Florida Teacher Preparation Programs: A Summary and Analysis of Program Performance

Summary and Analysis of
2018 Annual Program Performance Reports
Presented to the Florida Department of Education

January 2019

Prepared by Sandi Jacobs, EducationCounsel

EducationCounsel
Policy ⏐ Strategy ⏐ Law ⏐ Advocacy

Executive Summary

Evaluating and improving the effectiveness of classroom teachers has been a major area of focus of education policy over the last decade. The state of Florida has enacted and implemented numerous policies aimed at ensuring that all students have effective teachers, including policies that examine the quality of teacher preparation programs.

Florida has developed a system to support the continuous improvement of teacher preparation programs and hold them accountable for their own performance and the performance of the teachers they produce. The goal of this report is to provide comparative data from that system that can help programs improve their design and outcomes and to inform policymakers and consumers – school districts and prospective teacher candidates – about program strengths and weaknesses. Suggestions are also offered for consideration by the state to further develop and enhance the teacher preparation program accountability system.

This report is presented to fulfill the requirement articulated in section 1004.04, Florida Statutes, and detailed in State Board of Education Rule 6A-5.066, Florida Administrative Code, that the Florida Department of Education shall report the results of each approved teacher preparation program's annual progress on established performance measures as well as each program's current approval status. In accordance with the statute, this report must be made available to the Governor; the President of the Senate; the Speaker of the House of Representatives; the State Board of Education; the Board of Governors; the Commissioner of Education; Florida teacher preparation programs; school districts superintendents; and the general public.

This report reflects data from the 2018 Annual Program Performance Reports (APPRs), which generally correspond to the 2015-2016 school year.

To measure program performance, the Florida Department of Education reviews the following data for each program annually:

1. **Placement rate** of program completers into instructional positions in Florida public schools.
2. **Rate of retention** for employed program completers in instructional positions in Florida public schools.
3. **Performance of students** in pre-K through grade 12 who are assigned to in-field program completers on statewide assessments using the results of Florida's student learning growth formula.
4. **Performance of students** in pre-K through grade 12 who are assigned to in-field program completers aggregated by **student subgroup**.
5. Results of program completers' **annual teacher evaluations**.
6. Production of program completers in statewide **critical teacher shortage areas**.

Programs receive a performance score for each of the first five metrics on a scale of one to four, with four indicating the highest level of performance. The sixth metric, production of teachers in critical shortage areas, is a bonus category and not calculated into summative ratings unless programs receive the bonus.

Florida has 363 teacher preparation programs. To increase the amount of available performance data that can be considered, some similar programs within an institution are combined for accountability purposes. These aggregations result in the analysis of 296 programs in this report.

For the first time, this report also includes preliminary data and analysis from program site reviews, which provide additional information that will be used in determining whether programs are granted Continued Approval Status. Site visits look at program design and candidate performance in order to provide feedback for program improvement as well as ratings that can be used by the state for accountability purposes. To date, a small number of programs have had site visits, and the information included in this report is for informational purposes only.

Also new this year, the report includes data showing the performance of teacher candidates on Florida Teacher Certification Examinations.

2018 Florida Teacher Preparation Program Performance

Overall Findings

- Three programs share the top ranking in the state of Florida for 2018: **Mathematics program at Florida Atlantic University**; **Middle Grades Mathematics program at Indian River State College;** and **Middle Grades Mathematics program at Northwest Florida State College**. This is the third year in a row that the Middle Grades Mathematics program at Indian River State College is the highest ranked program in the state. In the reporting years of 2010-2011 through 2015-2016, the Florida Atlantic program had 28 completers, the Indian River State College program had 66 completers, and the Northwest Florida State College program had 16 completers.
- At the elementary level, the **Elementary Education/ESOL Endorsement/Reading Endorsement program at Florida A&M University** had the highest ranking in the state (165 completers).
- The highest ranked English Education or Reading program is the **English/ESOL Endorsement program** at **Florida Atlantic University** (98 completers).
- The highest ranked Mathematics programs are also the highest ranked programs in the state: **Mathematics program at Florida Atlantic University**; **Middle Grades Mathematics program at Indian River State College;** and **Middle Grades Mathematics program at Northwest Florida State College.**
- Due in part to the lack of applicability for some types of programs and availability of data for some metrics, only 76 of 296 programs (26 percent) have enough performance

data for their programs to receive a 2018 ranking. (Programs must have scores on at least four of the six performance metrics to be ranked; FDOE elected to require at least four subscores so that programs associated with student performance measures are highlighted.)

- Forty programs improved their summative scores between 2017 and 2018, while 29 programs' scores decreased.
- The **Elementary Education/ESOL Endorsement program at the University of North Florida** had the greatest increase in summative score, rising from a 2.0 in 2016 to a 3.4 in 2018.

Individual Performance Metric Findings

- Only 190 of 296 programs received a placement rate score for 2018. Among the programs receiving a score, the average placement rate score was 2.98, continuing an upward trend since 2015.
- Only 183 of 296 programs received a retention rate score for 2018. Among the programs receiving a score, nearly all programs received a score of 3.0 or 4.0. The average retention rate score was 3.4, the same as in 2016 and 2017.
- Just 81 of 296 programs received a score for student learning growth for 2018. The average program score for performance of students on statewide assessments was 2.91.
- Just one program in the state -- **Indian River State College–Middle Grades Mathematics** received the highest possible score for performance of students on statewide assessments. This program earned a perfect 4.0 for the third year in a row.
- Of the 81 programs receiving a score for student subgroup performance on statewide assessments, the average program score for 2018 was 2.58.
- 237 out of 296 programs received a teacher evaluation score for 2018. The average score for annual teacher evaluations was 3.4, the highest average score yet on this metric.
- 31 out of 107 eligible programs (29 percent) had a higher number of completers than the prior year and received the critical teacher shortage bonus.
- Ten out of the 31 programs that earned the critical shortage area bonus received low scores for teacher placement.

Introduction

Evaluating and improving the effectiveness of classroom teachers has been a major area of focus of education policy over the last decade. The state of Florida has enacted and implemented numerous policies aimed at ensuring that all students have effective teachers, including policies that examine the quality of teacher preparation programs.

Florida has developed a system to support the continuous improvement of teacher preparation programs and hold them accountable for their own performance and the performance of the teachers they produce. The goal of this report is to provide comparative data from that system that can help programs improve their design and outcomes, as well as to inform policymakers and consumers – school districts and prospective teacher candidates – about program strengths and weaknesses.[1]

This report is presented to fulfill the requirement articulated in section 1004.04, Florida Statutes, and detailed in State Board of Education Rule 6A-5.066, Florida Administrative Code, that the Florida Department of Education shall report the results of each approved teacher preparation program's annual progress on established performance measures as well as each program's current approval status. In accordance with the statute, this report must be made available to the Governor; the President of the Senate; the Speaker of the House of Representatives; the State Board of Education; the Board of Governors; the Commissioner of Education; Florida teacher preparation programs; school districts superintendents; and the general public.

This report is the 2018 edition, generally reflecting data corresponding to teacher preparation program completers employed in the 2015-2016 school year.[2]

For the first time, this year's report also includes preliminary data and analysis from program site reviews, which provide additional information that will be used in determining whether programs are granted Continued Approval status. Site visits look at program design and candidate performance in order to provide feedback for program improvement as well as ratings that can be used by the state for accountability purposes. To date, a small number of programs have had site visits, and the information included in this report is presented for informational purposes only. Also new this year, the report includes data showing the performance of teacher candidates on Florida Teacher Certification Examinations. (See Appendix H.)

After a brief overview of teacher preparation in Florida and the state's accountability system for teacher preparation programs, this report presents:

---

[1] While the report provides comparative rankings, the data set is not robust enough to test for statistically significant differences among programs. There is a large amount of variability in the data set, including the size of programs and the number of subscores available for each program.

[2] Details about the specific timeframe associated with data for each performance metric are provided in Figure 4 in the next section.

- Summative findings that rank the overall performance of programs with sufficient data;
- Analysis of each of the metrics used to measure program performance;
- Suggestions for consideration by the state on ways to further develop and enhance the accountability system; and
- Site review analysis and suggestions for consideration by the state as the site review process advances and becomes fully integrated into the accountability system.

Teacher Preparation in Florida

There are three types of state-approved programs that lead to certification of new teachers in Florida: Initial Teacher Preparation Programs (ITPs), Educator Preparation Institutes (EPIs), and Professional Development Certification Programs (PDCPs).

Initial Teacher Preparation Programs are generally offered at postsecondary institutions and typically culminate in a bachelor's or master's degree. This is the more traditional pathway to a teaching license.

Educator Preparation Institutes provide an alternate route to teacher certification for prospective teachers including career changers and recent college graduates who already hold a bachelor's degree. EPIs are generally provided by postsecondary institutions.

Professional Development Certification Programs are an alternate route offered by school districts, charter schools and charter management organizations that allow teachers with temporary licenses to work as teachers of record while earning their full certification.

For 2018, there were 86 providers of teacher preparation programs in Florida. Per 6A-5.066, Florida Administrative Code, eligible providers of teacher preparation programs are Florida postsecondary institutions, private providers, school districts, charter schools, and charter school management organizations. Of the 86 providers, 33 are districts that run their own PDCP programs.[3] All other providers are institutions of higher education (IHEs), including 33 public IHEs and 20 private IHEs.

---

[3] The authorizing statute for professional development certification programs (Section 1012.56(8), FS) was amended to reflect that districts may provide such programs, rather than they must do so. As a result some districts have approved programs that are inactive. At present, there are five PDCPs without active enrollments.

FIGURE 1
Florida Teacher Preparation Providers

Total=86
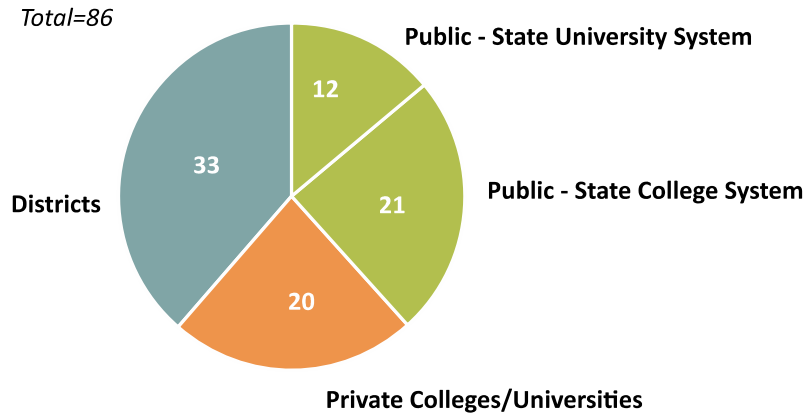
Florida has 363 teacher preparation programs[4]. Thirty-three are offered by local school districts, 65 by the Florida College System, 171 by the State University System, and 94 by private colleges or universities.[5]

Of these programs, 20 are Educator Preparation Institutes and 33 are district-run Professional Development Certification Programs. The overwhelming majority of programs in the state, 310, are Initial Teacher Preparation Programs.

FIGURE 2
Types of Teacher Preparation Programs

NUMBER OF PROGRAMS

The 310 Initial Teacher Preparation Programs cover a wide-range of subject matter, with the most commonly-offered program Elementary Education, which is offered by 47 providers.

---

[4] To increase the amount of available performance data that can be considered, some similar programs within an institution are combined for accountability purposes. These aggregations result in the analysis of 296 programs in this report. This is discussed further in the next section and Appendix B.

[5] These numbers are considerably lower than the number of programs included in last year's report, which identified 433 programs in the state. The reduction is due to an ongoing effort by FDOE to remove inactive or defunct programs from its rolls.

FIGURE 3
Subject Areas of Initial Teacher Preparation Programs

Subject Area	Count
Elementary Education	47
Exceptional Student Education	23
Biology	22
English	20
Mathematics	20
Music	20
Social Science	19
Pre-K/Primary Education	14
Chemistry	13
Physics	13
Guidance/Counseling	11
Reading	10
Art	9
Middle Grades Math	9
Middle Grades General Science	8
Physical Education	8
School Psychologist	8
Spanish	5
Earth/Space Science	4
French	4
Drama	2
German	2
Italian	2
Latin	2
Pre-School Education	2
Russian	2
Agriculture	1
American Sign Language*	1
Business Education	1
Chinese	1
Hearing Impaired†	1
Middle Grades English	1
Japanese	1
Middle Grades Math/General Science	1
Middle Grades Social Science	1
Technology Education	1
Visually Impaired	1

*American Sign Language is an endorsement area.

†There is more than one program in the state that focuses on teaching hearing impaired students. Programs that also provide certification in elementary education were included in the elementary education category.

Florida's Teacher Preparation Accountability System

Florida is a national leader in developing an accountability system for its teacher preparation programs. While a number of states have begun to bring more transparency to the quality of teacher preparation, Florida has done more than most states to identify multiple measures that reflect program performance, establish rating scales to assess these measures, and share these data along with summative ratings with the public.[6] Importantly, Florida's teacher preparation program accountability system is designed to evaluate at the program level, rather than evaluation of institutional-level performance. Data aggregated for all teacher candidates across multiple programs within an institution can mask significant differences in program performance. For example, while an elementary reading program at an institution may be very strong, its secondary mathematics program may be weak. Individualized program scores ensure that prospective students and school districts can make better decisions.

Although the state aims for program-level accountability, it does combine together data from certain programs to increase the amount of available data. For example, in certain cases graduate and undergraduate programs are combined, discrete science programs such as biology, chemistry or physics are combined, and discrete world language programs (e.g., French or Spanish) are combined.

To measure program performance, the FDOE reviews the following data for each program annually:

1. **Placement rate** of program completers into instructional positions in Florida public schools.
2. **Rate of retention** for employed program completers in instructional positions in Florida public schools.[7]
3. **Performance of students** in pre-K through grade 12 who are assigned to in-field program completers on statewide assessments using the results of Florida's student learning growth formula.
4. **Performance of students** in pre-K through grade 12 who are assigned to in-field program completers aggregated by **student subgroup**.
5. Results of program completers' **annual teacher evaluations**.
6. Production of program completers in statewide **critical teacher shortage areas**.

---

[6] National Council on Teacher Quality, 2017 *State Teacher Policy Yearbook*
https://www.nctq.org/dmsView/NCTQ_2017_State_Teacher_Policy_Yearbook
[7] For the placement and retention rate metrics, placement and retention in private schools and out-of-state schools are also considered when data are provided by the institution and verified.

FIGURE 4

2018 APPR Performance Metric Timeframe and Minimum Requirements

Performance Criterion	Data Timeframe	Minimum Number of Completers for Inclusion
Placement rate	Results from completers employed in 2014-2015 or 2015-2016	At least three completers in the selected cohort time period of 2013-2014
Retention rate	Results from completers employed in 2011-2012 or 2012-2013 and employed within the 5-year period after initial hire	At least three completers in the selected cohort time period of 2010-2011
Student performance on statewide assessments	Results from completers employed in 2015-2016	At least two completers who are employed in-field and are from the cohort time period of 2012-2013, 2013-2014 and 2014-2015
Statewide performance by subgroups	Results from completers employed in 2015-2016	At least two completers who are employed in-field and are from the cohort time period of 2012-2013, 2013-2014 and 2014-2015
Teacher evaluation	Results from completers employed in 2015-2016	At least two completers who are employed in-field and are from the cohort time period of 2012-2013, 2013-2014 and 2014-2015
Critical teacher shortage	Results from total number of completers in 2015-2016 compared to 2014-2015	At least two completers in each year

Programs receive a performance score for each of the first five metrics on a scale of one to four, with four indicating the highest level of performance. (The full rubric can be found in Appendix A.) The sixth metric, production of teachers in critical shortage areas, is a bonus category and not calculated into summative ratings unless programs receive the bonus.

Summative ratings are calculated by averaging all performance scores received by a program. For programs receiving the critical shortage bonus, the five other scores are weighted at 0.8 and the shortage bonus weighted at 0.2 to calculate the summative rating score.

Florida teacher preparation programs are approved for five-year periods. At the end of each five-year period, FDOE examines the annual summative rating scores for each of the program's annual program performance reports, along with data and findings collected during a site visit

review. A formula[8] is used to determine a Continued Approval Summative Score (CASS) on a scale of 1.0 to 4.0, and continued approval is granted to programs deemed to be providing satisfactory preparation to new teachers.

2018 Florida Teacher Preparation Program Performance

Finding: Only 76 out of 296 programs (26 percent) have enough performance data for their programs to receive a 2018 ranking.

As previously noted, some similar programs within an institution are combined to increase the amount of available performance data that can be considered. These aggregations result in the analysis of 296 programs in this report. (See Appendix B for program aggregations.)

For the purposes of this report, programs must have a minimum of four subscores to be ranked. Only 76 programs have the minimum of four subscores necessary for their summative ratings and resulting rankings to be presented here. Thus, rankings are provided for just 26 percent of analyzed programs. This is due in large part to the lack of student growth data for teachers in most programs. Student growth data for EPIs and PDCPs will not be available until spring 2019. FDOE elected to require at least four subscores so that programs associated with student performance measures are highlighted.

The percentage of ranked programs is higher than in 2017, when only 23 percent of programs were ranked. However, this increase is a result of the total number of programs being lowered from 344 last year to 296 this year as FDOE has worked to remove inactive programs from its roster. The actual number of programs ranked is slightly lower than last year, when 78 programs received rankings.

---

[8] Rule 6A-5.066 was amended as of April 30, 2018 to include the formula for Continuing Approval. In order to calculate the continued approval summative score, the weights for each component of the continued approval summative score are 50% for the APPR Average Summative Rating, 20% for the Continued Approval Site Visit Rating, and 30% for Evidence of Programmatic Improvement Rating.

FIGURE 5
Performance Metrics per Program
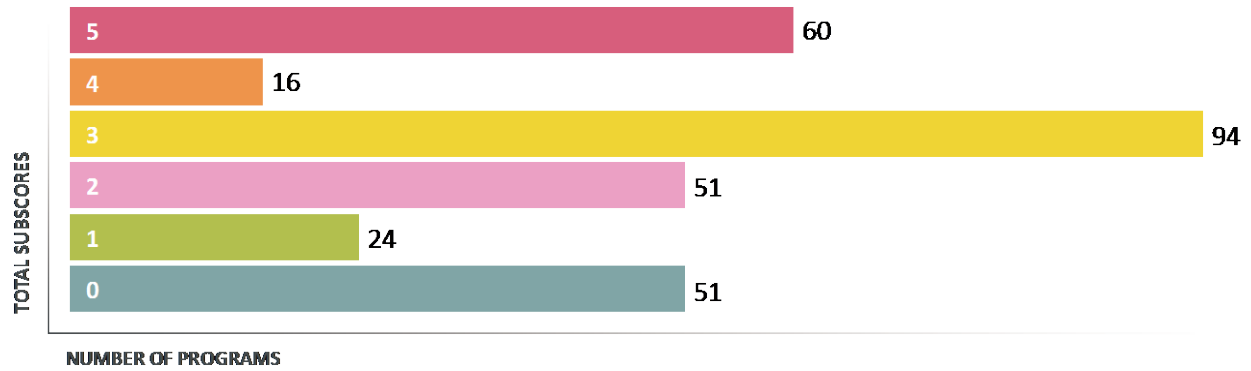
Finding: Three programs share the top ranking in the state of Florida for 2018: the *Mathematics program at Florida Atlantic University*; the *Middle Grades Mathematics program at Indian River State College*; and the Middle Grades Mathematics program at *Northwest Florida State College*. The Middle Grades Mathematics program at Indian River State College is the top-ranked program for the third year in a row.

FIGURE 6
2018 Program Rankings Summary Table
All Programs with 4 or 5 Subscores

Rank	Institution	Program	Summative Score	Number of Completers[9]
1	Florida Atlantic University	Mathematics	3.8	28
1	Indian River State College	Middle Grades Mathematics	3.8	66
1	Northwest Florida State College	Middle Grades Mathematics	3.8	16
4	Florida Atlantic University	English/ESOL	3.7	98
5	Barry University	Reading	3.6	237
5	Florida A&M University	Elementary Education/ESOL/ Reading	3.6	165
5	Florida Memorial University	Reading/ESOL	3.6	24

[9] The number of completers represents the total number for the six-year cohort that spans 2010-2011 to 2015-2016. This six-year cohort corresponds to the reporting years for the 2018 APPRs.

Rank	Institution	Program	Summative Score	Number of Completers[9]
5	University of South Florida	Mathematics	3.6	149
9	Florida Atlantic University	Reading	3.5	116
9	Florida State University	Mathematics	3.5	82
9	Southeastern University	English/ESOL	3.5	14
9	University of North Florida	English/ESOL	3.5	64
13	Chipola College	Elementary Education/ ESOL/Reading	3.4	126
13	Saint Leo University	Reading	3.4	211
13	University of Central Florida	English/ESOL	3.4	292
13	University of Central Florida	Mathematics	3.4	213
13	University of North Florida	Elementary Education/ESOL	3.4	846
13	University of North Florida	Middle Grades Math/Middle Grades General Science	3.4	44
13	University of South Florida	English/ESOL	3.4	312
20	Chipola College	English Education/ESOL	3.3	18
20	Chipola College	Middle Grades Mathematics	3.3	10
20	St. Petersburg College	Middle Grades Mathematics	3.3	21
23	Flagler College	English/ESOL	3.2	18
23	Florida Atlantic University	Elementary Education/ ESOL/Reading	3.2	1,826
23	Florida Gulf Coast University	Elementary Education/ESOL/ Reading	3.2	555
23	Florida International University	Reading	3.2	227
23	Florida Memorial University	Elementary Education/ESOL	3.2	43
23	Miami Dade College	Mathematics	3.2	55
23	Nova Southeastern University	Reading	3.2	92

Rank	Institution	Program	Summative Score	Number of Completers[9]
23	Saint Leo University	Elementary Education/ESOL/Reading	3.2	705
23	St. Petersburg College	Mathematics	3.2	35
23	University of Central Florida	Reading	3.2	200
23	University of Florida	Elementary Education/Exceptional Student Education/ESOL/Reading	3.2	187
23	University of Florida	Elementary Education/ESOL/Reading	3.2	464
23	University of South Florida	Middle Grades Mathematics	3.2	48
23	University of West Florida	Reading	3.2	64
37	Barry University	Elementary Education/ESOL Reading	3.0	70
37	Broward College	Middle Grades Mathematics	3.0	14
37	Florida College	Elementary Education/ESOL	3.0	48
37	Florida International University	English/ESOL	3.0	30
37	Florida Southern College	Elementary Education/ESOL	3.0	195
37	Florida State University	English/ESOL	3.0	184
37	Rollins College	Elementary Education/ESOL	3.0	77
37	Stetson University	Elementary Education/ESOL	3.0	81
37	University of South Florida	Reading	3.0	178
37	University of South Florida Sarasota Manatee	Elementary Education/ ESOL	3.0	356
37	University of South Florida St. Petersburg	Elementary Education/Exceptional Student Education/ESOL/Reading	3.0	449
37	University of South Florida St. Petersburg	Elementary Education/ESOL/Reading	3.0	50

Rank	Institution	Program	Summative Score	Number of Completers[9]
37	University of West Florida	Elementary Education/Exceptional Student Education/ESOL/Reading	3.0	325
50	Flagler College	Elementary Education/Hearing Impaired/ESOL/Reading	2.8	57
50	Florida International University	Elementary Education/ESOL/Reading	2.8	978
50	Lynn University	Elementary Education/ESOL/Reading	2.8	46
50	Northwest Florida State College	Elementary Education/ESOL/Reading	2.8	166
50	St. Petersburg College	Elementary Education/ESOL/Reading	2.8	493
50	University of Central Florida	Middle Grades Mathematics	2.8	22
50	University of Florida	English/ESOL	2.8	80
50	University of South Florida St. Petersburg	Reading	2.8	58
50	University of Tampa	Elementary Education/ESOL/Reading	2.8	220
50	Warner University	Elementary Education/ESOL	2.8	54
60	Flagler College	Elementary Education/Exceptional Student Education/ESOL/Reading	2.6	247
60	Flagler College	Elementary Education/ESOL/Reading	2.6	278
60	Florida SouthWestern State College	Elementary Education/ESOL/Reading	2.6	472
60	Florida State University	Elementary Education/ESOL/Reading	2.6	520
60	Jacksonville University	Elementary Education/ESOL/Reading	2.6	61
60	Saint Leo University	Middle Grades English/ESOL/Reading	2.6	53
60	University of North Florida	Mathematics	2.6	48

Rank	Institution	Program	Summative Score	Number of Completers[9]
60	University of South Florida	Elementary Education/ESOL	2.6	1,638
68	Chipola College	Mathematics	2.5	16
68	Daytona State College	Elementary Education/ ESOL/Reading	2.5	240
70	Nova Southeastern University	Elementary Education/ ESOL/Reading	2.4	162
70	Palm Beach Atlantic University	Elementary Education/ESOL	2.4	78
70	Southeastern University	Elementary Education/ESOL/ Reading	2.4	125
70	University of Miami	Elementary Education/ Exceptional Student Education/ ESOL/Reading	2.4	56
70	University of West Florida	Elementary Education/ESOL/ Reading	2.4	267
75	Bethune-Cookman University	Elementary Education/ESOL/ Reading	2.3	40
76	University of Central Florida	Elementary Education/ESOL/ Reading	2.2	2,819

Full program ratings, including all subscores, can be found in Appendix C.

The average summative rating for ranked programs in 2018 is 3.0, unchanged from the mean summative rating in 2017 and 2016.

Notably, some of the largest programs in the state generally have below average performance ratings. The single largest program, the Elementary Education/ESOL/Reading program at the University of Central Florida, with over 2,800 completers, has the lowest summative rating among all ranked programs for the second year in a row. Two other large programs, the Elementary Education/ESOL/Reading program at Florida Atlantic University and the Elementary Education/ESOL program at the University of North Florida, have markedly improved their scores from last year (see Figure 13).

FIGURE 7
Largest Programs Ratings and Rankings

Institution	Program	Number of Completers	Summative Score	Rank
University of Central Florida	Elementary Education/ESOL/Reading	2,819	2.2	76
Florida Atlantic University	Elementary Education/ESOL/Reading	1,826	3.2	23
University of South Florida	Elementary Education/ESOL	1,638	2.6	60
Florida International University	Elementary Education/ESOL/Reading	978	2.6	50
University of North Florida	Elementary Education/ESOL	846	3.4	13

Of the 86 providers of teacher preparation programs in Florida, 37 providers are represented in the rankings. Eighteen providers operate multiple ranked programs. Institutional summaries of ranked programs can be found in Appendix D.

Finding: At the elementary level, *Florida A&M University, Elementary Education/ESOL Endorsement/Reading Endorsement* program has the highest overall rating with a 3.6 summative score.

FIGURE 8
2018 Rankings Summary Table
Elementary Education Programs

Rank	Institution	Program	Summative Score	Number of Completers
1	Florida A&M University	Elementary Education/ESOL/Reading	3.6	165
2	Chipola College	Elementary Education/ESOL/Reading	3.4	126
2	University of North Florida	Elementary Education/ESOL	3.4	846

Rank	Institution	Program	Summative Score	Number of Completers
4	Florida Atlantic University	Elementary Education/ESOL/Reading	3.2	1,826
4	Florida Gulf Coast University	Elementary Education/ESOL/Reading	3.2	555
4	Florida Memorial University	Elementary Education/ESOL	3.2	43
4	Saint Leo University	Elementary Education/ESOL/Reading	3.2	705
4	University of Florida	Elementary Education/ESOL/Reading	3.2	464
4	University of Florida	Elementary Education/Exceptional Student Education/ESOL/Reading	3.2	187
10	Barry University	Elementary Education/ESOL/Reading	3.0	70
10	Florida College	Elementary Education/ESOL	3.0	48
10	Florida Southern College	Elementary Education/ESOL	3.0	195
10	Rollins College	Elementary Education/ESOL	3.0	77
10	Stetson University	Elementary Education/ESOL	3.0	81
10	University of South Florida Sarasota Manatee	Elementary Education/ ESOL	3.0	356
10	University of South Florida St. Petersburg	Elementary Education/Exceptional Student Education/ESOL/Reading	3.0	449
10	University of South Florida St. Petersburg	Elementary Education/ESOL/Reading	3.0	50
10	University of West Florida	Elementary Education/Exceptional Student Education/ESOL/Reading	3.0	325
19	Flagler College	Elementary Education/Hearing Impaired/ESOL/Reading	2.8	57
19	Florida International University	Elementary Education/ESOL/Reading	2.8	978
19	Lynn University	Elementary Education/ESOL/Reading	2.8	46

Rank	Institution	Program	Summative Score	Number of Completers
19	Northwest Florida State College	Elementary Education/ ESOL/Reading	2.8	166
19	St. Petersburg College	Elementary Education/ESOL/ Reading	2.8	493
19	University of Tampa	Elementary Education/ ESOL/Reading	2.8	220
19	Warner University	Elementary Education/ESOL	2.8	54
26	Flagler College	Elementary Education/ESOL/ Reading	2.6	278
26	Flagler College	Elementary Education/ Exceptional Student Education/ ESOL/Reading	2.6	247
26	Florida SouthWestern State College	Elementary Education/ESOL/ Reading	2.6	472
26	Florida State University	Elementary Education/ESOL/ Reading	2.6	520
26	Jacksonville University	Elementary Education/ESOL/ Reading	2.6	61
26	University of South Florida	Elementary Education/ESOL	2.6	1,638
32	Daytona State College	Elementary Education/ ESOL/Reading	2.5	240
33	Nova Southeastern University	Elementary Education/ ESOL/Reading	2.4	162
33	Palm Beach Atlantic University	Elementary Education/ESOL	2.4	78
33	Southeastern University	Elementary Education/ESOL/ Reading	2.4	125
33	University of Miami	Elementary Education/ Exceptional Student Education/ ESOL/Reading	2.4	56
33	University of West Florida	Elementary Education/ESOL/ Reading	2.4	267
38	Bethune-Cookman University	Elementary Education/ESOL/ Reading	2.3	40

Rank	Institution	Program	Summative Score	Number of Completers
39	University of Central Florida	Elementary Education/ESOL/ Reading	2.2	2,819

Full program ratings, including all subscores, can be found in Appendix E.

The average summative score for elementary education programs is 2.8, lower than the average summative score of 3.0 for all programs. The average score for elementary programs has also dropped from an average of 2.9 last year, although the average for all programs is unchanged.

> Finding: The highest ranked English Education or Reading program is the *English/ESOL Endorsement program at Florida Atlantic University,* with a summative score of 3.7.

FIGURE 9
2018 Rankings Summary Table
English and Reading Programs

Rank	Institution	Program	Summative Score	Number of Completers
1	Florida Atlantic University	English/ESOL	3.7	98
2	Barry University	Reading	3.6	237
2	Florida Memorial University	Reading/ESOL	3.6	24
4	Florida Atlantic University	Reading	3.5	116
4	Southeastern University	English/ESOL	3.5	14
4	University of North Florida	English/ESOL	3.5	64
7	Saint Leo University	Reading	3.4	211
7	University of Central Florida	English/ESOL	3.4	292
7	University of South Florida	English/ESOL	3.4	312
10	Chipola College	English Education/ESOL	3.3	18

Rank	Institution	Program	Summative Score	Number of Completers
11	Flagler College	English/ESOL	3.2	18
11	Florida International University	Reading	3.2	227
11	Nova Southeastern University	Reading	3.2	92
11	University of Central Florida	Reading	3.2	200
11	University of West Florida	Reading	3.2	64
16	Florida International University	English/ESOL	3.0	30
16	Florida State University	English/ESOL	3.0	184
16	University of South Florida	Reading	3.0	178
19	University of Florida	English/ESOL	2.8	80
19	University of South Florida St. Petersburg	Reading	2.8	58
21	Saint Leo University	Middle Grades English/ ESOL/Reading	2.6	53

Full program ratings, including all subscores, can be found in Appendix F.

The average score for English and/or Reading programs is 3.2, higher than the average of 3.0 for all programs.

> **Finding: The highest ranking for mathematics is shared by three programs: the *Mathematics program at Florida Atlantic University*; the *Middle Grades Mathematics program at Indian River State College*; and the *Middle Grades Mathematics program at Northwest Florida State College*.**

FIGURE 10
2018 Rankings Summary Table
Mathematics Programs

Rank	Institution	Program	Summative Score	Number of Program Completers
1	Florida Atlantic University	Mathematics	3.8	28

1	Indian River State College	Middle Grades Mathematics	3.8	66
1	Northwest Florida State College	Middle Grades Mathematics	3.8	16
4	University of South Florida	Mathematics	3.6	149
5	Florida State University	Mathematics	3.5	82
6	University of Central Florida	Mathematics	3.4	213
6	University of North Florida	Middle Grades Math/Middle Grades General Science	3.4	44
8	Chipola College	Middle Grades Mathematics	3.3	10
8	St. Petersburg College	Middle Grades Mathematics	3.3	21
10	Miami Dade College	Mathematics	3.2	55
10	St. Petersburg College	Mathematics	3.2	35
10	University of South Florida	Middle Grades Mathematics	3.2	48
13	Broward College	Middle Grades Mathematics	3.0	14
14	University of Central Florida	Middle Grades Mathematics	2.8	22
15	University of North Florida	Mathematics	2.6	48
16	Chipola College	Mathematics	2.5	16

Full program ratings, including all subscores, can be found in Appendix G.

The average rating for mathematics programs is 3.3, higher than the average for all programs of 3.0.

Figure 11
Average Summative Score by Program Type
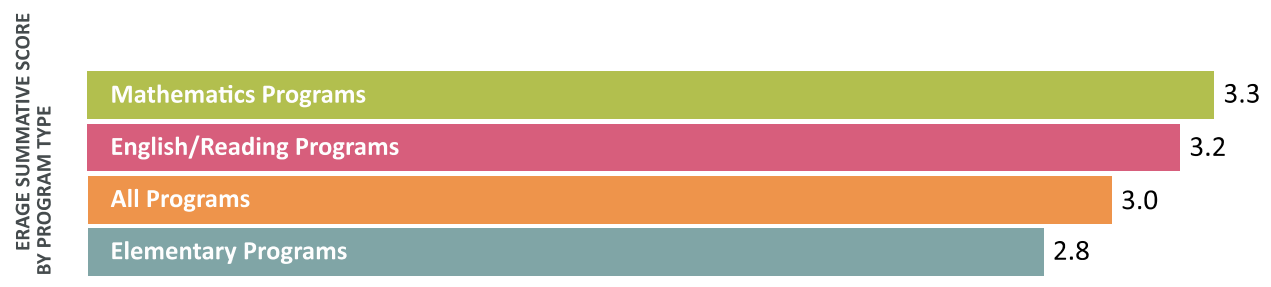
Progress Trends

> **Finding: Forty programs improved their summative scores between 2017 and 2018, while 29 programs' scores decreased.**

FIGURE 12

Change in Program Performance Scores 2017-2018
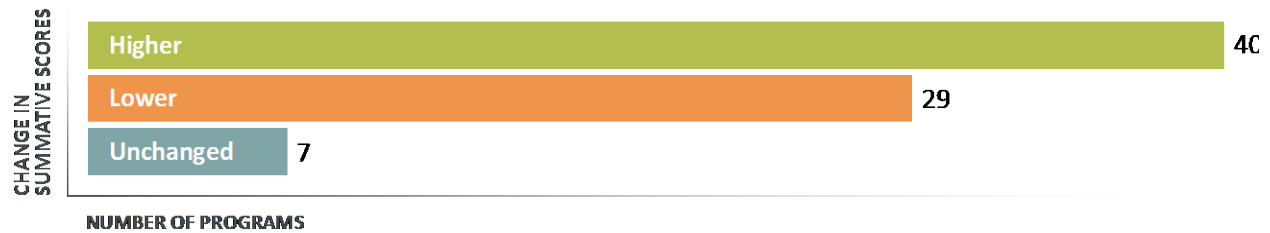
> **Finding: The *Elementary Education/ESOL Endorsement program at the University of North Florida* had the greatest increase in summative score, rising to a 3.4 in 2018 from a 2.0 in 2017. Last year, this program was among the programs with the greatest decrease. This year, the *Elementary Education/ESOL program at Palm Beach Atlantic University* had the greatest decrease of any program, dropping from a 3.6 in 2017 to a 2.4 in 2018.**

FIGURE 13

Summary Table - Program Summative Scores 2017-2018

Institution Name	Program Name	2018 Score	2017 Score [10]	Progress Trend
Barry University	Elementary Education/ ESOL/Reading	3.0	2.8	↑
Barry University	Reading	3.6	3.4	↑
Bethune-Cookman University	Elementary Education/ESOL/ Reading	2.3	3.0	↓

---

[10] Programs receiving a 1.0 in 2017 lacked sufficient data to receive an APPR rating. This could reflect low-enroll ment or other ways in which the program did not meet the business rules for APPR performance metric scoring.

Institution Name	Program Name	2018 Score	2017 Score [10]	Progress Trend
Broward College	Middle Grades Mathematics	3.0	1.0	↑
Chipola College	Elementary Education/ESOL/Reading	3.4	2.8	↑
Chipola College	English Education/ESOL	3.3	1.0	↑
Chipola College	Mathematics	2.5	3.0	↓
Chipola College	Middle Grades Mathematics	3.3	1.0	↑
Daytona State College	Elementary Education/ESOL/Reading	2.5	3.0	↓
Flagler College	Elementary Education/Exceptional Student Education/ESOL/Reading	2.6	3.4	↓
Flagler College	Elementary Education/ESOL/Reading	2.6	3.0	↓
Flagler College	Elementary Education/Hearing Impaired/ESOL/Reading	2.8	3.2	↓
Flagler College	English/ESOL	3.2	3.0	↑
Florida A&M University	Elementary Education/ESOL/Reading	3.6	3.0	↑
Florida Atlantic University	Elementary Education/ESOL/Reading	3.2	2.8	↑
Florida Atlantic University	English/ESOL	3.7	3.2	↑
Florida Atlantic University	Mathematics	3.8	3.4	↑
Florida Atlantic University	Reading	3.5	3.4	↑
Florida College	Elementary Education/ESOL	3.0	3.0	↔
Florida Gulf Coast University	Elementary Education/ESOL/Reading	3.2	2.6	↑
Florida International University	Elementary Education/ESOL/Reading	2.8	2.6	↑

Institution Name	Program Name	2018 Score	2017 Score [10]	Progress Trend
Florida International University	English/ESOL	3.0	3.6	↓
Florida International University	Reading	3.2	3.7	↓
Florida Memorial University	Elementary Education/ESOL	3.2	3.4	↓
Florida Memorial University	Reading/ESOL	3.6	3.5	↑
Florida Southern College	Elementary Education/ESOL	3.0	2.4	↑
Florida SouthWestern State College	Elementary Education/ESOL/ Reading	2.6	3.4	↓
Florida State University	Elementary Education/ESOL/ Reading	2.6	2.2	↑
Florida State University	English/ESOL	3.0	2.6	↑
Florida State University	Mathematics	3.5	3.4	↑
Indian River State College	Middle Grades Mathematics	3.8	4.0	↓
Jacksonville University	Elementary Education/ESOL/ Reading	2.6	2.5	↑
Lynn University	Elementary Education/ESOL/ Reading	2.8	3.4	↓
Miami Dade College	Mathematics	3.2	3.2	↔
Northwest Florida State College	Elementary Education/ESOL/ Reading	2.8	3.4	↓
Northwest Florida State College	Middle Grades Mathematics	3.8	1.0	↑
Nova Southeastern University	Elementary Education/ ESOL/Reading	2.4	2.8	↓
Nova Southeastern University	Reading	3.2	3.6	↓
Palm Beach Atlantic University	Elementary Education/ESOL	2.4	3.6	↓
Rollins College	Elementary Education/ESOL	3.0	2.6	↑
Saint Leo University	Elementary Education/ESOL/ Reading	3.2	2.6	↑

Institution Name	Program Name	2018 Score	2017 Score [10]	Progress Trend
Saint Leo University	Middle Grades English/ESOL/ Reading	2.6	2.6	↔
Saint Leo University	Reading	3.4	3.2	↑
Southeastern University	Elementary Education/ESOL/ Reading	2.4	2.6	↓
Southeastern University	English/ESOL	3.5	1.0	↑
St. Petersburg College	Elementary Education/ ESOL/Reading	2.8	2.8	↔
St. Petersburg College	Mathematics	3.3	3.4	↓
St. Petersburg College	Middle Grades Mathematics	3.5	3.5	↔
Stetson University	Elementary Education/ESOL	3.0	2.8	↑
University of Central Florida	Elementary Education/ESOL/ Reading	2.2	2.0	↑
University of Central Florida	English/ESOL	3.4	2.4	↑
University of Central Florida	Mathematics	3.4	3.0	↑
University of Central Florida	Middle Grades Mathematics	2.8	3.3	↓
University of Central Florida	Reading	3.2	3.4	↓
University of Florida	Elementary Education/ Exceptional Student Education/ ESOL/Reading	3.2	3.4	↓
University of Florida	Elementary Education/ ESOL/Reading	3.2	3.8	↓
University of Florida	English/ESOL	2.8	3.4	↓
University of Miami	Elementary Education/ Exceptional Student Education/ ESOL/Reading	2.4	2.3	↑
University of North Florida	Elementary Education/ESOL	3.4	2.0	↑
University of North Florida	English/ESOL	3.5	3.0	↑

Institution Name	Program Name	2018 Score	2017 Score [10]	Progress Trend
University of North Florida	Mathematics	2.6	3.4	↓
University of North Florida	Middle Grades Math/Middle Grades General Science	3.4	2.8	↑
University of South Florida	Elementary Education/ESOL	2.6	2.4	↑
University of South Florida	English/ESOL	3.4	3.2	↑
University of South Florida	Mathematics	3.6	3.4	↑
University of South Florida	Middle Grades Mathematics	3.2	3.8	↓
University of South Florida	Reading	3.0	3.4	↓
University of South Florida Sarasota Manatee	Elementary Education/ESOL	3.0	3.0	↔
University of South Florida - St. Petersburg	Elementary Education/ Exceptional Student Education/ ESOL/Reading	3.0	3.8	↓
University of South Florida - St. Petersburg	Elementary Education/ESOL/ Reading	3.0	2.0	↑
University of South Florida - St. Petersburg	Reading	2.8	2.4	↑
University of Tampa	Elementary Education/ESOL/ Reading	2.6	2.6	↔
University of West Florida	Elementary Education/ Exceptional Student Education/ ESOL/Reading	3.0	2.8	↑
University of West Florida	Elementary Education/ESOL/ Reading	2.4	2.8	↓
University of West Florida	Reading	3.2	2.6	↑
Warner University	Elementary Education/ESOL	2.8	3.6	↓

The summative scores of four programs changed by one point or more point on the four point scale between 2017 and 2018. Three of these programs increased by one point or more, while one decreased by more than one point. At the University of South Florida – St. Petersburg, the

elementary education program increased its score by a full point, while the elementary education program that includes exceptional students dropped by almost a full point.

FIGURE 14

Programs with Biggest Increases and Decreases

Institution	Program	Change in Score 2016 to 2017	Number of Program Completers
University of North Florida	Elementary Education/ESOL	+1.4 ↑	846
Palm Beach Atlantic University	Elementary Education/ESOL	-1.2 ↓	78
University of Central Florida	English/ESOL	+1.0 ↑	292
University of South Florida – St. Petersburg	Elementary Education/ESOL/Reading	+1.0 ↑	449
Flagler College	Elementary Education/Exceptional Student Education/ ESOL/Reading	-0.8 ↓	247
Florida SouthWestern State College	Elementary Education/ESOL/Reading	-0.8 ↓	472
University of North Florida	Mathematics	-0.8 ↓	48
University of South Florida – St. Petersburg	Elementary Education/Exceptional Student Education/ ESOL/Reading	-0.8 ↓	449
Warner University	Elementary Education/ESOL	-0.8 ↓	54

Analysis of Performance Metrics

Performance Metric 1: Placement Rate

Placement rate refers to the number of program completers reported annually as employed in a full-time or part-time instructional position in a Florida public school district in either the first or second academic year subsequent to program completion.[11]

This analysis does not look at the reasons an individual program has a high or low placement rate. In general, a high placement rate indicates that program graduates have little difficulty finding employment. A low placement rate may indicate that there is little demand for the new teachers produced by a given program, which could be a reflection of the perceived quality of

---

[11] Program completers employed in a private or out-of-state school their first or second year following program completion are also included if data are reported by the program and have been verified.

new teachers trained by that program or could result from little demand in general for teachers of particular grades and subjects or regional variations in hiring. It is also possible that a low placement rate indicates that a program's graduates are working as teachers out of state or in private schools or other settings not tracked by their institutions.

Scoring for this metric addresses the implicit differences in demand for certain types of teachers by comparing each program's placement rate to the average placement rate for all programs producing teachers of those grades and subjects. Programs producing elementary teachers are compared to the average placement rate for elementary teachers; programs producing secondary mathematics teachers are compared to the average placement rate for secondary mathematics teachers.

FIGURE 15
Placement Rate Scoring Rubric

Level 4	Placement rate is at or above the 68th percentile of all equivalent programs across the state.
Level 3	Placement rate is at or above the 34th percentile and below the 68th percentile of all equivalent programs across the state.
Level 2	Placement rate is at or above the 5th percentile and below the 34th percentile of all equivalent programs across the state.
Level 1	Placement rate is below the 5th percentile of all equivalent programs across the state.

Finding: 190 out of 296 programs (64 percent) received a placement rate score for 2018. Among the programs receiving a score, the average placement rate score was 2.98, continuing an upward trend since 2016.

FIGURE 16
Average Placement Rate Score

3.06	2.95	2.86	2.96	2.98
2014	2015	2016	2017	2018
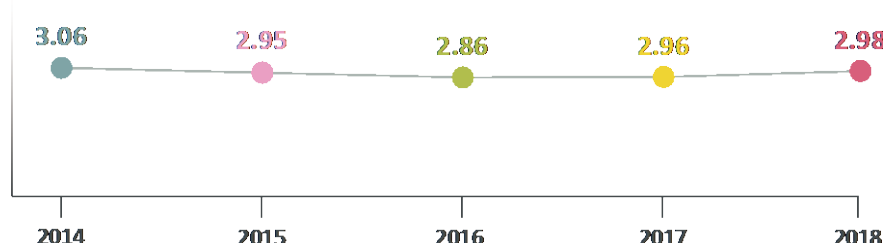
FIGURE 17

Distribution of Placement Rate Scores
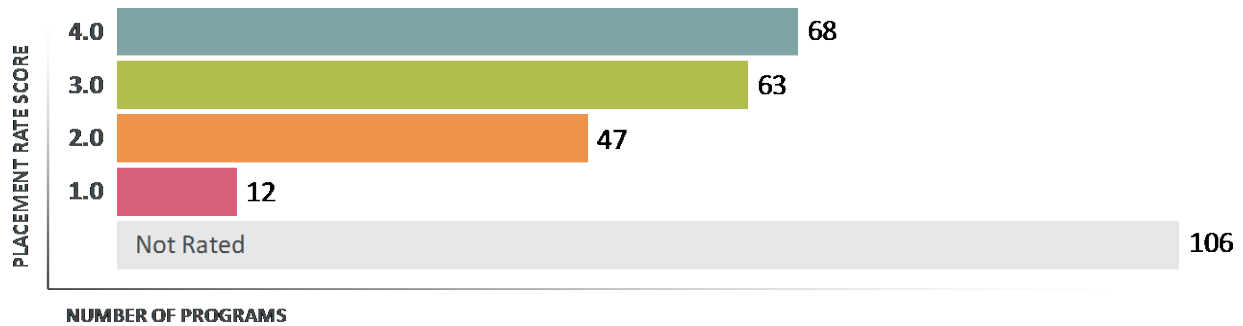
Placement rate is not applicable to Professional Development Certification Programs, since candidates in these programs are already employed as teachers. This contributes to the high percentage of programs not rated on this metric, although many non-PDCPs are also not rated. Although the overall percentage rated is up from last year, this is a result of removing inactive or defunct programs from the roster and not due to more programs receiving a rating.

FIGURE 18

Programs Receiving the Highest Score for Placement Rate

Institution	Program	Number of New Teachers Placed
Barry University	Reading	30
Bethune-Cookman University	Elementary Education/ESOL/Reading	5
Bethune-Cookman University	Music	4
Broward College	Biology/Middle Grades General Science	7
Broward College	Exceptional Student Education/ESOL/Reading	43
Broward College	Middle Grades Mathematics	5
Chipola College	Elementary Education/ESOL/Reading	17
Chipola College	English Education/ESOL	5
Chipola College	Middle Grades Mathematics	3

Institution	Program	Number of New Teachers Placed
Daytona State College	Exceptional Student Education/ESOL/Reading	8
Florida A&M University	Elementary Education/ESOL/Reading	36
Florida A&M University	Physical Education	8
Florida A&M University	Pre-K/Primary Education/ESOL/Reading	3
Florida Atlantic University	English/ESOL	10
Florida Atlantic University	Guidance and Counseling	14
Florida Atlantic University	Mathematics	4
Florida Gateway College	Educator Preparation Institute	16
Florida Gulf Coast University	Pre-K/Primary Education/ESOL/Reading	11
Florida Gulf Coast University	Social Science	10
Florida International University	Music	7
Florida International University	School Psychologist	3
Florida Memorial University	Elementary Education/ESOL	6
Florida Memorial University	Reading/ESOL	3
Florida Southern College	Elementary Education/ESOL	27
Florida Southern College	Music	8
Florida Southern College	Social Science	4
Florida SouthWestern State College	Elementary Education/ESOL/Reading	84
Gulf Coast State College	Educator Preparation Institute	28
Hillsborough Community College	Educator Preparation Institute	107
Miami Dade College	Biology/Chemistry/Earth-Space Science/Physics	3
Miami Dade College	Mathematics	5
Northwest Florida State College	Middle Grades Mathematics	3

Institution	Program	Number of New Teachers Placed
Nova Southeastern University	Guidance and Counseling	15
Nova Southeastern University	Reading	7
Palm Beach Atlantic University	Music	5
Palm Beach State College	Educator Preparation Institute	26
Polk State College	Educator Preparation Institute	69
Saint Leo University	Elementary Education/ESOL/Reading	106
Saint Leo University	Reading	21
Southeastern University	English/ESOL	5
Southeastern University	Music	3
Southeastern University	Social Science	3
St. Johns River State College	Pre-K/Primary Education/ESOL/Reading	17
St. Petersburg College	Biology/Middle Grades General Science	4
St. Petersburg College	Educator Preparation Institute	29
St. Petersburg College	Elementary Education/ESOL/Reading	74
St. Petersburg College	Exceptional Student Education/ESOL/Reading	37
St. Petersburg College	Middle Grades Mathematics	3
St. Petersburg College	Pre-K/Primary Education/ESOL/Reading	8
State College of Florida, Manatee-Sarasota	Educator Preparation Institute	22
University of Central Florida	Guidance and Counseling	17
University of Central Florida	Pre-K/Primary Education/ESOL/Reading	59
University of Central Florida	School Psychologist	13
University of Central Florida	Spanish	4
University of Florida	Educator Preparation Institute	24

Institution	Program	Number of New Teachers Placed
University of Miami	Music	8
University of North Florida	English/ESOL	12
University of South Florida	Biology/Chemistry//Middle Grades General Science/Physics	18
University of South Florida	Elementary Education/ESOL	289
University of South Florida	Exceptional Student Education/ESOL/Reading	27
University of South Florida	Mathematics	17
University of South Florida	Music	15
University of South Florida	PreK-Primary Education/ESOL	21
University of South Florida St. Petersburg	Elementary Education/Exceptional Student Education/ESOL/Reading	71
University of South Florida St. Petersburg	Elementary Education/ESOL/Reading	8
University of Tampa	Social Science	5
University of West Florida	Music	6
Valencia College	Educator Preparation Institute	59

Nearly half (47 percent) of the programs that received the highest score for new teacher placement placed less than ten teachers. In addition, given the national focus on the need for more STEM (science, technology, engineering, and mathematics) teachers, programs producing these teachers do not appear more likely to have higher placement rates than programs producing other types of teachers.

FIGURE 19

Subject Matter of Programs Receiving Highest Placement Scores

n=68

Other — 10
Math and Science — 11
Educator Preparation Institute — 9
Early Childhood/Elementary — 17
Art/Music — 8
Reading — 4
Special Education — 4
Guidance/School Psychologist — 5
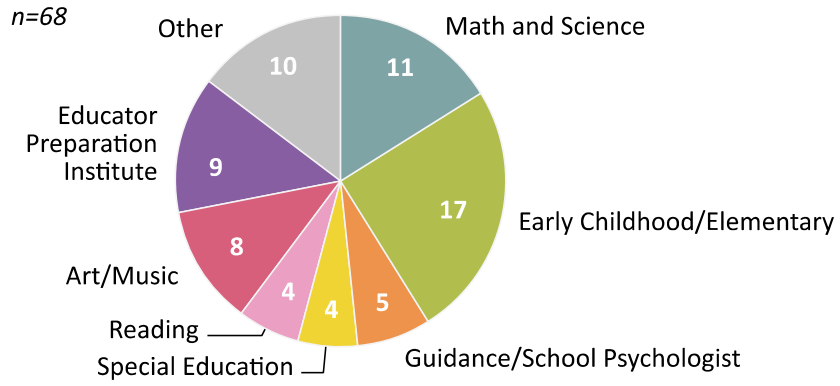
FIGURE 20
Average Score for Placement Rate by Program Type

Legend: ■ 2018 ■ 2017 ■ 2016 ■ 2015 ■ 2014

EPI
Year	n	Score
2018	n=19	3.36
2017	n=20	3.15
2016	n=21	3.29
2015	n=22	3.41
2014	n=22	3.09

Private IHE
Year	n	Score
2018	n=50	2.82
2017	n=51	2.82
2016	n=50	2.52
2015	n=59	2.58
2014	n=47	2.81

State College
Year	n	Score
2018	n=26	3.5
2017	n=23	3.26
2016	n=23	3.48
2015	n=23	3.78
2014	n=20	2.95

State University
Year	n	Score
2018	n=95	2.85
2017	n=103	2.93
2016	n=105	2.80
2015	n=155	2.91
2014	n=148	3.16

All Programs
Year	n	Score
2018	n=190	2.98
2017	n=197	2.96
2016	n=199	2.86
2015	n=259	2.95
2014	n=237	3.06

PROGRAM TYPE

AVERAGE SCORE FOR PLACEMENT RATE

FIGURE 21

Placement Rate Score Distribution by Program Type
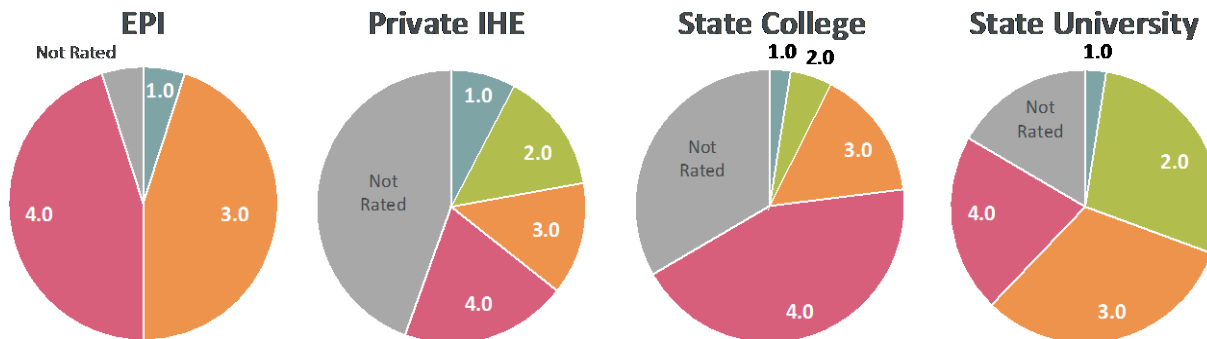
> **Finding: Initial teacher preparation programs at private colleges and universities account for nearly half of programs that should be rated on this metric but are not.**

Performance Metric 2: Retention Rate

Retention rate is defined as the average number of years that program completers are employed in a full-time or part-time instructional position in a Florida public school district at any point each year in a five-year period following initial employment in either of the two subsequent academic years following program completion.[12]

Retention rate is an important complement to placement rate, in that it goes beyond looking at whether new teachers get hired to looking at whether they stay. Nationally, new teacher attrition is a chronic concern, particularly in high-needs schools,[13] and while there are certainly factors beyond the quality of their preparation that impact teacher turnover, research has shown that some aspects of the education and preparation that beginning teachers received are significantly associated with their attrition.[14]

---

[12] Program completers employed in a private or out-of-state school their first or second year following program completion are also included if data are reported by the program and have been verified.

[13] See "Public School Teacher Attrition and Mobility in the First Five Years" from the U.S. Department of Education's National Center for Education Statistics. Data are national and not broken out by state. *http://nces.ed.gov/pubs2015/2015337.pdf.*

[14] Ingersoll, R., Merrill, L., & May, H. (2014). What Are the Effects of Teacher Education and Preparation on Beginning Teacher Attrition? CPRE Research Report #RR-82. Philadelphia: Consortium for Policy Research in Education. *DOI:10.12698/cpre.2014.rr82*

FIGURE 22
Retention Rate Scoring Rubric

Level 4	The average number of years employed in the 5-year period following initial placement is 4.5 years or more.
Level 3	The average number of years employed in the 5-year period following initial placement is 3 years to less than 4.5 years.
Level 2	The average number of years employed in the 5-year period following initial placement is 2 years to less than 3 years.
Level 1	The average number of years employed in the 5-year period following initial placement is less than 2 years.

Finding: Only 183 out of 296 programs received a retention rate score for 2018. All but one rated program received a score of 3.0 or 4.0. The *Elementary Education/ESOL Endorsement program at Florida Atlantic University* was the sole program to receive a score of 2.0. The average retention rate score was 3.4, the same as in 2016 and 2017.

FIGURE 23
Average Retention Rate Score

2014	2015	2016	2017	2018
3.4	3.3	3.4	3.4	3.4
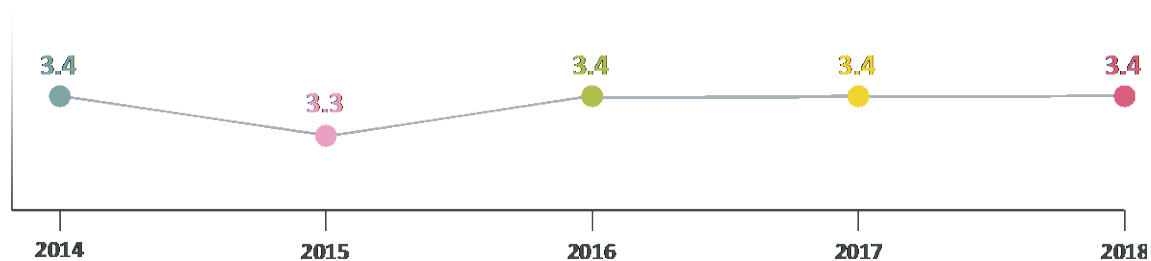
FIGURE 24
Distribution of Retention Rate Scores
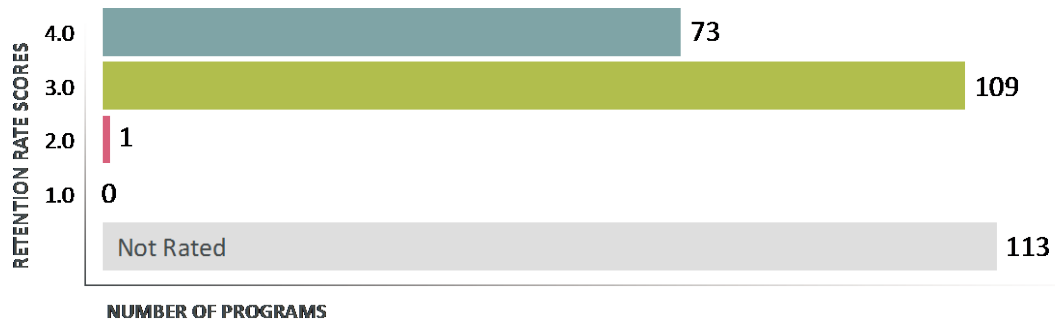
FIGURE 25
Programs Receiving the Highest Score for Retention Rate

Institution	Program
Barry University	Elementary Education/ESOL/Reading
Barry University	Reading
Chipola College	Educator Preparation Institute[15]
Chipola College	Elementary Education/ESOL/Reading
Clay County	Professional Development Certification Program
Flagler College	Elementary Education/Hearing Impaired/ESOL/Reading
Florida A&M University	Elementary Education/ESOL/Reading
Florida Atlantic University	Biology/Chemistry/Physics
Florida Atlantic University	English/ESOL
Florida Atlantic University	Exceptional Student Education/ESOL
Florida Atlantic University	Mathematics
Florida Gulf Coast University	Elementary Education/ESOL/Reading
Florida Gulf Coast University	Exceptional Student Education/ESOL/Reading
Florida Gulf Coast University	Guidance and Counseling

---

[15] In its reporting to FDOE, Chipola College has reported teacher candidates as participating in an Educator Preparation Institute program. However, Chipola College does not offer an EPI.

Institution	Program
Florida Gulf Coast University	Social Science
Florida International University	Elementary Education/ESOL/Reading
Florida International University	Exceptional Student Education/ESOL/Reading
Florida International University	Mathematics
Florida International University	Music
Florida International University	Physical Education
Florida International University	Pre-K/Primary Education/ESOL
Florida International University	Reading
Florida International University	School Psychologist
Florida Memorial University	Elementary Education/ESOL
Florida Southern College	English
Florida Southern College	Music
Florida SouthWestern State College	Elementary Education/ ESOL/Reading
Florida State University	English/ESOL
Florida State University	Exceptional Student Education/ESOL
Florida State University	Mathematics
Florida State University	Pre-K/Primary Education/ESOL/Reading
Florida State University	School Psychologist
Florida State University	Visually Impaired
Indian River State College	Mathematics
Indian River State College	Middle Grades Mathematics
Lynn University	Elementary Education/ESOL/Reading
Manatee County	Professional Development Certification Program
Miami Dade College	Biology/Chemistry/Earth-Space Science/Physics

Institution	Program
Miami Dade College	Exceptional Student Education/ESOL/Reading
Miami Dade College	Mathematics
Nova Southeastern University	Elementary Education/ESOL/Reading
Nova Southeastern University	Exceptional Student Education/ESOL
Nova Southeastern University	Reading
Nova Southeastern University	School Psychologist
Pasco County	Professional Development Certification Program
Saint Leo University	Elementary Education/ESOL/Reading
Saint Leo University	Middle Grades Social Science/Reading
Saint Leo University	Reading
Southeastern University	Elementary Education/ESOL/Reading
St. Petersburg College	Exceptional Student Education/ESOL/Reading
St. Petersburg College	Mathematics
Stetson University	Elementary Education/ESOL
University of Central Florida	English/ESOL
University of Central Florida	Guidance and Counseling
University of Central Florida	Pre-K/Primary Education/ESOL/Reading
University of Florida	Agriculture
University of Florida	Biology/Chemistry/Physics
University of Miami	Music
University of North Florida	English/ESOL
University of North Florida	Exceptional Student Education/ESOL
University of North Florida	Guidance and Counseling
University of North Florida	Middle Grades Math/Middle Grades General Science

Institution	Program
University of North Florida	Music
University of South Florida	Music
University of South Florida	Physical Education
University of South Florida	Pre-K/Primary Education/ESOL
University of South Florida	Social Science
University of South Florida Sarasota Manatee	Elementary Education/ESOL
University of South Florida St. Petersburg	Elementary Education/Exceptional Student Education/ESOL/Reading
University of Tampa	Biology
University of Tampa	Physical Education
University of West Florida	Reading
Warner University	Physical Education

FIGURE 26

Average Score for Retention Rate by Program Type

■ 2018 ■ 2017 ■ 2016 ■ 2015 ■ 2014
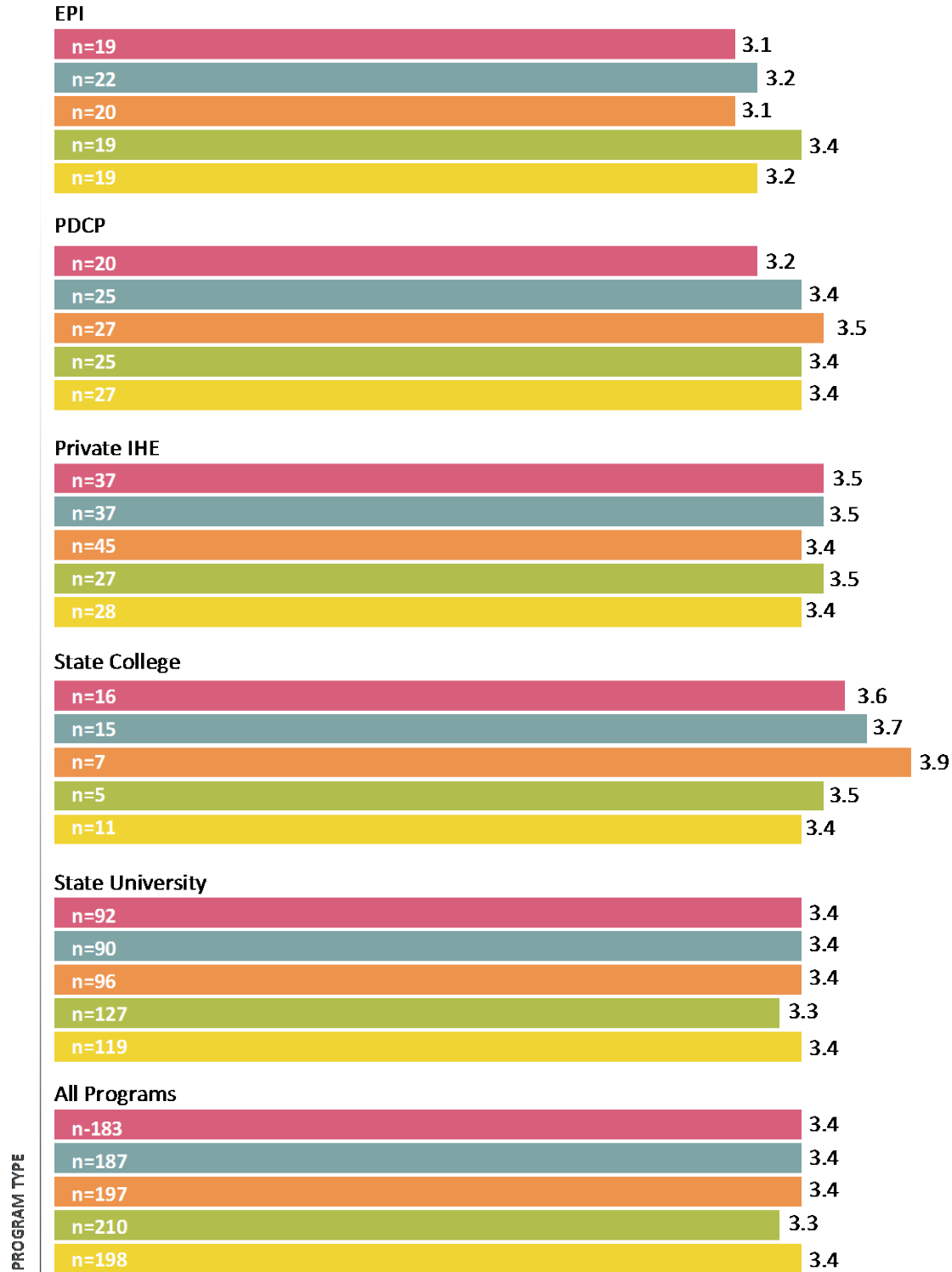
EPI

Year	n	Score
2018	n=19	3.1
2017	n=22	3.2
2016	n=20	3.1
2015	n=19	3.4
2014	n=19	3.2

PDCP

Year	n	Score
2018	n=20	3.2
2017	n=25	3.4
2016	n=27	3.5
2015	n=25	3.4
2014	n=27	3.4

Private IHE

Year	n	Score
2018	n=37	3.5
2017	n=37	3.5
2016	n=45	3.4
2015	n=27	3.5
2014	n=28	3.4

State College

Year	n	Score
2018	n=16	3.6
2017	n=15	3.7
2016	n=7	3.9
2015	n=5	3.5
2014	n=11	3.4

State University

Year	n	Score
2018	n=92	3.4
2017	n=90	3.4
2016	n=96	3.4
2015	n=127	3.3
2014	n=119	3.4

All Programs

Year	n	Score
2018	n-183	3.4
2017	n=187	3.4
2016	n=197	3.4
2015	n=210	3.3
2014	n=198	3.4

PROGRAM TYPE

AVERAGE SCORE FOR RETENTION RATE

FIGURE 27
Retention Rate Score Distribution by Program Type
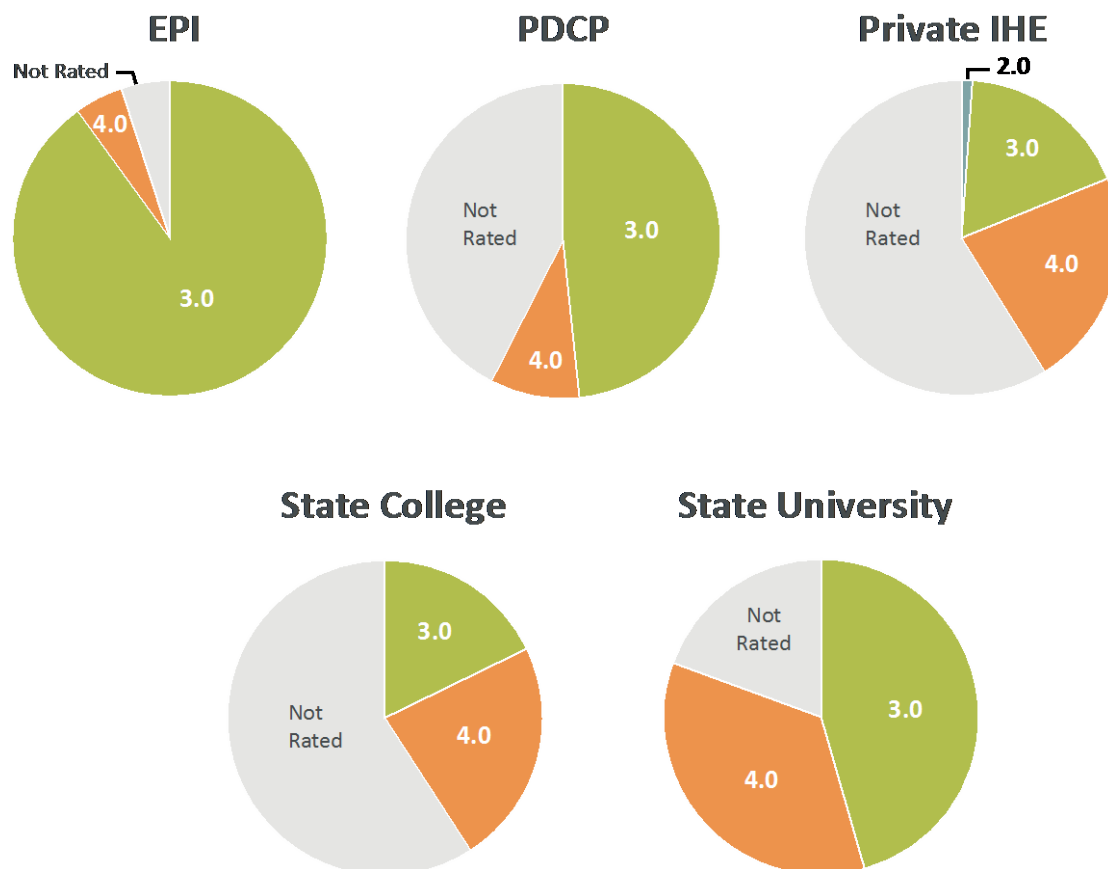
If the available performance data on retention rate are accurate, there is a strong indication that Florida has a much lower rate of new teacher attrition than the national numbers suggested by the National Center for Education Statistics and other published reports[16] or conventional wisdom, which generally indicate significant numbers of new teachers leaving in their first few years.

---

[16] See for example "On the Path to Equity: Improving the Effectiveness of Beginning Teachers" from the Alliance for Excellence Education. http://all4ed.org/reports-factsheets/path-to-equity/. In addition, this op-ed from the Orlando Sentinel is an example of the perception that Florida follows the national trend: http://www.orlandosentinel.com/opinion/os-teachers-leave-florida-scott-maxwell-20160521-column.html

It would not appear to be the case that the high performance ratings on this metric result from a low bar in scoring. To earn a score of 4.0, programs must have average retention among their graduates of 4.5 out of 5 years, which appears to set a rigorous standard.

As with placement rate, data are not available for many programs. It is possible that the inclusion of that data would result in a distribution that tracks more closely with the conventional narrative about new teacher attrition. Or perhaps the conventional narrative is missing a key part of the story. These data show that very high percentages of new teachers are employed in Florida public schools after five years. What we don't know is whether these teachers have had multiple positions over those five years. If teachers in fact move across schools and districts in search of a good fit, then there is more of an underlying retention issue than can be seen from this metric. FDOE has indicated plans to look more closely at this issue.

It is also possible that Florida's teacher preparation programs have begun to produce teachers that are much more likely to be retained in their initial placements than even just a few years ago, mitigating a vexing issue that other states still struggle to address. These results call for further, deeper analysis that would be of great use to the broader field. Of particular interest is the lower performance of EPIs and PDCPs compared to other programs, which is perhaps unexpected given that these candidates are already in place as teachers when they begin their training.

Performance Metric 3: Performance of Pre-K–12 Students on Statewide Assessments

This metric evaluates the extent to which programs' graduates achieve learning gains for their students once they are new teachers in the classroom. Performance of new teachers' students is assessed through the student learning growth formula that is used in teacher evaluation systems as required in section 1012.34, Florida Statutes.

The teacher preparation program accountability system looks at new teacher classroom performance through three specific lenses: student learning gains as measured in this indicator; student learning gains for specific student subgroups (see Performance Metric 4), and overall teacher evaluation results, which include classroom observations and student learning performance, as well as other measures used by districts (see Performance Metric 5).

Student learning growth scores are calculated through a value-added model (VAM), designed to measure the amount of a teacher's contribution to student learning. Florida's VAM model calculates a score for each teacher that reflects the average amount of learning growth of the teacher's students above or below the expected learning gains of similar students in the state.[17]

---

[17] More information of Florida's VAM model can be found at: *http://www.FDOE.org/teaching/performance-evaluation/*

Program scores for this metric are based on the performance of students assigned to in-field[18] program completers from the previous three-year period who received a student learning growth score from the most recent academic year for which results are available. The scores of all such program completers are averaged. The score for this metric takes into account both the average student learning growth score and the confidence interval, which considers the margin of error associated with that score.

Performance on Statewide Assessments Scoring Rubric

Level 4	The probability that the average student learning growth among students taught by program completers exceeds the expectations for those students is ≥ 95 percent.
Level 3	The probability that the average student learning growth among students taught by program completers exceeds the expectations for those students is < 5 percent; AND the probability that the average student learning growth among students taught by program completers falls short of the expectations for those students expectations is < 5 percent.
Level 2	Not calculated
Level 1	The probability that the average student learning growth among students taught by program completers falls short of the expectations for those students is ≥ 95 percent.

This performance metric is currently not applicable to Educator Preparation Institutes and Professional Development Certification Programs. Data for these programs will be available and considered in the spring 2019 report. Further, not all initial teacher preparation programs will have student learning growth scores. Only programs whose graduates teach courses that have associated statewide assessments in English language arts and mathematics will have the scores needed to evaluate this performance metric.

Finding: Just 81 programs received a score for student learning growth for 2018. The average program score for performance of students on statewide assessments was 2.91, continuing an upward trend since 2016.

---

[18] Rule 6A-5.066, Florida Administrative Code, defines "In-field teacher" as an instructional employee assigned duties in a classroom teaching subject matter or providing direct support in the learning process of students in the area in which the instructional personnel is trained and certified.

FIGURE 29
Average Performance by Students on Statewide Assessments Score

2014	2015	2016	2017	2018
2.78	3.02	2.78	2.87	2.91
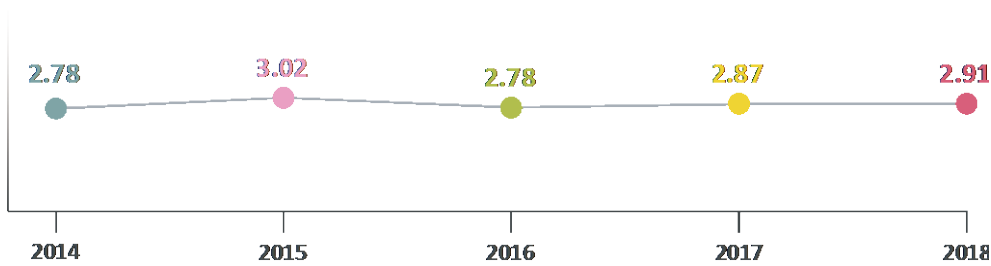
FIGURE 30
Distribution of Performance by Students on Statewide Assessments Score
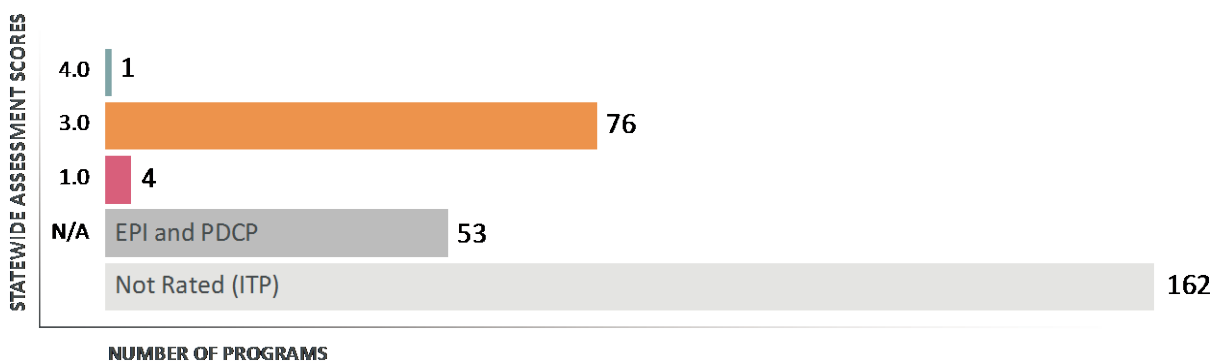
Most of the 162 initial teacher preparation programs that are not rated are in subject areas where there are no statewide assessments. About 30 of these programs are in subject areas including English and mathematics where corresponding statewide assessment data would be expected, although new teachers from these programs may be teaching grade levels in which no such assessment is given. Of particular concern is that no programs primarily focused on exceptional student education have scores on this metric, even though students with disabilities are expected to meet the same standards as typical students and all but a small percentage of students with disabilities are expected to take statewide assessments.

Finding: *Indian River State College – Middle Grades Mathematics* **is the only program in the state to receive a 4.0 for student learning. This program earns the top score for the third year in a row.**

FIGURE 31

Average Score for Student Learning Growth by Program Type

Legend: ■ 2018 ■ 2017 ■ 2016 ■ 2015 ■ 2014

Private IHE

Year	n	Score
2018	n=29	2.93
2017	n=34	2.94
2016	n=35	2.65
2015	n=33	2.97
2014	n=29	2.82

State College

Year	n	Score
2018	n=15	2.80
2017	n=15	2.93
2016	n=13	2.92
2015	n=12	3.00
2014	n=10	2.60

State University

Year	n	Score
2018	n=37	2.95
2017	n=37	2.78
2016	n=37	2.70
2015	n=46	3.07
2014	n=45	2.80

All Programs

Year	n	Score
2018	n=190	2.98
2017	n=86	2.87
2016	n=84	2.71
2015	n=93	3.02
2014	n=88	2.78

PROGRAM TYPE

AVERAGE SCORE FOR STUDENT LEARNING GROWTH

FIGURE 32

Distribution of Student Learning Growth Scores by Program Type
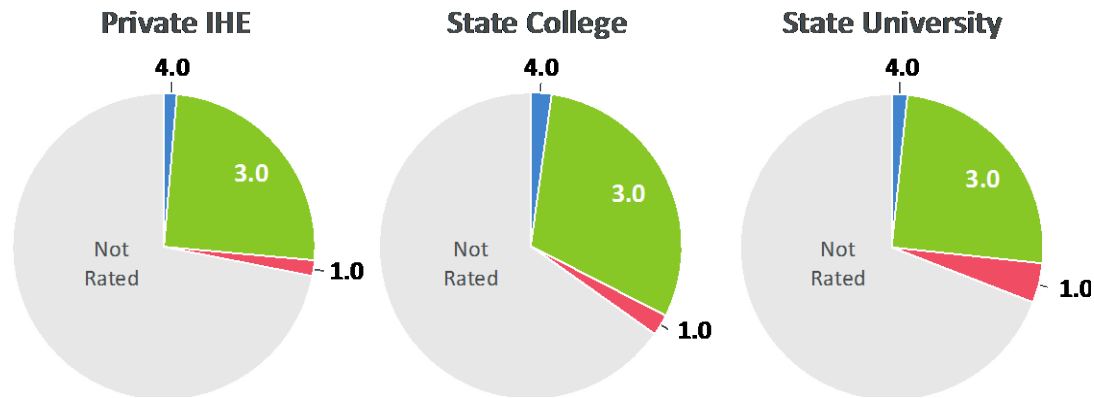
Performance Metric 4: Performance of Student Subgroups on Statewide Assessments

This metric considers a different aspect of teachers' contribution to student learning, specifically the performance of student subgroups. The intent is to measure how well the teacher preparation program prepares new teachers to work with a diverse population of students in a variety of settings in Florida schools, including economically disadvantaged students, students from major racial and ethnic groups, students with disabilities, and students with limited English proficiency.

To calculate the learning gains of students by subgroup, teacher VAM scores are calculated and aggregated for the following categories: Caucasian, African-American, Hispanic, Asian, Native American, students eligible for free or reduced lunch, students with disabilities, and English language learners. Unlike the previous metric, scoring for performance of student subgroups is not based on actual VAM scores. Rather, this metric considers the average student learning growth results by each subgroup as compared to the statewide average for these subgroups for all program completers with VAM scores. These percentages are compared to the statewide percentages to determine the number of subgroups that met expectation or exceeded the statewide average to arrive at the program score.

FIGURE 33
Performance by Student Subgroups on Statewide Assessments Scoring Rubric

Level 4	At least 75 percent of the subgroups meet or exceed the state standard for performance.
Level 3	At least 50 percent, but less than 75 percent of the subgroups meet or exceed the state standard for performance.

| Level 2 | At least 25 percent but less than 50 percent of the subgroups meet or exceed the state standard for performance. |
| Level 1 | Fewer than 25 percent of the subgroups exceed the state standard for performance. |

As with the previous metric, student subgroup data are not yet available for EPIs and PDCPs. Subgroup data will not be available until Spring 2019.

Finding: Of the 81 programs receiving a score for student subgroup performance on statewide assessments, the average program score for 2018 was 2.58.

FIGURE 34
Average Performance by Student Subgroups of Statewide Assessments Score

| 2.51 | 2.48 | 2.56 | 2.70 | 2.58 |
| 2014 | 2015 | 2016 | 2017 | 2018 |
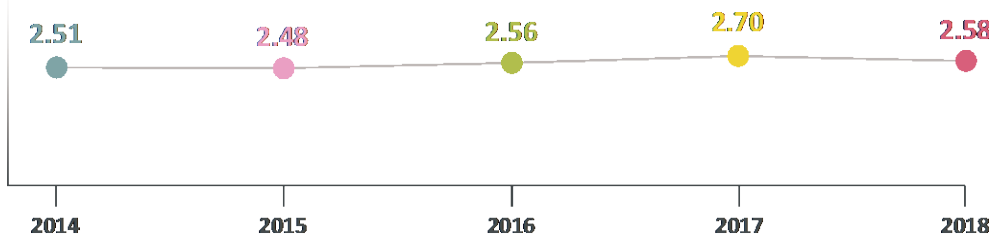
FIGURE 35
Distribution of Performance by Student Subgroups on Statewide Assessments Scores

SUBGROUP STATEWIDE ASSESSMENT SCORES

4.0	17
3.0	26
2.0	25
1.0	13
N/A EPI and PDCP	53
Not Rated (ITP)	162

NUMBER OF PROGRAMS
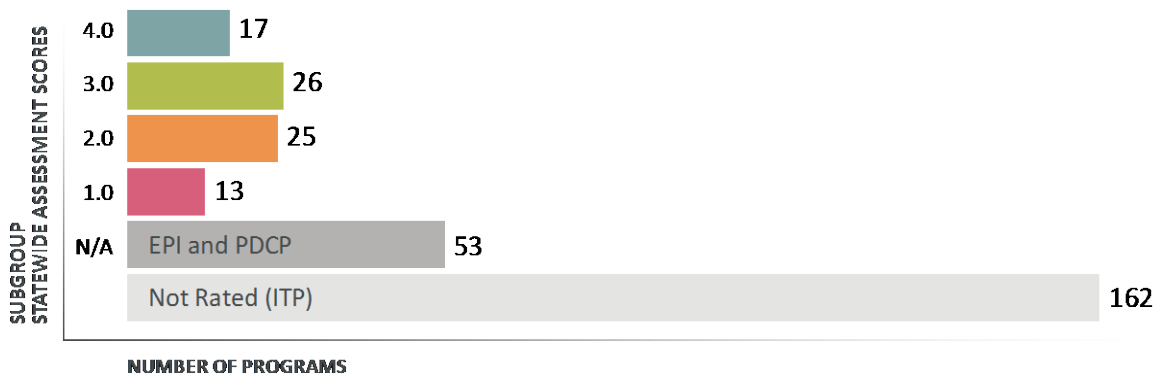
FIGURE 36

Programs Receiving the Highest Score for Subgroup Student Learning Growth

Institution	Program
Barry University	Reading
Flagler College	English/ESOL
Florida A&M University	Elementary Education/ESOL/Reading
Florida Atlantic University	Elementary Education/ESOL/Reading
Florida Atlantic University	English/ESOL
Florida Atlantic University	Mathematics
Florida Atlantic University	Reading
Florida State University	Mathematics
Indian River State College	Middle Grades Mathematics
Northwest Florida State College	Middle Grades Mathematics
Southeastern University	English/ESOL
University of Central Florida	Mathematics
University of Florida	Elementary Education/ESOL/Reading
University of North Florida	Elementary Education/ESOL
University of South Florida	Mathematics
University of South Florida	Middle Grades Mathematics
University of Tampa	English/ ESOL

Finding: The *Indian River State College Middle Grades Mathematics* program received the top score for both student learning growth overall and student learning by subgroups. All of the other programs receiving the top score for student learning by subgroup received a score of 3.0 for student learning overall.

Finding: *The Elementary Education/ESOL/Reading program at Bethune-Cookman University* received the lowest possible score for both student learning growth overall and student learning growth by subgroups.

Average Score for Subgroup Student Learning Growth by Program Type

Legend: ■ 2018 ■ 2017 ■ 2016 ■ 2015 ■ 2014

Private IHE

Year	n	Score
2018	n=29	2.28
2017	n=35	2.63
2016	n=34	2.50
2015	n=35	2.29
2014	n=35	2.49

State College

Year	n	Score
2018	n=15	2.60
2017	n=15	3.00
2016	n=13	2.38
2015	n=12	2.50
2014	n=10	1.70

State University

Year	n	Score
2018	n=37	2.81
2017	n=37	2.57
2016	n=37	2.68
2015	n=46	2.63
2014	n=46	2.70

All Programs

Year	n	Score
2018	n=81	2.58
2017	n=87	2.70
2016	n=84	2.56
2015	n=93	2.48
2014	n=91	2.51
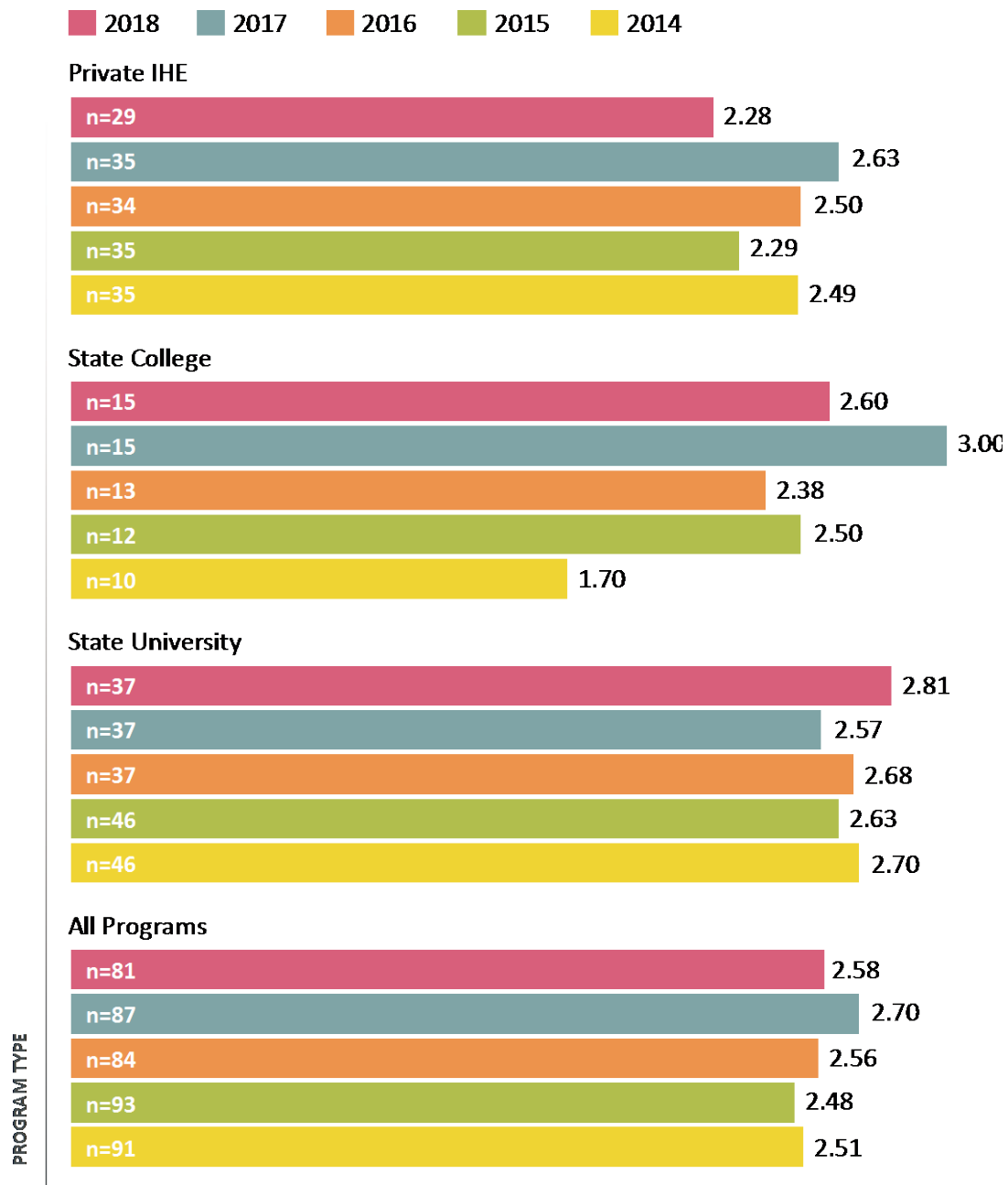
PROGRAM TYPE

AVERAGE SCORE FOR SUBGROWTH STUDENT LEARNING GROWTH

FIGURE 38
Distribution of Subgroup Student Learning Growth Scores by Program Type
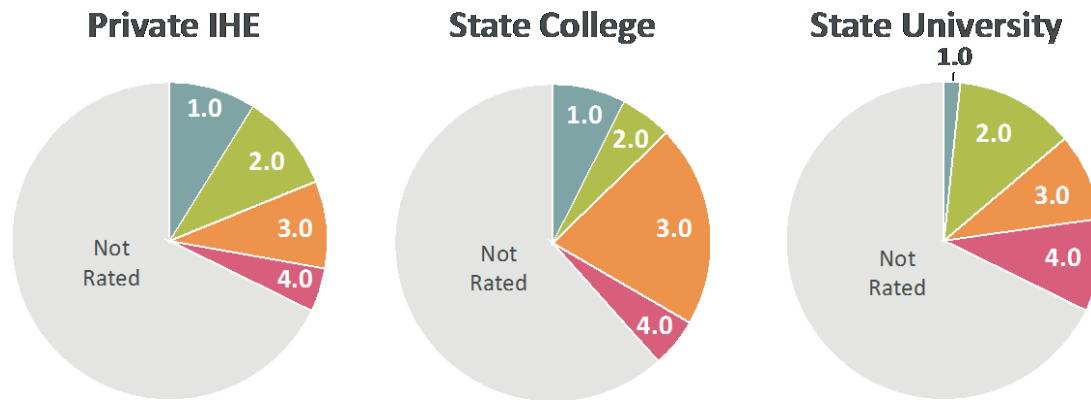
> **More than half of such programs that were rated received a score of 1.0 or 2.0, meaning that teachers prepared by these program had less than 50 percent of student subgroups meeting state standards.**

Performance Metric 5: Teacher Evaluations

This metric considers the results of annual teacher evaluations from the most recent academic year for program completers from the previous three-year period. Florida requires that all teachers receive an annual evaluation that results in a rating of highly effective; effective; needs improvement (for teachers teaching more than three years) or developing (for teachers with experience of three years or less); or unsatisfactory.[19]

Local districts develop their own teacher evaluation systems consistent with state law and guidelines. Growth or achievement data for the teacher's students and observation of instructional practice must each comprise at least one third of the evaluation. Other measures can be added at districts' discretion.

The inclusion of this metric in addition to the metrics looking solely at student learning gains is important for two reasons. First, this metric allows for consideration of other factors used by districts to evaluate teacher performance, including classroom observations. This metric also

---

[19] Florida Statute 1012.34 articulates the state's teacher evaluation requirements.

allows consideration of performance for many more teachers who do not teach grades or subjects associated with statewide assessments.

Scoring for this metric is based on the percentage of teachers receiving highly effective and effective ratings.

FIGURE 39
Teacher Evaluation Scoring Rubric

Level 4	At least 30 percent of the program's completers received a highly effective rating and 90 to 100 percent of the program's completers received either highly effective or effective ratings, and no completers were rated unsatisfactory.
Level 3	Program did not meet criteria for Level 4, but at least 80 percent of the program's completers received either highly effective or effective ratings, and no completers were rated unsatisfactory.
Level 2	Program did not meet criteria for Level 3, but at least 60 percent of the program's completers received a highly effective or effective rating and no more than 5 percent (more than one (1) for n < 20) of the program's completers were rated unsatisfactory.
Level 1	Program did not meet criteria for Level 2, 3 or 4.

Finding: 237 out of 296 programs received a teacher evaluation score for 2018. The average teacher evaluation score was 3.4, the highest score yet on this metric.

FIGURE 40
Average Teacher Evaluation Score

2014	2015	2016	2017	2018
3.1	3.2	3.3	3.3	3.4
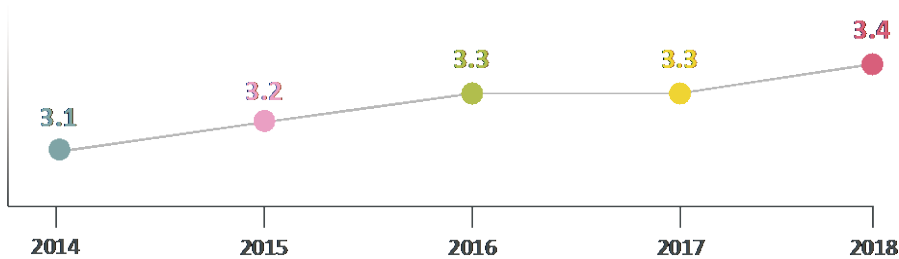
FIGURE 41
Distribution of Teacher Evaluation Scores
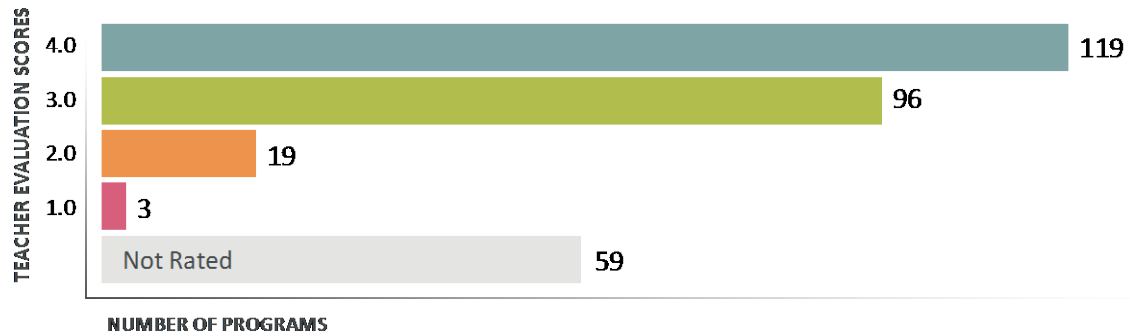
FIGURE 42
Programs Receiving the Highest Score for Teacher Evaluation Ratings

Institution	Program	Number of Teachers Evaluated
Alachua County	Professional Development Certification Program	15
Barry University	Exceptional Student Education/ESOL/Reading	2
Barry University	School Psychologist	12
Bay County	Professional Development Certification Program	48
Brevard County	Professional Development Certification Program	43
Daytona State College	Mathematics	5
Flagler College	Art	2
Flagler College	English/ESOL	6
Florida A&M University	Guidance and Counseling	6
Florida A&M University	Physical Education	7
Florida Atlantic University	Biology/Chemistry/Physics	9

Institution	Program	Number of Teachers Evaluated
Florida Atlantic University	Exceptional Student Education/ESOL	50
Florida Atlantic University	Guidance and Counseling	33
Florida Atlantic University	Mathematics	9
Florida Atlantic University	Reading	23
Florida College	Elementary Education/ESOL	9
Florida Gateway College	Educator Preparation Institute	40
Florida Gulf Coast University	Guidance and Counseling	17
Florida Gulf Coast University	Mathematics	12
Florida Gulf Coast University	Social Science	28
Florida International University	Biology/Chemistry/Earth-Space Science/Physics	2
Florida International University	Guidance and Counseling	14
Florida International University	Reading	76
Florida International University	School Psychologist	12
Florida International University	Social Science	6
Florida Memorial University	Exceptional Student Education/ESOL	3
Florida Memorial University	Reading/ESOL	13
Florida Southern College	Music	16
Florida State University	Biology/Chemistry/Earth-Space Science//Physics	18

Institution	Program	Number of Teachers Evaluated
Florida State University	Exceptional Student Education/ESOL	50
Florida State University	Mathematics	20
Florida State University	Music	66
Florida State University	Pre-K/Primary Education/ESOL/Reading	36
Florida State University	School Psychologist	14
Florida State University	Social Science	55
Florida State University	Visually Impaired	31
Gulf Coast State College	Educator Preparation Institute	56
Hillsborough Community College	Educator Preparation Institute	234
Hillsborough County	Professional Development Certification Program	196
Indian River County	Professional Development Certification Program	10
Indian River State College	Biology/Middle Grades General Science	12
Indian River State College	Educator Preparation Institute	73
Indian River State College	Exceptional Student Education/ESOL	46
Indian River State College	Middle Grades Mathematics	28
Miami-Dade County	Professional Development Certification Program	88
Northwest Florida State College	Elementary Education/ESOL/Reading	59
Northwest Florida State College	Middle Grades Mathematics	5

Institution	Program	Number of Teachers Evaluated
Nova Southeastern University	Exceptional Student Education/ESOL	18
Nova Southeastern University	Guidance and Counseling	35
Nova Southeastern University	School Psychologist	28
Okaloosa County	Professional Development Certification Program	4
Orange County	Professional Development Certification Program	205
Palm Beach Atlantic University	Elementary Education/ESOL	13
Palm Beach Atlantic University	Music	7
Palm Beach County	Professional Development Certification Program	145
Palm Beach State College	Educator Preparation Institute	66
Pasco County	Professional Development Certification Program	95
Polk County	Professional Development Certification Program	63
Polk State College	Educator Preparation Institute	143
Rollins College	Elementary Education/ESOL	23
Saint Leo University	Elementary Education/ESOL/Reading	266
Saint Leo University	Exceptional Student Education/ESOL/Reading	40
Saint Leo University	Middle Grades Social Science/Reading	15
Saint Leo University	Reading	87
Santa Fe College	Educator Preparation Institute	34

Institution	Program	Number of Teachers Evaluated
Santa Rosa County	Professional Development Certification Program	21
Seminole State College	Educator Preparation Institute	41
Southeastern University	Music	7
St. Johns River State College	Educator Preparation Institute	67
St. Petersburg College	Biology/Middle Grades General Science	9
St. Petersburg College	Mathematics	6
Stetson University	Music	19
University of Central Florida	Art	26
University of Central Florida	Biology/Chemistry/Middle Grades General Science/Physics	90
University of Central Florida	English/ESOL	86
University of Central Florida	Exceptional Student Education/ESOL/Reading	89
University of Central Florida	Guidance and Counseling	41
University of Central Florida	Mathematics	73
University of Central Florida	Middle Grades Mathematics	6
University of Central Florida	Music	25
University of Central Florida	Pre-K/Primary Education/ESOL/Reading	108
University of Central Florida	Reading	73
University of Central Florida	School Psychologist	25

Institution	Program	Number of Teachers Evaluated
University of Central Florida	Social Science	97
University of Central Florida	Spanish	7
University of Florida	Agriculture	23
University of Florida	Art	4
University of Florida	Biology/Chemistry/Physics	9
University of Florida	Educator Preparation Institute	54
University of Florida	Elementary Education/Exceptional Student Education/ESOL/Reading	57
University of Florida	Elementary Education/ESOL/Reading	143
University of Florida	English/ESOL	21
University of Florida	Guidance and Counseling	15
University of Florida	Music	22
University of Florida	Preschool Education/Pre-K-Primary Education/Pre-K Disabilities/ESOL	43
University of Florida	School Psychologist	15
University of Florida	Social Science	25
University of North Florida	Educator Preparation Institute	60
University of North Florida	Elementary Education/ESOL	242
University of North Florida	Guidance and Counseling	39

Institution	Program	Number of Teachers Evaluated
University of North Florida	Middle Grades Math/Middle Grades General Science	13
University of North Florida	Music	3
University of South Florida	Biology/Chemistry//Middle Grades General Science/Physics	31
University of South Florida	English/ESOL	105
University of South Florida	Guidance and Counseling	31
University of South Florida	Mathematics	48
University of South Florida	Music	33
University of South Florida	Physical Education	18
University of South Florida	Reading	46
University of Tampa	Elementary Education/ESOL/Reading	74
University of Tampa	English/ESOL	8
University of Tampa	Mathematics	9
University of West Florida	Educator Preparation Institute	110
University of West Florida	Elementary Education/Exceptional Student Education/ ESOL/Reading	124
University of West Florida	Physical Education	3
University of West Florida	Reading	19
Valencia College	Educator Preparation Institute	141
Warner University	English/ESOL	2

Institution	Program	Number of Teachers Evaluated
Warner University	Social Science	2

Important context for analyzing this metric is that nearly all teachers in Florida receive an effective or highly effective rating on their evaluation. State data show that over 98 percent of teachers received a rating of effective or highly effective.[20] Given the lack of differentiation among the underlying data, the high program scores are not surprising. The state may want to consider whether programs scoring less than a 3.0 are in need of technical assistance or intervention. The three programs earning a 1.0 on this metric – Chipola College, Mathematics; Florida Southern College, English; and the combination of world languages programs at the University of South Florida – may be particularly in need of intervention.

---

[20] 2016-2017 Educator Performance Evaluation Ratings accessed at: *http://www.FDOE.org/teaching/performance-evaluation/*

FIGURE 43

Average Score for Teacher Evaluation by Program Type

■ 2018   ■ 2017   ■ 2016   ■ 2015   ■ 2014
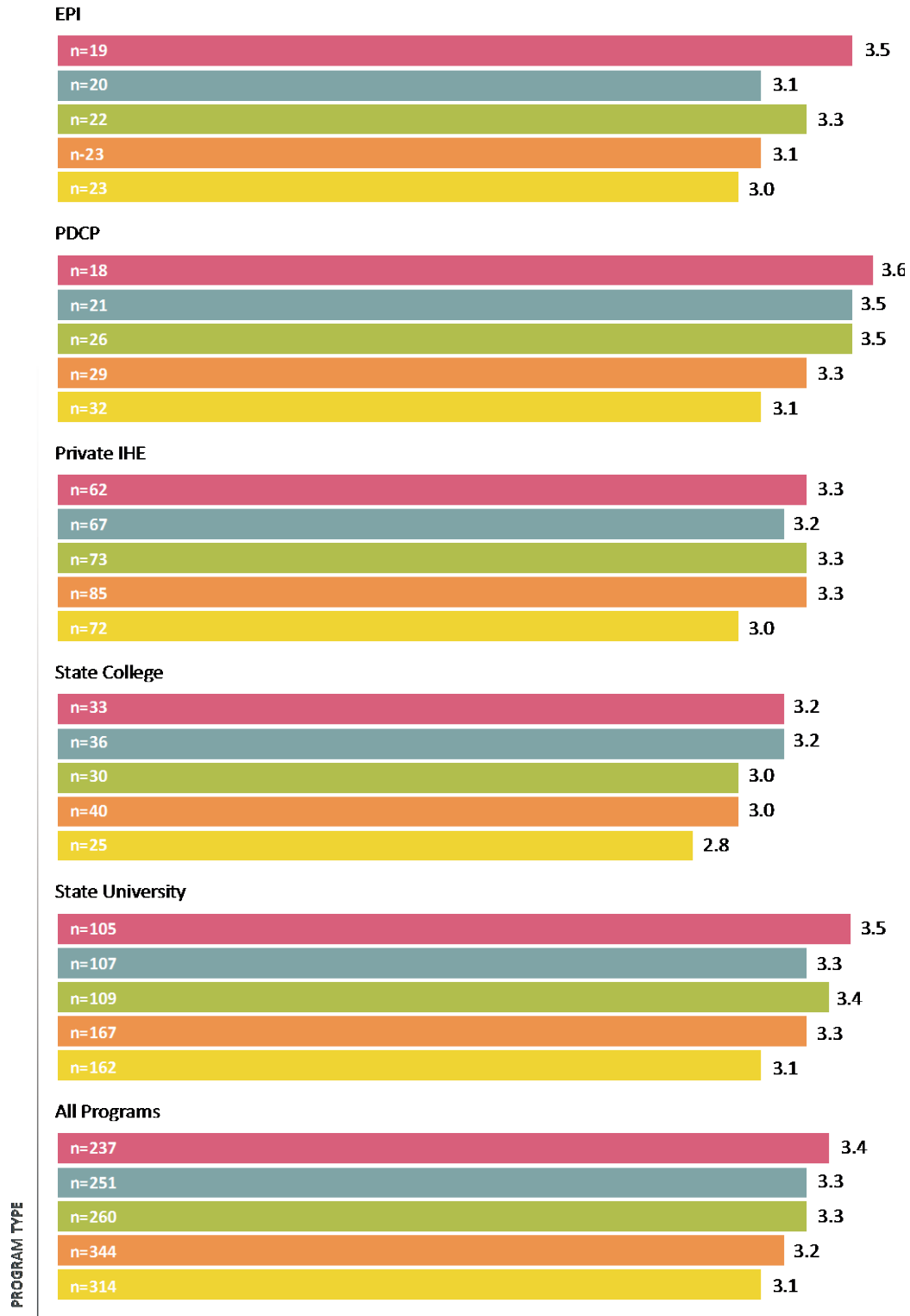
EPI

n=19	3.5
n=20	3.1
n=22	3.3
n-23	3.1
n=23	3.0

PDCP

n=18	3.6
n=21	3.5
n=26	3.5
n=29	3.3
n=32	3.1

Private IHE

n=62	3.3
n=67	3.2
n=73	3.3
n=85	3.3
n=72	3.0

State College

n=33	3.2
n=36	3.2
n=30	3.0
n=40	3.0
n=25	2.8

State University

n=105	3.5
n=107	3.3
n=109	3.4
n=167	3.3
n=162	3.1

All Programs

n=237	3.4
n=251	3.3
n=260	3.3
n=344	3.2
n=314	3.1

PROGRAM TYPE

AVERAGE SCORE FOR TEACHER EVALUATION

Figure 44
Distribution of Teacher Evaluation Scores by Program Type
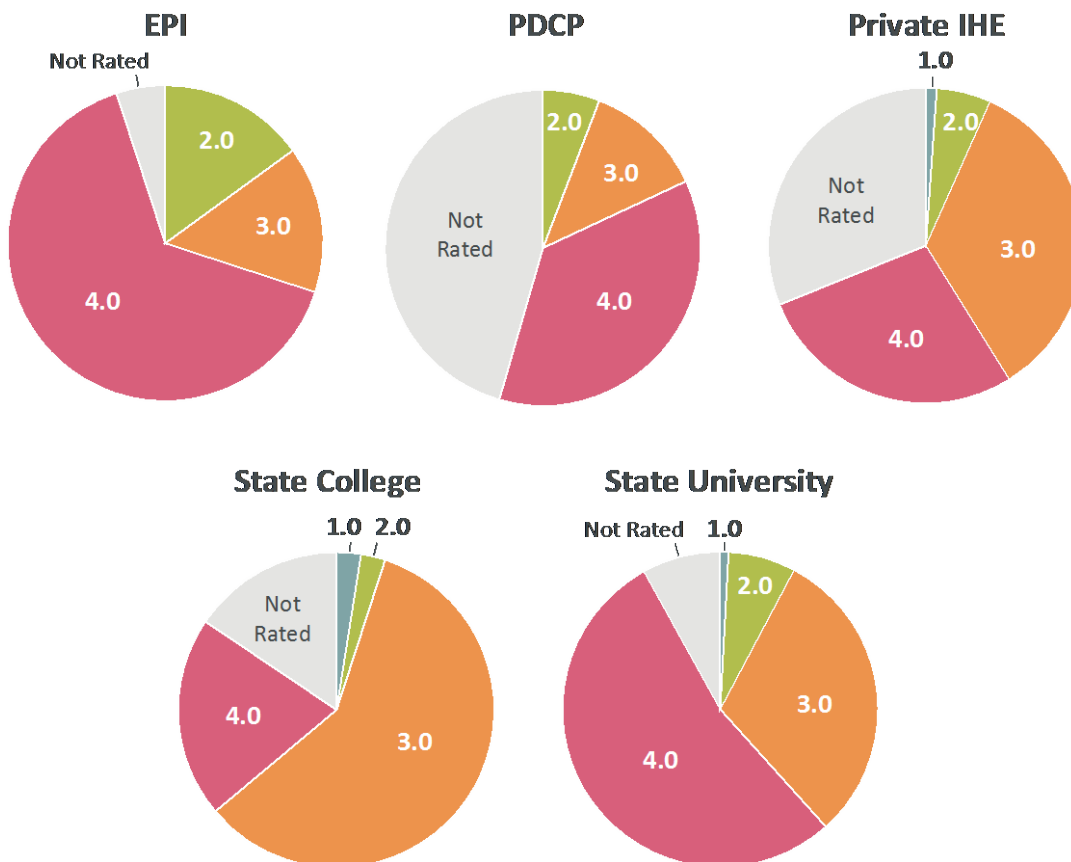
Bonus Metric: Critical Shortage Areas

The final criterion in Florida's teacher preparation accountability system considers whether programs are producing teachers in critical shortage subject areas. Since by design many programs are not preparing teachers for these subject areas, this metric is not used as the other

performance metrics are to evaluate all programs. Instead, eligible programs can earn bonus points that impact their summative scores and rankings.[21]

Critical teacher shortage areas are determined and published each year by the State Board of Education in accordance with Rule 6A-20.0131, Florida Administrative Code. For the school year 2015-2016[22] the following were identified as critical shortage areas, in rank order:

- English
- Exceptional Student Education
- Reading
- Foreign Language
- English for Speakers of Other Languages (ESOL)
- Science
- Mathematics

Based on these identified areas, 107 of the 296 programs analyzed were eligible for the critical teacher shortage area bonus. To earn the bonus, eligible programs must have a minimum of two program completers and increase the number of program completers compared to the prior year.

> **Finding: 31 out of 107 eligible programs (29 percent) had a higher number of completers than the prior year and received the critical teacher shortage bonus.**

FIGURE 45
Eligibility for Critical Teacher Shortage Area Bonus

Not eligible EPI and PDCP — 53
Eligible programs — 107
Not eligible ITP programs — 136

---
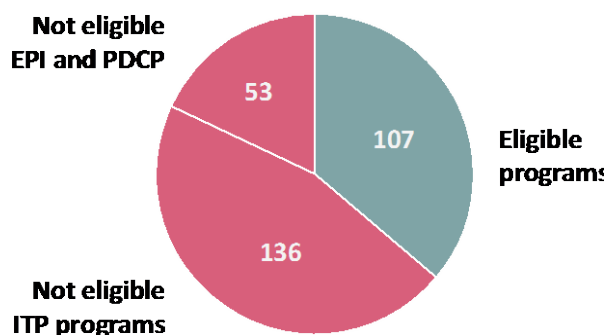
[21] If a program receives the critical teacher shortage bonus, the average of all other performance metric scores available for that program is multiplied by 0.8 and added to the bonus score of four points multiplied by 0.2 to yield the summative rating score.

[22] 2015-2016 is the school year that corresponds to the data in this report. Information on how critical shortage areas are determined can be found at: *http://www.FDOE.org/core/fileparse.php/7766/urlt/Critical-Teacher-Shortage-Areas-2015-16*

FIGURE 46

Programs Awarded Critical Teacher Shortage Area Bonus

Earned bonus 31

Eligible but no bonus 76
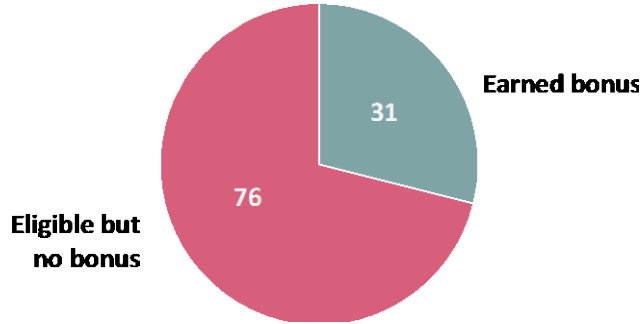
FIGURE 47

Programs Receiving the Critical Teacher Shortage Area Bonus

Institution	Program	Increase in Program Completers from Prior Year
Bethune-Cookman University	Exceptional Student Education/ESOL/Reading	3
Broward College	Exceptional Student Education/ESOL/Reading	10
Broward College	Mathematics	2
Daytona State College	Exceptional Student Education/ESOL/Reading	1
Daytona State College	Mathematics	2
Flagler College	English/ESOL	1
Florida Atlantic University	Biology/Chemistry/Physics	4
Florida Atlantic University	English/ESOL	3
Florida Atlantic University	Reading	4
Florida Gulf Coast University	Exceptional Student Education/ESOL/Reading	1

Institution	Program	Increase in Program Completers from Prior Year
Florida Gulf Coast University	Mathematics	2
Florida International University	English/ESOL	2
Florida International University	Exceptional Student Education/ESOL/Reading	9
Florida Memorial University	Reading/ESOL	2
Florida State University	English/ESOL	10
Florida State University	Mathematics	4
Indian River State College	Biology/Middle Grades General Science	7
Miami Dade College	Mathematics	5
Northwest Florida State College	Middle Grades Mathematics	2
St. Petersburg College	Exceptional Student Education/ESOL/Reading	14
St. Petersburg College	Mathematics	1
University of Central Florida	English/ESOL	2
University of Florida	Biology/Chemistry/Physics	1
University of Florida	Elementary Education/Exceptional Student Education/ESOL/Reading	18
University of Miami	Elementary Education/Exceptional Student Education/ESOL/Reading	1
University of North Florida	English/ESOL	12
University of North Florida	Hearing Impaired	2

Institution	Program	Increase in Program Completers from Prior Year
University of South Florida	Biology/Chemistry/Middle Grades General Science/Physics	6
University of South Florida	English/ESOL	1
University of South Florida	Middle Grades Mathematics	2
University of West Florida	Reading	4

The practice of combining multiple programs into a single unit of analysis for accountability purposes complicates the ability to accurately understand whether teacher preparation programs are helping to address chronic shortages. In particular, treating 'science' as a broad shortage category may mask important differences among science disciplines and reward programs and institutions that are doing little to contribute to the production of new teachers in key shortage subjects.

Further, the scoring for this metric treats all net increases equally, with no differentiation for programs that produce significantly greater numbers of new teachers or the percentage increase relative to overall program size. Seven of the 31 programs receiving the critical shortage bonus produced just one additional teacher compared to the prior year.

Finding: Ten out of the 31 programs (32 percent) that earned the critical shortage area bonus received low scores for teacher placement.

One third of programs that received the critical teacher shortage area bonus received a score of 2.0 or lower on the teacher placement metric, which means the employment rate of their new teachers is in the bottom third of similar programs in the state. The implication is that despite their presumed production of much needed teachers, program completers from these programs were not in demand by hiring school districts.

One possible explanation is that school districts are unaware of the availability of new teachers from these programs, which may be located in different parts of the state than those from which particular districts typically recruit new teachers. Or graduates from these programs may be recruited or seek employment out of state, in which case the state may want to consider strategies to keep these much needed new teachers in Florida. Another possible explanation is

that school districts do not consider teachers from these programs well prepared for the classroom, and in fact, several of the shortage area programs with low placement scores have rankings in the bottom quartile of all programs. But others are ranked quite highly. A closer look at what can be done to get these teachers to the Florida schools that need them may be in order.

FIGURE 48
Critical Shortage Area Programs with Low Placement Scores

Institution	Program	Placement Score
Flagler College	English/ESOL	1.0
University of Florida	Biology/Chemistry/Physics	1.0
University of Miami	Elementary Education/Exceptional Student Education/ESOL/ Reading	1.0
Florida Atlantic University	Biology/Chemistry/Physics	2.0
Florida International University	English/ESOL	2.0
Florida International University	Exceptional Student Education/ESOL/Reading	2.0
Florida State University	English/ESOL	2.0
Florida State University	Mathematics	2.0
University of South Florida	Middle Grades Mathematics	2.0
University of West Florida	Reading	2.0

FIGURE 49
Distribution of Teacher Shortage Bonus by Program Type

State University

| Eligible | 47 |
| Earned bonus 18 |

State College

| Eligible | 25 |
| Earned bonus 9 |

Private IHE

| Eligible | 35 |
| Earned bonus 4 |

PROGRAM TYPE

NUMBER OF PROGRAMS
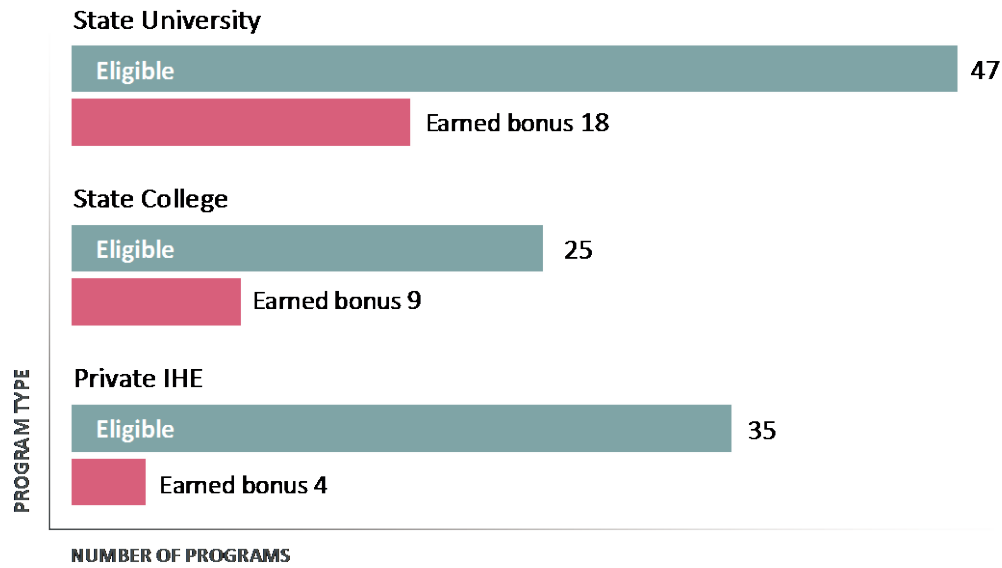
The critical teacher shortage area bonus is currently not applicable to Educator Preparation Institutes and Professional Development Certification Programs until the 2018-2019 academic year. Because those programs by design may include teachers of varying grades and subjects, a separate set of business rules may be needed to determine their eligibility and production of teachers in shortage areas.

Considerations

This section of the report offers Florida suggestions for the state's consideration to further advance the architecture of its teacher preparation program accountability system and the value and usefulness of the information it provides. These considerations are offered with full recognition and appreciation that Florida is among the first states to develop and implement a robust teacher preparation accountability system, and there are certain to be unanticipated challenges when blazing a new trail. Further, there are undoubtedly tradeoffs and issues of context, capacity, and resources that come into play as the state reflects on the feasibility of these ideas.

1. **Increase the number of programs that can be ranked by addressing the causes of unscored metrics and reevaluating the number of subscores required**.

   This report includes rankings for only 76 out of 296 programs. This is a decrease from last year, when 78 programs were ranked. The percentage of programs ranked has increased, as FDOE has commendably worked to remove inactive or defunct programs from its books. But the actual number of programs evaluated is down slightly for each performance metric, a worrying trend for the health and stability of the accountability system.

   The number of ranked programs should increase when student learning data becomes available for EPIs and PDCPs, but the total is likely to remain a minority as long as programs must have student learning data to be ranked. Given that the teacher evaluation metric includes an alternate measure of student learning appropriate to that subject area when a VAM score is not available, the state may want to consider giving additional weight to the evaluation metric for programs that will never have a VAM score and allowing such programs to be ranked with only three subscores. If programs with three subscores were included this year, nearly 100 additional programs would be ranked, more than doubling the total.

   Further, there are large numbers of programs that are not scored for all metrics that go beyond the phasing-in of certain metrics for EPIs and PDCPs. For example, the number of programs receiving a score for teacher evaluation – a metric that should apply to all programs – has declined from 344 in 2015 to 237 this year, a decrease of more than 30 percent. Identifying and addressing the causes of why programs are not scored – whether the result of business rules for scoring that exclude significant numbers of programs or unavailable data -- will improve the viability of the overall system. Fifty-one programs included in this year's analysis have zero subscores. Some of these may be new or very small programs, but the state should continue to identify inactive programs and remove them from data files so they do not reflect negatively on the system as whole.

FIGURE 50
Percentage of Programs Scored Per Metric

	Total Number of Programs Rated		Percentage of Total Programs Rated		Percentage of Applicable Programs Rated		Notes
	2017	2018	2017	2018	2017	2018	
Placement Rate	197	190	57%	64%	64%	72%	Not applicable to PDCPs
Retention Rate	187	183	54%	62%	54%	62%	
Student Learning Growth/Student Learning Growth by Subgroup	86	81	25%	27%	~35%	~40%	Not applicable to PDCPs and EPIs this year; not applicable to ITPs in grades or subjects without statewide assessments
Teacher Evaluation	251	237	73%	80%	73%	80%	

2. Evaluate data quality and consider alternative weighting formulas.

The current formula treats all performance metrics equally in the calculation of summative scores. Yet some indicators may be providing more high quality data than others and some are clearly providing more differentiation among programs than others.

In addition, the rubrics for the metrics are not consistently rigorous. The retention rate rubric appears to be quite rigorous, requiring a minimum average retention rate of three years to earn a score of 3.0. At the opposite end of the spectrum, to earn a 3.0 on the student learning subgroup measure, a program's teachers need only to have positive learning results for 50 percent of student subgroups. While there may be legitimate reasons for some metrics to be evaluated with a lighter touch, it is worth considering whether equal weighting is warranted.

Different weighting may also be warranted for programs that will never have certain metrics. In particular, as noted above, weighting the teacher evaluation metric more heavily for programs in grades or subject areas that do not have statewide assessments would increase the emphasis on teachers' classroom performances, including the measures of student learning other than statewide assessments that are used for those teachers. Even with teacher evaluation results in Florida showing relatively little differentiation among

teacher performance at present, there are still clear differences in program ratings that suggest this metric can be important in identifying outliers, particularly for programs that do not have other results that reflect the performance in the classroom of program completers and their students.

It may also be interesting to collect data that would allow for the further exploration of certain metrics, for informational if not accountability persons. For example, the high level of performance on the retention metric begs analysis of the underlying question of whether new teachers are employed in the same positions over their first five years of employment. Some programs may do markedly better jobs than others in preparing teachers to thrive in a variety of settings or in helping teacher candidates to identify which environments will suit them best.

FIGURE 51
Distribution of Performance Metric Scores
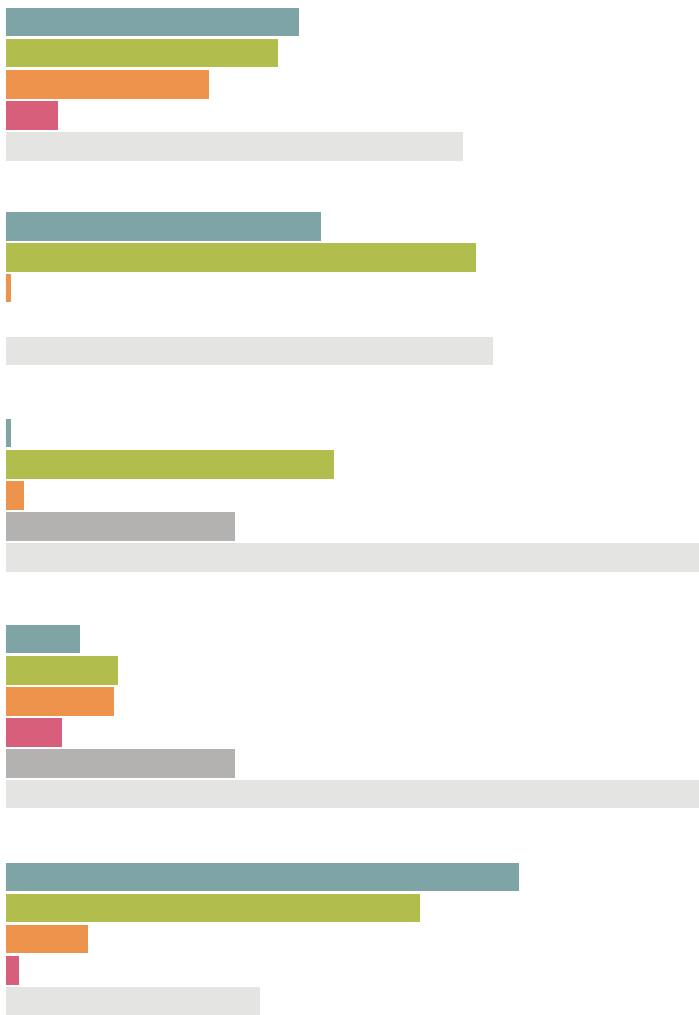
3. **Modify teacher preparation program accountability system business rules that may make resulting data less meaningful.**

There are several ways the system can evolve to provide more reliable and useful information about preparation programs. First, although the system is admirably designed at the program rather than institution level, in many cases discrete programs are combined together. Of the 296 programs in this analysis, 32 are aggregates of multiple programs. The combinations include undergraduate and graduate programs in the same grade/subject area; discrete sciences (e.g., biology, chemistry and physics); and world languages. While these aggregations increase the availability of program data, they do so at the risk of concealing important differences in program performance. The coursework and training of teachers in undergraduate and graduate programs is quite different; there is little reason to assume program outcomes would be identical. Similarly, if an institution's chemistry teachers are in great demand but its biology teachers much less so, that cannot be seen in the current analysis. These are important tradeoffs to consider. Further, some of these programs are quite large, begging the question as to whether the aggregation is necessary or appropriate. For example, the graduate and undergraduate Elementary Education programs at the University of South Florida are treated as a single entity by the accountability system, although the programs report several hundred completers each year. Similarly, the six-year completer total for the graduate and undergraduate Elementary Education programs at Florida Atlantic University is close to 2,000.

Second, rounding summative scores to the hundredths rather than the tenths place would allow for more illustrative comparisons. With only a four point scale, rounding to a single decimal place masks potentially meaningful differentiation between programs. It is likely there would be far fewer ties in the ranking tables if an additional decimal place was presented. It is also likely that in some cases rounding to only the tenths place nullifies the impact of the critical teacher shortage area bonus metric. Current plans indicate the next APPR in 2019 will include rounding to the hundredths place.

Finally, the state should consider ways to lessen the time lag in presenting these results to policymakers and the public. Most of the data that underpin this report are from the 2015-2016 school year, making them more than two full academic years old. While there are clearly complexities in collecting and evaluating these data, the lag impacts the overall utility to the field.

4. **Further develop a dissemination strategy that ensures these findings reach the intended audiences.**

Florida has dedicated significant resources to the development and implementation of its teacher preparation program accountability system. A dissemination strategy that goes beyond the specific delivery requirements articulated in the authorizing strategy can help

maximize the reach and impact of the findings. In particular, it would be helpful to make the findings more accessible on the state website in a manner that also provides direct links to more information about individual programs. At present, users can individually download this overview report or annual program performance reports. Presenting both these overall findings and data about specific programs in an interactive database would allow users to look across programs and cross reference data points much more easily.

Site Visits

For the first time, this year's report includes data and analysis of the site visit reviews that are conducted as part of Florida's program accountability system. Programs are visited and reviewed once during their five-year approval period, and the score from their site review is one component of their Continued Approval Summative Scores. In order to calculate the Continued Approval Summative Score, the weights for each component of the continued approval summative score are 50 percent for the APPR Average Summative Rating, 20 percent for Continued Approval Site Visit Rating, and 30 percent for the Evidence of Programmatic Improvement Rating.[23]

Site visits serve both a formative and summative purpose. They provide programs with an external critique that identifies strengths and challenges and offers specific recommendations for program improvement and growth. In addition to information about particular programs, they also provide state officials with information about collective strengths and weaknesses across programs, which may impact state progress and plans for student outcomes and may point toward a need for technical assistance or regulatory action. Continued Approval Summative Scores will offer school districts, teacher candidates, policymakers and the public a holistic view of both the inputs and outcomes of the programs preparing the state's teachers.

The Florida Department of Education began piloting site visits in fall 2015, in partnership with Teacher Preparation Inspections-US (TPI-US), an organization that conducts program reviews.[24] Since the analysis in this year's report reflects some programs' initial site review experiences, scores and other information are provided only in the aggregate, and not connected to individual programs. Future reports will include specific site visit scores along with performance metrics.

To date, 22[25] institutions have had site visits. These initial site visits have focused on elementary education programs since the vast majority of institutions have such programs (or similar ones) and they are considered representative of all teacher preparation programs across the institution. Site visits explore the actual preparation and training teacher candidates receive through triangulation of data including, but not limited to (1) review of course syllabi and other course documents as well as course observations; candidate data including admission criteria and demographics; survey or other performance data collected by the program; and data and feedback related to teacher candidate observations; (2) interviews with program leadership and faculty; clinical placement supervisors; and administrators and mentor teachers from clinical placement sites; and teacher candidates; and (3) observation of teacher candidates.

---

[23] For example, if a program received the following scores in each of the components: APPR Average Summative Rating of 3.2; Continued Approval Site Visit Rating of 3.0; and Evidence of Programmatic Improvement Rating of 4.0, the continued approval summative score would be (.50*3.2)+(.20*3.0)+(.30*4)=3.4.

[24] TPI-US is a national organization that specializes in site reviews of teacher preparation programs. Modeled after the inspectorate model used in the United Kingdom, TPI-US relies on expert reviewers who are experienced practitioners, as opposed to the peer review model commonly used by state and national accreditors. More information on TPI-US can be found at: *https://www.tpius.org/*.

[25] Two different programs (Elementary Education and Educator Preparation Institute) were reviewed at one of the pilot institutions. Since there were differences in scores between the two programs, they were considered separately, and the analysis that follows refers to 23 programs.

Of the 22 institutions that have had site visits, four institutions had multiple reviews as part of their participation in the Centers of Excellence in Elementary Teacher Education (EXCEED) initiative. Part of Florida's Race to the Top programming, EXCEED awarded discretionary grants to institutions of higher education to partner with a local school district and an organization specializing in evidence-based educator supports to improve and/or enhance elementary teacher candidates' content knowledge and field experiences. The institutions that received EXCEED grants – Florida Atlantic University, Stetson University, St. Petersburg College, and the University of Florida, had multiple site visits between 2015 and 2017. For the purposes of this analysis, only the scores for the EXCEED grantees' most recent reviews were used in calculating averages for all 22 institutions. An additional summary is presented below that takes a closer look at the site reviews for these four programs.

The site reviews use an inspection framework[26] developed by TPI-US that includes four areas of review:

- Quality of selection for teacher candidates
- Quality of content knowledge and teaching methods
- Quality of clinical placement, feedback, and candidate performance
- Quality of program performance management

In pilot inspections that began in 2015, programs were not scored on the selection and/or content knowledge/teaching methods indicators, although analysis was conducted and feedback provided. As of fall 2018, all site reviews include all four areas, although feedback on quality of selection is provided for informational purposes only.

Each inspection area is rated on a scale of 1 to 4. Grade 4 is strong; grade 3 is good; grade 2 is weak; and grade 1 is inadequate. The site visit report provides detailed findings and recommendations for each area, as well as for the program as a whole.

Quality of selection for teacher candidates

The quality of selection looks at the process and criteria that the program uses to determine which candidates will be admitted. While there is no magic formula for determining which candidates will become highly effective teachers, a thoughtful process that considers academic background and dispositions among other factors is essential to program success and the health of the teaching profession. The framework for quality of selection specifically addresses these questions:

- What principles, criteria, and recruitment/selection practices drive the selection of program applicants?

---

[26] The full Florida site review framework can be found at: *https://www.flrules.org/gateway/reference.asp?No=Ref-09268*

- What is the quality, as determined by pre-selection GPA and/or standardized test scores, of recent cohorts?
- What efforts are underway to make program candidates and program completers more representative of the student population of the schools and/or district(s) served by the program?

Quality of selection has only been reviewed and scored during the pilot phase, with 10 programs receiving an informational rating. The average program rating was 2.4, showing that all programs have room for growth in their selection processes.

FIGURE 52
Distribution of Quality of Selection of Teacher Candidates Scores
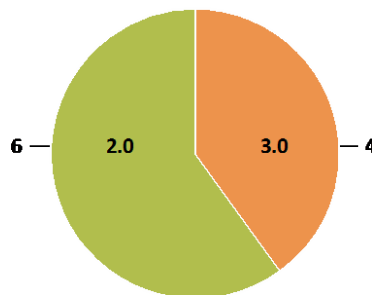
Quality of Content Knowledge and Teaching Methods

The quality of content knowledge and teaching methods considers how well the program ensures that teacher candidates have the requisite content knowledge and teaching skills they will need. Since site visits to date have focused primarily on elementary programs only, the framework covers the wide range of subject matter and methods an elementary teacher is responsible for in her classroom. The framework for quality of content knowledge and teaching methods specifically addresses the following questions:

- How does the program ensure individual teacher candidates have a secure knowledge of their content (especially Scientifically-Based Reading Instruction, Math, other subjects in elementary programs)?
- How does the program ensure teacher candidates are well equipped with key teaching techniques and methods (particularly classroom management, assessment, differentiation, academic feedback, questioning skills) to bring about advancements in student learning and achievement?
- What connections (e.g., scenarios, simulations, peer teaching, assignments) are made in courses between course knowledge and its application to teaching practice so that candidates can learn how to apply their coursework knowledge?

Quality of content knowledge and teaching methods has been phased in as a review area, so not all programs that have had site visits have received a rating in this area. Fifteen have been reviewed to date. The average program rating was 2.53, with reviewed programs nearly evenly divided between a rating of "good" and a rating of "needs improvement."

FIGURE 53
Distribution of Quality of Content Knowledge and Teaching Methods Scores
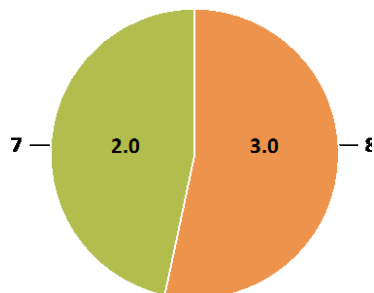
Quality of Clinical Placement, Feedback, and Candidate Performance

Quality of clinical placement, feedback, and candidate performance looks at the clinical experience – the opportunity teacher candidates have to practice teaching in real classrooms in the field – through two distinct lenses. The first lens considers the program side of the coin: ensuring that the program's placements, cooperating teachers, supervisors, feedback instruments, etc. are aligned to identify candidates' strengths and weaknesses and foster professional growth to ensure candidates are ready to be teachers of record in their own classrooms. The second lens looks at the teaching skill of candidates as a measure of the effectiveness of the program. By observing candidates in their final, summative student teaching experience, the site visit can gauge the overall quality of the training and preparation they have received from the program. The framework for quality of clinical placement, feedback, and candidate performance specifically addresses the following questions:

- How does the program structure the final clinical experience and select the clinical placement site?
- How are cooperating teachers and/or program supervisors chosen, trained, and supported by the program?
- What aspects of teaching and learning does the observation tool provide feedback on?
- What is the quality of the feedback candidates receive? Is it an accurate reflection of the quality of teaching and learning during the observed lesson?
- How consistent is the feedback provided by the program supervisors and classroom cooperating teachers?
- Is the feedback constructive, actionable, and likely to lead to improvement in teaching and learning practices?

- How do cooperating teachers, principals, and/or program supervisors view the overall quality of teacher candidates?
- What is the impact of candidate teaching on student learning during the observed lesson?
- What is the evidence from the site visit with regards to the quality of teacher candidates?

All 23 programs that have had site reviews have been rated in this area. The average score for quality of clinical placement, feedback, and candidate performance is 2.3. University of Tampa is the only program to receive the highest rating of "strong" in this area. The majority of programs were rated as needing improvement ("weak" per Florida's framework) in this area.

FIGURE 54
Distribution of Quality of Clinical Placement, Feedback, and Candidate Performance Scores
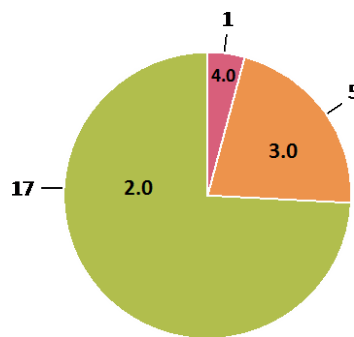
Quality of Program Performance Management

Quality of program performance management looks at whether and to what extent the program has functions and structures in place to collect and analyze data for continuous improvement of the effectiveness of teacher preparation and candidate outcomes. Programs with a culture of continuous improvement will routinely use a variety of data to assess what is working well and what can be improved within the program. The framework for quality of program performance management specifically addresses the following questions:

- How do program leadership and faculty use a wide variety of information to understand candidate and cohort performance and make improvements to the program? How often?
- What is the quality of data collected and used by the program and who uses it? How does the program monitor the quality of its data and seek to improve data quality where needed?

- Does the program have—and use—quality control "gates," transition points, or checkpoints at the end of each program stage to decide whether a candidate is ready to move to the next stage? What data are used to make these decisions?
- Does the program have intervention plans for weaker candidates? For those candidates unable to meet performance improvement goals, is there a non-certification degree track for them?
- How does the program monitor and take steps to improve the quality of coursework and teaching?
- How does program leadership take action as a result of information? Frequency? What steps are taken to monitor the results of steps taken to make improvements?
- How does the program ensure it meets Florida Statutes [1004.04(2)(d), 1004.85 (3)(b)3, 1012.56(8)] whereby prior to program completion, each candidate must demonstrate positive impact on student learning growth and pass all relevant portions of the Florida Teacher Certification Examination (FTCE)?

All 23 programs that have had site visits received a rating in this area. The average score was 2.3, with the University of Tampa once again the stand out as the only program to receive a "strong" rating. The majority of programs were rated as in need of improvement in this area.

FIGURE 55
Distribution of Quality of Program Performance Methods Scores
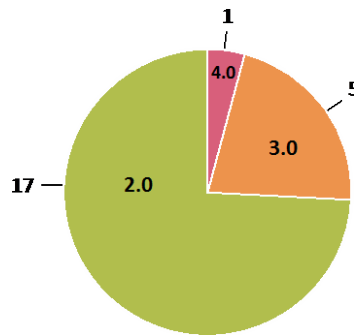
EXCEED Site Reviews

As noted above, the four institutions that received grants as part of the EXCEED initiative to improve and advance their teacher preparation programs had multiple site visits for continuous improvement and evaluation purposes. The institutions were visited annually in 2015, 2016, and 2017.

The EXCEED site reviews offer a lens to view whether the site reviews do, as intended, offer actionable feedback that results in progress in meeting the indicators outlined in the framework.

FIGURE 56
EXCEED Programs Site Visit Ratings 2015-2017

Florida Atlantic University	2015	2016	2017
Selection	3	3	3
Content Knowledge	2	2	3
Clinical Placement	2	3	3
Performance Management	2	3	3

Stetson University	2015	2016	2017
Selection	3	3	3
Content Knowledge	2	2	2
Clinical Placement	2	2	2
Performance Management	2	2	3

St. Petersburg College	2015	2016	2017
Selection	2	2	2
Content Knowledge	2	3	3
Clinical Placement	2	2	3
Performance Management	2	3	3

University of Florida	2015	2016	2017
Selection	3	3	3
Content Knowledge	2	2	3
Clinical Placement	2	2	3
Performance Management	2	3	3

All four of the institutions have made progress against the review framework. Florida Atlantic University and the University of Florida each made advancements in three of the four areas, and each program is now rated as "good" in all four areas. It will be interesting to see if these programs are able and motivated to continue to progress and achieve ratings of "strong" in the future. St. Petersburg College also made progress in three of the four areas, with selection still rated as in need of improvement. Stetson University made progress in one area, and now has two areas rated as "good" and two rated as "needs improvement."

Notably, selection is the only one of the four areas that remains unchanged for all programs over time. It may be that this is the hardest area for programs to change since it likely impacts not just program admission but which candidates are accepted to the institution of higher education as a whole. Further, Florida law requires a minimum GPA of 2.5, while the framework requires a 3.0 for a rating of "good" or "strong."

Observations/Considerations

With the site reviews in such a preliminary stage, it would not be appropriate to draw conclusions about the site review process or protocols or the quality of programs or teacher candidates. The following observations and considerations are therefore offered not as judgments, but rather as recommendations of things to watch for and food for thought.

1. **Ratings overall** – Nearly all ratings received by programs were either 2 "needs improvement" or 3 "good". While it is welcome news that no programs received area ratings of 1 "inadequate", there were also very few ratings of 4 "strong" awarded. As more reviews are conducted, the state will want to ensure that the ratings are calibrated to the framework. The state will also want to look at whether programs that receive a rating of "good" are sufficiently motivated to continue to advance and improve.

2. **University of Tampa** – Although this report purposefully avoids identifying the ratings of particular programs, an exception is being made for the University of Tampa, which stands out as the only program to receive any "strong" ratings. The University of Tampa received the highest ratings in both clinical placement and performance management, and did not receive any rating below "good."

3. **Clinical placement**
   - *Observations and feedback* – Within the quality of clinical placement area, the quality of observations and feedback was the most common area in need of improvement. Many programs lack common protocols and instrumentation for ensuring that candidates are observed frequently and receive actionable, appropriate feedback that will help their growth and development. Too many programs leave protocols and instrumentation to the discretion of individual supervisors/observers, without commensurate quality controls to ensure consistency and quality.
   - *Quality versus quantity* – Programs tended to emphasize the amount of clinical/field work over ensuring that field work would include high quality placements with clear mechanisms for ensuring high quality observations and feedback.
   - *Differentiating between clinical placement quality and candidate/program quality* – This area evaluates two related but quite distinct topics. The first looks at the quality of the clinical experience. The second looks at the quality of the training and preparation of the program as a whole, as measured by the knowledge and skills demonstrated by teacher candidates during the summative field placements. The latter is critically important, and perhaps worthy of its own area rating, as it reflects on and is influenced by much more than just the clinical placement area. Further, it is problematic if the overall area score allows one topic to compensate for weakness in the other, particularly if the weakness is in candidate performance.

4. **Selection** – The experience of the EXCEED programs suggests this may be the hardest area in which to make progress. Whether because of fundamental changes required of admissions to the university as a whole, recruiting/catchment area, or program size, programs may need technical assistance and/or additional incentives to progress.

5. **Content Knowledge and Teaching Methods**
   - *Variation across subject/instructional areas* – The sub-indicators for the content knowledge and teaching methods area show that most programs vary considerably in quality across subject and method areas (e.g., literacy, mathematics, social studies, science, classroom management, assessment). Programs tend to be a mix of stronger and weaker areas, perhaps suggesting that this is a result of the strengths, weaknesses, and discretion of individual faculty members and that programs may lack overall coherence. Further, the overall rating for this area may mask significant weaknesses (or strengths) in specific subject or instructional topics.
   - *Scientifically-based reading* – Given Florida's long focus on the science of reading instruction and evidence-based practice, it is encouraging to note that most programs were rated as good or strong in their preparation in this area. Of the fourteen programs that received ratings on this sub-indicator, only two were found to be in need of improvement.

6. *Performance management* – Perhaps the most common weakness across reviewed programs is the lack of performance management systems to monitor candidate and program performance. Such systems are essential to continuous program and candidate improvement. Most programs rely on informal tracking and monitoring mechanisms, rather than establishing formal systems that ensure consistent collection, analysis and application of data.

Appendix A: Performance Metric Table

Performance Metrics	Level 4 Performance Target (4 points)	Level 3 Performance Target (3 points)	Level 2 Performance Target (2 points)	Level 1 Performance Target (1 point)
Placement Rate (not applicable for PDCP programs per Section 1012.56(8), F.S.)	Placement rate is at or above the 68th percentile of all equivalent programs across the state.	Placement rate is at or above the 34th percentile and below the 68th percentile of all equivalent programs across the state.	Placement rate is at or above the 5th percentile and below the 34th percentile of all equivalent programs across the state.	Placement rate is below the 5th percentile of all equivalent programs across the state.
Retention Rate	The average number of years employed in the 5-year period following initial placement is 4.5 years or more.	The average number of years employed in the 5-year period following initial placement is 3 years to less than 4.5 years.	The average number of years employed in the 5-year period following initial placement is 2 years to less than 3 years.	The average number of years employed in the 5-year period following initial placement is less than 2 years.
Performance of prekindergarten-12 students on statewide assessments using results of student learning growth formula per Section 1012.34, F.S.	The probability that the average student learning growth among students taught by program completers exceeds the expectations for those students is ≥ 95 percent.	The probability that the average student learning growth among students taught by program completers exceeds the expectations for those students is < 5 percent; AND the probability that the average student learning growth among students taught by program completers falls short of the expectations for those students' expectations is < 5 percent.	Not calculated.	The probability that the average student learning growth among students taught by program completers falls short of the expectations for those students is ≥ 95 percent.
Student performance by subgroups data	At least 75 percent of the subgroups meet or exceed the state standard for performance.	At least 50 percent, but less than 75 percent of the subgroups meet or exceed the state standard for performance.	At least 25 percent but less than 50 percent of the subgroups meet or exceed the state standard for performance.	Fewer than 25 percent of the subgroups exceed the state standard for performance.
Results of program completers' annual evaluations as specified in Section 1012.34, F.S.	At least 30 percent of the program's completers received a highly effective rating and 90 to 100 percent of the program's completers received either highly effective or effective ratings, and no completers were rated unsatisfactory.	Program did not meet criteria for Level 4, but at least 80 percent of the program's completers received either highly effective or effective ratings, and no completers were rated unsatisfactory.	Program did not meet criteria for Level 3, but at least 60 percent of the program's completers received a highly effective or effective rating and no more than 5 percent (more than one (1) for n < 20) of the program's completers were rated unsatisfactory.	Program did not meet criteria for Level 2, 3 or 4.

Performance Metrics	Level 4 Performance Target (4 points)	Level 3 Performance Target (3 points)	Level 2 Performance Target (2 points)	Level 1 Performance Target (1 point)
Production of program completers in statewide critical teacher shortage areas, per Rule 6A-20.0131, F.A.C., in accordance with Section 1012.07, F.S. **BONUS ONLY, pursuant to subparagraph (3)(a)6. of this rule.**	The critical teacher shortage program increased the number of program completers compared to the year before with a minimum of 2 completers in each year.			

Appendix B: Program Aggregations

Florida's teacher preparation accountability system is designed to evaluate program level, rather than institutional level performance. Although the state aims for program-level accountability, it does combine together data from certain programs to increase the amount of available data. For example, in certain cases graduate and undergraduate programs are combined, discrete science programs such as biology, chemistry or physics are combined, and discrete world language programs (e.g., French or Spanish) are combined.

The following programs are identified by the FDOE with the same program code for the purposes of producing the Annual Program Performance Report (APPR) and thus were considered as a single program in the analyses in this report.

Institution	Program Code	Programs
Broward College	288.5	Biology
		Middle Grades General Science
Chipola College	288.5	Biology
		Middle Grades General Science
Daytona State College	288.5	Biology
		Chemistry
		Earth/Space Science
		Physics
Florida A&M University	288.5	Biology
		Chemistry
		Physics
Florida Atlantic University	288.5	Biology
		Chemistry
		Physics
Florida Atlantic University	310.5	French
		Spanish
Florida Atlantic University	444.5	Elementary Education/ESOL
		Elementary Education/ESOL/Reading
Florida International University	114.5	Art
		Art (MAT)
Florida International University	288.5	Biology
		Chemistry
		Earth/Space Science
		Physics

Institution	Program Code	Programs
Florida International University	430.5	Exceptional Student Education/ESOL
		Exceptional Student Education/ESOL/Reading
Florida International University	444.5	Elementary Education/ESOL
		Elementary Education/ESOL/Reading
Florida State University	288.5	Biology (FSU-Teach)
		Biology (MST)
		Chemistry (FSU-Teach)
		Chemistry (MST)
		Earth/Space Science (FSU-Teach)
		Physics (FSU-Teach)
		Physics (MST)
Florida State University	293.5	Social Science
		Social Science (MST)
Florida State University	398.5	English/ESOL
		English/ESOL (MST)
Indian River State College	288.5	Biology
		Middle Grades General Science
Miami Dade College	288.5	Biology
		Chemistry
		Earth/Space Science
		Physics
Rollins College	288.5	Biology
		Chemistry
		Physics
Rollins College	310.5	French
		Spanish
Saint Leo University	430.5	Exceptional Student Education
		Exceptional Student Education/ESOL/Reading
St. Petersburg College	288.5	Biology
		Middle Grades General Science
University of Central Florida	288.5	Biology
		Chemistry
		Middle Grades General Science
		Physics
University of Florida	288.5	Biology

Institution	Program Code	Programs
		Chemistry
		Physics
University of North Florida	288.5	Biology
		Chemistry
		Physics
University of South Florida	287.5	Mathematics
		Mathematics (MAT)
University of South Florida	288.5	Biology
		Biology (MAT)
		Chemistry
		Chemistry (MAT)
		Middle Grades General Science
		Physics
		Physics (MAT)
University of South Florida	293.5	Social Science
		Social Science (MAT)
University of South Florida	306.5	Middle Grades Mathematics
		Middle Grades Mathematics (MAT)
University of South Florida	310.5	Chinese/ESOL (MAT)
		French/ESOL
		French/ESOL (MAT)
		German/ESOL
		German/ESOL (MAT)
		Italian/ESOL
		Italian/ESOL (MAT)
		Japanese/ESOL (MAT)
		Latin/ESOL
		Latin/ESOL (MAT)
		Russian/ESOL
		Russian/ESOL (MAT)
		Spanish/ESOL
		Spanish/ESOL (MAT)
University of South Florida	398.5	English/ESOL
		English/ESOL (MAT)
University of South Florida	430.5	Exceptional Student Education/ESOL/Reading

Institution	Program Code	Programs
		Exceptional Student Education/ESOL/Reading (MAT)
University of South Florida	444.5	Elementary Education/ESOL
		Elementary Education/ESOL (MAT)
University of South Florida – Sarasota Manatee	444.5	Elementary Education/ESOL
		Elementary Education/ESOL (MAT)

Appendix C: APPR Summary Table All Programs

Rank	Institution /Program	Undergraduate Program (U) / Graduate Program (G)	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
1	**Florida Atlantic University** Mathematics	U	3.8	4.0	4.0	3.0	4.0	4.0		28
1	**Indian River State College** Middle Grades Mathematics	U	3.8	3.0	4.0	4.0	4.0	4.0		66
1	**Northwest Florida State College** Middle Grades Mathematics	U	3.8	4.0	--	3.0	4.0	4.0	✓	16
4	**Florida Atlantic University** English/ESOL	U	3.7	4.0	4.0	3.0	4.0	3.0	✓	98
5	**Barry University** Reading	G	3.6	4.0	4.0	3.0	4.0	3.0		237
5	**Florida A&M University** Elementary Education/ESOL/Reading	U	3.6	4.0	4.0	3.0	4.0	3.0		165
5	**Florida Memorial University** Reading/ESOL	G	3.6	4.0	--	3.0	3.0	4.0	✓	24
5	**University of South Florida** Mathematics	U	3.6	4.0	3.0	3.0	4.0	4.0		149
9	**Florida Atlantic University** Reading	G	3.5	3.0	3.0	3.0	4.0	4.0	✓	116
9	**Florida State University** Mathematics	U	3.5	2.0	4.0	3.0	4.0	4.0	✓	82
9	**Southeastern University** English/ESOL	U	3.5	4.0	--	3.0	4.0	3.0		14
9	**University of North Florida** English/ESOL	U	3.5	4.0	4.0	3.0	3.0	3.0	✓	64

Rank	Institution /Program	Undergraduate Program (U) / Graduate Program (G)	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
13	**Chipola College** Elementary Education/ESOL/Reading	U	3.4	4.0	4.0	3.0	3.0	3.0		126
13	**Saint Leo University** Reading	G	3.4	4.0	4.0	3.0	2.0	4.0		211
13	**University of Central Florida** English/ESOL	U/G	3.4	3.0	4.0	3.0	2.0	4.0	✓	292
13	**University of Central Florida** Mathematics	U/G	3.4	3.0	3.0	3.0	4.0	4.0		213
13	**University of North Florida** Elementary Education/ESOL	U	3.4	3.0	3.0	3.0	4.0	4.0		846
13	**University of North Florida** Middle Grades Math/Middle Grades General Science	U	3.4	3.0	4.0	3.0	3.0	4.0		44
13	**University of South Florida** English/ESOL	U/G	3.4	3.0	3.0	3.0	3.0	4.0	✓	312
20	**Chipola College** English/ESOL	U	3.3	4.0	--	3.0	3.0	3.0		18
20	**Chipola College** Middle Grades Mathematics	U	3.3	4.0	--	3.0	3.0	3.0		10
20	**St. Petersburg College** Middle Grades Mathematics	U	3.3	4.0	--	3.0	3.0	3.0		21
23	**Flagler College** English/ESOL	U	3.2	1.0	--	3.0	4.0	4.0	✓	18
23	**Florida Atlantic University** Elementary Education/ ESOL/Reading	U/G	3.2	3.0	3.0	3.0	4.0	3.0		1,826
23	**Florida Gulf Coast University** Elementary Education/ ESOL/Reading	U	3.2	3.0	4.0	3.0	3.0	3.0		555
23	**Florida International University** Reading	G	3.2	3.0	4.0	3.0	2.0	4.0		227

Rank	Institution /Program	Undergraduate Program (U) / Graduate Program (G)	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
23	**Florida Memorial University** Elementary Education/ESOL	U	3.2	4.0	4.0	3.0	2.0	3.0		43
23	**Miami Dade College** Mathematics	U	3.2	4.0	4.0	1.0	3.0	3.0	✓	55
23	**Nova Southeastern University** Reading	G	3.2	4.0	4.0	3.0	2.0	3.0		92
23	**Saint Leo University** Elementary Education/ESOL/Reading	U	3.2	4.0	4.0	3.0	1.0	4.0		705
23	**St. Petersburg College** Mathematics	U	3.2	3.0	4.0	3.0	1.0	4.0	✓	35
23	**University of Central Florida** Reading	G	3.2	3.0	3.0	3.0	3.0	4.0		200
23	**University of Florida** Elementary Education/Exceptional Student Education/ESOL/Reading	G	3.2	3.0	3.0	3.0	2.0	4.0	✓	187
23	**University of Florida** Elementary Education/ ESOL/Reading	Post-Bacc	3.2	2.0	3.0	3.0	4.0	4.0		464
23	**University of South Florida** Middle Grades Mathematics	U	3.2	2.0	--	3.0	4.0	3.0	✓	48
23	**University of West Florida** Reading	G	3.2	2.0	4.0	3.0	2.0	4.0	✓	64
37	**Barry University** Elementary Education/ESOL/Reading	U	3.0	2.0	4.0	3.0	3.0	3.0		70
37	**Broward College** Middle Grades Mathematics	U	3.0	4.0	--	3.0	2.0	3.0		14
37	**Florida College** Elementary Education/ESOL	U	3.0	2.0	--	3.0	3.0	4.0		48
37	**Florida International University** English/ESOL	U	3.0	2.0	3.0	3.0	3.0	3.0	✓	30

Rank	Institution /Program	Undergraduate Program (U) / Graduate Program (G)	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
37	**Florida Southern College** Elementary Education/ESOL	U	3.0	4.0	3.0	3.0	2.0	3.0		195
37	**Florida State University** English/ESOL	U/G	3.0	2.0	4.0	3.0	2.0	3.0	✓	184
37	**Rollins College** Elementary Education/ESOL	U	3.0	2.0	3.0	3.0	3.0	4.0		77
37	**Stetson University** Elementary Education/ESOL	U	3.0	3.0	4.0	3.0	2.0	3.0		81
37	**University of South Florida** Reading	G	3.0	3.0	3.0	3.0	2.0	4.0		178
37	**University of South Florida Sarasota Manatee** Elementary Education/ESOL	U/G	3.0	3.0	4.0	3.0	2.0	3.0		356
37	**University of South Florida St. Petersburg** Elementary Education/Exceptional Student Education/ESOL/Reading	U	3.0	4.0	4.0	3.0	2.0	2.0		449
37	**University of South Florida St. Petersburg** Elementary Education/ESOL/Reading	G	3.0	4.0	3.0	3.0	2.0	3.0		50
37	**University of West Florida** Elementary Education/Exceptional Student Education/ESOL/Reading	U	3.0	3.0	--	3.0	2.0	4.0		325
50	**Flagler College** Elementary Education/Hearing Impaired/ESOL/Reading	U	2.8	3.0	4.0	3.0	1.0	3.0		57
50	**Florida International University** Elementary Education/ ESOL/Reading	U/G	2.8	2.0	4.0	3.0	2.0	3.0		978
50	**Lynn University** Elementary Education/ESOL/Reading	U	2.8	1.0	4.0	3.0	3.0	3.0		46

Rank	Institution /Program	Undergraduate Program (U) / Graduate Program (G)	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
50	**Northwest Florida State College** Elementary Education/ ESOL/Reading	U	2.8	1.0	3.0	3.0	3.0	4.0		166
50	**St. Petersburg College** Elementary Education/ESOL/Reading	U	2.8	4.0	3.0	3.0	1.0	3.0		493
50	**University of Central Florida** Middle Grades Mathematics	G	2.8	1.0	--	3.0	3.0	4.0		22
50	**University of Florida** English/ESOL	G	2.8	2.0	3.0	3.0	2.0	4.0		80
50	**University of South Florida St. Petersburg** Reading	G	2.8	2.0	3.0	3.0	3.0	3.0		58
50	**University of Tampa** Elementary Education/ESOL/Reading	U	2.8	2.0	3.0	3.0	2.0	4.0		220
50	**Warner University** Elementary Education/ESOL	U	2.8	3.0	3.0	3.0	2.0	3.0		54
60	**Flagler College** Elementary Education/Exceptional Student Education/ESOL/Reading	U	2.6	2.0	3.0	3.0	2.0	3.0		247
60	**Flagler College** Elementary Education/ESOL/Reading	U	2.6	1.0	3.0	3.0	3.0	3.0		278
60	**Florida SouthWestern State College** Elementary Education/ESOL/Reading	U	2.6	4.0	4.0	1.0	2.0	2.0		472
60	**Florida State University** Elementary Education/ESOL/Reading	U	2.6	2.0	3.0	3.0	3.0	2.0		520
60	**Jacksonville University** Elementary Education/ESOL/Reading	G	2.6	1.0	3.0	3.0	3.0	3.0		61
60	**Saint Leo University** Middle Grades English/ESOL/ Reading	U	2.6	3.0	3.0	3.0	1.0	3.0		53

Rank	Institution /Program	Undergraduate Program (U) / Graduate Program (G)	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
60	**University of North Florida** Mathematics	U	2.6	3.0	3.0	3.0	1.0	3.0		48
60	**University of South Florida** Elementary Education/ESOL	U/G	2.6	4.0	3.0	3.0	1.0	2.0		1,638
68	**Chipola College** Mathematics	U	2.5	--	3.0	3.0	3.0	1.0		16
68	**Daytona State College** Elementary Education/ESOL/Reading	U	2.5	3.0	--	3.0	1.0	3.0		240
70	**Nova Southeastern University** Elementary Education/ESOL/Reading	U	2.4	2.0	4.0	3.0	1.0	2.0		162
70	**Palm Beach Atlantic University** Elementary Education/ESOL	U	2.4	1.0	2.0	3.0	2.0	4.0		78
70	**Southeastern University** Elementary Education/ ESOL/Reading	U	2.4	2.0	4.0	3.0	1.0	2.0		125
70	**University of Miami** Elementary Education/Exceptional Student Education/ESOL/Reading	U	2.4	1.0	--	3.0	1.0	3.0	✓	56
70	**University of West Florida** Elementary Education/ESOL/Reading	U	2.4	2.0	3.0	3.0	2.0	2.0		267
75	**Bethune-Cookman University** Elementary Education/ESOL/Reading	U	2.3	4.0	--	1.0	1.0	3.0		40
76	**University of Central Florida** Elementary Education/ESOL/Reading	U/G	2.2	3.0	3.0	1.0	2.0	2.0		2,819

Appendix D: Institutional Summaries

Institution	Rank	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
Barry University									
Reading	5	3.6	4.0	4.0	3.0	4.0	3.0		237
Elementary Education/ESOL/Reading	37	3.0	2.0	4.0	3.0	3.0	3.0		70
Chipola College									
Elementary Education/ESOL/Reading	13	3.4	4.0	4.0	3.0	3.0	3.0		126
English ESOL	20	3.3	4.0	--	3.0	3.0	3.0		18
Middle Grades Mathematics	20	3.3	4.0	--	3.0	3.0	3.0		10
Mathematics	68	2.5	--	3.0	3.0	3.0	1.0		16
Flagler College									
English/ESOL	23	3.2	1.0	--	3.0	4.0	4.0	✓	18
Elementary Education/Hearing Impaired/ESOL/Reading	50	2.8	3.0	4.0	3.0	1.0	3.0		57
Elementary Education/Exceptional Student Education/Reading/ESOL	60	2.6	2.0	3.0	3.0	2.0	3.0		247
Elementary Education/ESOL/Reading	61	2.6	1.0	3.0	3.0	3.0	3.0		278
Florida Atlantic University									
Mathematics	1	3.8	4.0	4.0	3.0	4.0	4.0		28
English/ESOL	4	3.7	4.0	4.0	3.0	4.0	3.0	✓	98
Reading	9	3.5	3.0	3.0	3.0	4.0	4.0	✓	116

Institution	Rank	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
Elementary Education/ESOL/Reading	23	3.2	3.0	3.0	3.0	4.0	3.0		1,826
Florida International University									
Reading	23	3.2	3.0	4.0	3.0	2.0	4.0		227
English/ ESOL	37	3.0	2.0	3.0	3.0	3.0	3.0	✓	30
Elementary Education/ESOL/Reading	50	2.8	2.0	4.0	3.0	2.0	3.0		978
Florida Memorial University									
Reading/ESOL	5	3.6	4.0	--	3.0	3.0	4.0	✓	24
Elementary Education/ESOL	23	3.2	4.0	4.0	3.0	2.0	3.0		43
Florida State University									
Mathematics	9	3.5	2.0	4.0	3.0	4.0	4.0	✓	82
English/ESOL	37	3.0	2.0	4.0	3.0	2.0	3.0	✓	184
Elementary Education/ESOL/Reading	62	2.6	2.0	3.0	3.0	3.0	2.0		520
Northwest Florida State College									
Middle Grades Mathematics	1	3.8	4.0	--	3.0	4.0	4.0	✓	16
Elementary Education/ESOL/Reading	50	2.8	1.0	3.0	3.0	3.0	4.0		166
Nova Southeastern University									
Reading	23	3.2	4.0	4.0	3.0	2.0	3.0		92
Elementary Education/ESOL/Reading	70	2.4	2.0	4.0	3.0	1.0	2.0		162
Saint Leo University									
Reading	13	3.4	4.0	4.0	3.0	2.0	4.0		211
Elementary Education/ESOL/Reading	23	3.2	4.0	4.0	3.0	1.0	4.0		705

Institution	Rank	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
Middle Grades English/ESOL/Reading	62	2.6	3.0	3.0	3.0	1.0	3.0		53
Southeastern University									
English/ESOL	9	3.5	4.0	--	3.0	4.0	3.0		14
Elementary Education/ESOL/Reading	70	2.4	2.0	4.0	3.0	1.0	2.0		125
St. Petersburg College									
Middle Grades Mathematics	20	3.3	4.0	--	3.0	3.0	3.0		21
Mathematics	23	3.2	3.0	4.0	3.0	1.0	4.0	✓	35
Elementary Education/ESOL/Reading	50	2.8	4.0	3.0	3.0	1.0	3.0		493
University of Central Florida									
English/ESOL	13	3.4	3.0	4.0	3.0	2.0	4.0	✓	292
Mathematics	13	3.4	3.0	3.0	3.0	4.0	4.0		213
Reading	23	3.2	3.0	3.0	3.0	3.0	4.0		200
Middle Grades Mathematics	50	2.8	1.0	--	3.0	3.0	4.0		22
Elementary Education/ESOL/Reading	76	2.2	3.0	3.0	1.0	2.0	2.0		2,819
University of Florida									
Elementary Education/Exceptional Student Education/ESOL/Reading	23	3.2	3.0	3.0	3.0	2.0	4.0	✓	187
Elementary Education/ESOL/Reading	23	3.2	2.0	3.0	3.0	4.0	4.0		464
English/ESOL	50	2.8	2.0	3.0	3.0	2.0	4.0		80
University of North Florida									
English/ESOL	9	3.5	4.0	4.0	3.0	3.0	3.0	✓	64
Elementary Education/ESOL	13	3.4	3.0	3.0	3.0	4.0	4.0		846

Institution	Rank	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
Middle Grades Math/Middle Grades General Science	13	3.4	3.0	4.0	3.0	3.0	4.0		44
Mathematics	62	2.6	3.0	3.0	3.0	1.0	3.0		48
University of South Florida									
Mathematics	5	3.6	4.0	3.0	3.0	4.0	4.0		149
English/ESOL	13	3.4	3.0	3.0	3.0	3.0	4.0	✓	312
Middle Grades Mathematics	23	3.2	2.0	--	3.0	4.0	3.0	✓	48
Reading	37	3.0	3.0	3.0	3.0	2.0	4.0		178
Elementary Education/ESOL	62	2.6	4.0	3.0	3.0	1.0	2.0		1,638
University of South Florida – St. Petersburg									
Elementary Education/Exceptional Student Education/ESOL/Reading	37	3.0	4.0	4.0	3.0	2.0	2.0		449
Elementary Education/ESOL/Reading	37	3.0	4.0	3.0	3.0	2.0	3.0		50
Reading	50	2.8	2.0	3.0	3.0	3.0	3.0		58
University of West Florida									
Reading	3.2	2.0	4.0	3.0	2.0	4.0	✓	64	3.2
Elementary Education/Exceptional Student Education/ESOL/Reading	3.0	3.0	--	3.0	2.0	4.0		325	3.0
Elementary Education/ ESOL/Reading	2.4	2.0	3.0	3.0	2.0	2.0		267	2.4

Appendix E: APPR Summary Table Elementary Education Programs

Rank	Institution/Program	Undergrad/ Grad	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
1	**Florida A&M University** Elementary Education/ ESOL/Reading	U	3.6	4.0	4.0	3.0	4.0	3.0		165
2	**Florida A&M University** Elementary Education/ ESOL/Reading	U	3.6	4.0	4.0	3.0	4.0	3.0		165
2	**University of North Florida** Elementary Education/ESOL	U	3.4	3.0	3.0	3.0	4.0	4.0		846
4	**Florida Atlantic University** Elementary Education/ ESOL/Reading	U/G	3.2	3.0	3.0	3.0	4.0	3.0		1,826
4	**Florida Gulf Coast University** Elementary Education/ ESOL/Reading	U	3.2	3.0	4.0	3.0	3.0	3.0		555
4	**Florida Memorial University** Elementary Education/ESOL	U	3.2	4.0	4.0	3.0	2.0	3.0		43
4	**Saint Leo University** Elementary Education/ESOL/Reading	U	3.2	4.0	4.0	3.0	1.0	4.0		705
4	**University of Florida** Elementary Education/Exceptional Student Education/ESOL/Reading	G	3.2	3.0	3.0	3.0	2.0	4.0	✓	187
4	**University of Florida** Elementary Education/ESOL/Reading	Post-Bacc	3.2	2.0	3.0	3.0	4.0	4.0		464
10	**Barry University** Elementary Education/ESOL/Reading	U	3.0	2.0	4.0	3.0	3.0	3.0		70
10	**Florida College** Elementary Education/ESOL	U	3.0	2.0	--	3.0	3.0	4.0		48
10	**Florida Southern College** Elementary Education/ESOL	U	3.0	4.0	3.0	3.0	2.0	3.0		195

Rank	Institution/Program	Undergrad/ Grad	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
10	**Rollins College** Elementary Education/ESOL	U	3.0	2.0	3.0	3.0	3.0	4.0		77
10	**Stetson University** Elementary Education/ESOL	U	3.0	3.0	4.0	3.0	2.0	3.0		81
10	**University of South Florida Sarasota Manatee** Elementary Education/ESOL	U/G	3.0	3.0	4.0	3.0	2.0	3.0		356
10	**University of South Florida St. Petersburg** Elementary Education/Exceptional Student Education/ESOL/Reading	U	3.0	4.0	4.0	3.0	2.0	2.0		449
10	**University of South Florida St. Petersburg** Elementary Education/ESOL/Reading	G	3.0	4.0	3.0	3.0	2.0	3.0		50
10	**University of West Florida** Elementary Education/Exceptional Student Education/ESOL/Reading	U	3.0	3.0	--	3.0	2.0	4.0		325
19	**Flagler College** Elementary Education/Hearing Impaired/ESOL/Reading	U	2.8	3.0	4.0	3.0	1.0	3.0		57
19	**Florida International University** Elementary Education/ ESOL/Reading	U/G	2.8	2.0	4.0	3.0	2.0	3.0		978
19	**Lynn University** Elementary Education/ESOL/Reading	U	2.8	1.0	4.0	3.0	3.0	3.0		46
19	**Northwest Florida State College** Elementary Education/ ESOL/Reading	U	2.8	1.0	3.0	3.0	3.0	4.0		166
19	**St. Petersburg College** Elementary Education/ESOL/Reading	U	2.8	4.0	3.0	3.0	1.0	3.0		493
19	**University of Tampa** Elementary Education/ESOL/Reading	U	2.8	2.0	3.0	3.0	2.0	4.0		220

Rank	Institution/Program	Undergrad/ Grad	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
19	**Warner University** Elementary Education/ESOL	U	2.8	3.0	3.0	3.0	2.0	3.0		54
26	**Flagler College** Elementary Education/Exceptional Student Education/ESOL/Reading	U	2.6	2.0	3.0	3.0	2.0	3.0		247
26	**Flagler College** Elementary Education/ESOL/Reading	U	2.6	1.0	3.0	3.0	3.0	3.0		278
26	**Florida SouthWestern State College** Elementary Education/ESOL/Reading	U	2.6	4.0	4.0	1.0	2.0	2.0		472
26	**Florida State University** Elementary Education/ESOL/Reading	U	2.6	2.0	3.0	3.0	3.0	2.0		520
26	**Jacksonville University** Elementary Education/ ESOL/Reading	G	2.6	1.0	3.0	3.0	3.0	3.0		61
26	**University of South Florida** Elementary Education/ESOL	U/G	2.6	4.0	3.0	3.0	1.0	2.0		1,638
32	**Daytona State College** Elementary Education/ESOL/Reading	U	2.5	3.0	--	3.0	1.0	3.0		240
33	**Nova Southeastern University** Elementary Education/ ESOL/Reading	U	2.4	2.0	4.0	3.0	1.0	2.0		162
33	**Palm Beach Atlantic University** Elementary Education/ESOL	U	2.4	1.0	2.0	3.0	2.0	4.0		78
33	**Southeastern University** Elementary Education/ ESOL/Reading	U	2.4	2.0	4.0	3.0	1.0	2.0		125
33	**University of Miami** Elementary Education/Exceptional Student Education/ESOL/Reading	U	2.4	1.0	--	3.0	1.0	3.0	✓	56
33	**University of West Florida** Elementary Education/ESOL/Reading	U	2.4	2.0	3.0	3.0	2.0	2.0		267

Rank	Institution/Program	Undergrad/ Grad	Summative Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Number of Completers
38	**Bethune-Cookman University** Elementary Education/ESOL/Reading	U	2.3	4.0	--	1.0	1.0	3.0		40
39	**University of Central Florida** Elementary Education/ESOL/Reading	U/G	2.2	3.0	3.0	1.0	2.0	2.0		2,819

Appendix F: APPR Summary Table English and Reading Programs

Rank	Institution/ Program	Undergrad/Grad	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
1	**Florida Atlantic University** English/ESOL	U	3.7	4.0	4.0	3.0	4.0	3.0	✓	98
2	**Barry University** Reading	G	3.6	4.0	4.0	3.0	4.0	3.0		237
2	**Florida Memorial University** Reading/ESOL	G	3.6	4.0	--	3.0	3.0	4.0	✓	24
4	**Florida Atlantic University** Reading	G	3.5	3.0	3.0	3.0	4.0	4.0	✓	116
4	**Southeastern University** English/ESOL	U	3.5	4.0	--	3.0	4.0	3.0		14
4	**University of North Florida** English/ESOL	U	3.5	4.0	4.0	3.0	3.0	3.0	✓	64
7	**Saint Leo University** Reading	G	3.4	4.0	4.0	3.0	2.0	4.0		211
7	**University of Central Florida** English/ESOL	U/G	3.4	3.0	4.0	3.0	2.0	4.0	✓	292
7	**University of South Florida** English/ESOL	U/G	3.4	3.0	3.0	3.0	3.0	4.0	✓	312
10	**Chipola College** English/ESOL	U	3.3	4.0	--	3.0	3.0	3.0		18
11	**Flagler College** English/ESOL	U	3.2	1.0	--	3.0	4.0	4.0	✓	18
11	**Florida International University** Reading	G	3.2	3.0	4.0	3.0	2.0	4.0		227

Rank	Institution/ Program	Undergrad/Grad	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
11	**Nova Southeastern University** Reading	G	3.2	4.0	4.0	3.0	2.0	3.0		92
11	**University of Central Florida** Reading	G	3.2	3.0	3.0	3.0	3.0	4.0		200
11	**University of West Florida** Reading	G	3.2	2.0	4.0	3.0	2.0	4.0	✓	64
16	**Florida International University** English/ESOL	U	3.0	2.0	3.0	3.0	3.0	3.0	✓	30
16	**Florida State University** English/ESOL	U/G	3.0	2.0	4.0	3.0	2.0	3.0	✓	184
16	**University of South Florida** Reading	G	3.0	3.0	3.0	3.0	2.0	4.0		178
19	**University of Florida** English/ESOL	G	2.8	2.0	3.0	3.0	2.0	4.0		80
19	**University of South Florida St. Petersburg** Reading	G	2.8	2.0	3.0	3.0	3.0	3.0		58
21	**Saint Leo University** Middle Grades English/ESOL/Reading	U	2.6	3.0	3.0	3.0	1.0	3.0		53

Appendix G: APPR Summary Table Mathematics Programs

Rank	Institution/ Program	Undergrad/ Grad	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
1	**Florida Atlantic University** Mathematics	U	3.8	4.0	4.0	3.0	4.0	4.0		28
1	**Indian River State College** Middle Grades Mathematics	U	3.8	3.0	4.0	4.0	4.0	4.0		66
1	**Northwest Florida State College** Middle Grades Mathematics	U	3.8	4.0	--	3.0	4.0	4.0	✓	16
4	**University of South Florida** Mathematics	U	3.6	4.0	3.0	3.0	4.0	4.0		149
5	**Florida State University** Mathematics	U	3.5	2.0	4.0	3.0	4.0	4.0	✓	82
6	**University of Central Florida** Mathematics	U/G	3.4	3.0	3.0	3.0	4.0	4.0		213
6	**University of North Florida** Middle Grades Math/Middle Grades General Science	U	3.4	3.0	4.0	3.0	3.0	4.0		44
8	**Chipola College** Middle Grades Mathematics	U	3.3	4.0	--	3.0	3.0	3.0		10
8	**St. Petersburg College** Middle Grades Mathematics	U	3.3	4.0	--	3.0	3.0	3.0		21
10	**Miami Dade College** Mathematics	U	3.2	4.0	4.0	1.0	3.0	3.0	✓	55
10	**St. Petersburg College** Mathematics	U	3.2	3.0	4.0	3.0	1.0	4.0	✓	35
10	**University of South Florida** Middle Grades Mathematics	U	3.2	2.0	--	3.0	4.0	3.0	✓	48

Rank	Institution/ Program	Undergrad/ Grad	Summative Rating Score	Placement Score	Retention Score	Student Achievement Score	Student Achievement by Subgroup Score	Teacher Evaluation Score	Critical Teacher Shortage Area Bonus	Completers
13	**Broward College** Middle Grades Mathematics	U	3.0	4.0	--	3.0	2.0	3.0		14
14	**University of Central Florida** Middle Grades Mathematics	G	2.8	1.0	--	3.0	3.0	4.0		22
15	**University of North Florida** Mathematics	U	2.6	3.0	3.0	3.0	1.0	3.0		48
16	**Chipola College** Mathematics	U	2.5	--	3.0	3.0	3.0	1.0		16

Appendix H: Florida Teacher Certification Examinations
First Time Examinee Pass Rates
January 2015-December 2016

Pass Rates for Agriculture 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
College of Central Florida	1	100.0%	213.0
Florida State University	1	100.0%	215.0
University of Florida	11	100.0%	225.0
University of South Florida - Tampa	2	100.0%	215.5
American College of Education	1	100.0%	206.0
Nova Southeastern University	1	100.0%	216.0
Saint Leo University	3	66.7%	200.3
University of South Florida - St. Petersburg	1	0.0%	185.0
University of Central Florida	1	0.0%	196.0
PROGRAM TOTAL	**33**	**90.9%**	**216.8**
NON-PROGRAM TOTAL	**113**	**83.2%**	**215.8**
GRAND TOTAL	**146**	**84.9%**	**216.0**

Pass Rates for Art K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Daytona State College	2	100.0%	221.0
Florida SouthWestern State College	1	100.0%	216.0

Institution	Number of Examinees	Pass Rate	Mean Score
Florida State College at Jacksonville	1	100.0%	232.0
Northwest Florida State College	1	100.0%	202.0
St. Petersburg College	3	100.0%	220.7
University of South Florida - St. Petersburg	2	100.0%	230.5
University of South Florida - Sarasota Manatee	1	100.0%	204.0
University of West Florida	6	100.0%	218.7
Florida College	1	100.0%	219.0
Barry University	2	100.0%	221.5
Florida Southern College	4	100.0%	220.8
Flagler College	6	100.0%	212.7
Nova Southeastern University	3	100.0%	216.0
Palm Beach Atlantic University	3	100.0%	222.3
University of Central Florida	34	91.2%	216.6
Florida International University	13	84.6%	217.0
University of South Florida - Tampa	13	84.6%	210.1
Florida Atlantic University	6	83.3%	219.3
University of North Florida	11	81.8%	216.5
Florida Gulf Coast University	5	80.0%	210.8
Florida State University	4	75.0%	209.8
University of Florida	4	75.0%	211.0
Saint Leo University	3	66.7%	217.0
Florida A&M University	1	0.0%	189.0
PROGRAM TOTAL	**223**	**91.9%**	**218.7**

Institution	Number of Examinees	Pass Rate	Mean Score
NON-PROGRAM TOTAL	602	89.7%	219.6
GRAND TOTAL	825	90.3%	219.3

Pass Rates for Biology 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Southern Technical College	1	100.0%	218.0
Argosy University	1	100.0%	218.0
Florida Institute of Technology	3	100.0%	214.0
Palm Beach Atlantic University	1	100.0%	218.0
Rollins College	1	100.0%	218.0
Stetson University	1	100.0%	218.0
University of Miami	3	100.0%	227.0
University of Tampa	4	100.0%	221.3
Daytona State College	4	100.0%	217.5
Florida SouthWestern State College	1	100.0%	220.0
St. Petersburg College	3	100.0%	228.7
University of South Florida - St. Petersburg	1	100.0%	220.0
University of North Florida	8	100.0%	216.6
University of South Florida - Sarasota Manatee	1	100.0%	236.0
University of West Florida	5	100.0%	232.4
University of Florida	14	92.9%	223.9
Florida Atlantic University	21	85.7%	215.3
Florida International University	6	83.3%	216.3

Institution	Number of Examinees	Pass Rate	Mean Score
University of South Florida - Tampa	19	78.9%	217.3
Florida Gulf Coast University	9	77.8%	212.0
University of Central Florida	37	75.7%	211.7
Florida State University	12	75.0%	213.1
Indian River State College	7	71.4%	204.3
Flagler College	3	66.7%	201.7
Broward College	10	60.0%	207.4
Miami Dade College	5	60.0%	198.6
Barry University	2	50.0%	176.5
Bethune-Cookman University	3	33.3%	176.7
Chipola College	3	33.3%	202.0
Nova Southeastern University	5	20.0%	181.0
Saint Leo University	5	20.0%	195.2
Lynn University	1	0.0%	198.0
Southeastern University	2	0.0%	183.5
Florida Southern College	1	0.0%	194.0
Northwest Florida State College	1	0.0%	198.0
PROGRAM TOTAL	**402**	**76.6%**	**213.1**
NON-PROGRAM TOTAL	**792**	**70.2%**	**209.1**
GRAND TOTAL	**1,194**	**72.4%**	**210.5**

Pass Rates for Business Education 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Daytona State College	1	100.0%	200.0
Indian River State College	1	100.0%	221.0
Florida Gulf Coast University	1	100.0%	248.0
Florida International University	3	100.0%	222.7
University of North Florida	1	100.0%	214.0
American College of Education	3	100.0%	234.3
Southern Technical College	1	100.0%	221.0
Argosy University	1	100.0%	221.0
Barry University	1	100.0%	221.0
Jacksonville University	1	100.0%	209.0
Palm Beach Atlantic University	1	100.0%	221.0
Rollins College	1	100.0%	221.0
Stetson University	1	100.0%	221.0
Saint Leo University	2	100.0%	228.0
University of Miami	1	100.0%	221.0
University of Tampa	1	100.0%	221.0
Florida Atlantic University	8	87.5%	215.1
University of Central Florida	5	80.0%	215.2
Florida State University	3	66.7%	213.0
Florida SouthWestern State College	2	50.0%	203.0
Chipola College	2	50.0%	190.0
University of South Florida - Tampa	2	50.0%	209.5
Nova Southeastern University	6	50.0%	201.5

Institution	Number of Examinees	Pass Rate	Mean Score
University of West Florida	10	40.0%	204.3
University of South Florida - St. Petersburg	2	0.0%	189.5
PROGRAM TOTAL	**218**	**79.4%**	**216.1**
NON-PROGRAM TOTAL	**631**	**73.1%**	**213.3**
GRAND TOTAL	**849**	**74.7%**	**214.0**

Pass Rates for Chemistry 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Institute of Technology	2	100.0%	216.0
Nova Southeastern University	1	100.0%	216.0
Daytona State College	2	100.0%	210.0
Florida State University	9	77.8%	212.4
University of Central Florida	12	66.7%	210.3
University of West Florida	3	66.7%	189.0
Florida Atlantic University	4	50.0%	185.5
University of Florida	2	50.0%	190.5
University of South Florida - Tampa	4	50.0%	209.5
Miami Dade College	3	33.3%	184.3
Florida International University	3	33.3%	199.7
Lynn University	1	0.0%	174.0
American College of Education	1	0.0%	184.0
Saint Leo University	1	0.0%	161.0
St. Petersburg College	1	0.0%	161.0

Institution	Number of Examinees	Pass Rate	Mean Score
PROGRAM TOTAL	**123**	**62.6%**	**204.0**
NON-PROGRAM TOTAL	**296**	**69.3%**	**209.1**
GRAND TOTAL	**419**	**67.3%**	**207.6**

Pass Rates for Computer Science K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida SouthWestern State College	1	0.0%	167.0
Miami Dade College	1	0.0%	161.0
Florida State University	1	0.0%	189.0
Florida Atlantic University	1	0.0%	170.0
University of Central Florida	1	0.0%	194.0
PROGRAM TOTAL	**31**	**54.8%**	**197.2**
NON-PROGRAM TOTAL	**78**	**70.5%**	**205.6**
GRAND TOTAL	**109**	**66.1%**	**203.2**

Pass Rates for Drama 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Southern College	1	100.0%	202.0
Flagler College	1	100.0%	209.0
Nova Southeastern University	1	100.0%	208.0
University of Tampa	1	100.0%	205.0

Institution	Number of Examinees	Pass Rate	Mean Score
Florida State University	1	100.0%	222.0
Florida Atlantic University	3	100.0%	206.7
University of Central Florida	2	100.0%	215.5
University of North Florida	1	100.0%	209.0
St. Petersburg College	1	100.0%	214.0
University of South Florida - Tampa	5	80.0%	209.2
Southeastern University	2	50.0%	205.0
Florida Gulf Coast University	2	50.0%	199.0
University of South Florida - Sarasota Manatee	1	0.0%	195.0
PROGRAM TOTAL	**48**	**89.6%**	**219.3**
NON-PROGRAM TOTAL	**126**	**81.7%**	**214.6**
GRAND TOTAL	**174**	**83.9%**	**215.9**

Pass Rates for Earth-Space Science 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
American College of Education	1	100.0%	206.0
Southern Technical College	1	100.0%	230.0
Argosy University	1	100.0%	230.0
Nova Southeastern University	3	100.0%	208.7
Palm Beach Atlantic University	1	100.0%	230.0
Rollins College	1	100.0%	230.0
Stetson University	1	100.0%	230.0
University of Miami	1	100.0%	230.0

Institution	Number of Examinees	Pass Rate	Mean Score
Broward College	2	100.0%	222.0
Indian River State College	2	100.0%	227.0
Florida State University	4	100.0%	229.5
University of North Florida	1	100.0%	208.0
University of Florida	3	100.0%	219.3
University of Central Florida	13	84.6%	216.2
Florida Gulf Coast University	4	75.0%	222.3
Daytona State College	3	66.7%	211.7
Florida International University	5	60.0%	201.2
Florida Atlantic University	5	60.0%	213.2
University of West Florida	5	60.0%	198.2
University of South Florida - Tampa	7	57.1%	211.0
Barry University	2	50.0%	191.5
Florida Southern College	2	50.0%	214.5
University of Tampa	2	50.0%	204.5
Saint Leo University	5	40.0%	192.4
Southeastern University	3	33.3%	191.3
Flagler College	1	0.0%	152.0
Miami Dade College	2	0.0%	165.0
Chipola College	1	0.0%	195.0
PROGRAM TOTAL	**125**	**64.0%**	**208.3**
NON-PROGRAM TOTAL	**345**	**70.7%**	**210.4**
GRAND TOTAL	**470**	**68.9%**	**209.9**

Pass Rates for Educational Media Specialist PK-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida SouthWestern State College	2	100.0%	223.5
Indian River State College	1	100.0%	215.0
Florida Gulf Coast University	4	100.0%	215.3
University of Florida	6	100.0%	209.5
Florida Southern College	1	100.0%	206.0
Florida State University	13	92.3%	215.5
Nova Southeastern University	5	80.0%	204.0
Barry University	3	66.7%	204.7
Saint Leo University	9	66.7%	209.7
University of Central Florida	19	63.2%	203.6
University of South Florida - St. Petersburg	5	60.0%	201.8
University of South Florida - Tampa	10	60.0%	204.0
University of West Florida	7	57.1%	201.1
American College of Education	2	50.0%	201.5
Flagler College	4	50.0%	205.8
Florida Atlantic University	9	44.4%	199.6
Miami Dade College	1	0.0%	199.0
Chipola College	1	0.0%	184.0
University of North Florida	1	0.0%	199.0
PROGRAM TOTAL	**136**	**75.0%**	**208.4**
NON-PROGRAM TOTAL	**397**	**72.0%**	**206.8**
GRAND TOTAL	**533**	**72.8%**	**207.2**

Pass Rates for Elementary Education K-6 Subtest 1: Lang Arts and Reading

Institution	Number of Examinees	Pass Rate	Mean Score
Ave Maria University	9	88.9%	221.3
College of Central Florida	8	87.5%	215.0
Rollins College	55	85.5%	210.0
University of Florida	254	84.3%	213.2
University of Miami	61	83.6%	209.9
Warner University	19	78.9%	207.4
American College of Education	9	77.8%	208.0
Palm Beach Atlantic University	52	76.9%	207.4
Stetson University	71	76.1%	210.4
Florida State University	252	75.8%	209.1
Southeastern University	39	74.4%	208.6
Florida College	19	73.7%	201.7
Argosy University	22	72.7%	203.8
University of Central Florida	1,085	72.2%	207.0
Jacksonville University	10	70.0%	205.4
Florida Southern College	53	69.8%	207.9
University of South Florida - Tampa	553	69.6%	206.3
St. Johns River State College	16	68.8%	203.2
Indian River State College	106	67.9%	202.3
Barry University	40	67.5%	201.4
Broward College	69	66.7%	202.6

Institution	Number of Examinees	Pass Rate	Mean Score
University of Tampa	92	66.3%	204.9
Chipola College	40	65.0%	199.2
Northwest Florida State College	68	64.7%	205.6
Flagler College	121	63.6%	205.7
Southern Technical College	27	63.0%	200.4
Florida State College at Jacksonville	27	63.0%	200.4
St. Petersburg College	199	62.8%	203.1
University of South Florida - Sarasota Manatee	86	62.8%	202.9
Daytona State College	104	61.5%	203.3
University of South Florida - St. Petersburg	147	59.2%	202.2
South Florida State College	19	57.9%	199.2
University of North Florida	292	57.9%	201.5
Florida International University	283	56.9%	200.3
University of West Florida	229	56.3%	200.7
Lynn University	18	55.6%	193.7
Saint Leo University	172	52.9%	198.9
Florida SouthWestern State College	114	50.9%	199.1
Baptist College of Florida	6	50.0%	196.5
Florida A&M University	44	45.5%	193.7
Miami Dade College	105	44.8%	194.7
Florida Atlantic University	425	44.2%	194.6
Nova Southeastern University	80	43.8%	190.8
Florida Gulf Coast University	250	42.0%	192.5
Bethune-Cookman University	15	13.3%	182.3
National-Louis University	1	0.0%	161.0

Institution	Number of Examinees	Pass Rate	Mean Score
Keiser University	2	0.0%	197.0
Edward Waters College	7	0.0%	178.1
Florida Memorial University	4	0.0%	180.5
State College of Florida, Manatee-Sarasota	1	0.0%	194.0
PROGRAM TOTAL	**6,402**	**61.7%**	**202.6**
NON-PROGRAM TOTAL	**6,996**	**44.1%**	**192.5**
GRAND TOTAL	**13,398**	**52.5%**	**197.3**

Pass Rates for Elementary Education K-6 Subtest 2: Social Science

Institution	Number of Examinees	Pass Rate	Mean Score
Keiser University	2	100.0%	201.5
College of Central Florida	8	100.0%	218.5
State College of Florida, Manatee-Sarasota	1	100.0%	214.0
University of Florida	254	79.9%	214.0
Ave Maria University	9	77.8%	209.0
American College of Education	9	77.8%	210.8
Florida State University	252	71.0%	208.2
University of South Florida - St. Petersburg	147	66.0%	204.4
University of Miami	61	65.6%	205.6
Palm Beach Atlantic University	52	65.4%	203.5
Flagler College	121	64.5%	202.9
Rollins College	55	63.6%	206.2
Warner University	19	63.2%	202.0

Institution	Number of Examinees	Pass Rate	Mean Score
Chipola College	40	62.5%	199.7
Northwest Florida State College	68	61.8%	205.2
Stetson University	71	60.6%	205.5
Florida Southern College	53	60.4%	205.8
Jacksonville University	10	60.0%	204.1
Daytona State College	104	58.7%	204.3
University of South Florida - Tampa	553	57.7%	202.9
University of Central Florida	1,085	56.8%	202.1
University of West Florida	229	56.8%	201.9
St. Johns River State College	16	56.3%	200.1
St. Petersburg College	199	55.8%	201.3
Lynn University	18	55.6%	199.0
University of North Florida	292	55.1%	202.3
Florida State College at Jacksonville	27	51.9%	200.4
Broward College	69	50.7%	199.3
Miami Dade College	105	50.5%	197.6
Florida SouthWestern State College	114	50.0%	199.1
Florida Atlantic University	425	49.4%	196.8
Indian River State College	106	49.1%	197.8
Southeastern University	39	48.7%	203.2
University of South Florida - Sarasota Manatee	86	47.7%	198.2
Florida College	19	47.4%	198.9
Florida International University	283	47.3%	197.8
Florida Gulf Coast University	250	46.4%	194.8
Saint Leo University	172	45.9%	196.3

Institution	Number of Examinees	Pass Rate	Mean Score
Nova Southeastern University	80	43.8%	193.7
South Florida State College	19	42.1%	197.7
University of Tampa	92	41.3%	195.8
Argosy University	22	40.9%	193.5
Barry University	40	40.0%	194.1
Southern Technical College	27	37.0%	193.9
Baptist College of Florida	6	33.3%	178.2
Bethune-Cookman University	15	20.0%	183.1
Florida A&M University	44	18.2%	182.4
Edward Waters College	7	14.3%	187.0
National-Louis University	1	0.0%	139.0
Florida Memorial University	4	0.0%	177.3
PROGRAM TOTAL	**6,402**	**59.3%**	**203.4**
NON-PROGRAM TOTAL	**6,995**	**61.7%**	**204.2**
GRAND TOTAL	**13,397**	**60.5%**	**203.8**

Pass Rates for Elementary Education K-6 Subtest 3: Science

Institution	Number of Examinees	Pass Rate	Mean Score
Keiser University	2	100.0%	207.0
State College of Florida, Manatee-Sarasota	1	100.0%	210.0
College of Central Florida	8	87.5%	221.5
University of Florida	254	86.2%	218.4
University of Miami	61	82.0%	213.4

Institution	Number of Examinees	Pass Rate	Mean Score
Florida College	19	78.9%	206.1
Palm Beach Atlantic University	52	78.8%	211.9
Rollins College	55	78.2%	207.9
Ave Maria University	9	77.8%	215.6
Florida State University	252	77.0%	212.6
Stetson University	71	76.1%	211.8
Florida Southern College	53	75.5%	210.4
Florida State College at Jacksonville	27	74.1%	206.8
Warner University	19	73.7%	209.6
Daytona State College	104	73.1%	208.4
University of North Florida	292	72.3%	208.4
Northwest Florida State College	68	72.1%	210.1
University of South Florida - Tampa	553	68.7%	207.6
Argosy University	22	68.2%	205.7
Lynn University	18	66.7%	203.1
University of Central Florida	1,085	66.2%	205.6
Indian River State College	106	64.2%	204.7
University of West Florida	229	63.8%	204.4
Southern Technical College	27	63.0%	204.4
Flagler College	121	62.8%	204.8
St. Johns River State College	16	62.5%	203.0
University of Tampa	92	62.0%	202.9
University of South Florida - St. Petersburg	147	61.9%	204.8
Florida International University	283	59.4%	201.8
University of South Florida - Sarasota Manatee	86	59.3%	202.9

Institution	Number of Examinees	Pass Rate	Mean Score
St. Petersburg College	199	59.3%	203.3
Saint Leo University	172	57.6%	200.3
Barry University	40	57.5%	201.0
Florida SouthWestern State College	114	57.0%	201.8
Broward College	69	56.5%	200.1
Southeastern University	39	56.4%	205.0
American College of Education	9	55.6%	201.7
Florida Gulf Coast University	250	54.8%	200.1
Florida Atlantic University	425	53.2%	197.2
South Florida State College	19	52.6%	199.7
Chipola College	40	52.5%	199.5
Jacksonville University	10	50.0%	205.5
Nova Southeastern University	80	45.0%	190.9
Miami Dade College	105	43.8%	194.6
Baptist College of Florida	6	33.3%	187.8
Florida A&M University	44	31.8%	188.7
Florida Memorial University	4	25.0%	185.3
Edward Waters College	7	14.3%	175.4
Bethune-Cookman University	15	13.3%	179.6
National-Louis University	1	0.0%	151.0
PROGRAM TOTAL	**6,402**	**65.3%**	**205.8**
NON-PROGRAM TOTAL	**6,995**	**59.3%**	**202.0**
GRAND TOTAL	**13,397**	**62.2%**	**203.8**

Pass Rates for Elementary Education K-6 Subtest 4: Mathematics

Institution	Number of Examinees	Pass Rate	Mean Score
Keiser University	2	100.0%	207.0
University of Florida	254	90.6%	223.6
Ave Maria University	9	88.9%	215.9
Warner University	19	84.2%	215.1
Florida State University	252	79.8%	214.8
Southeastern University	39	76.9%	209.5
University of Miami	61	73.8%	217.2
Florida College	19	73.7%	206.0
University of North Florida	292	70.5%	208.2
Jacksonville University	10	70.0%	203.7
Daytona State College	104	69.2%	207.1
University of Central Florida	1,085	68.6%	208.2
University of South Florida - Tampa	553	67.6%	208.5
Stetson University	71	67.6%	209.0
Rollins College	55	65.5%	206.7
Palm Beach Atlantic University	52	65.4%	208.1
University of South Florida - Sarasota Manatee	86	64.0%	205.7
South Florida State College	19	63.2%	202.3
Barry University	40	62.5%	203.5
College of Central Florida	8	62.5%	209.3
Florida Southern College	53	62.3%	205.6
University of Tampa	92	59.8%	204.7
Argosy University	22	59.1%	205.1

Institution	Number of Examinees	Pass Rate	Mean Score
Northwest Florida State College	68	58.8%	203.6
Flagler College	121	57.9%	201.8
University of West Florida	229	57.6%	200.8
University of South Florida - St. Petersburg	147	57.1%	202.0
St. Petersburg College	199	56.8%	201.2
Indian River State College	106	56.6%	203.5
St. Johns River State College	16	56.3%	202.8
Florida State College at Jacksonville	27	55.6%	198.9
Florida SouthWestern State College	114	55.3%	199.4
Southern Technical College	27	51.9%	203.4
Florida Gulf Coast University	250	50.8%	198.1
Florida International University	283	50.5%	198.4
Baptist College of Florida	6	50.0%	196.5
Florida Atlantic University	425	49.9%	197.7
Saint Leo University	172	47.7%	196.4
Chipola College	40	47.5%	194.7
Nova Southeastern University	80	45.0%	190.4
American College of Education	9	44.4%	196.8
Broward College	69	43.5%	196.4
Miami Dade College	105	39.0%	192.9
Lynn University	18	38.9%	187.7
Florida A&M University	44	38.6%	188.5
Bethune-Cookman University	15	26.7%	182.1
Florida Memorial University	4	25.0%	180.3
Edward Waters College	7	14.3%	177.4

Institution	Number of Examinees	Pass Rate	Mean Score
National-Louis University	1	0.0%	118.0
State College of Florida, Manatee-Sarasota	1	0.0%	175.0
PROGRAM TOTAL	**6,402**	**62.7%**	**204.8**
NON-PROGRAM TOTAL	**6,996**	**51.0%**	**196.3**
GRAND TOTAL	**13,398**	**56.6%**	**200.4**

Pass Rates for English Middle Grades 5-9 Multiple-Choice Section

Institution	Number of Examinees	Pass Rate	Mean Score
National-Louis University	2	100.0%	210.5
Jacksonville University	1	100.0%	211.0
Stetson University	1	100.0%	211.0
University of Miami	1	100.0%	224.0
Warner University	1	100.0%	219.0
American College of Education	5	80.0%	205.2
Saint Leo University	21	61.9%	199.0
University of Florida	13	61.5%	204.6
Florida Gulf Coast University	15	46.7%	196.5
Florida SouthWestern State College	18	44.4%	196.1
University of North Florida	7	42.9%	189.9
University of West Florida	14	42.9%	194.3
University of South Florida - Tampa	19	42.1%	194.3
Florida Atlantic University	15	40.0%	193.5
University of South Florida - St. Petersburg	11	36.4%	192.2
Chipola College	3	33.3%	192.7
St. Petersburg College	10	30.0%	194.8
Nova Southeastern University	7	28.6%	184.7
Broward College	4	25.0%	185.3
University of Central Florida	12	25.0%	187.8
Florida International University	18	16.7%	179.7
Florida State University	6	16.7%	179.7
Lynn University	2	0.0%	177.5
Southeastern University	3	0.0%	191.3

Institution	Number of Examinees	Pass Rate	Mean Score
Barry University	4	0.0%	192.0
Bethune-Cookman University	1	0.0%	170.0
Florida Memorial University	1	0.0%	155.0
Flagler College	2	0.0%	185.0
Palm Beach Atlantic University	1	0.0%	174.0
Florida State College at Jacksonville	1	0.0%	194.0
Indian River State College	1	0.0%	187.0
Northwest Florida State College	1	0.0%	198.0
St. Johns River State College	1	0.0%	183.0
Miami Dade College	7	0.0%	173.6
Florida A&M University	1	0.0%	187.0
PROGRAM TOTAL	**325**	**35.7%**	**191.6**
NON-PROGRAM TOTAL	**788**	**32.9%**	**187.9**
GRAND TOTAL	**1,113**	**33.7%**	**189.0**

Pass Rates for English Middle Grades 5-9 Written Performance Section

Institution	Number of Examinees	Pass Rate	Mean Score
Bethune-Cookman University	1	100.0%	8.0
Jacksonville University	1	100.0%	8.0
Northwest Florida State College	1	100.0%	8.0
Chipola College	3	100.0%	8.3
Florida Gulf Coast University	15	66.7%	7.5
University of South Florida - St. Petersburg	11	63.6%	7.5
Saint Leo University	21	61.9%	7.1

Institution	Number of Examinees	Pass Rate	Mean Score
University of Florida	13	61.5%	7.5
Florida SouthWestern State College	18	61.1%	7.4
University of North Florida	7	57.1%	6.9
University of West Florida	14	57.1%	7.4
National-Louis University	2	50.0%	8.0
Broward College	4	50.0%	7.5
Florida Atlantic University	15	46.7%	6.9
University of Central Florida	12	41.7%	6.9
American College of Education	5	40.0%	7.0
University of South Florida - Tampa	19	36.8%	7.1
Florida International University	18	27.8%	6.4
Florida State University	6	16.7%	6.7
Miami Dade College	7	14.3%	6.0
Lynn University	2	0.0%	5.5
Southeastern University	3	0.0%	6.0
Barry University	4	0.0%	6.3
Florida Memorial University	1	0.0%	6.0
Flagler College	2	0.0%	4.5
Nova Southeastern University	7	0.0%	5.7
Palm Beach Atlantic University	1	0.0%	6.0
Stetson University	1	0.0%	6.0
University of Miami	1	0.0%	6.0
Warner University	1	0.0%	4.0
Florida State College at Jacksonville	1	0.0%	6.0
Indian River State College	1	0.0%	6.0
St. Johns River State College	1	0.0%	6.0

Institution	Number of Examinees	Pass Rate	Mean Score
St. Petersburg College	10	0.0%	6.0
Florida A&M University	1	0.0%	6.0
PROGRAM TOTAL	**326**	**43.3%**	**6.9**
NON-PROGRAM TOTAL	**788**	**38.5%**	**6.7**
GRAND TOTAL	**1,114**	**39.9%**	**6.8**

Pass Rates for English 6-12 Multiple-Choice Section

Institution	Number of Examinees	Pass Rate	Mean Score
Southeastern University	2	100.0%	212.5
Southern Technical College	1	100.0%	211.0
Argosy University	1	100.0%	211.0
Palm Beach Atlantic University	5	100.0%	216.0
Rollins College	2	100.0%	209.0
Stetson University	3	100.0%	208.0
University of Miami	1	100.0%	211.0
Warner University	1	100.0%	227.0
Indian River State College	2	100.0%	216.5
University of Florida	40	85.0%	213.6
University of South Florida - Tampa	141	63.8%	204.2
Florida State University	87	63.2%	205.8
University of Central Florida	152	55.9%	200.3
St. Petersburg College	9	55.6%	202.4
University of North Florida	46	54.3%	201.9
Barry University	6	50.0%	195.2

Institution	Number of Examinees	Pass Rate	Mean Score
St. Johns River State College	2	50.0%	201.0
Chipola College	8	50.0%	203.5
University of South Florida - Sarasota Manatee	2	50.0%	203.5
Florida International University	49	46.9%	195.8
Saint Leo University	24	45.8%	199.8
University of West Florida	20	45.0%	196.2
Florida Atlantic University	52	44.2%	198.2
American College of Education	5	40.0%	194.8
Flagler College	8	37.5%	196.1
Broward College	8	37.5%	191.6
Miami Dade College	14	35.7%	190.6
Florida Gulf Coast University	31	35.5%	196.2
Florida Southern College	3	33.3%	196.7
University of Tampa	6	33.3%	197.2
University of South Florida - St. Petersburg	6	33.3%	196.7
Nova Southeastern University	30	30.0%	192.0
Florida SouthWestern State College	14	28.6%	196.3
Lynn University	4	25.0%	192.8
Bethune-Cookman University	4	25.0%	190.3
National-Louis University	1	0.0%	189.0
Florida Memorial University	4	0.0%	174.3
Daytona State College	2	0.0%	184.5
Northwest Florida State College	1	0.0%	173.0
Florida A&M University	6	0.0%	178.3
PROGRAM TOTAL	**1,178**	**58.7%**	**202.6**

Institution	Number of Examinees	Pass Rate	Mean Score
NON-PROGRAM TOTAL	**2,187**	**52.6%**	**198.3**
GRAND TOTAL	**3,365**	**54.7%**	**199.8**

Pass Rates for English 6-12 Written Performance Section

Institution	Number of Examinees	Pass Rate	Mean Score
Southeastern University	2	100.0%	8.5
Southern Technical College	1	100.0%	10.0
Argosy University	1	100.0%	10.0
Palm Beach Atlantic University	5	100.0%	10.0
Rollins College	2	100.0%	10.5
Stetson University	3	100.0%	10.0
University of Miami	1	100.0%	10.0
University of Tampa	6	100.0%	9.0
Warner University	1	100.0%	10.0
St. Johns River State College	2	100.0%	8.0
University of Florida	40	90.0%	9.0
Florida State University	87	75.9%	8.3
Florida Memorial University	4	75.0%	7.8
University of South Florida - Tampa	141	68.8%	7.9
Florida Atlantic University	52	63.5%	7.7
Flagler College	8	62.5%	7.5
University of Central Florida	152	59.2%	7.8
Florida Gulf Coast University	31	58.1%	7.7
Florida International University	49	57.1%	7.7

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	4	50.0%	7.8
Nova Southeastern University	30	50.0%	7.2
Florida SouthWestern State College	14	50.0%	7.4
Indian River State College	2	50.0%	8.5
University of North Florida	46	50.0%	7.8
Saint Leo University	24	45.8%	7.5
Chipola College	8	37.5%	6.5
Miami Dade College	14	35.7%	6.9
University of West Florida	20	35.0%	6.6
Barry University	6	33.3%	7.2
Florida Southern College	3	33.3%	7.3
St. Petersburg College	9	33.3%	6.8
University of South Florida - St. Petersburg	6	33.3%	6.3
Florida A&M University	6	33.3%	6.3
Bethune-Cookman University	4	25.0%	6.5
American College of Education	5	20.0%	6.4
Broward College	8	12.5%	6.1
National-Louis University	1	0.0%	2.0
Daytona State College	2	0.0%	6.0
Northwest Florida State College	1	0.0%	6.0
University of South Florida - Sarasota Manatee	2	0.0%	6.0
PROGRAM TOTAL	**1,178**	**64.4%**	**7.9**
NON-PROGRAM TOTAL	**2,186**	**60.4%**	**7.7**
GRAND TOTAL	**3,364**	**61.8%**	**7.8**

Pass Rates for English to Speakers of Other Languages (ESOL) K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	1	100.0%	203.0
Southern Technical College	1	100.0%	206.0
Argosy University	2	100.0%	203.0
Flagler College	1	100.0%	206.0
Palm Beach Atlantic University	3	100.0%	217.3
Rollins College	1	100.0%	206.0
Stetson University	2	100.0%	215.5
University of Tampa	1	100.0%	206.0
St. Johns River State College	1	100.0%	202.0
Florida State University	7	100.0%	220.9
University of South Florida - Sarasota Manatee	1	100.0%	219.0
University of West Florida	10	90.0%	208.5
University of South Florida - St. Petersburg	10	80.0%	207.1
University of Florida	9	77.8%	209.1
National-Louis University	4	75.0%	203.5
American College of Education	6	66.7%	197.7
University of Miami	3	66.7%	188.7
Indian River State College	3	66.7%	201.3
Florida Atlantic University	8	62.5%	204.6
University of South Florida - Tampa	22	54.5%	203.6
Southeastern University	2	50.0%	199.5
University of Central Florida	21	47.6%	197.4
Saint Leo University	9	44.4%	201.3

Institution	Number of Examinees	Pass Rate	Mean Score
Barry University	5	40.0%	193.0
Nova Southeastern University	20	35.0%	196.3
Florida International University	12	33.3%	187.7
University of North Florida	7	28.6%	199.7
Miami Dade College	4	25.0%	187.8
Florida Memorial University	1	0.0%	177.0
Florida Gulf Coast University	4	0.0%	184.8
Florida A&M University	2	0.0%	184.0
PROGRAM TOTAL	**512**	**61.1%**	**203.5**
NON-PROGRAM TOTAL	**1,414**	**55.2%**	**199.4**
GRAND TOTAL	**1,926**	**56.8%**	**200.5**

Pass Rates for Exceptional Student Education K-12

Institution	Number of Examinees	Pass Rate	Mean Score
National-Louis University	5	100.0%	222.2
Florida Memorial University	2	100.0%	204.0
Jacksonville University	3	100.0%	227.0
Warner University	4	100.0%	219.3
College of Central Florida	1	100.0%	228.0
Florida SouthWestern State College	16	100.0%	222.9
Northwest Florida State College	6	100.0%	220.8
St. Johns River State College	2	100.0%	237.0
University of South Florida - Sarasota Manatee	11	100.0%	230.6

Institution	Number of Examinees	Pass Rate	Mean Score
University of Florida	96	99.0%	232.3
Flagler College	92	97.8%	224.5
University of North Florida	84	96.4%	224.6
Florida State University	104	96.2%	229.5
University of Central Florida	178	95.5%	226.1
Florida International University	81	95.1%	219.7
University of South Florida - St. Petersburg	140	95.0%	223.9
University of West Florida	212	94.8%	225.4
St. Petersburg College	91	94.5%	225.7
American College of Education	18	94.4%	224.4
University of South Florida - Tampa	160	94.4%	225.8
University of Miami	47	93.6%	226.8
Broward College	138	93.5%	220.7
Daytona State College	27	92.6%	224.0
Florida Atlantic University	133	91.0%	221.0
Chipola College	11	90.9%	214.4
Saint Leo University	75	90.7%	222.1
Palm Beach Atlantic University	19	89.5%	222.4
Indian River State College	66	89.4%	223.7
Nova Southeastern University	66	87.9%	223.0
Stetson University	16	87.5%	223.9
Florida Gulf Coast University	80	87.5%	220.0
Southeastern University	14	85.7%	226.8
Barry University	28	85.7%	221.2
Florida Southern College	6	83.3%	211.2

Institution	Number of Examinees	Pass Rate	Mean Score
Rollins College	11	81.8%	220.0
Miami Dade College	147	81.6%	212.2
Southern Technical College	10	80.0%	212.5
Argosy University	10	80.0%	216.7
Bethune-Cookman University	12	75.0%	204.9
University of Tampa	12	75.0%	214.3
Florida A&M University	8	75.0%	218.6
Florida State College at Jacksonville	10	70.0%	212.6
Lynn University	6	66.7%	214.0
PROGRAM TOTAL	**2,537**	**92.7%**	**223.0**
NON-PROGRAM TOTAL	**4,379**	**82.8%**	**217.8**
GRAND TOTAL	**6,916**	**86.4%**	**219.7**

Pass Rates for Family and Consumer Science 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Indian River State College	1	100.0%	220.0
University of South Florida - St. Petersburg	1	100.0%	217.0
Florida State University	2	100.0%	213.0
Florida Atlantic University	1	100.0%	200.0
University of Central Florida	5	100.0%	208.4
University of North Florida	2	100.0%	214.5
University of South Florida - Sarasota Manatee	1	100.0%	224.0
American College of Education	1	100.0%	220.0

Institution	Number of Examinees	Pass Rate	Mean Score
Flagler College	1	100.0%	203.0
Nova Southeastern University	4	75.0%	207.0
University of South Florida - Tampa	5	60.0%	207.6
University of Florida	2	50.0%	204.0
Daytona State College	1	0.0%	199.0
Miami Dade College	1	0.0%	193.0
Florida International University	2	0.0%	184.0
PROGRAM TOTAL	**53**	**73.6%**	**207.8**
NON-PROGRAM TOTAL	**213**	**72.3%**	**206.7**
GRAND TOTAL	**266**	**72.6%**	**206.9**

Pass Rates for French K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida International University	2	100.0%	251.0
Florida Atlantic University	1	100.0%	241.0
University of Central Florida	2	100.0%	241.0
Indian River State College	3	66.7%	195.7
University of South Florida - Tampa	3	66.7%	232.7
University of Florida	1	0.0%	189.0
Saint Leo University	1	0.0%	178.0
PROGRAM TOTAL	**25**	**68.0%**	**220.0**
NON-PROGRAM TOTAL	**105**	**79.0%**	**227.8**
GRAND TOTAL	**130**	**76.9%**	**226.3**

Pass Rates for General Science Middle Grades 5-9

Institution	Number of Examinees	Pass Rate	Mean Score
Southern Technical College	1	100.0%	230.0
Argosy University	1	100.0%	230.0
Palm Beach Atlantic University	1	100.0%	230.0
Stetson University	1	100.0%	230.0
University of Miami	1	100.0%	230.0
University of Tampa	1	100.0%	230.0
Warner University	1	100.0%	218.0
Daytona State College	2	100.0%	227.5
Chipola College	1	100.0%	207.0
Florida Gulf Coast University	9	77.8%	209.7
University of South Florida - Tampa	36	72.2%	211.2
University of Central Florida	26	69.2%	208.7
Southeastern University	3	66.7%	211.3
Barry University	3	66.7%	220.7
University of Florida	12	66.7%	200.8
Florida SouthWestern State College	8	62.5%	203.4
St. Petersburg College	13	61.5%	204.4
University of West Florida	9	55.6%	204.2
Northwest Florida State College	4	50.0%	201.8
Florida State University	12	50.0%	198.1
Florida Atlantic University	18	50.0%	199.3
University of North Florida	14	50.0%	201.3

Institution	Number of Examinees	Pass Rate	Mean Score
Broward College	11	45.5%	192.0
Florida International University	7	42.9%	198.1
Flagler College	3	33.3%	184.7
University of South Florida - St. Petersburg	3	33.3%	193.0
Indian River State College	16	31.3%	195.9
Nova Southeastern University	17	29.4%	185.4
Miami Dade College	10	20.0%	176.9
Saint Leo University	8	12.5%	179.5
Lynn University	1	0.0%	169.0
American College of Education	2	0.0%	163.0
Florida A&M University	1	0.0%	143.0
University of South Florida - Sarasota Manatee	1	0.0%	188.0
PROGRAM TOTAL	**417**	**54.9%**	**200.9**
NON-PROGRAM TOTAL	**994**	**53.7%**	**199.0**
GRAND TOTAL	**1,411**	**54.1%**	**199.6**

Pass Rates for German K-12 Interview

Institution	Number of Examinees	Pass Rate	Mean Score
University of South Florida - St. Petersburg	1	100.0%	1.0
University of Central Florida	2	50.0%	1.5
PROGRAM TOTAL	**5**	**60.0%**	**1.4**
NON-PROGRAM TOTAL	**18**	**88.9%**	**1.1**
GRAND TOTAL	**23**	**82.6%**	**1.2**

Pass Rates for German K-12 Written

Institution	Number of Examinees	Pass Rate	Mean Score
University of South Florida - St. Petersburg	1	100.0%	243.0
University of Central Florida	2	50.0%	209.0
PROGRAM TOTAL	**5**	**60.0%**	**210.8**
NON-PROGRAM TOTAL	**17**	**70.6%**	**219.0**
GRAND TOTAL	**22**	**68.2%**	**217.1**

Pass Rates for Guidance and Counseling PK-12

Institution	Number of Examinees	Pass Rate	Mean Score
Indian River State College	1	100.0%	226.0
St. Petersburg College	1	100.0%	235.0
Miami Dade College	3	100.0%	221.3
Chipola College	1	100.0%	228.0
Florida Gulf Coast University	11	100.0%	234.7
University of South Florida - St. Petersburg	1	100.0%	232.0
Florida State University	5	100.0%	230.8
University of Central Florida	46	100.0%	234.4
University of Florida	17	100.0%	233.9
University of South Florida - Tampa	46	100.0%	234.0
University of South Florida - Sarasota Manatee	1	100.0%	234.0
Southern Technical College	1	100.0%	226.0

Institution	Number of Examinees	Pass Rate	Mean Score
Argosy University	4	100.0%	225.0
Bethune-Cookman University	1	100.0%	226.0
Edward Waters College	1	100.0%	221.0
Flagler College	1	100.0%	223.0
Palm Beach Atlantic University	1	100.0%	226.0
Rollins College	1	100.0%	226.0
Stetson University	2	100.0%	236.0
Saint Leo University	3	100.0%	227.3
University of Miami	1	100.0%	226.0
University of Tampa	1	100.0%	226.0
Florida Atlantic University	34	97.1%	225.4
University of North Florida	55	94.5%	223.1
Barry University	11	90.9%	222.3
Nova Southeastern University	38	89.5%	221.8
Florida A&M University	8	87.5%	216.5
Florida International University	14	85.7%	222.5
University of West Florida	1	0.0%	198.0
PROGRAM TOTAL	**313**	**95.8%**	**227.3**
NON-PROGRAM TOTAL	**406**	**94.1%**	**222.1**
GRAND TOTAL	**719**	**94.9%**	**224.4**

Pass Rates for Health K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida State University	1	100.0%	218.0
Saint Leo University	5	60.0%	200.4
University of West Florida	7	57.1%	199.0
University of Florida	2	50.0%	203.5
University of Central Florida	7	42.9%	198.3
University of South Florida - Tampa	6	33.3%	189.7
University of North Florida	5	20.0%	182.2
Florida State College at Jacksonville	1	0.0%	189.0
St. Petersburg College	1	0.0%	198.0
American College of Education	1	0.0%	176.0
Barry University	1	0.0%	143.0
Jacksonville University	2	0.0%	189.0
Nova Southeastern University	3	0.0%	195.3
University of Tampa	2	0.0%	189.0
Florida International University	1	0.0%	197.0
Florida A&M University	2	0.0%	164.5
University of South Florida - Sarasota Manatee	1	0.0%	195.0
PROGRAM TOTAL	**112**	**45.5%**	**196.4**
NON-PROGRAM TOTAL	**372**	**46.2%**	**194.9**
GRAND TOTAL	**484**	**46.1%**	**195.2**

Pass Rates for Hearing Impaired K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Gulf Coast University	1	100.0%	206.0
Florida Atlantic University	1	100.0%	205.0
University of Central Florida	2	100.0%	222.5
University of South Florida - Tampa	1	100.0%	222.0
Miami Dade College	1	100.0%	203.0
Florida Southern College	1	100.0%	220.0
Flagler College	18	100.0%	217.9
Nova Southeastern University	1	100.0%	203.0
University of North Florida	11	90.9%	215.8
PROGRAM TOTAL	**41**	**97.6%**	**216.4**
NON-PROGRAM TOTAL	**86**	**86.0%**	**212.8**
GRAND TOTAL	**127**	**89.8%**	**213.9**

Pass Rates for Humanities K-12

Institution	Number of Examinees	Pass Rate	Mean Score
University of Florida	1	100.0%	210.0
Saint Leo University	1	100.0%	238.0
University of Central Florida	1	0.0%	160.0
PROGRAM TOTAL	**15**	**80.0%**	**207.1**
NON-PROGRAM TOTAL	**35**	**54.3%**	**206.1**
GRAND TOTAL	**50**	**62.0%**	**206.4**

Pass Rates for Journalism 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Indian River State College	1	100.0%	220.0
Florida Gulf Coast University	1	100.0%	220.0
Florida Atlantic University	1	100.0%	231.0
University of Florida	1	100.0%	228.0
University of West Florida	1	100.0%	223.0
Nova Southeastern University	1	100.0%	218.0
Saint Leo University	1	100.0%	228.0
University of Miami	1	100.0%	221.0
University of Central Florida	1	0.0%	195.0
PROGRAM TOTAL	27	96.3%	229.3
NON-PROGRAM TOTAL	60	100.0%	226.1
GRAND TOTAL	87	98.9%	227.1

Pass Rates for Latin K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida State University	1	0.0%	182.0
PROGRAM TOTAL	6	50.0%	206.7
NON-PROGRAM TOTAL	24	62.5%	215.6
GRAND TOTAL	30	60.0%	213.8

Pass Rates for Marketing 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Gulf Coast University	1	100.0%	213.0
University of South Florida - Tampa	1	100.0%	230.0
University of West Florida	1	100.0%	220.0
Florida International University	1	0.0%	193.0
American College of Education	1	0.0%	184.0
Saint Leo University	1	0.0%	197.0
PROGRAM TOTAL	**15**	**66.7%**	**212.5**
NON-PROGRAM TOTAL	**52**	**59.6%**	**202.8**
GRAND TOTAL	**67**	**61.2%**	**205.0**

Pass Rates for Mathematics Middle Grades 5-9

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Institute of Technology	1	100.0%	224.0
Warner University	1	100.0%	231.0
College of Central Florida	1	100.0%	236.0
University of South Florida - St. Petersburg	5	100.0%	219.8
Florida SouthWestern State College	8	87.5%	213.6
University of Florida	11	81.8%	210.2
Northwest Florida State College	10	80.0%	210.7
University of South Florida - Tampa	62	69.4%	207.5

Institution	Number of Examinees	Pass Rate	Mean Score
University of South Florida - Sarasota Manatee	3	66.7%	200.7
University of Central Florida	48	60.4%	203.6
Flagler College	5	60.0%	202.2
University of North Florida	17	58.8%	197.6
Indian River State College	28	57.1%	201.7
Florida State University	17	52.9%	201.8
Chipola College	4	50.0%	188.0
University of West Florida	27	48.1%	198.0
Florida Atlantic University	21	47.6%	196.2
Florida International University	20	45.0%	193.0
American College of Education	7	42.9%	199.6
Nova Southeastern University	21	42.9%	188.2
Broward College	19	42.1%	199.1
Miami Dade College	12	41.7%	196.7
St. Petersburg College	25	40.0%	194.2
Saint Leo University	29	37.9%	192.5
Barry University	11	36.4%	189.4
Florida Gulf Coast University	22	36.4%	190.9
Southeastern University	6	33.3%	188.3
University of Tampa	3	33.3%	177.7
Palm Beach Atlantic University	4	25.0%	179.8
Stetson University	4	25.0%	180.3
Daytona State College	5	20.0%	191.0
Florida Southern College	6	16.7%	180.8
Lynn University	1	0.0%	190.0

Institution	Number of Examinees	Pass Rate	Mean Score
National-Louis University	2	0.0%	183.0
Southern Technical College	2	0.0%	160.5
Argosy University	2	0.0%	160.5
Bethune-Cookman University	2	0.0%	178.5
Rollins College	2	0.0%	160.5
University of Miami	2	0.0%	160.5
St. Johns River State College	1	0.0%	162.0
Florida A&M University	2	0.0%	164.0
PROGRAM TOTAL	**693**	**54.0%**	**199.7**
NON-PROGRAM TOTAL	**2,065**	**49.4%**	**195.4**
GRAND TOTAL	**2,758**	**50.5%**	**196.5**

Pass Rate for Mathematics 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
American College of Education	2	100.0%	208.0
Southern Technical College	3	100.0%	240.0
Argosy University	3	100.0%	240.0
Florida Institute of Technology	4	100.0%	229.0
Palm Beach Atlantic University	4	100.0%	230.0
Rollins College	4	100.0%	237.8
Stetson University	3	100.0%	240.0
University of Miami	5	100.0%	232.8
University of Tampa	5	100.0%	225.6

Institution	Number of Examinees	Pass Rate	Mean Score
Northwest Florida State College	2	100.0%	237.5
Florida State University	31	87.1%	220.3
Florida International University	13	84.6%	219.8
Barry University	6	83.3%	221.3
University of Florida	12	83.3%	224.9
University of North Florida	25	72.0%	211.2
University of Central Florida	74	71.6%	212.4
St. Petersburg College	16	68.8%	207.8
Flagler College	3	66.7%	213.7
University of South Florida - Tampa	66	63.6%	211.7
Florida SouthWestern State College	8	62.5%	194.5
Indian River State College	17	58.8%	208.1
Daytona State College	11	54.5%	195.7
Miami Dade College	19	52.6%	197.2
Nova Southeastern University	8	50.0%	184.9
University of South Florida - St. Petersburg	2	50.0%	183.5
Florida Atlantic University	23	47.8%	192.8
Florida Gulf Coast University	21	47.6%	200.8
University of West Florida	11	45.5%	196.2
Southeastern University	5	40.0%	184.2
Florida Southern College	5	40.0%	167.4
Chipola College	5	40.0%	203.2
Broward College	16	31.3%	182.5
Saint Leo University	9	22.2%	175.0
Lynn University	1	0.0%	164.0

Institution	Number of Examinees	Pass Rate	Mean Score
National-Louis University	1	0.0%	156.0
Bethune-Cookman University	1	0.0%	135.0
Florida Memorial University	1	0.0%	124.0
Florida A&M University	3	0.0%	180.0
University of South Florida - Sarasota Manatee	1	0.0%	184.0
PROGRAM TOTAL	**599**	**61.9%**	**204.3**
NON-PROGRAM TOTAL	**1,241**	**50.7%**	**198.4**
GRAND TOTAL	**1,840**	**54.3%**	**200.3**

Pass Rates for Music K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Southeastern University	4	100.0%	227.3
Southern Technical College	2	100.0%	218.5
Argosy University	2	100.0%	218.5
Barry University	2	100.0%	218.5
Florida Southern College	10	100.0%	227.9
Nova Southeastern University	1	100.0%	233.0
Rollins College	8	100.0%	218.9
Stetson University	17	100.0%	227.2
Saint Leo University	3	100.0%	222.7
University of Miami	12	100.0%	229.0
University of Tampa	5	100.0%	224.0
Florida SouthWestern State College	1	100.0%	226.0

Institution	Number of Examinees	Pass Rate	Mean Score
Indian River State College	2	100.0%	218.5
Northwest Florida State College	1	100.0%	213.0
Florida Gulf Coast University	10	100.0%	224.2
University of Florida	25	100.0%	229.8
Florida State University	61	98.4%	229.5
University of South Florida - Tampa	39	97.4%	228.8
University of Central Florida	32	93.8%	225.1
University of North Florida	11	90.9%	223.5
Palm Beach Atlantic University	9	88.9%	223.1
Florida International University	8	87.5%	217.6
University of West Florida	13	84.6%	214.4
Bethune-Cookman University	6	83.3%	212.5
Florida Atlantic University	5	80.0%	213.4
Florida A&M University	11	63.6%	205.8
Florida Memorial University	1	0.0%	158.0
St. Petersburg College	1	0.0%	198.0
PROGRAM TOTAL	**319**	**92.8%**	**224.0**
NON-PROGRAM TOTAL	**380**	**83.4%**	**218.5**
GRAND TOTAL	**699**	**87.7%**	**221.0**

Pass Rates for Physical Education K-12

Institution	Number of Examinees	Pass Rate	Mean Score
American College of Education	2	100.0%	214.0

Institution	Number of Examinees	Pass Rate	Mean Score
National-Louis University	1	100.0%	201.0
Florida Southern College	2	100.0%	210.0
Jacksonville University	1	100.0%	212.0
Rollins College	2	100.0%	211.5
Broward College	1	100.0%	201.0
University of Florida	3	100.0%	210.3
University of South Florida - Sarasota Manatee	1	100.0%	216.0
University of South Florida - Tampa	40	82.5%	208.5
University of Miami	5	80.0%	206.6
Palm Beach Atlantic University	9	77.8%	206.2
Stetson University	4	75.0%	210.8
Indian River State College	4	75.0%	204.8
Southern Technical College	3	66.7%	206.3
Argosy University	3	66.7%	206.3
Barry University	3	66.7%	206.3
Warner University	3	66.7%	206.3
Florida A&M University	3	66.7%	208.7
University of Central Florida	19	63.2%	205.8
University of South Florida - St. Petersburg	5	60.0%	205.8
University of West Florida	22	59.1%	203.0
Flagler College	7	57.1%	201.4
Florida Gulf Coast University	7	57.1%	200.4
University of Tampa	11	54.5%	201.7
Daytona State College	4	50.0%	197.0
Florida State College at Jacksonville	2	50.0%	197.0

Institution	Number of Examinees	Pass Rate	Mean Score
Chipola College	2	50.0%	189.0
Florida Atlantic University	10	50.0%	197.7
University of North Florida	12	50.0%	203.0
St. Petersburg College	11	45.5%	200.2
Florida State University	15	40.0%	196.9
Bethune-Cookman University	3	33.3%	194.7
Florida Memorial University	3	33.3%	186.3
Nova Southeastern University	6	33.3%	195.2
Saint Leo University	6	33.3%	195.8
Florida International University	11	27.3%	188.3
Lynn University	1	0.0%	194.0
Southeastern University	1	0.0%	194.0
Miami Dade College	2	0.0%	193.0
PROGRAM TOTAL	373	61.7%	202.2
NON-PROGRAM TOTAL	1,345	45.1%	193.2
GRAND TOTAL	1,718	48.7%	195.2

Pass Rates for Physics 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida International University	3	66.7%	204.3
University of South Florida - Tampa	6	50.0%	204.7
Florida Institute of Technology	2	50.0%	202.5
University of Central Florida	8	37.5%	199.6

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Gulf Coast University	1	0.0%	167.0
Florida Atlantic University	3	0.0%	169.3
PROGRAM TOTAL	**57**	**47.4%**	**203.9**
NON-PROGRAM TOTAL	**122**	**50.0%**	**199.1**
GRAND TOTAL	**179**	**49.2%**	**200.7**

Pass Rates for Pre-K to 3 Subtest 1: Developmental Knowledge

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	1	100.0%	220.0
Southeastern University	1	100.0%	200.0
National-Louis University	1	100.0%	239.0
Argosy University	2	100.0%	254.0
Edward Waters College	2	100.0%	219.5
Jacksonville University	1	100.0%	230.0
Rollins College	4	100.0%	235.3
Stetson University	2	100.0%	254.0
University of Miami	6	100.0%	233.2
University of Tampa	4	100.0%	242.5
Warner University	1	100.0%	223.0
Daytona State College	1	100.0%	210.0
Florida SouthWestern State College	1	100.0%	239.0
State College of Florida, Manatee-Sarasota	1	100.0%	223.0
Northwest Florida State College	4	100.0%	222.3

Institution	Number of Examinees	Pass Rate	Mean Score
Chipola College	2	100.0%	219.5
University of Florida	41	100.0%	240.2
University of South Florida - Sarasota Manatee	2	100.0%	221.0
College of Central Florida	25	96.0%	228.7
St. Petersburg College	41	95.1%	229.7
University of Central Florida	164	93.3%	226.6
Miami Dade College	89	92.1%	220.9
University of South Florida - Tampa	87	92.0%	225.8
University of North Florida	56	91.1%	222.4
University of West Florida	20	90.0%	227.9
Flagler College	9	88.9%	222.9
Indian River State College	9	88.9%	230.1
Florida International University	71	88.7%	221.2
Florida State University	69	87.0%	224.1
Broward College	15	86.7%	222.5
Palm Beach Atlantic University	7	85.7%	226.3
Saint Leo University	20	85.0%	216.1
St. Johns River State College	52	82.7%	217.9
Barry University	5	80.0%	218.2
Florida State College at Jacksonville	81	77.8%	218.3
University of South Florida - St. Petersburg	9	77.8%	226.1
Florida Atlantic University	39	76.9%	207.6
Florida Gulf Coast University	39	74.4%	213.2
Florida A&M University	15	73.3%	205.3
Southern Technical College	7	71.4%	216.7

Institution	Number of Examinees	Pass Rate	Mean Score
Nova Southeastern University	21	71.4%	211.8
Bethune-Cookman University	3	66.7%	196.7
Florida Southern College	3	66.7%	218.7
Florida Memorial University	4	50.0%	202.3
American College of Education	1	0.0%	180.0
PROGRAM TOTAL	**1,193**	**84.2%**	**219.6**
NON-PROGRAM TOTAL	**2,804**	**66.5%**	**208.7**
GRAND TOTAL	**3,997**	**71.8%**	**211.9**

Pass Rates for Pre-K to 3 Subtest 2: Language Arts and Reading

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	1	100.0%	221.0
National-Louis University	1	100.0%	227.0
Argosy University	2	100.0%	210.5
Edward Waters College	2	100.0%	213.5
Florida Southern College	3	100.0%	217.3
Jacksonville University	1	100.0%	224.0
Stetson University	2	100.0%	210.5
University of Tampa	4	100.0%	218.3
Warner University	1	100.0%	209.0
Daytona State College	1	100.0%	203.0
Florida SouthWestern State College	1	100.0%	209.0
State College of Florida, Manatee-Sarasota	1	100.0%	212.0

Institution	Number of Examinees	Pass Rate	Mean Score
Chipola College	2	100.0%	219.5
St. Petersburg College	41	90.2%	213.9
University of Florida	41	90.2%	224.6
Flagler College	9	88.9%	209.9
Broward College	15	86.7%	210.7
Palm Beach Atlantic University	7	85.7%	205.1
Florida State University	69	85.5%	214.0
University of West Florida	20	85.0%	215.4
University of Miami	6	83.3%	208.7
College of Central Florida	25	80.0%	215.2
University of South Florida - Tampa	87	75.9%	211.0
Rollins College	4	75.0%	198.5
Northwest Florida State College	4	75.0%	211.5
University of Central Florida	164	73.8%	209.3
Florida International University	71	71.8%	206.0
Saint Leo University	20	70.0%	207.2
University of North Florida	56	69.6%	207.0
Indian River State College	9	66.7%	203.0
Florida A&M University	15	66.7%	201.4
Miami Dade College	89	64.0%	203.3
Florida Gulf Coast University	39	61.5%	205.6
Barry University	5	60.0%	195.8
St. Johns River State College	52	57.7%	201.2
University of South Florida - St. Petersburg	9	55.6%	205.0
Nova Southeastern University	21	52.4%	200.0

Institution	Number of Examinees	Pass Rate	Mean Score
Florida State College at Jacksonville	81	51.9%	198.8
University of South Florida - Sarasota Manatee	2	50.0%	189.5
Florida Atlantic University	39	35.9%	192.8
Bethune-Cookman University	3	33.3%	190.0
Southern Technical College	7	28.6%	186.0
Southeastern University	1	0.0%	191.0
American College of Education	1	0.0%	157.0
Florida Memorial University	4	0.0%	184.3
PROGRAM TOTAL	**1,193**	**66.2%**	**205.6**
NON-PROGRAM TOTAL	**2,804**	**45.8%**	**194.1**
GRAND TOTAL	**3,997**	**51.9%**	**197.5**

Pass Rates for Pre-K to 3 Subtest 3: Mathematics

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	1	100.0%	227.0
Southeastern University	1	100.0%	220.0
American College of Education	1	100.0%	204.0
National-Louis University	1	100.0%	247.0
Argosy University	2	100.0%	204.0
Florida Southern College	3	100.0%	228.7
Jacksonville University	1	100.0%	231.0
Rollins College	4	100.0%	207.0
Stetson University	2	100.0%	204.0

Institution	Number of Examinees	Pass Rate	Mean Score
University of Tampa	4	100.0%	216.5
Warner University	1	100.0%	216.0
Daytona State College	1	100.0%	243.0
Florida SouthWestern State College	1	100.0%	255.0
State College of Florida, Manatee-Sarasota	1	100.0%	200.0
Northwest Florida State College	4	100.0%	227.5
Chipola College	2	100.0%	229.5
Florida State University	69	91.3%	224.7
University of West Florida	20	90.0%	230.9
Florida Gulf Coast University	39	89.7%	220.4
University of South Florida - Tampa	87	89.7%	225.7
Indian River State College	9	88.9%	216.9
University of South Florida - St. Petersburg	9	88.9%	222.1
University of Florida	41	87.8%	235.0
Palm Beach Atlantic University	7	85.7%	212.3
University of Miami	6	83.3%	209.8
University of North Florida	56	82.1%	219.6
Florida International University	71	81.7%	219.5
St. Petersburg College	41	80.5%	219.2
University of Central Florida	164	80.5%	219.5
College of Central Florida	25	80.0%	221.9
Flagler College	9	77.8%	219.1
St. Johns River State College	52	76.9%	210.0
Miami Dade College	89	74.2%	209.6
Broward College	15	66.7%	213.5

Institution	Number of Examinees	Pass Rate	Mean Score
Florida State College at Jacksonville	81	65.4%	208.9
Saint Leo University	20	65.0%	204.3
Barry University	5	60.0%	191.4
Florida Atlantic University	39	53.8%	199.0
Florida A&M University	15	53.3%	200.0
Nova Southeastern University	21	52.4%	203.3
Edward Waters College	2	50.0%	194.0
University of South Florida - Sarasota Manatee	2	50.0%	176.5
Southern Technical College	7	42.9%	192.7
Bethune-Cookman University	3	33.3%	200.0
Florida Memorial University	4	25.0%	172.8
PROGRAM TOTAL	**1,193**	**74.9%**	**214.7**
NON-PROGRAM TOTAL	**2,804**	**58.8%**	**203.3**
GRAND TOTAL	**3,997**	**63.6%**	**206.7**

Pass Rates for Pre-K to 3 Subtest 4: Science

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	1	100.0%	227.0
Southeastern University	1	100.0%	220.0
American College of Education	1	100.0%	204.0
National-Louis University	1	100.0%	247.0
Argosy University	2	100.0%	204.0
Florida Southern College	3	100.0%	228.7

Institution	Number of Examinees	Pass Rate	Mean Score
Jacksonville University	1	100.0%	231.0
Rollins College	4	100.0%	207.0
Stetson University	2	100.0%	204.0
University of Tampa	4	100.0%	216.5
Warner University	1	100.0%	216.0
Daytona State College	1	100.0%	243.0
Florida SouthWestern State College	1	100.0%	255.0
State College of Florida, Manatee-Sarasota	1	100.0%	200.0
Northwest Florida State College	4	100.0%	227.5
Chipola College	2	100.0%	229.5
Florida State University	69	91.3%	224.7
University of West Florida	20	90.0%	230.9
Florida Gulf Coast University	39	89.7%	220.4
University of South Florida - Tampa	87	89.7%	225.7
Indian River State College	9	88.9%	216.9
University of South Florida - St. Petersburg	9	88.9%	222.1
University of Florida	41	87.8%	235.0
Palm Beach Atlantic University	7	85.7%	212.3
University of Miami	6	83.3%	209.8
University of North Florida	56	82.1%	219.6
Florida International University	71	81.7%	219.5
St. Petersburg College	41	80.5%	219.2
University of Central Florida	164	80.5%	219.5
College of Central Florida	25	80.0%	221.9
Flagler College	9	77.8%	219.1

Institution	Number of Examinees	Pass Rate	Mean Score
St. Johns River State College	52	76.9%	210.0
Miami Dade College	89	74.2%	209.6
Broward College	15	66.7%	213.5
Florida State College at Jacksonville	81	65.4%	208.9
Saint Leo University	20	65.0%	204.3
Barry University	5	60.0%	191.4
Florida Atlantic University	39	53.8%	199.0
Florida A&M University	15	53.3%	200.0
Nova Southeastern University	21	52.4%	203.3
Edward Waters College	2	50.0%	194.0
University of South Florida - Sarasota Manatee	2	50.0%	176.5
Southern Technical College	7	42.9%	192.7
Bethune-Cookman University	3	33.3%	200.0
Florida Memorial University	4	25.0%	172.8
PROGRAM TOTAL	**1,193**	**74.9%**	**214.7**
NON-PROGRAM TOTAL	**2,804**	**58.8%**	**203.3**
GRAND TOTAL	**3,997**	**63.6%**	**206.7**

Pass Rates for Preschool Education Birth to Age 4

Institution	Number of Examinees	Pass Rate	Mean Score
St. Petersburg College	5	100.0%	213.2
University of South Florida - St. Petersburg	1	100.0%	228.0
Florida State University	1	100.0%	215.0

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Atlantic University	4	100.0%	218.8
University of South Florida - Tampa	5	100.0%	223.6
Flagler College	1	100.0%	219.0
Palm Beach Atlantic University	2	100.0%	210.5
Saint Leo University	1	100.0%	242.0
University of Miami	2	100.0%	230.0
University of Central Florida	11	90.9%	220.5
University of Florida	40	87.5%	213.9
Miami Dade College	73	84.9%	209.8
Florida International University	8	75.0%	206.3
University of West Florida	4	75.0%	210.0
Broward College	2	50.0%	193.5
Florida State College at Jacksonville	1	0.0%	195.0
Florida Gulf Coast University	1	0.0%	194.0
Southern Technical College	1	0.0%	148.0
Nova Southeastern University	1	0.0%	183.0
PROGRAM TOTAL	**172**	**83.1%**	**211.0**
NON-PROGRAM TOTAL	**249**	**71.1%**	**208.9**
GRAND TOTAL	**421**	**76.0%**	**209.8**

Pass Rates for Reading K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	2	100.0%	231.5

Institution	Number of Examinees	Pass Rate	Mean Score
Southeastern University	2	100.0%	223.5
Florida College	1	100.0%	251.0
Southern Technical College	1	100.0%	254.0
Argosy University	1	100.0%	254.0
Bethune-Cookman University	1	100.0%	216.0
Florida Institute of Technology	1	100.0%	204.0
Florida Southern College	1	100.0%	240.0
Flagler College	5	100.0%	237.2
Palm Beach Atlantic University	1	100.0%	254.0
Rollins College	3	100.0%	247.3
Stetson University	4	100.0%	233.0
University of Miami	6	100.0%	238.5
University of Tampa	2	100.0%	249.0
Warner University	1	100.0%	219.0
Broward College	1	100.0%	219.0
Daytona State College	1	100.0%	238.0
Florida SouthWestern State College	3	100.0%	246.0
Florida State College at Jacksonville	1	100.0%	232.0
Indian River State College	2	100.0%	236.5
St. Johns River State College	2	100.0%	215.0
St. Petersburg College	10	100.0%	226.6
Florida A&M University	1	100.0%	209.0
Florida State University	15	100.0%	239.9
University of Florida	3	100.0%	229.7
University of South Florida - Sarasota Manatee	2	100.0%	233.0

Institution	Number of Examinees	Pass Rate	Mean Score
University of South Florida - Tampa	55	98.2%	231.6
Saint Leo University	54	98.1%	232.7
Florida International University	60	96.7%	230.4
University of West Florida	27	96.3%	235.9
University of South Florida - St. Petersburg	20	95.0%	229.8
Florida Gulf Coast University	19	94.7%	231.1
University of Central Florida	49	91.8%	232.0
Barry University	43	90.7%	225.5
Florida Atlantic University	46	87.0%	225.5
Nova Southeastern University	15	86.7%	220.4
Miami Dade College	14	78.6%	213.6
University of North Florida	7	71.4%	225.6
Florida Memorial University	10	60.0%	206.0
PROGRAM TOTAL	**404**	**92.3%**	**227.8**
NON-PROGRAM TOTAL	**198**	**70.2%**	**214.3**
GRAND TOTAL	**602**	**85.0%**	**223.4**

Pass Rates for School Psychologist Pk-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Gulf Coast University	1	100.0%	239.0
Florida International University	16	100.0%	225.4
Florida State University	24	100.0%	224.4
University of Central Florida	32	100.0%	230.9

Institution	Number of Examinees	Pass Rate	Mean Score
University of Florida	19	100.0%	229.6
University of South Florida - Tampa	13	100.0%	233.3
Miami Dade College	1	100.0%	222.0
Argosy University	1	100.0%	237.0
Barry University	1	100.0%	205.0
Nova Southeastern University	35	97.1%	220.9
PROGRAM TOTAL	**141**	**99.3%**	**226.6**
NON-PROGRAM TOTAL	**30**	**93.3%**	**224.1**
GRAND TOTAL	**171**	**98.2%**	**226.1**

Pass Rates for Social Science 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Southern College	2	100.0%	208.5
University of Tampa	13	84.6%	210.3
Barry University	5	80.0%	214.2
Florida State University	77	75.3%	209.6
American College of Education	4	75.0%	216.5
Stetson University	4	75.0%	212.0
University of Florida	36	75.0%	213.3
University of North Florida	19	73.7%	205.6
Florida Atlantic University	47	68.1%	203.5
University of Central Florida	117	67.5%	207.9
Southern Technical College	3	66.7%	211.7

Institution	Number of Examinees	Pass Rate	Mean Score
Argosy University	3	66.7%	211.7
Palm Beach Atlantic University	3	66.7%	211.7
Rollins College	3	66.7%	211.7
Indian River State College	3	66.7%	211.7
University of South Florida - Tampa	98	65.3%	206.9
Flagler College	5	60.0%	196.0
University of Miami	5	60.0%	211.6
St. Petersburg College	5	60.0%	199.6
Florida Gulf Coast University	40	57.5%	202.1
Saint Leo University	18	55.6%	201.9
Broward College	2	50.0%	191.5
Daytona State College	4	50.0%	198.5
Florida SouthWestern State College	2	50.0%	178.5
University of South Florida - St. Petersburg	6	50.0%	194.3
University of South Florida - Sarasota Manatee	4	50.0%	196.8
University of West Florida	17	47.1%	199.6
Florida International University	30	46.7%	201.7
Nova Southeastern University	13	46.2%	188.5
Florida A&M University	3	33.3%	192.7
Miami Dade College	5	20.0%	186.2
Southeastern University	1	0.0%	186.0
Bethune-Cookman University	1	0.0%	186.0
Warner University	1	0.0%	196.0
PROGRAM TOTAL	**932**	**68.9%**	**208.1**

Institution	Number of Examinees	Pass Rate	Mean Score
NON-PROGRAM TOTAL	**2,469**	**66.9%**	**206.3**
GRAND TOTAL	**3,401**	**67.4%**	**206.8**

Pass Rates for Social Science Middle Grades 5-9

Institution	Number of Examinees	Pass Rate	Mean Score
Southeastern University	1	100.0%	223.0
American College of Education	1	100.0%	231.0
Palm Beach Atlantic University	1	100.0%	236.0
University of Miami	1	100.0%	216.0
Warner University	1	100.0%	240.0
Broward College	1	100.0%	230.0
Indian River State College	1	100.0%	224.0
St. Johns River State College	1	100.0%	209.0
University of South Florida - St. Petersburg	2	100.0%	229.0
Florida A&M University	1	100.0%	212.0
University of Florida	9	100.0%	242.2
University of Central Florida	10	90.0%	221.4
St. Petersburg College	9	88.9%	226.3
University of South Florida - Tampa	9	88.9%	228.2
University of West Florida	7	85.7%	225.3
Saint Leo University	20	85.0%	222.2
Florida State University	5	80.0%	218.8
University of North Florida	4	75.0%	216.0

Institution	Number of Examinees	Pass Rate	Mean Score
Florida International University	10	60.0%	206.4
Florida Atlantic University	7	57.1%	200.6
Barry University	4	50.0%	198.5
Nova Southeastern University	10	50.0%	200.4
Florida Gulf Coast University	4	50.0%	203.5
Flagler College	1	0.0%	188.0
Daytona State College	1	0.0%	197.0
Miami Dade College	2	0.0%	190.5
PROGRAM TOTAL	**226**	**79.6%**	**220.0**
NON-PROGRAM TOTAL	**699**	**75.3%**	**220.1**
GRAND TOTAL	**925**	**76.3%**	**220.1**

Pass Rates for Spanish K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Lynn University	1	100.0%	218.0
Flagler College	1	100.0%	201.0
Broward College	1	100.0%	228.0
Daytona State College	1	100.0%	226.0
Florida SouthWestern State College	1	100.0%	234.0
Florida State College at Jacksonville	1	100.0%	233.0
Northwest Florida State College	1	100.0%	234.0
St. Petersburg College	1	100.0%	243.0
Florida Gulf Coast University	3	100.0%	226.3

Institution	Number of Examinees	Pass Rate	Mean Score
University of South Florida - St. Petersburg	1	100.0%	223.0
University of North Florida	1	100.0%	247.0
University of West Florida	1	100.0%	247.0
Florida Atlantic University	9	88.9%	227.6
Miami Dade College	6	83.3%	223.8
Nova Southeastern University	4	75.0%	222.5
Indian River State College	4	75.0%	213.5
Florida International University	15	73.3%	214.3
University of South Florida - Tampa	12	58.3%	202.3
Southern Technical College	2	50.0%	197.5
Argosy University	2	50.0%	197.5
Barry University	4	50.0%	200.0
Palm Beach Atlantic University	2	50.0%	197.5
Stetson University	2	50.0%	197.5
University of Tampa	2	50.0%	197.5
University of Central Florida	14	50.0%	204.3
University of Florida	2	50.0%	205.5
University of Miami	4	25.0%	195.3
Florida State University	4	25.0%	188.8
Rollins College	1	0.0%	169.0
University of South Florida - Sarasota Manatee	1	0.0%	194.0
PROGRAM TOTAL	172	78.5%	219.4
NON-PROGRAM TOTAL	1,049	86.9%	222.0
GRAND TOTAL	1,221	85.7%	221.6

Pass Rates for Speech 6-12 Written

Institution	Number of Examinees	Pass Rate	Mean Score
Florida SouthWestern State College	1	100.0%	227.0
Florida State University	1	100.0%	242.0
Florida Atlantic University	1	100.0%	202.0
University of Central Florida	2	100.0%	219.5
University of Florida	1	100.0%	217.0
PROGRAM TOTAL	**7**	**100.0%**	**225.0**
NON-PROGRAM TOTAL	**19**	**84.2%**	**219.3**
GRAND TOTAL	**26**	**88.5%**	**220.8**

Pass Rates for Speech 6-12 Speaking

Institution	Number of Examinees	Pass Rate	Mean Score
Florida SouthWestern State College	1	100.0%	8.0
Florida State University	1	100.0%	6.0
University of Central Florida	1	100.0%	4.0
University of Florida	1	100.0%	8.0
Florida Atlantic University	1	0.0%	2.0
PROGRAM TOTAL	**6**	**83.3%**	**5.7**
NON-PROGRAM TOTAL	**19**	**94.7%**	**5.7**
GRAND TOTAL	**25**	**92.0%**	**5.7**

Pass Rates for Speech-Language Impaired K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida College	1	100.0%	221.0
University of South Florida - Tampa	1	100.0%	230.0
Florida Atlantic University	2	0.0%	193.5
PROGRAM TOTAL	**6**	**66.7%**	**217.5**
NON-PROGRAM TOTAL	**47**	**91.5%**	**225.5**
GRAND TOTAL	**53**	**88.7%**	**224.6**

Pass Rates for Technology Education 6-12

Institution	Number of Examinees	Pass Rate	Mean Score
Indian River State College	1	100.0%	200.0
Northwest Florida State College	1	100.0%	200.0
Miami Dade College	1	100.0%	217.0
Florida A&M University	1	100.0%	207.0
University of South Florida - Tampa	1	100.0%	218.0
Saint Leo University	2	50.0%	201.0
Florida State University	2	50.0%	203.5
University of West Florida	2	50.0%	199.5
Nova Southeastern University	3	33.3%	187.0
University of Central Florida	5	20.0%	173.4
Southeastern University	1	0.0%	187.0

Institution	Number of Examinees	Pass Rate	Mean Score
Stetson University	1	0.0%	179.0
Daytona State College	1	0.0%	186.0
Florida Atlantic University	1	0.0%	190.0
PROGRAM TOTAL	85	47.1%	196.0
NON-PROGRAM TOTAL	221	37.6%	190.9
GRAND TOTAL	306	40.2%	192.3

Pass Rates for Visually Impaired K-12

Institution	Number of Examinees	Pass Rate	Mean Score
Florida Southern College	1	100.0%	209.0
University of South Florida - Tampa	1	100.0%	212.0
Florida State University	46	87.0%	214.0
St. Petersburg College	2	50.0%	207.5
Flagler College	1	0.0%	174.0
University of Central Florida	1	0.0%	198.0
PROGRAM TOTAL	53	83.0%	212.5
NON-PROGRAM TOTAL	17	70.6%	200.7
GRAND TOTAL	70	80.0%	209.6