS

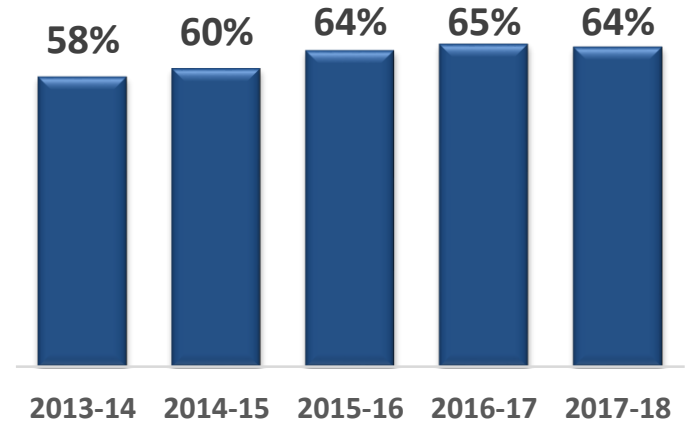


Historical Trend Data – Percentage of Degrees Awarded in Programs of Strategic Emphasis



% Baccalaureate Degrees Awarded in Programs of Strategic Emphasis

Source: SUS 2019 System Accountability Plan.

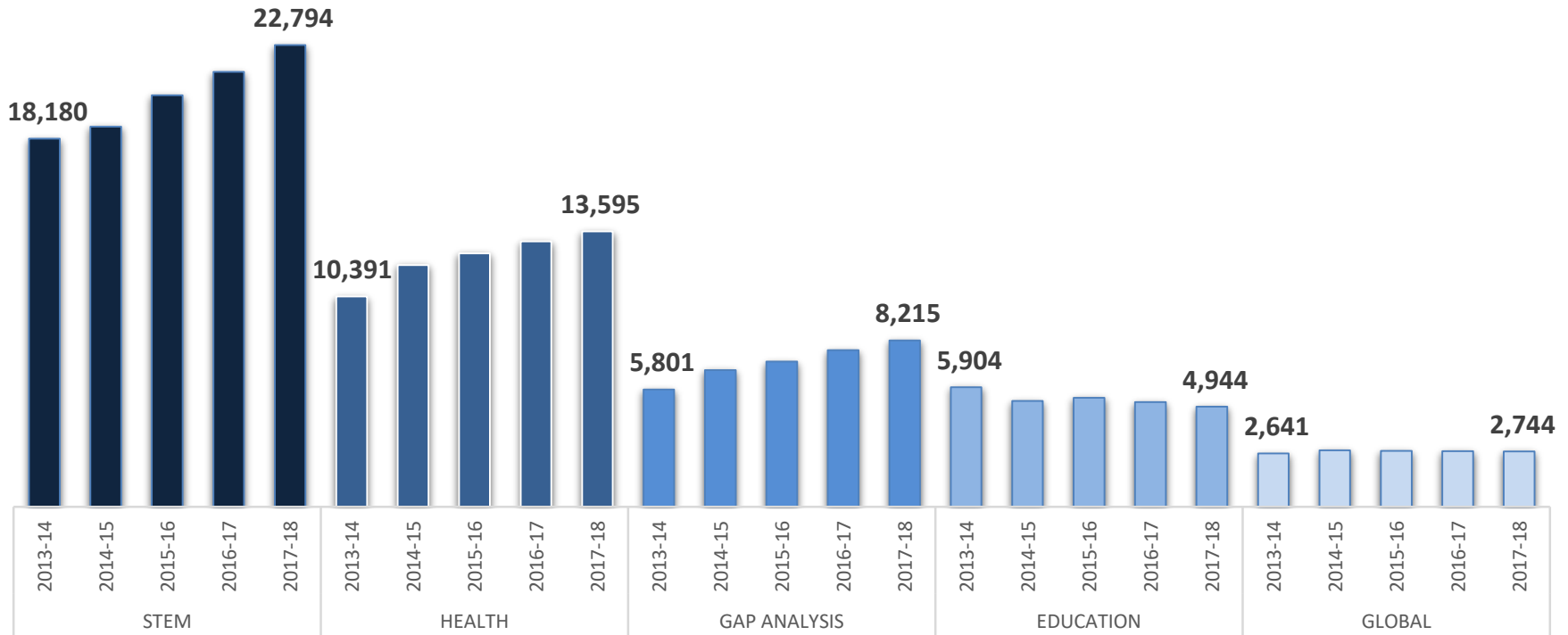


% Graduate Degrees Awarded in Programs of Strategic Emphasis

Source: SUS 2019 System Accountability Plan.



Historical Trend Data – Total Awards Conferred by PSE Category



Source: Analysis of data provided by the Florida Board of Governors Office of Data Analytics, 02/15/2019.



Programs of Strategic Emphasis – Recommendations



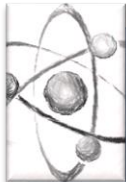
EDUCATION



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STEM



GAP ANALYSIS



Education



Based primarily on the Florida Department of Education's 2018-19 Recommended Critical Teacher Shortage Areas report

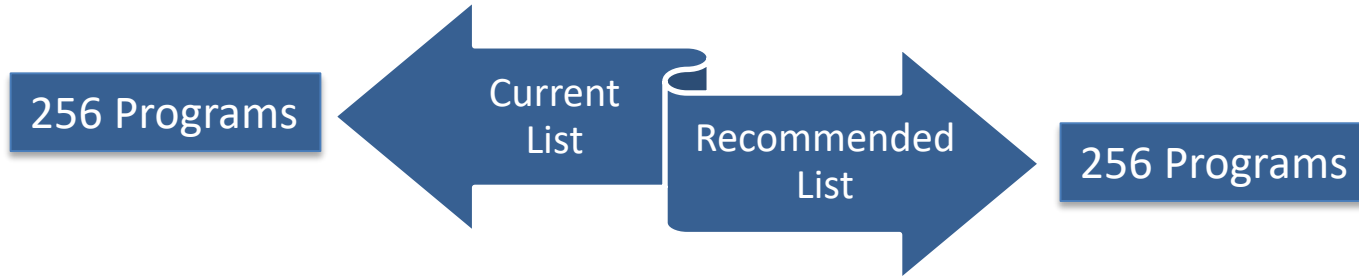




Healthcare



Based primarily on CIP Code 51 -
Health Professions & Related Programs

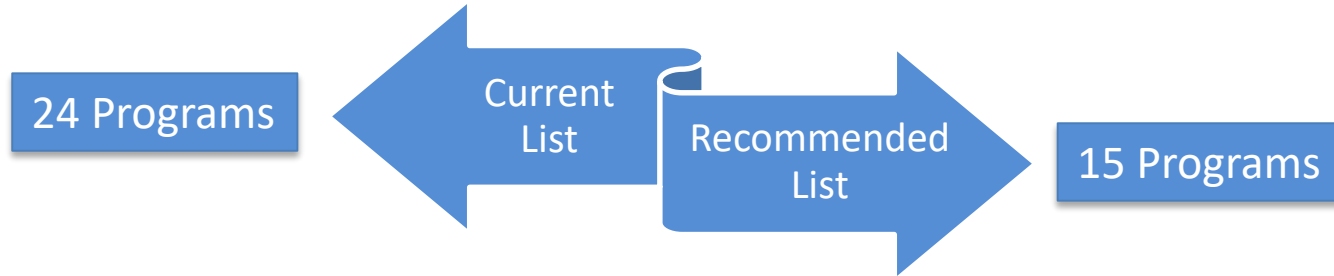




Global Competitiveness

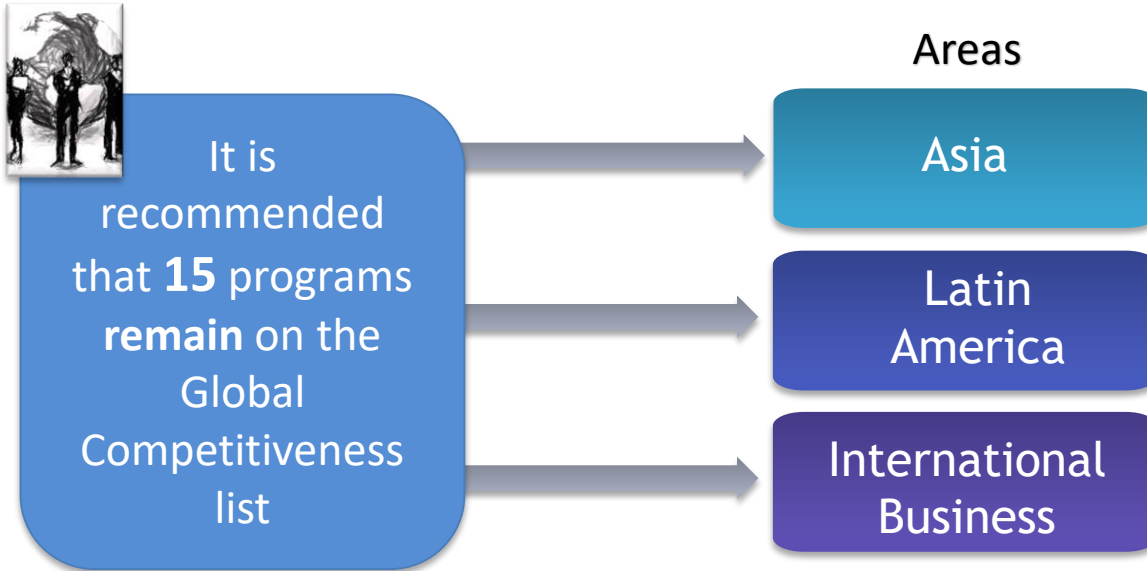


Based primarily on the State's latest primary international trading partners identified by Enterprise Florida



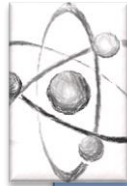


Global Competitiveness – Recommended List





STEM



Based primarily on nationally recognized lists* that identify STEM programs

374 Programs

Current List

Recommended List

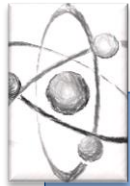
395 Programs

* Reference STEM lists include, but are not limited to, those published by the Florida Department of Economic Opportunity, the United States Department of Homeland Security, and the National Science Foundation.



STEM – Recommended Additions

Examples



It is recommended that **21** programs be added to the STEM category

Additional agriculture & architecture programs

Programs under research & experimental

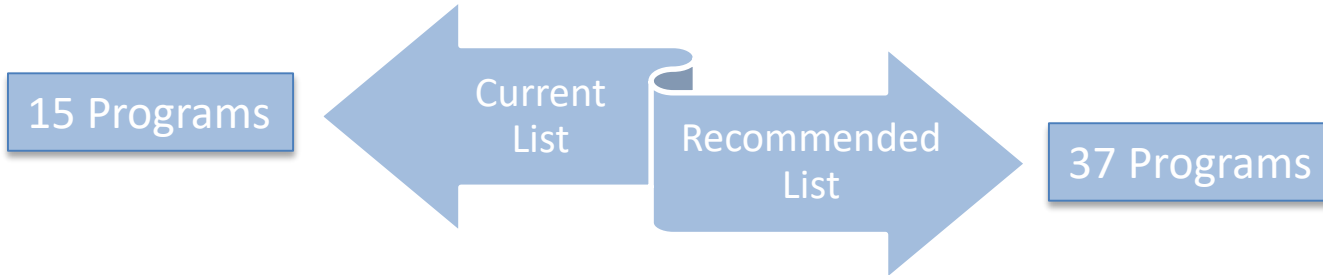
Economic & business programs with math focus



Gap Analysis



Based primarily on labor market supply/demand analysis





Gap Analysis - Methodology

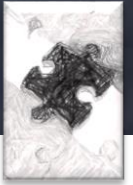


Gap Analysis Business Rules

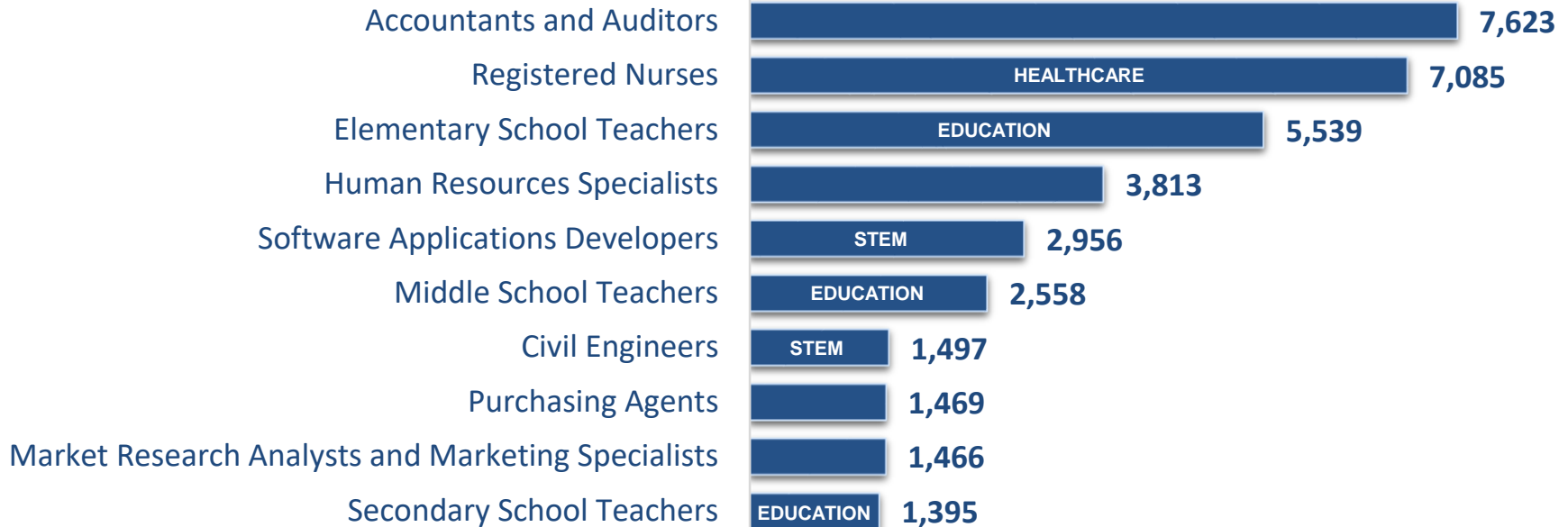
- Same as 2013
 - Occupation requires a bachelor's degree minimum for entry level per BLS
 - Excludes managerial occupations (11-* SOC codes)
 - Supply data was adjusted to acknowledge graduate occupational choices
 - Calculated gap of at least 100 openings
- New Strategic Enhancements Applied
 - Uses the new DEO separations methodology for determining demand
 - Growth rate of at least 10.1%
 - Median Florida wage of at least \$45,000 per year



Gap Analysis – Top Ten Unfiltered Occupations



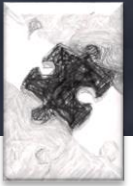
CALCULATED GAP



Source: Board of Governors Gap Analysis utilizing data from the Florida Department of Economic Opportunity, the National Center for Education Statistics' Integrated Postsecondary Data System (IPEDS), and the United States Department of Labor Bureau of Labor Statistics.



Gap Analysis – Top Five Filtered Occupations



CALCULATED GAP



Source: Board of Governors Gap Analysis utilizing data from the Florida Department of Economic Opportunity, the National Center for Education Statistics' Integrated Postsecondary Data System (IPEDS), and the United States Department of Labor Bureau of Labor Statistics.



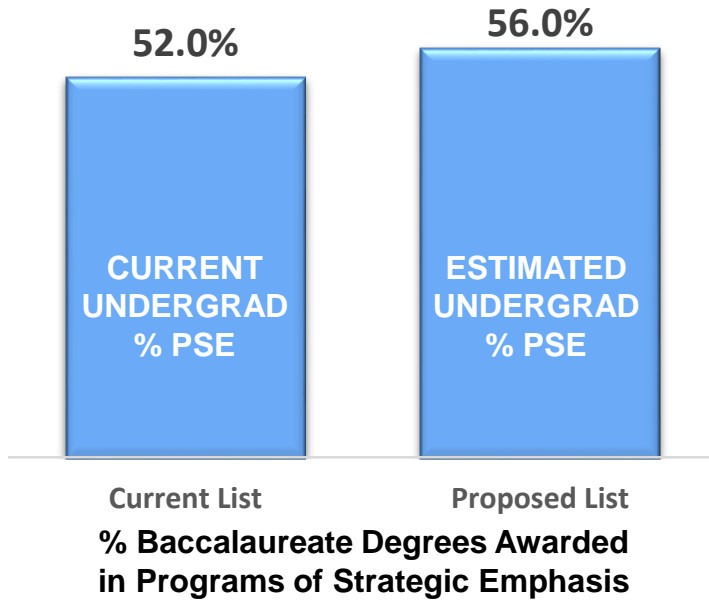
Gap Analysis - Programs to Add



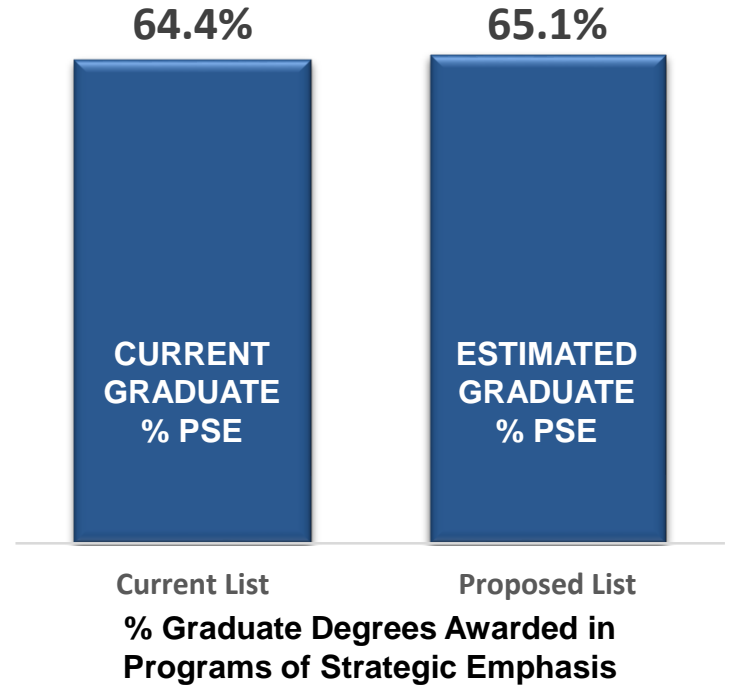
OCCUPATION	GAP	GROWTH %	MEDIAN WAGE	RELATED EDUCATION PROGRAMS
Accountants & Auditors	7,623	12.7	\$61,526	Auditing; Financial Forensics & Fraud Investigation; Taxation
Human Resources Specialists	3,813	11.7	\$52,790	Organizational Behavior Studies
Market Research Analysts & Specialists	1,466	23.9	\$57,845	Consumer Merchandising; Applied Economics; Marketing programs
Loan Officers	1,166	12.5	\$69,784	Credit Management
Personal Financial Advisors	1,046	16.6	\$97,739	Financial Planning & Services
Financial Analysts	1,011	12.5	\$69,264	International Finance; Investments & Securities; Public Finance
Logisticians	758	11.7	\$61,797	Operations Management & Supervision
Health Educators	426	14.8	\$47,050	Health Communication
Appraisers & Assessors of Real Estate	342	15.2	\$49,130	Real Estate Development; Real Estate
Multimedia Artists & Animators	249	10.6	\$55,474	Game & Interactive Media Design; Fine/Studio Arts; Drawing; Intermedia/Multimedia; Painting
Financial Examiners	228	15.2	\$73,819	Suspension & Debarment Investigation
Commercial & Industrial Designers	109	12.7	\$58,365	Commercial & Advertising Art



System Wide Percentage of Degrees Awarded in Programs of Strategic Emphasis – Potential Implications



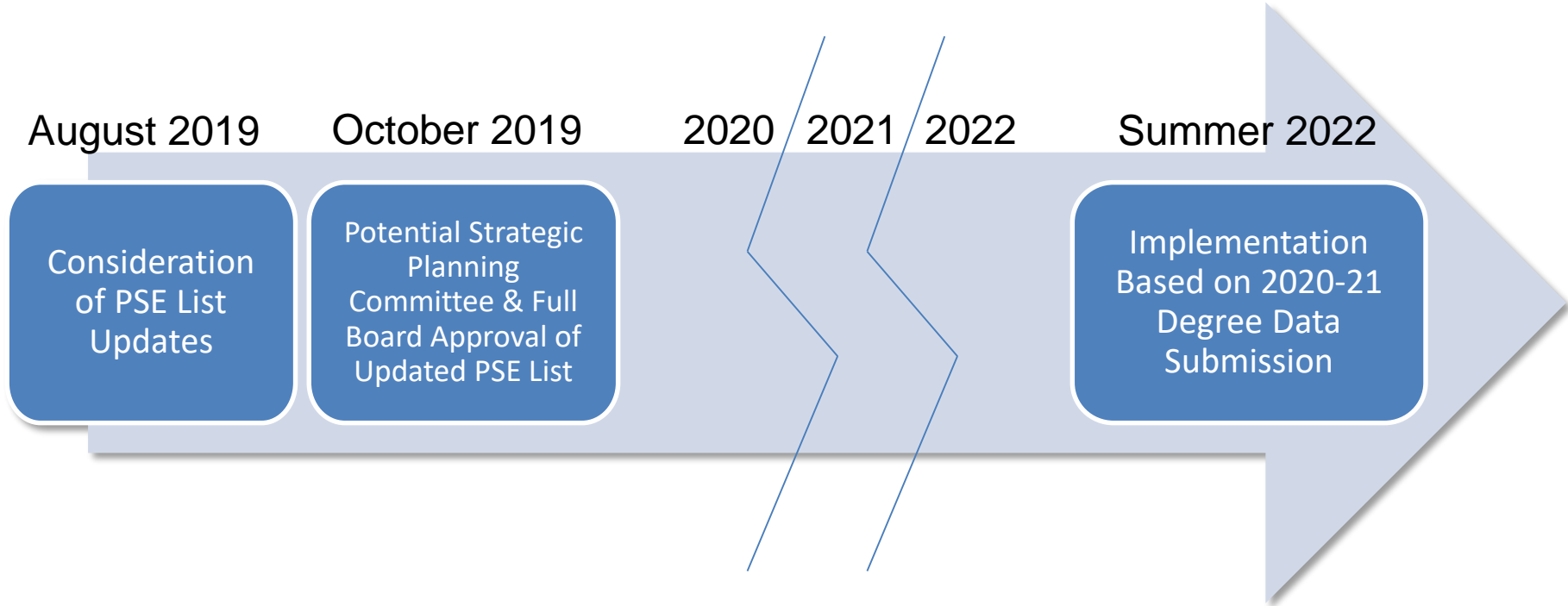
Source: Analysis of data provided by the Florida Board of Governors Office of Data Analytics, 07/29/2019.



Source: Analysis of data provided by the Florida Board of Governors Office of Data Analytics, 07/29/2019.



Proposed Implementation Timeline





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STEM – Recommended Additions



	CIP	PROGRAM TITLE
1.	01.0308	Agroecology and Sustainable Agriculture
2.	01.9999	Agriculture, Agriculture Operations, and Related Sciences, Other
3.	04.0902	Architectural and Building Sciences/Technology
4.	04.0999	Architectural Sciences and Technology, Other
5.	10.0304	Animation, Interactive Technology, Video Graphics and Special Effects
6.	29.0207	Cyber/Electronic Operations and Warfare
7.	30.2701	Human Biology
8.	42.2701	Cognitive Psychology and Psycholinguistics
9.	42.2702	Comparative Psychology
10.	42.2703	Developmental and Child Psychology

	CIP	PROGRAM TITLE
11.	42.2704	Experimental Psychology
12.	42.2705	Personality Psychology
13.	42.2707	Social Psychology
14.	42.2708	Psychometrics and Quantitative Psychology
15.	42.2709	Psychopharmacology
16.	42.2799	Research and Experimental Psychology, Other
17.	45.0301	Archeology
18.	45.0603	Econometrics and Quantitative Economics
19.	52.1302	Business Statistics
20.	52.1304	Actuarial Science
21.	52.1399	Management Sciences and Quantitative Methods, Other