



Florida Department of Education Updates

February 2023 – FCS Councils



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Welcome

Chancellor Kevin O'Farrell



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Division of Florida Colleges

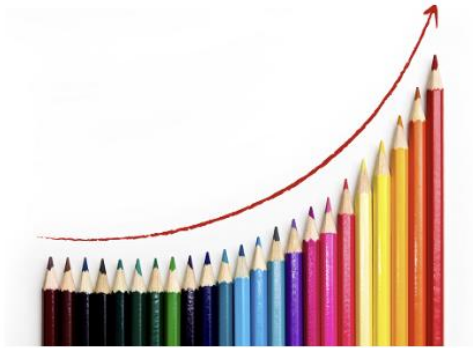
Know Your Data

KNOW YOUR DATA ADVANCED REPORTS

Florida's PK-20 Education Information Portal connects people with reports and statistical information about Florida education and outcomes for students, staff, and schools.

The links below provide access to advanced interactive reports that deliver information about Florida's PK-12 and college students in a variety of formats including charts, tables, and maps that can be customized and downloaded as an Image, Crosstab, PDF, or PowerPoint file.

PK-12 Advanced Reports



[Assessments](#)

[Course Enrollments](#)

[Student Enrollments](#)

Florida College System (FCS) Advanced Reports



[FCS Course Enrollments](#)

[FCS Graduation Rates](#)

<https://edudata.fldoe.org/AdvancedReports.html>

Course Enrollment

FLORIDA COLLEGE SYSTEM - COURSE ENROLLMENT MAP

Map

Outcomes

Build A Table



Advanced Reports Portal

Definition

Course FAQs

Compare

Indicator
(None)

Filter

Year
2021-22

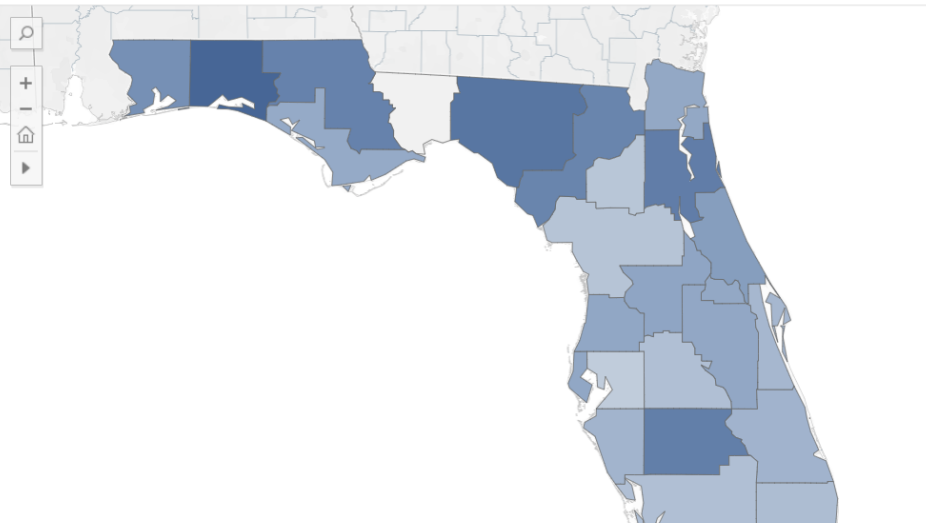
Term
(All)

Grade Outcome
Grade C and Above

Course Type
Gateway

Subject **Strategy**

FLORIDA COLLEGE SYSTEM - COURSE ENROLLMENTS
By Course Type, Subject, Strategy, and Grade Earned
2021-22, Term: All,



COMPARISONS:
Indicator: (None)

FILTERS:
Year: 2021-22, Term: All
Course Type: Gateway, Subject: All
Developmental Education Strategy: Not Applicable for Gen Ed
Core/Gateway
Grade Earned: Grade C and Above

State	Indicator	# of Students	# Grade Earned	% Grade Earned
Florida		304,070	203,675	67.0%

College Name	Indicator	# of Students	# Grade Earned	% Grade Earned
Broward		28,819	17,335	60.2%
Central Florida		4,774	3,112	65.2%
Chipola		1,141	861	75.5%
College of FL Keys		678	508	74.9%
Daytona		8,565	6,074	70.9%
Eastern Florida		8,507	5,696	67.0%
FL SouthWestern		12,515	8,240	65.8%
Fla SC at Jax		14,172	9,812	69.2%
Florida Gateway		1,873	1,405	75.0%
Gulf Coast		2,218	2,285	69.0%

Course Enrollments and Passage Rates

- Developmental education
 - Math by instructional strategy
 - Reading by instructional strategy
 - Writing by instructional strategy
- Gateway
 - Communication (ENC X101)
 - Math (MAC X105, STA X023, MGF X106, MGF X107)
- General education core
 - Communication
 - Humanities
 - Math
 - Natural science
 - Social science

Course Enrollments and Passage Rates

- Six years of data by college
- Data disaggregation by:
 - Race/ethnicity
 - Age group
 - Economic status
 - Sex
- Grades reported:

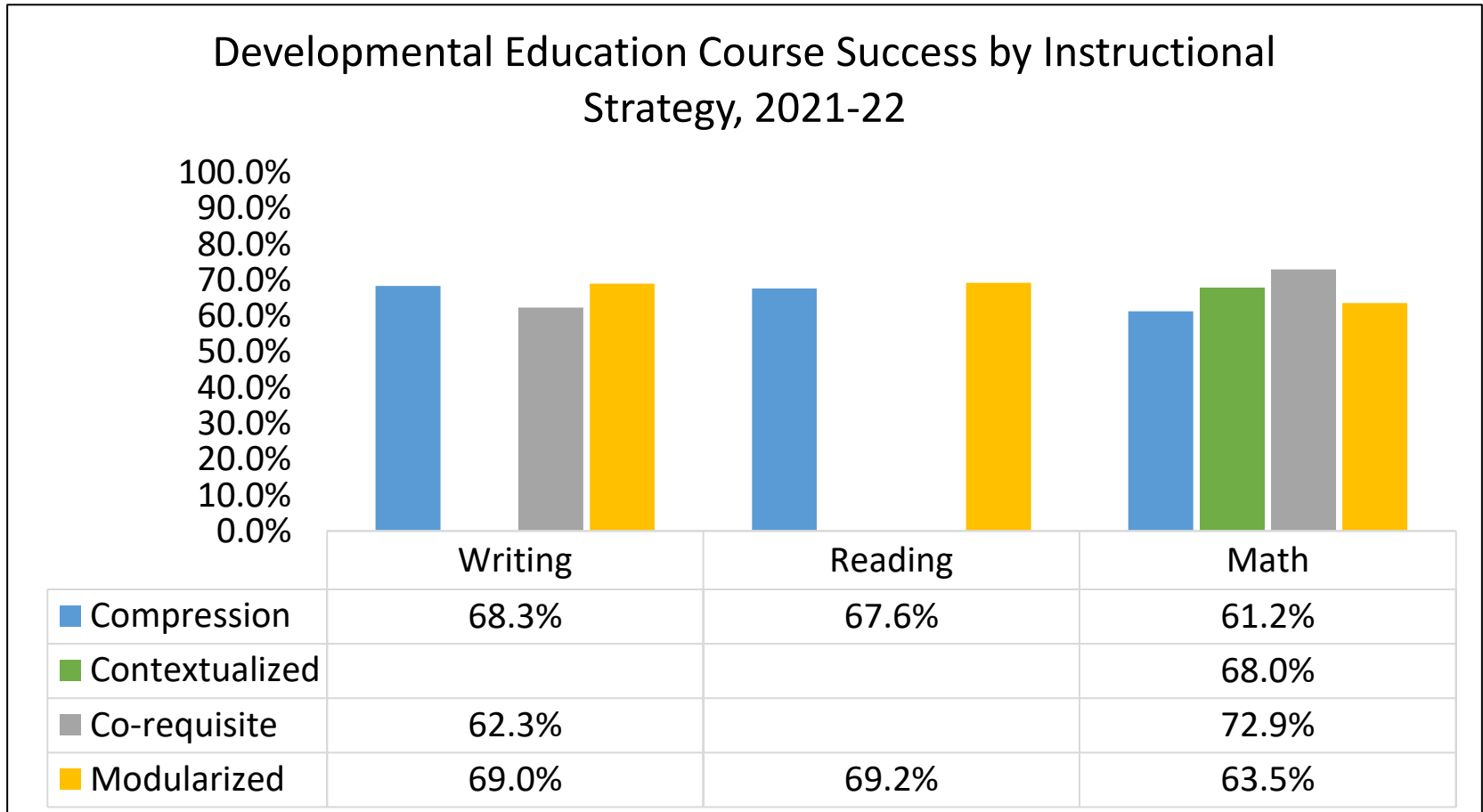
Category	Grades Included
C & Above	A, B, C, P = Pass, S = Satisfactory
D	D
Withdrawal	W = Official Withdrawal WU = Administrative\Unofficial Withdrawal
Unsuccessful	F, U = Unsatisfactory
Other	I = Incomplete, PR = Progress, X = No institutional grade awarded, Z = Audit

Frequency of Instructional Strategy Usage for Developmental Education Courses

Strategy	Compression					Contextualized					Co-requisite					Modularized				
	17-18	18-19	19-20	20-21	21-22	17-18	18-19	19-20	20-21	21-22	17-18	18-19	19-20	20-21	21-22	17-18	18-19	19-20	20-21	21-22
Writing	25	25	23	23	23	2	2	2			9	7	5	3	3	15	14	15	12	12
Reading	19	17	15	17	14	3	1	1	1		5	5	5			12	11	9	8	9
Math	23	24	23	21	23	4	4	4	3	2	7	6	6	5	5	22	21	21	19	18

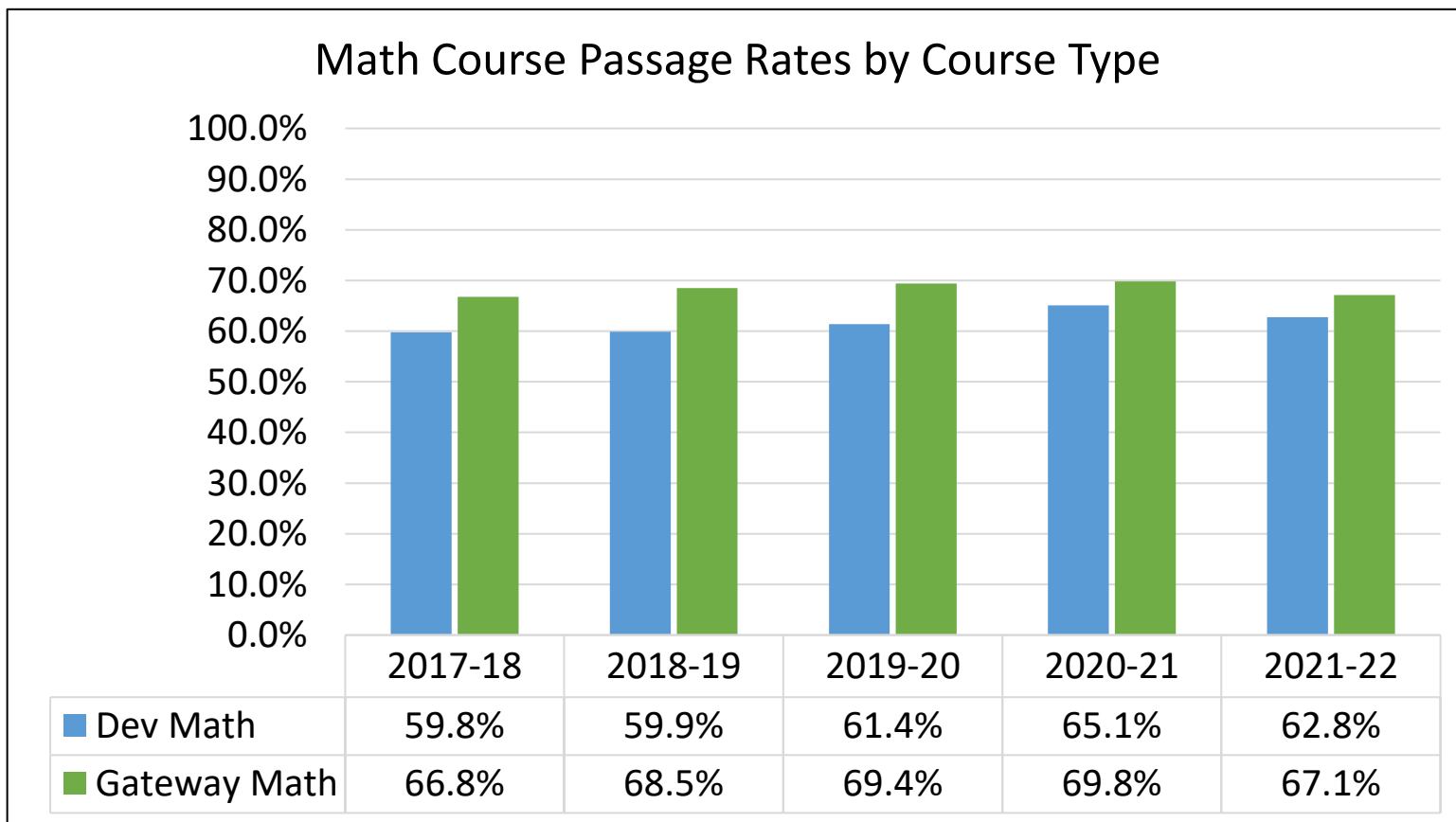
Source: Florida Department of Education, Know Your Data Advanced Reports, 2023

Developmental Education Course Success



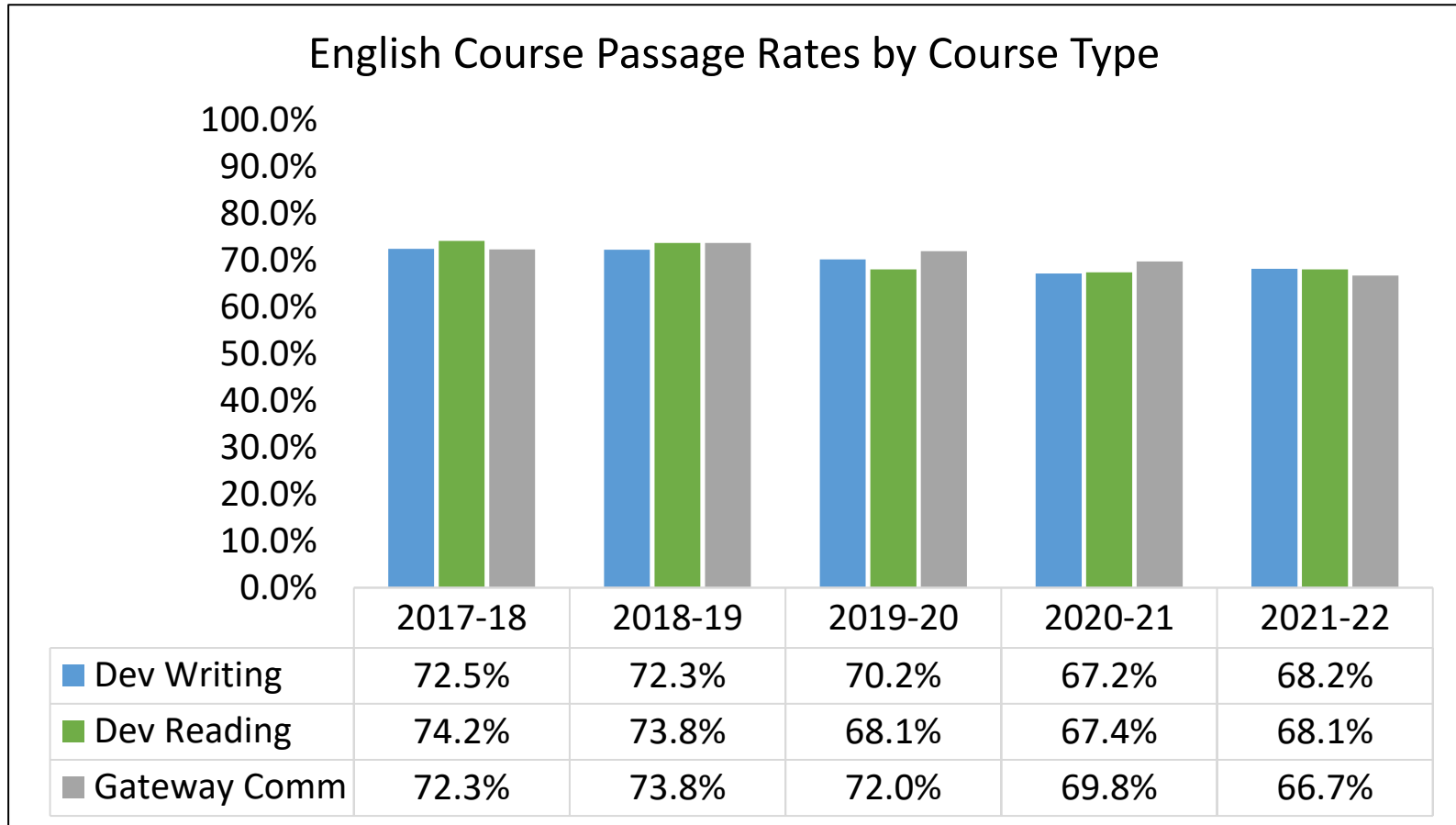
Source: Florida Department of Education, Know Your Data Advanced Reports, 2023

Math Course Success



Source: Florida Department of Education, Know Your Data Advanced Reports, 2023

English Course Success



Source: Florida Department of Education, Know Your Data Advanced Reports, 2023

Graduation Rates

FLORIDA COLLEGE SYSTEM - GRADUATION RATES MAP

Map

Demographics

Build A Table



Advanced Reports Portal

Definition

Graduation Rate FAQs

Compare

Graduation Rate:

150%

Indicator:

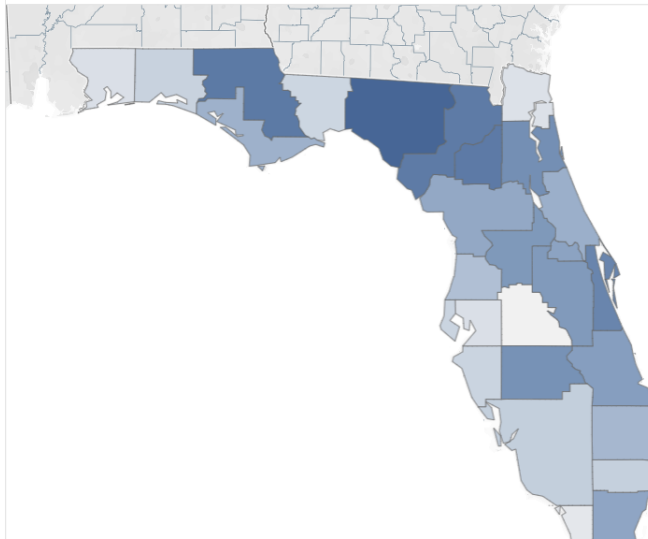
(None)

Filter

Fall Cohort Year:

2018-19

FLORIDA COLLEGE SYSTEM - GRADUATION RATES
2018-19 Fall Cohort, 150% Rate



COMPARISONS:

Graduation Rate: 150%, Indicator: (None)

FILTERS:

Year: 2018-19

State	Indicator	# Students in Cohort	Graduates	% Graduates
Florida		45,944	19,359	42.1%

College Name	Indicator	# Students in Cohort	Graduates	% Graduates
Broward		3,340	1,273	38.1%
Central Florida		947	418	44.1%
Chipola		367	192	52.3%
College of FL Keys		126	44	34.9%
Daytona		1,270	547	43.1%
Eastern Florida		1,323	665	50.3%
FL SouthWestern		1,985	760	38.3%
Fla SC at Jax		1,230	439	35.7%
Florida Gateway		371	193	52.0%
Gulf Coast		619	264	42.6%
Hillsborough		3,847	1,382	35.9%
Indian River		1,051	482	45.9%
Lake Sumter		579	271	46.8%
Miami Dade		7,768	3,466	44.6%

Graduation Rates

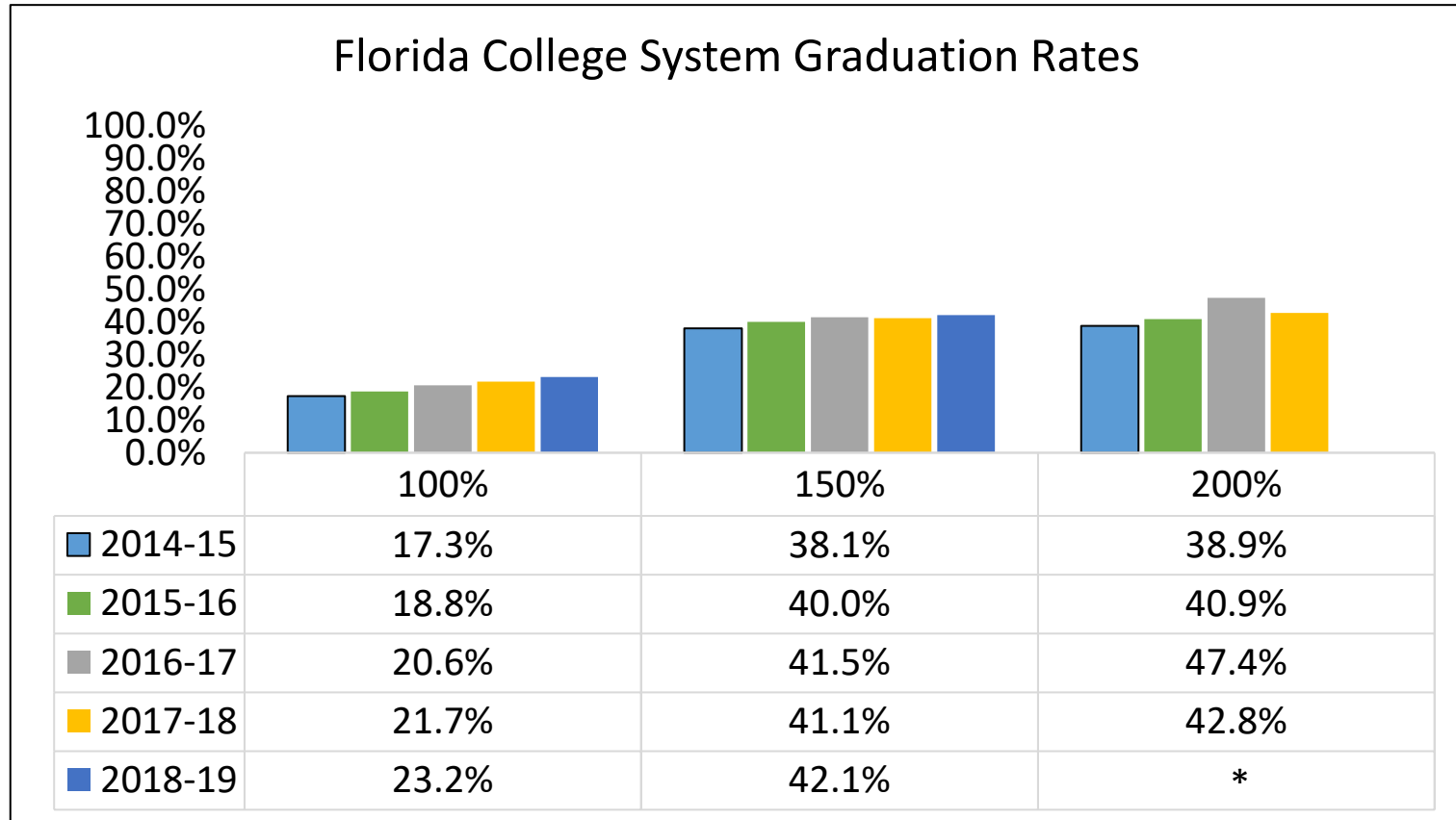
- The initial cohort is defined as all full-time, first-time-in-college degree/certificate-seeking students enrolled at the beginning of a fall term.
- Students are removed from the initial cohort if they left the institution for one of several reasons (e.g., military duty). The remaining students are referred to as the adjusted cohort.
- The graduation rate is calculated as follows:

$$\frac{\text{number of graduates}}{\text{number of students in the adjusted cohort}} = \text{graduation rate percentage}$$

Graduation Rates

- Six years of data by college
- Data disaggregation by:
 - Race/ethnicity
 - Age group
 - Economic status
 - Sex
 - Disability Status
 - Limited English Proficiency
- Graduation rates available by:
 - 100 percent of catalog time
 - 150 percent of catalog time
 - 200 percent of catalog time

FCS Graduation Rates



* Students still being tracked

Source: Florida Department of Education, Know Your Data Advanced Reports, 2023



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Office of Articulation

Mathematics Pathways Legislation

- Senate Bill 366 from the 2021 legislative session states:

To facilitate seamless transfer of credits, reduce excess credit hours, and ensure students take the courses needed for their future career, the articulation agreement must establish three mathematics pathways for students by aligning mathematics courses to programs, meta-majors, and careers. A representative committee consisting of State University System faculty, faculty of career centers established under s. 1001.44, F.S., and Florida College System institution faculty shall collaborate to identify the three mathematics pathways and the mathematics course sequence within each pathway which align to the mathematics skills needed for success in the corresponding academic programs and careers.

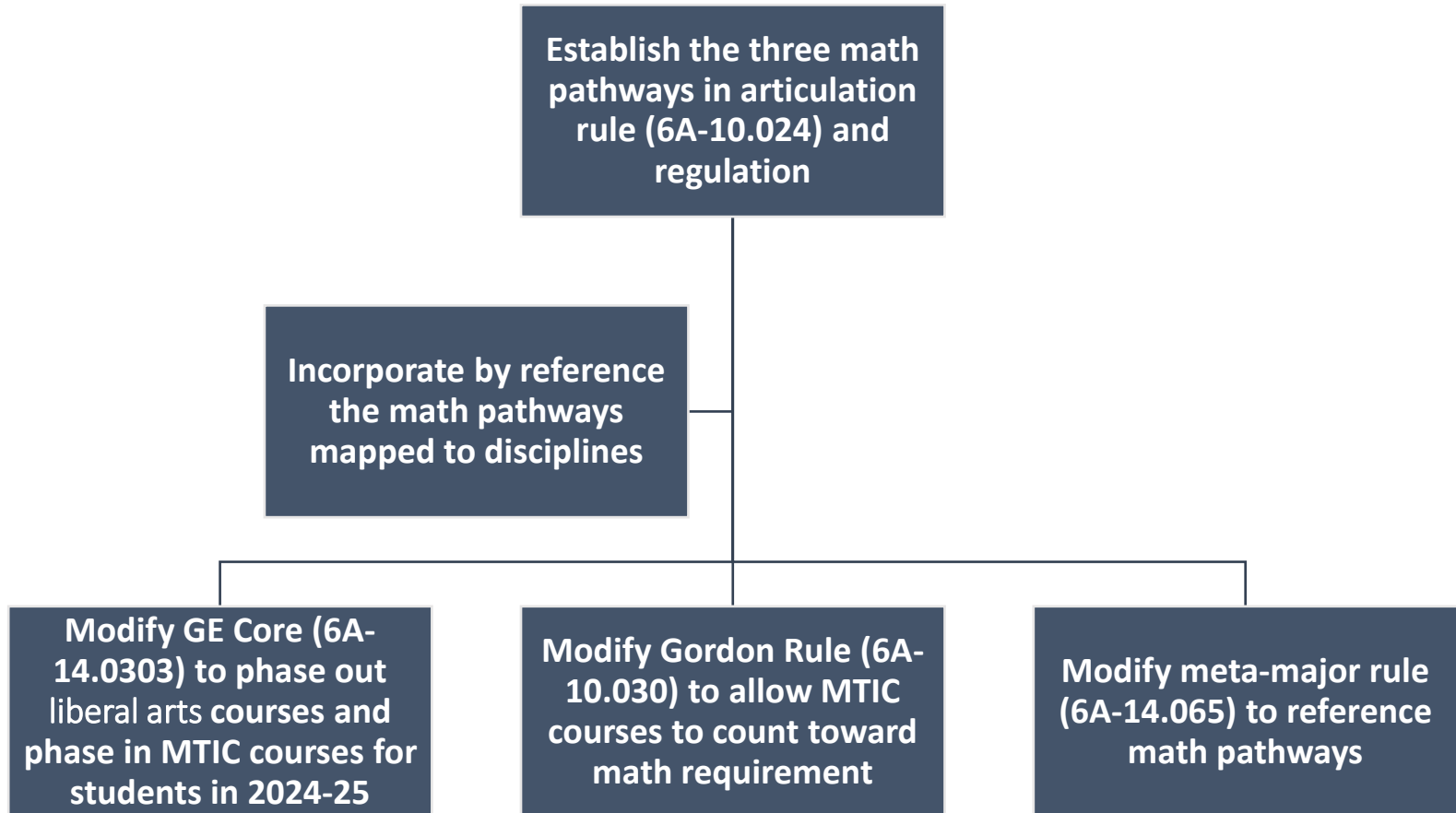
Florida's Mathematics Pathways

Algebra through Calculus

Statistical Reasoning

Mathematical Thinking in Context

Mathematics Pathways Implementation



Mathematics Pathways

- The State Board of Education approved the following rule revisions on January 18, 2023:

Rule	Summary
Rule 6A-10.024, Articulation Between and Among Universities, Florida Colleges, and School Districts	<ul style="list-style-type: none"> Incorporated new language related to establishing statewide mathematics pathways for students. Incorporated the mathematics pathways list that contains the three mathematics pathways and associated gateway courses for use by Florida's public postsecondary institutions to align program requirements and advise students to enroll in the appropriate mathematics courses.
Rule 6A-10.030, Other Assessment Procedures for College-Level Communication and Computation Skills	<ul style="list-style-type: none"> Designated the mathematics courses in the Mathematical Thinking in Context pathway as acceptable to be used to fulfill the six hours of college-level mathematics coursework required in the rule.
Rule 6A-14.0303, General Education Core Course Options	<ul style="list-style-type: none"> Incorporated one new core course option that will replace two existing core course options in the mathematics subject area to align with the mathematics pathways.

Rule 6A-10.024, Florida Administrative Code (F.A.C.) Articulation Between and Among Universities, Florida Colleges, and School Districts

(16) Statewide Mathematics Pathways. To facilitate seamless transfer of credits, reduce excess credit hours, and ensure students take the courses needed for their future careers, students entering the Florida College System in the 2024-2025 academic year and thereafter shall be advised of the mathematics pathway that aligns to the mathematics skills needed for success in the corresponding academic programs aligned to their career goals. The Mathematics Pathways List contains the three mathematics pathways and associated gateway courses. Florida College System institutions shall align associate and baccalaureate degree program requirements to the appropriate mathematics pathway as identified on the Mathematics Pathways List. The Mathematics Pathways List, Effective February 2023, is herein incorporated by reference and located at XXX. The list may be requested from the Office of Articulation, Florida Department of Education, 325 West Gaines Street, Tallahassee, Florida 32399.

Rule 6A-10.024, F.A.C., Articulation Between and Among Universities, Florida Colleges, and School Districts

MATHEMATICS PATHWAYS LIST

To facilitate seamless transfer of credits, reduce excess credit hours, and ensure students take the courses needed for their future careers, section 1007.23(3), Florida Statutes, requires the statewide articulation agreement to establish three mathematics pathways for students by aligning mathematics courses to programs, meta-majors, and careers.

Public postsecondary institutions in Florida are required to align associate and baccalaureate degree program requirements to one of the three mathematics pathways identified on the Mathematics Pathways List. Students entering a Florida College System (FCS) institution in the 2024-2025 academic year and thereafter must be advised of the mathematics pathways that align with their intended academic and career pathways, including the gateway course associated with that pathway and any subsequent mathematics coursework that aligns with the pathway's learning outcomes as identified in the Mathematics Pathways List.

1. Algebra through Calculus Pathway

Gateway Course(s): MAC X105 College Algebra and MAC X311 Calculus I.

Students in the Algebra through Calculus pathway must be advised to enroll in coursework that includes the following student learning outcomes.

- Demonstrate the knowledge of various algebraic relationships and their application.
- Employ computational techniques to mathematical problem solving.
- Execute appropriate mathematical modeling techniques for solving application problems and interpret results of solutions.
- Develop graphical models using algebraic and problem-solving techniques.
- Articulate a working knowledge of various functions and their application, as appropriate.

2. Statistical Reasoning

Gateway Course(s): STA X023.

Students in the Statistical Reasoning pathway must be advised to enroll in coursework that includes the following student learning outcomes.

- Analyze data using graphical and numerical methods to study patterns and departures from patterns, using appropriate technology as needed.
- Critically evaluate a data-collection plan to answer a given research question.
- Use probability concepts and simulation.
- Use statistical models to draw conclusions from data.
- Perform correlation and regression analyses.
- Apply statistical reasoning and data analysis to real-world or major-specific examples.

3. Mathematical Thinking in Context

Gateway Course(s): MGF X130 and MGF X131.

Students in the Mathematical Thinking in Context pathway must be advised to enroll in coursework that includes the following student learning outcomes.

- Determine efficient means of solving a problem through investigation of multiple mathematical models.
- Apply logic in contextual situations to formulate and determine the validity of logical statements using a variety of methods.
- Apply mathematical concepts visually and contextually to represent, interpret and reason about geometric figures.
- Apply mathematical models to civically contextual situations (e.g., stocks, finance, voting, population dynamics, etc.).
- Recognize the characteristics of numbers and utilize numbers along with their operations appropriately in context.
- Organize, visualize and model data in a meaningful way.
- Analyze and interpret representations of data to draw reasonable conclusions.
- Engage in ways of thinking that may involve sample size, counting strategies, chance, ratios and proportions.

Rule 6A-10.030, F.A.C., Other Assessment Procedures for College-Level Communication and Computation Skills

(2) Prior to receipt of an Associate of Arts degree from a public Florida College System institution or university or prior to entry into the upper division of a public university or college, a student shall complete successfully the following:

(a) Six (6) semester hours of English coursework and six (6) semester hours of additional coursework in which the student is required to demonstrate college-level writing skills through multiple assignments. Each institution shall designate the courses that fulfill the writing requirements of this section. These course designations shall be submitted to the Statewide Course Numbering System. An institution to which a student transfers shall accept courses so designated by the sending institution as meeting the writing requirements outlined in this section.

(b) Six (6) semester hours of mathematics coursework at the level of college algebra or higher, which can include applied logic, statistics and other such computation coursework. ~~For the purposes of this rule, applied logic, statistics and other such computation coursework which may not be placed within a mathematics department may be used to fulfill three (3) hours of the six (6) hours required by this section.~~ For the purposes of this rule, mathematics courses included in the Mathematical Thinking in Context pathway established pursuant to Section 1007.23(3), F.S. and identified in the Mathematics Pathways List as incorporated in Rule 6A-10.024(16), F.A.C., may be used to fulfill the six (6) hours required by this section.

(c) Students awarded college credit in English based on their demonstration of writing skills through dual enrollment, advanced placement, or international baccalaureate instruction pursuant to Rule 6A-10.024, F.A.C., and students awarded college credit based on their demonstration of mathematics skills at the level of college algebra or higher through one (1) or more of the acceleration mechanisms in Rule 6A-10.024, F.A.C., shall be considered to have satisfied the requirements in subsection 6A-10.030(2), F.A.C., to the extent of the college credit awarded.

Rule 6A-14.0303, F.A.C., General Education Core Course Options

6A-14.0303 General Education Core Course Options.

(1) Prior to the award of an associate in arts or baccalaureate degree, first-time-in-college students entering a Florida College System institution in the Fall Term, 2015, and thereafter must complete at least one (1) course from each of the general education subject areas listed in this section. Beginning in the 2022-23 academic year and thereafter, students entering associate in arts, associate in science or associate in applied science, or baccalaureate degree programs must complete at least one (1) course from each of the general education subject areas listed in this section prior to the awarding of their degree.

(c) Mathematics for students entering a Florida College System institution in the Fall Term, 2015, through the 2023-24 academic year:

1. MAC X105 College Algebra;
2. MAC X311 Calculus I;
3. MGF X106 Liberal Arts Mathematics I;
4. MGF X107 Liberal Arts Mathematics II;
5. STA X023 Statistical Methods; or

6. Any student who successfully completes a mathematics course for which one (1) of the general education core course options in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

(d) Mathematics for students entering a Florida College System institution in the 2024-25 academic year and thereafter:

1. MAC X105 College Algebra;
2. MAC X311 Calculus I;
3. MGF X130 Mathematical Thinking;
4. STA X023 Statistical Methods; or

5. Any student who successfully completes a mathematics course for which one (1) of the general education core course options in mathematics is an immediate prerequisite shall be considered to have completed the mathematics core.

6. To avoid excess credit hours, successful completion of MGF X106 and X107 prior to the 2024-25 academic year may be used to satisfy the mathematics core in lieu of MGF X130.

Next Steps

- Board of Governors consideration of parallel regulations for state universities in spring 2023.
- Discipline alignment to the mathematics pathways.
 - Survey institutions to identify the pathway(s) appropriate to each discipline.
 - Incorporate by reference the pathways mapped to disciplines in Rule 6A-14.065, F.A.C., Meta-major academic pathways.
- Course shell development for the new Mathematical Thinking in Context courses.
- Alignment of the Mathematical Thinking in Context courses with B.E.S.T. standards.



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Division of Career and Adult Education

Master Credential List (MCL), 2022-23 update

- CareerSource Florida will be publishing an updated 2022-23 Master Credential List based upon action taken at the Credential Review Committee, held on February 9.
- 9 new postsecondary fundable certifications were added to this list.

Master Credential List (MCL), 2022-23 update

- The following credentials were added:

DOE Code	Certification/Credential Title
APPLE022	Apple App Development with Swift Associate
FLDDL001	Class A Commercial Driver's License (CDL)
FLDOE004	Florida Teacher Certification Examinations (FTCE) - Professional Education Test
GLIAC008	GIAC Penetration Tester
GLIAC009	GIAC Certified Incident Handler
ISSC005	Certified Cloud Security Professional (CCSP)
KNOWL005	C# Coding Specialist
NCCER262	NCCER Sprinkler Fitting Level 4 (Postsecondary)
PROSO033	Certified Internet Web (CIW) Multimedia Specialist

2023-24 Master Credential List

- On February 9, 2023, CareerSource Florida adopted the initial 2023-24 Master Credential List.
 - The review of credentials is on-going.
 - Most current credentials are included for the 2023-24 year; however, many credentials will require additional review to be validated for future list.
- Information on the Credentials Review Committee and the Master Credentials List is available here:
 - <https://careersourceflorida.com/boardroom/florida-credentials-review-committee/>

MCL Submissions for 2023-24

- CareerSource Florida has posted their new MCL application here:
<https://careersourceflorida.com/boardroom/florida-credentials-review-committee/master-credentials-list/>
- For consideration for the 2023-24 CAPE Industry Certification Funding List, submissions will need to be received by March 15, 2023.



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