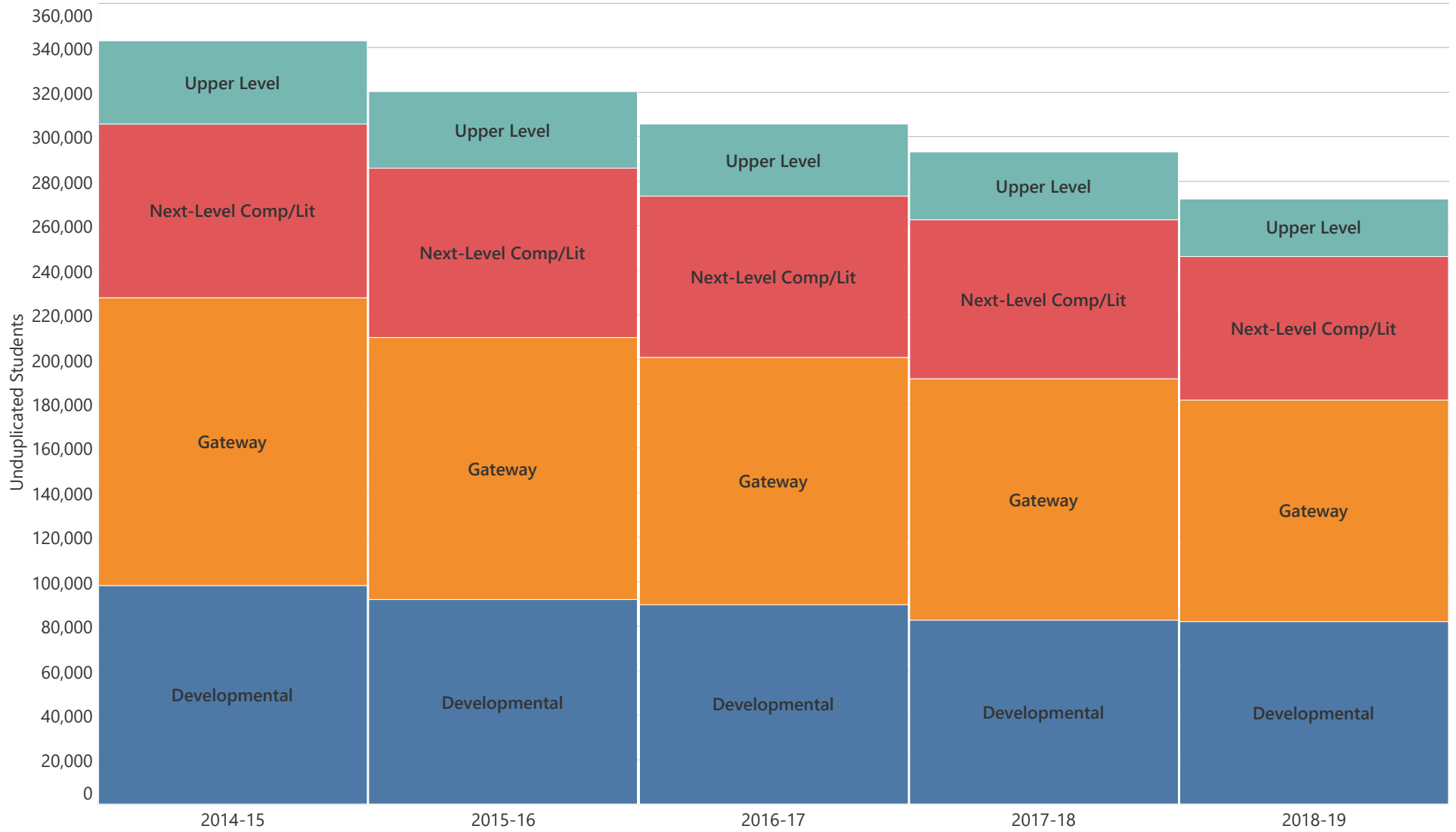# Trends in Math and English Progression: Fall 2014 – Spring 2019

Presentation for the Guided Pathways
Alignment and Completion of Math and English Working Group
Manchester Community College, September 19, 2016

JD Mathewson, PhD

Senior Research Associate

Office of Research and System Effectiveness
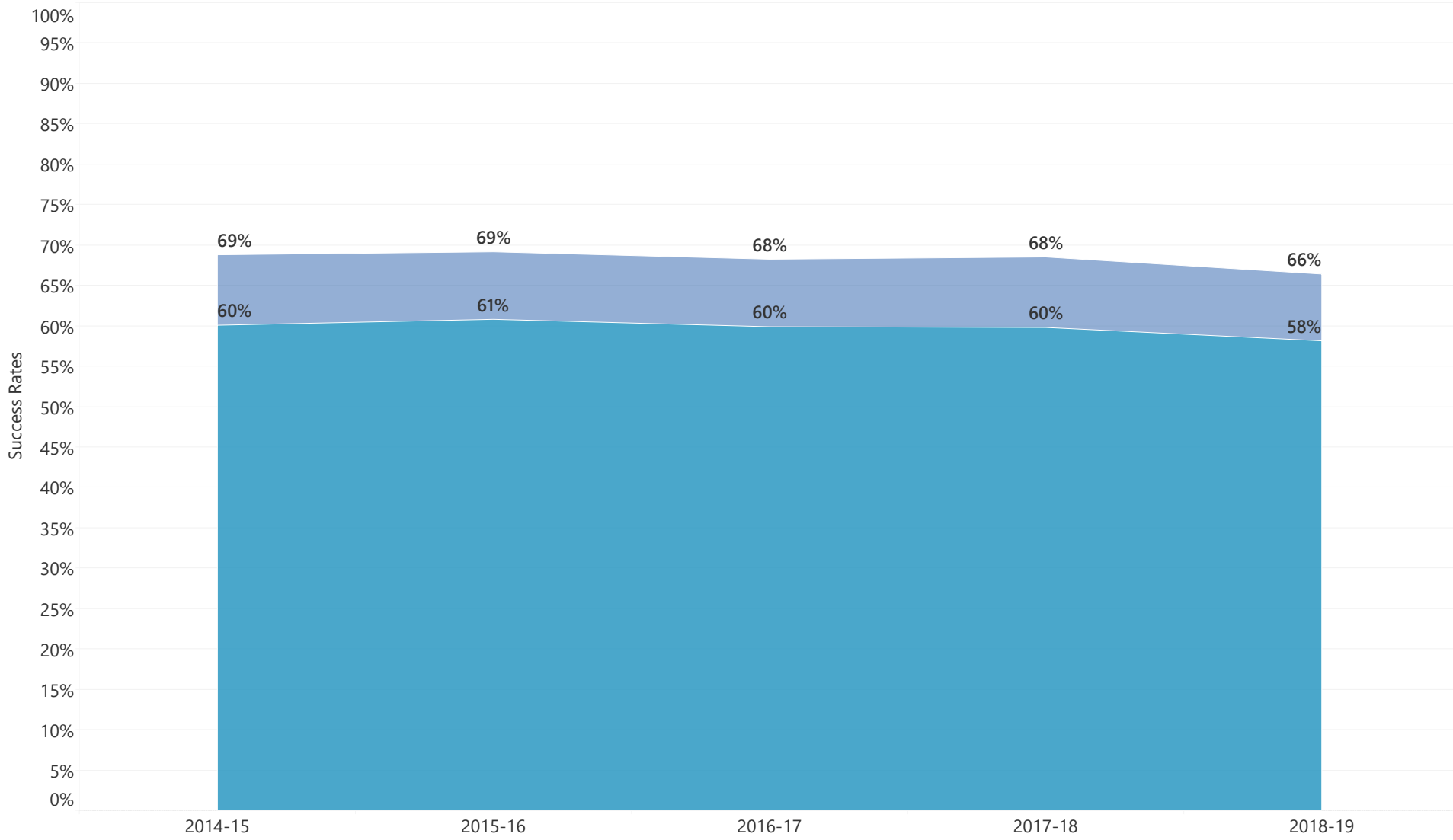
Connecticut State Colleges & Universities System Office

All English Course Enrollment by Course Level

Unduplicated Students

	2014-15	2015-16	2016-17	2017-18	2018-19
Upper Level	Upper Level	Upper Level	Upper Level	Upper Level	Upper Level
Next-Level Comp/Lit	Next-Level Comp/Lit	Next-Level Comp/Lit	Next-Level Comp/Lit	Next-Level Comp/Lit	Next-Level Comp/Lit
Gateway	Gateway	Gateway	Gateway	Gateway	Gateway
Developmental	Developmental	Developmental	Developmental	Developmental	Developmental

Y-axis: 0 – 360,000 (in increments of 20,000)

All CC Gateway English Enrollment, Completions and Passes

| | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |

Unduplicated Students (y-axis)

2014-15: 145,640 | 100,120 | 87,424

2015-16: 134,680 | 93,088 | 81,840

2016-17: 129,336 | 88,192 | 77,432

2017-18: 126,200 | 86,416 | 75,496

2018-19: 117,528 | 78,056 | 68,272

All CC Gateway English Completion and Pass Rates (Enrolled)

Success Rates

	2014-15	2015-16	2016-17	2017-18	2018-19
Upper	69%	69%	68%	68%	66%
Lower	60%	61%	60%	60%	58%

Race Gap

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

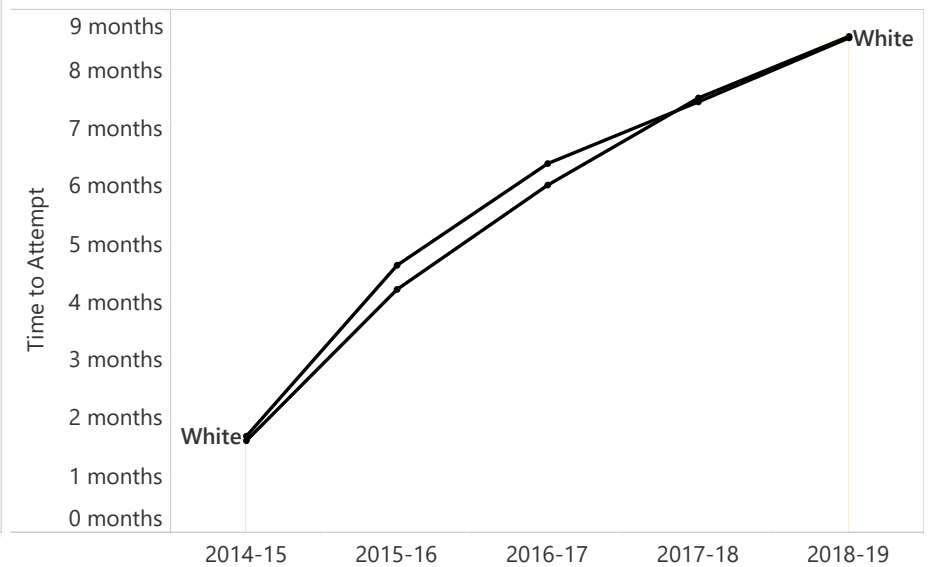### Race Gap: All CC Gateway English Course Completion (Enrolled)
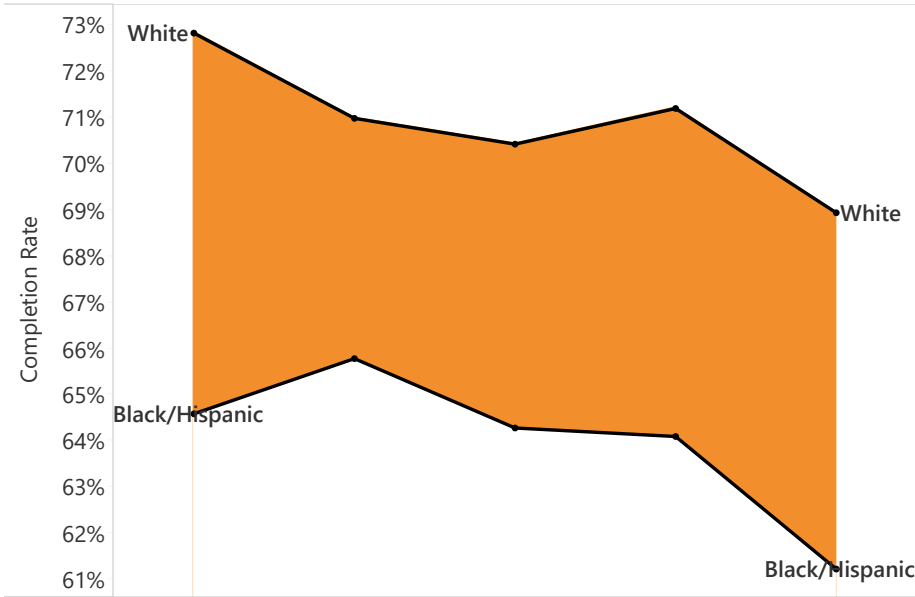
Race Gap: All CC Gateway English Course Pass Rate (Enrolled)
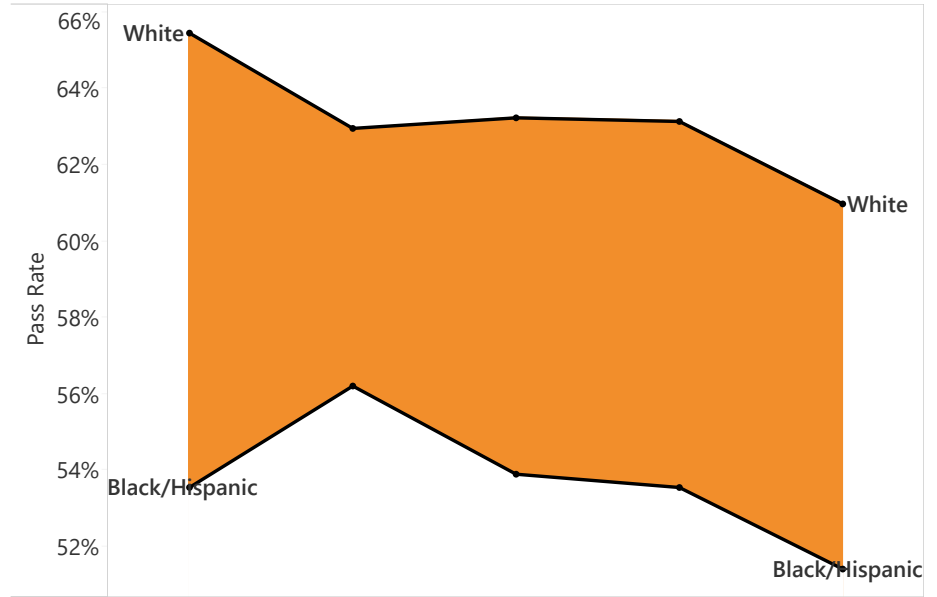
Race Gap: All CC Gateway English Course GPA
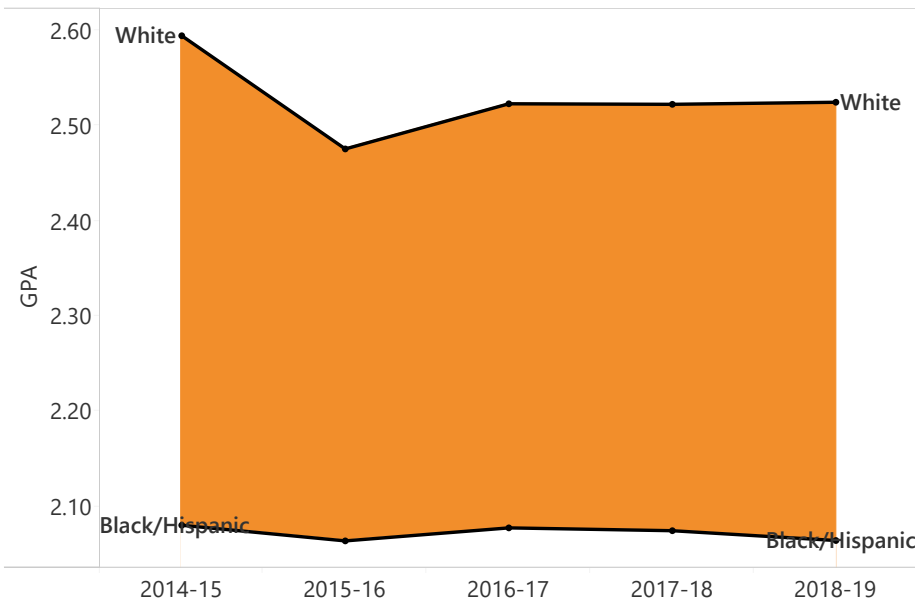
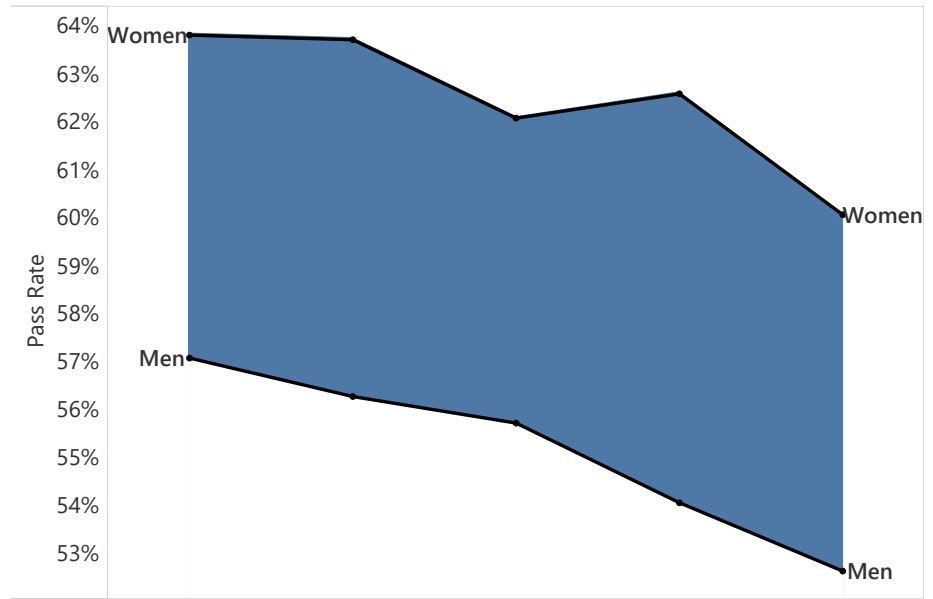### Race Gap: All CC Time Elapsed First Registration to Gateway English Enrollment

Gender Gap
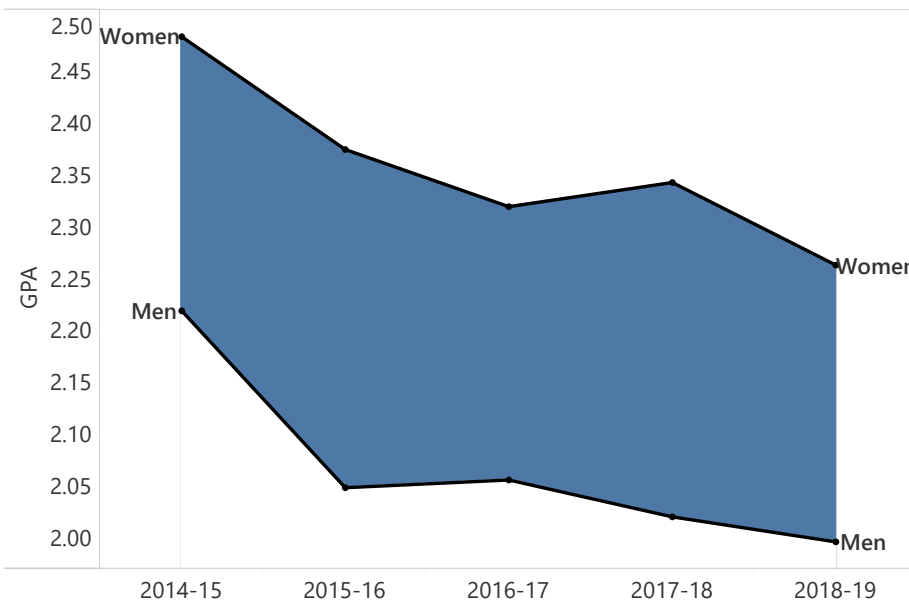## Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

Gender Gap: All CC Gateway English Course Completion (Enrolled)
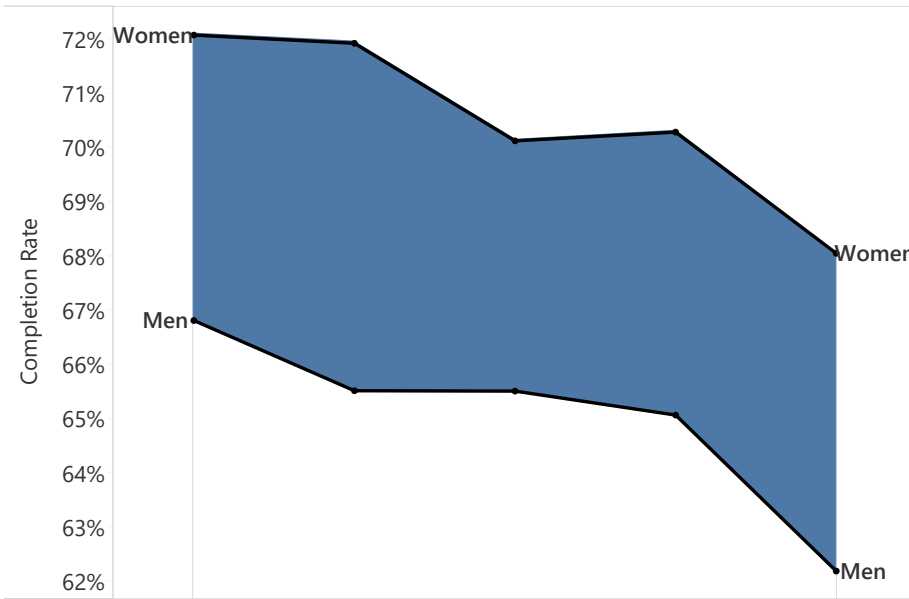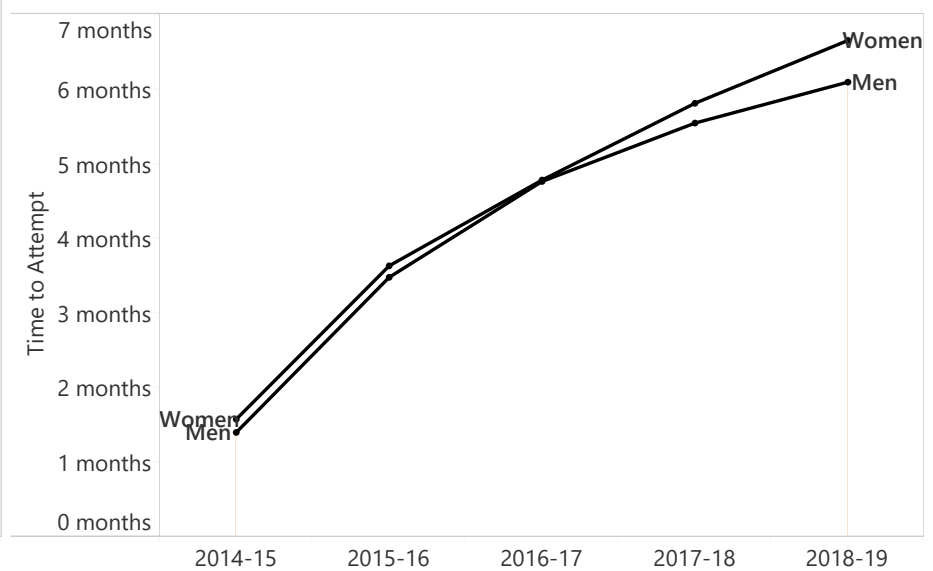

Gender Gap: All CC Gateway English Course Pass Rate (Enrolled)

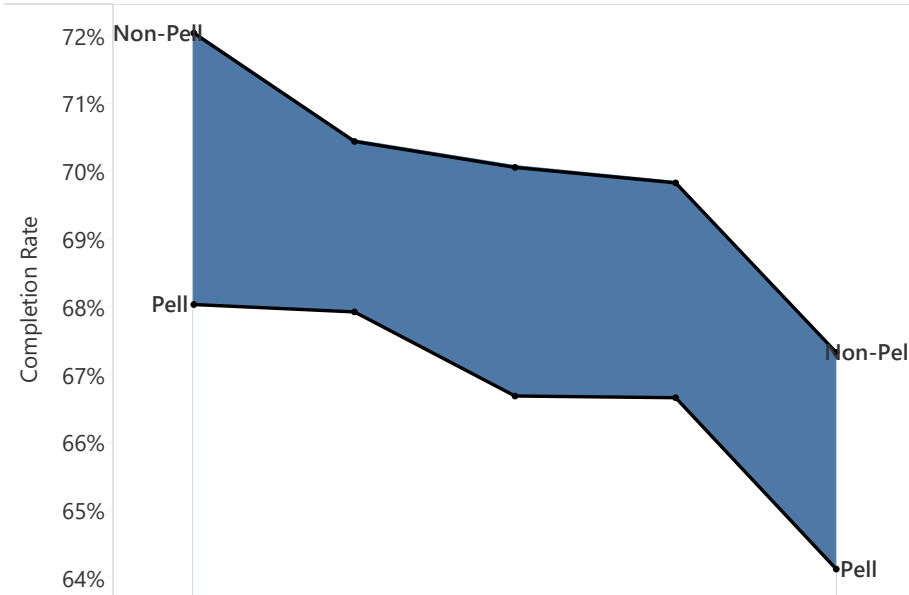
Gender Gap: All CC Gateway English Course GPA

Gender Gap: All CC Time Elapsed First Registration to Gateway English Enrollment
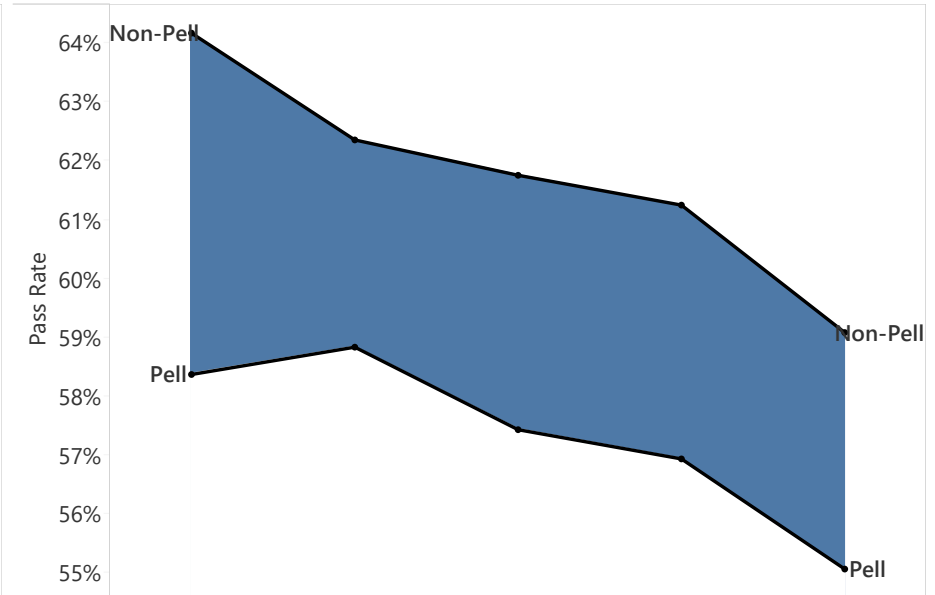
Income Gap
Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019
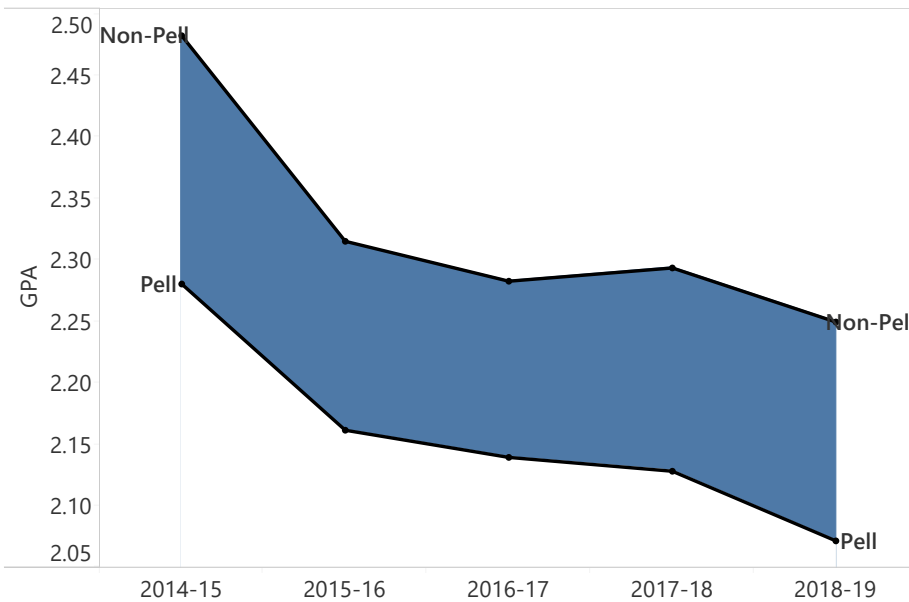
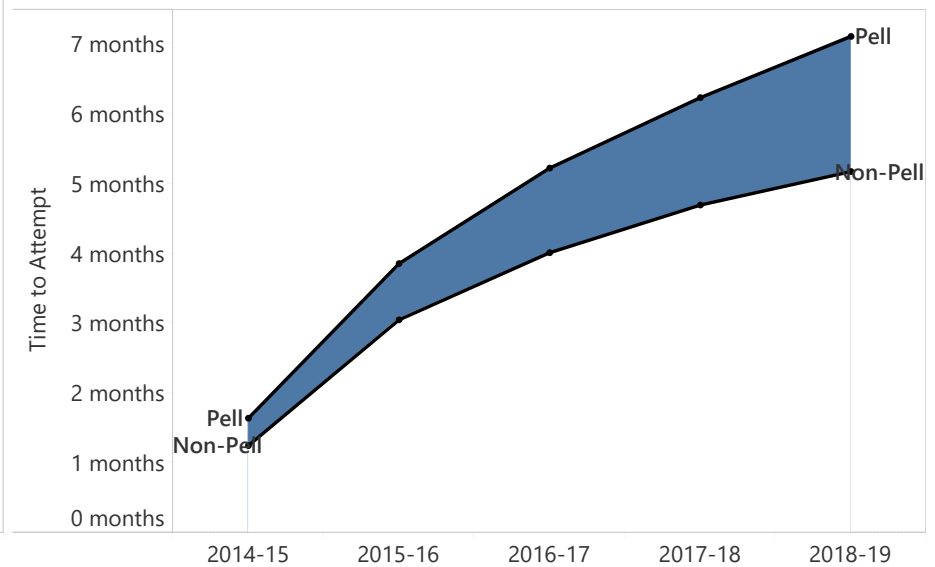### Income Gap: All CC Gateway English Course Completion (Enrolled)

Income Gap: All CC Gateway English Course Pass Rate (Enrolled)

Income Gap: All CC Gateway English Course GPA
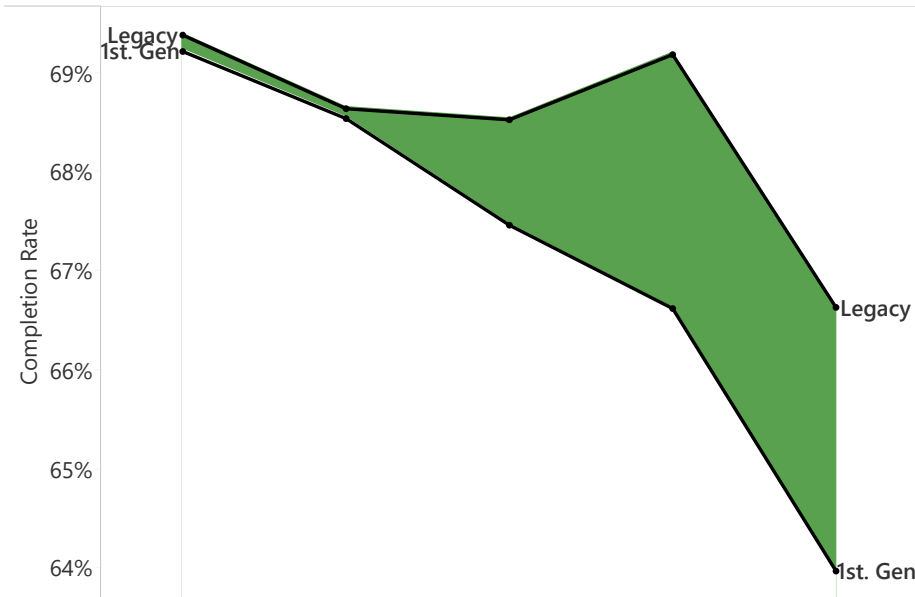

Income Gap: All CC Time Elapsed First Registration to Gateway English Enrollment
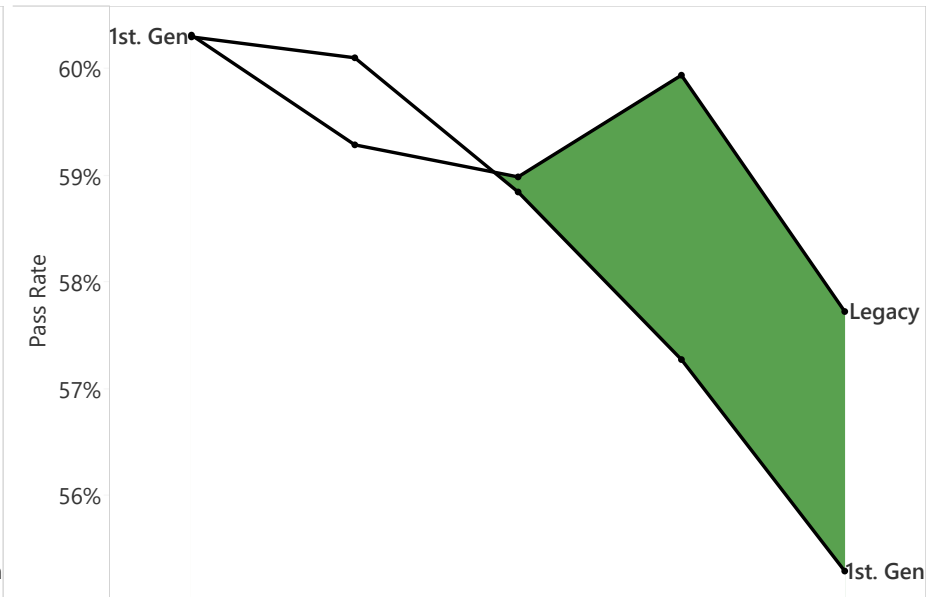
Legacy Gap

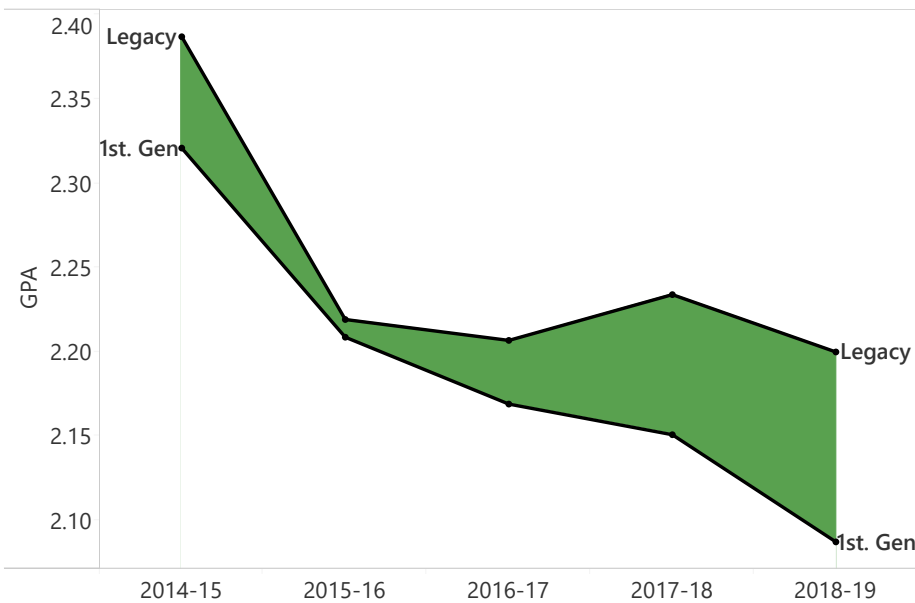## Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

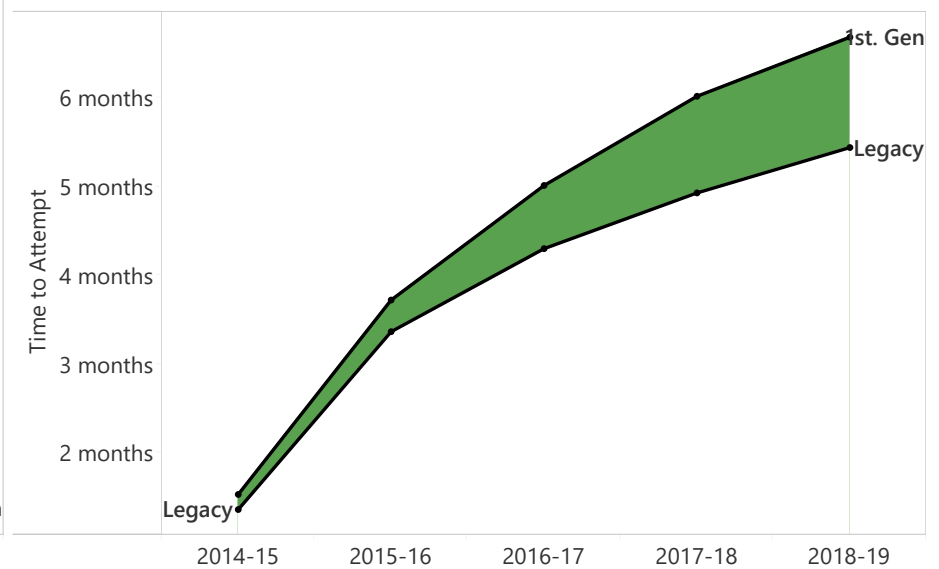### Legacy Gap: All CC Gateway English Course Completion (Enrolled)

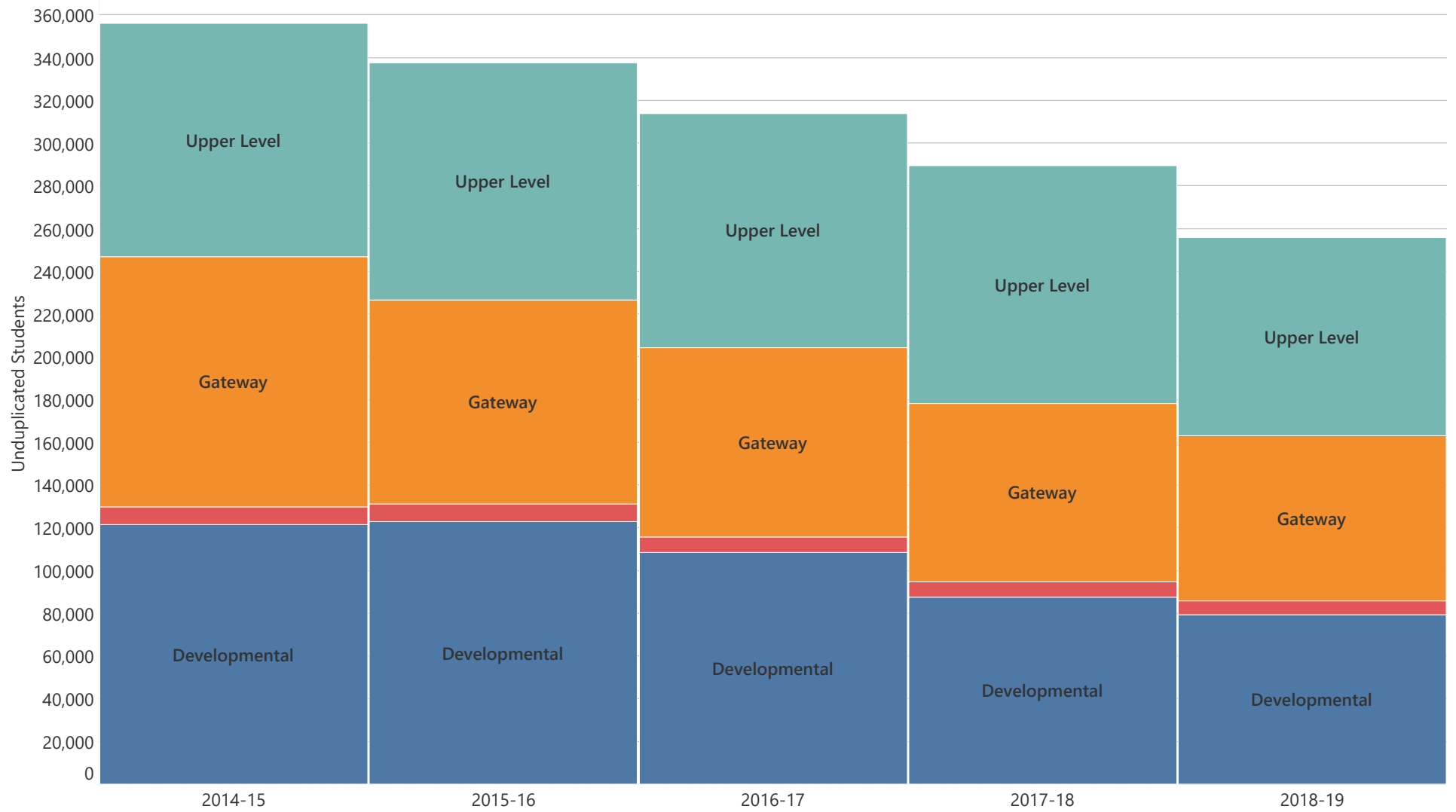### Legacy Gap: All CC Gateway English Course Pass Rate (Enrolled)

Legacy Gap: All CC Gateway English Course GPA

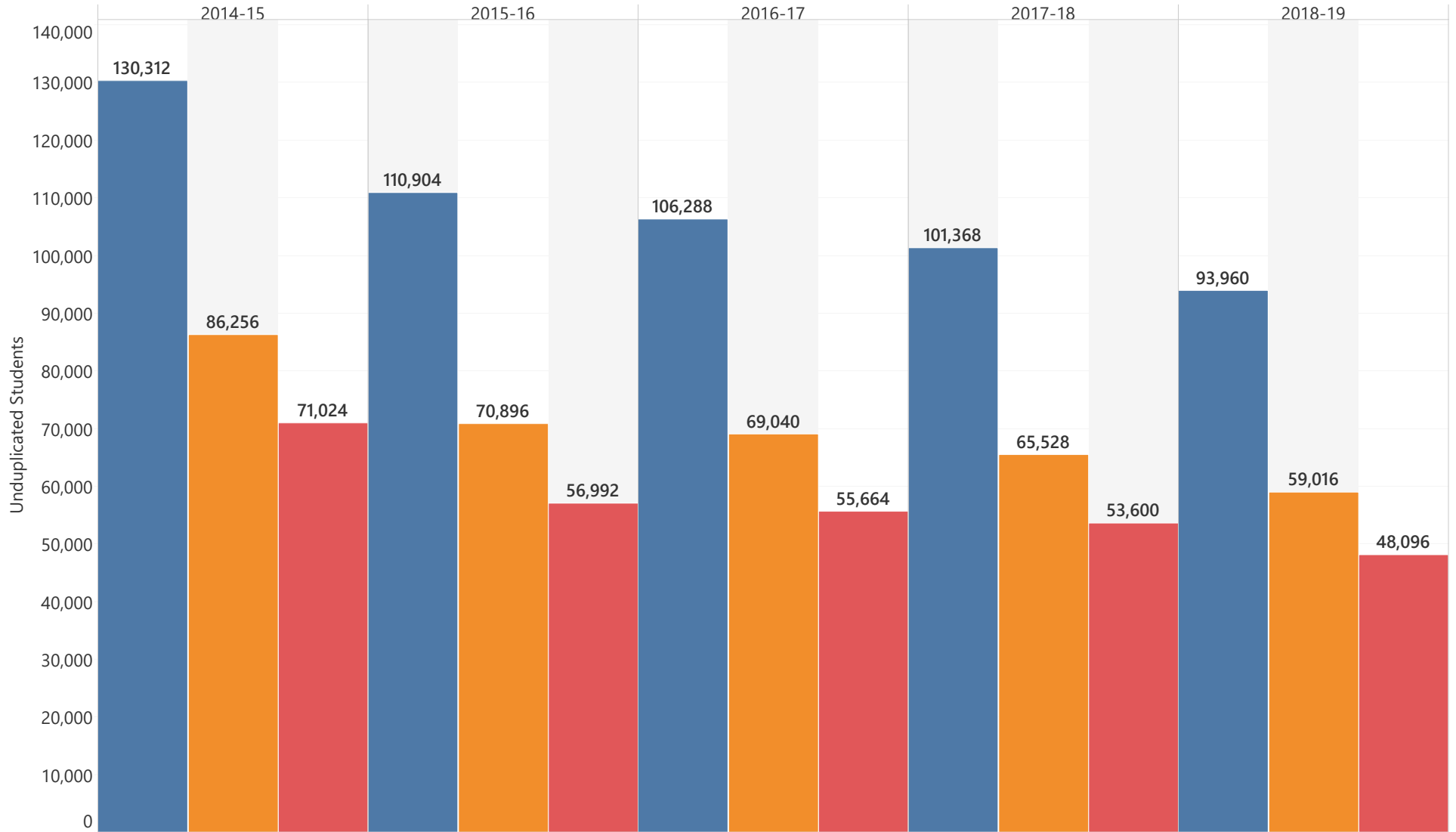### Legacy Gap: All CC Time Elapsed First Registration to Gateway English Enrollment

All Math Course Enrollment by Level

Chart: Stacked bar chart showing Unduplicated Students enrollment by academic year (2014-15, 2015-16, 2016-17, 2017-18, 2018-19) across math course levels: Developmental, Gateway, and Upper Level. The y-axis "Unduplicated Students" ranges from 0 to 360,000.

All CC Gateway Math Enrollment, Completions and Passes

	2014-15	2015-16	2016-17	2017-18	2018-19

Unduplicated Students

- 2014-15: 130,312 | 86,256 | 71,024
- 2015-16: 110,904 | 70,896 | 56,992
- 2016-17: 106,288 | 69,040 | 55,664
- 2017-18: 101,368 | 65,528 | 53,600
- 2018-19: 93,960 | 59,016 | 48,096

All CC Gateway Math Completion and Pass Rates (Enrolled)
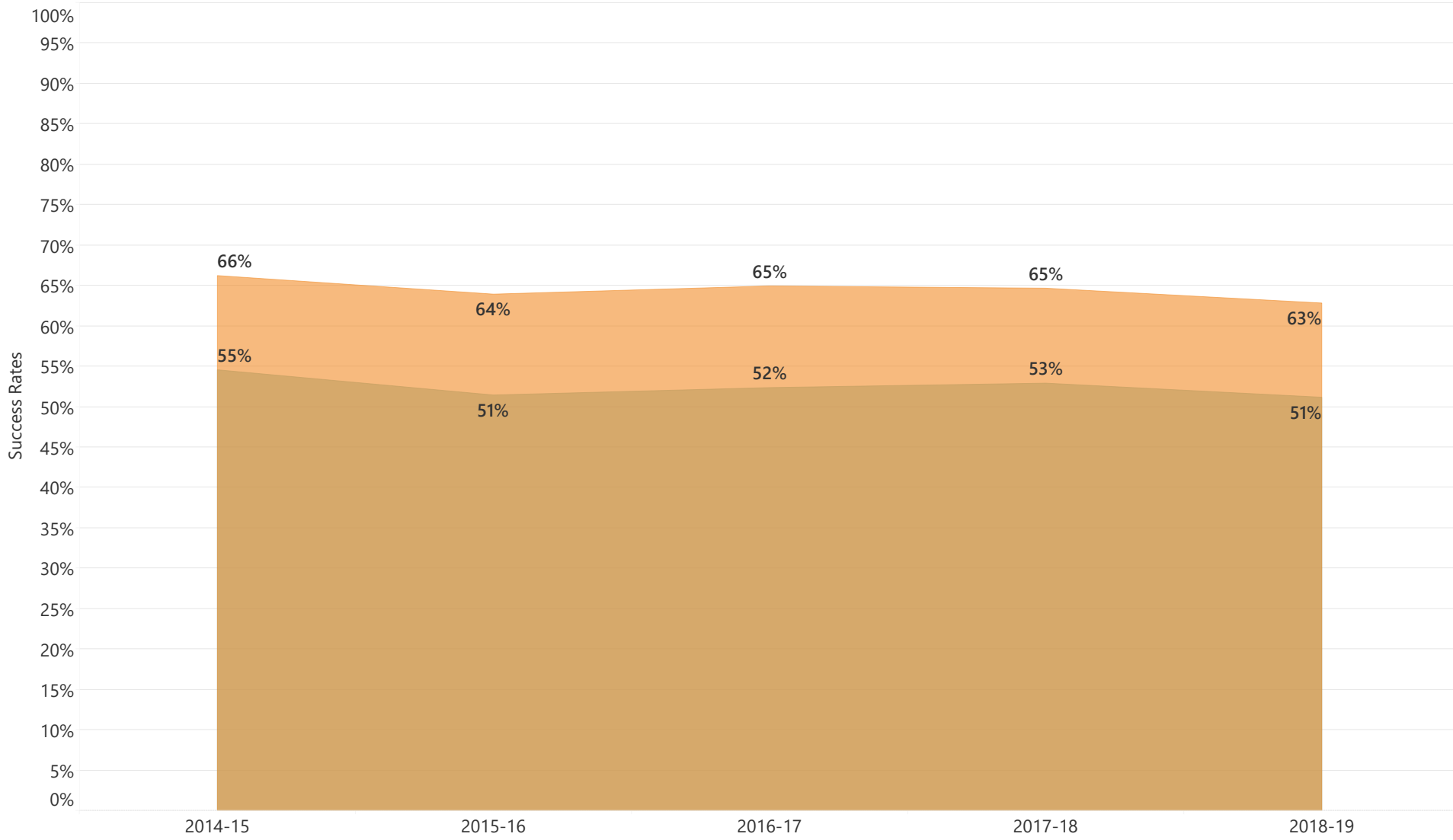
Success Rates

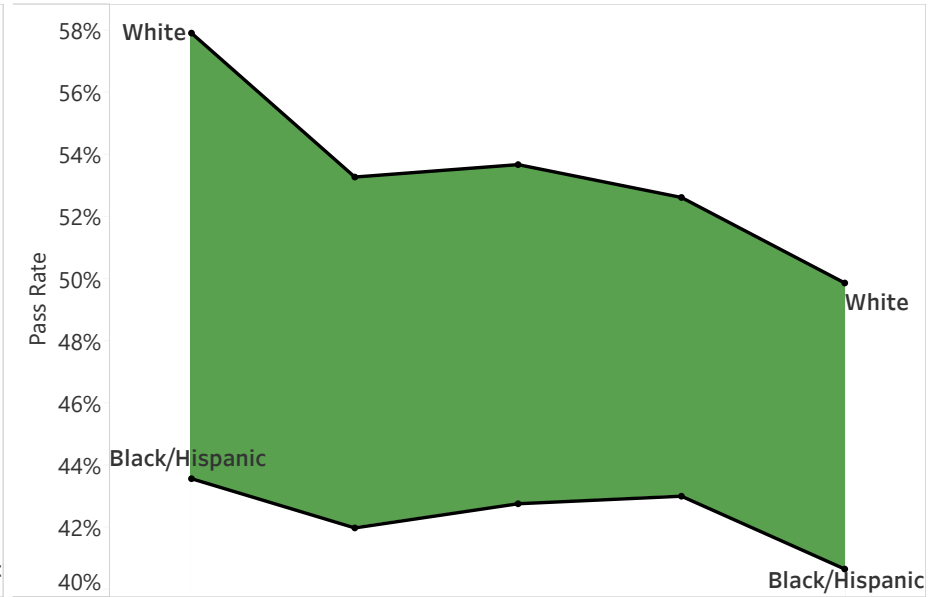|	2014-15	2015-16	2016-17	2017-18	2018-19
	66%	64%	65%	65%	63%
	55%	51%	52%	53%	51%

Race Gap

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019
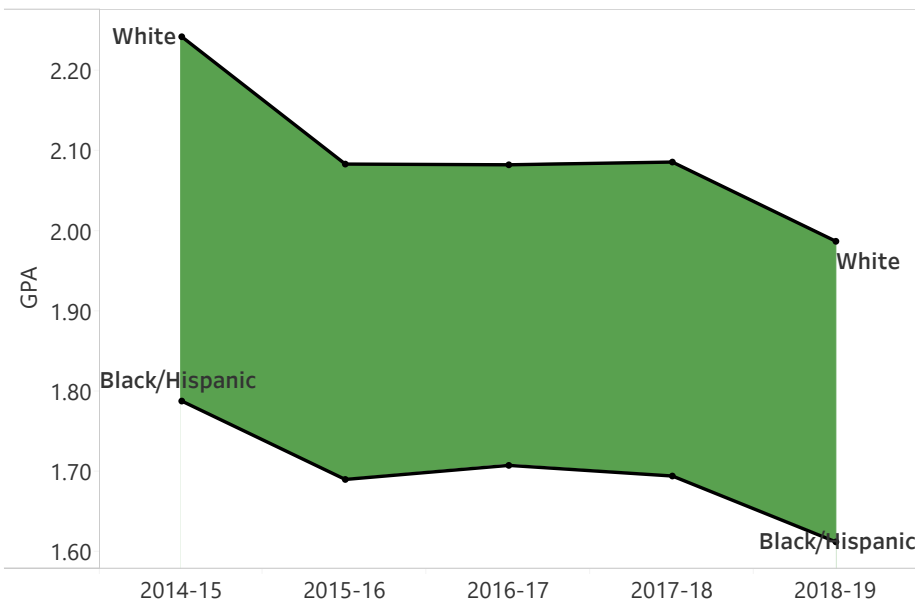
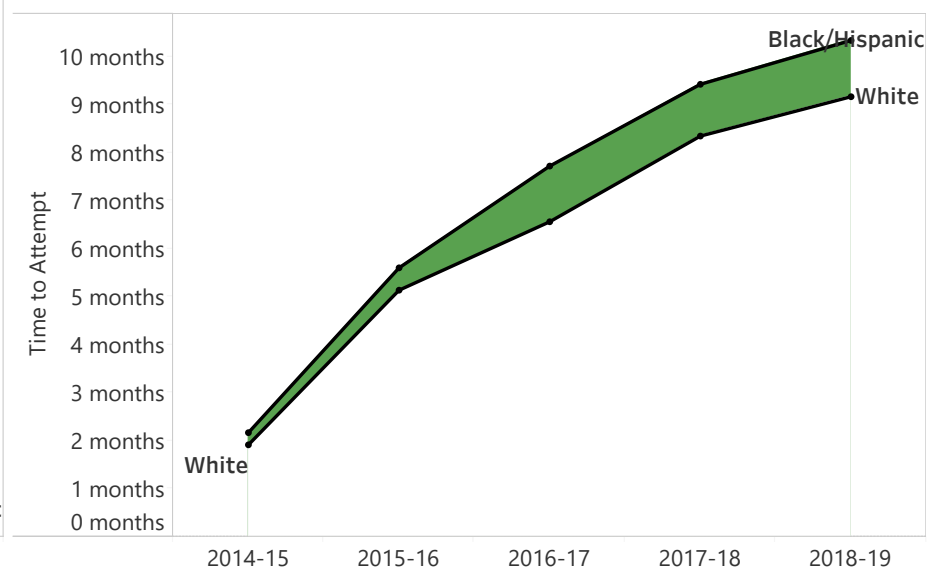### Race Gap: All CC Gateway Math Course Completion (Enrolled)
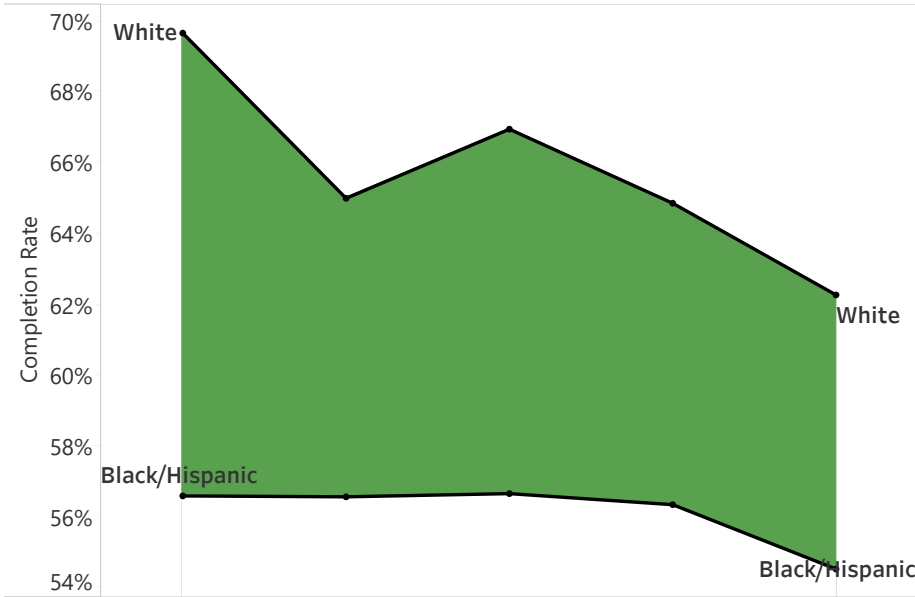
Race Gap: All CC Gateway Math Course Passage (Enrolled)

Race Gap: All CC Gateway Math Course GPA

Race Gap: All CC Time Elapsed First Registration to Gateway Math Enrollment

Gender Gap

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

Gender Gap: All CC Gateway Math Course Completion (Enrolled)

Gender Gap: All CC Gateway Math Course Passage (Enrolled)

Gender Gap: All CC Gateway Math Course GPA

Gender Gap: All CC Time Elapsed First Registration to Gateway Math Enrollment

Legacy Gap

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

Legacy Gap: All CC Gateway Math Course Completion (Enrolled)

Legacy Gap: All CC Gateway Math Course Passage (Enrolled)
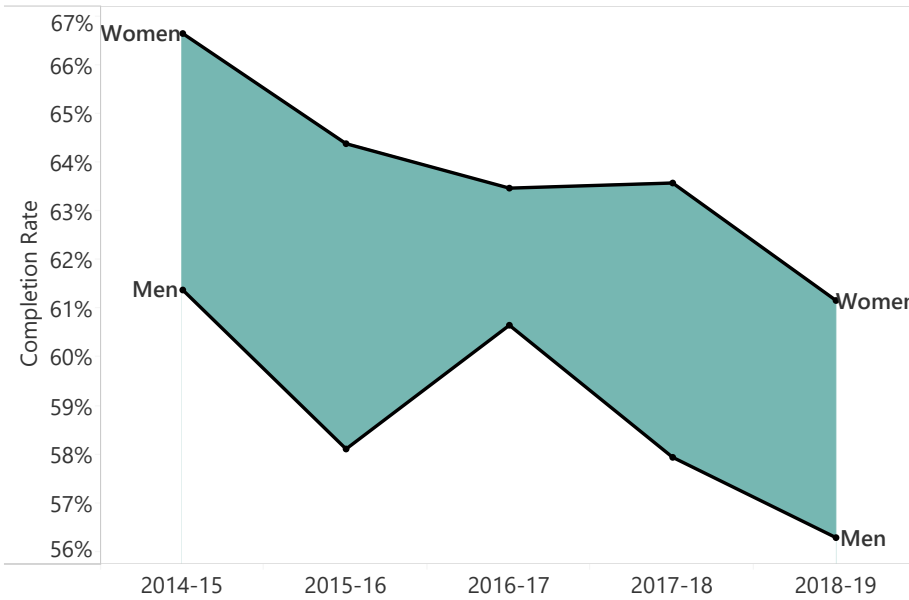
Legacy Gap: All CC Gateway Math Course GPA

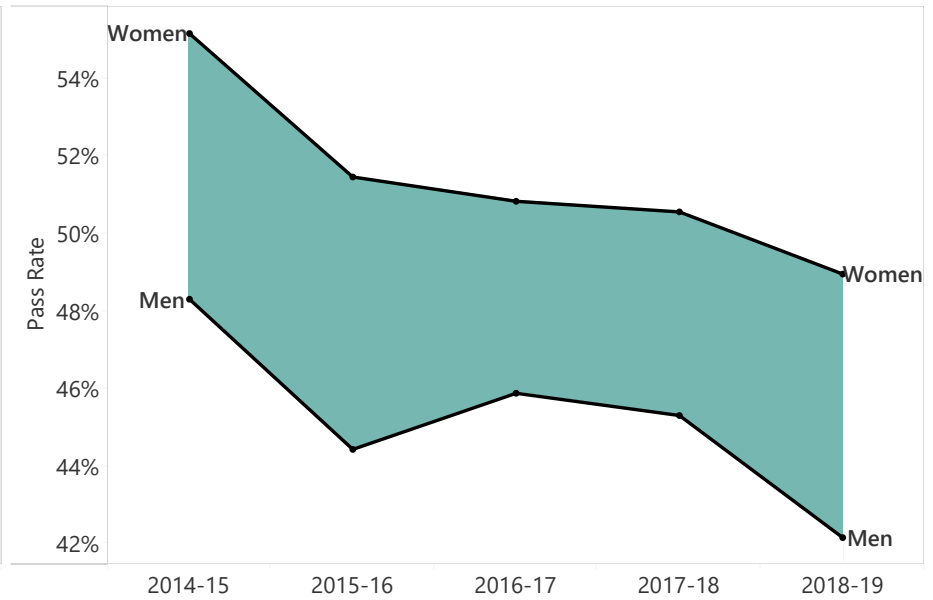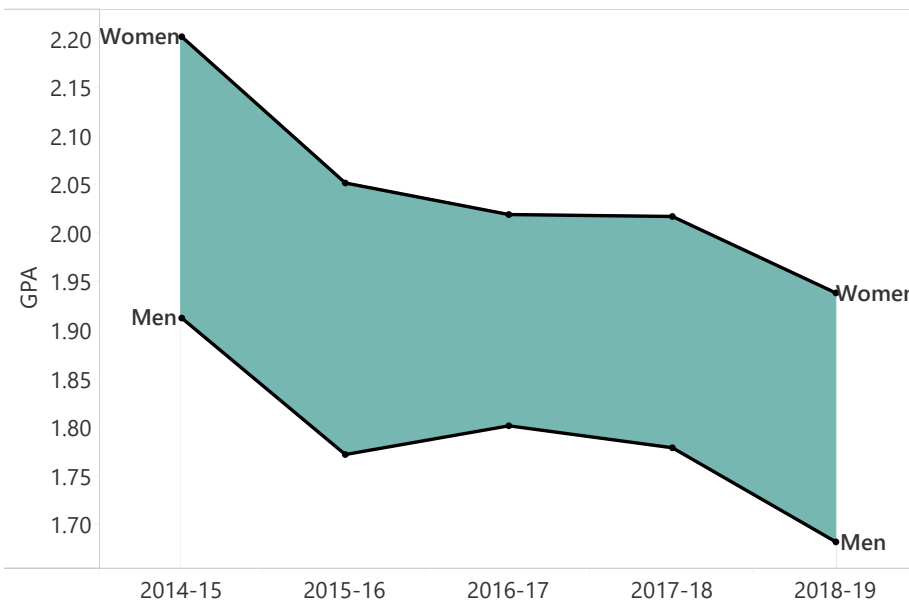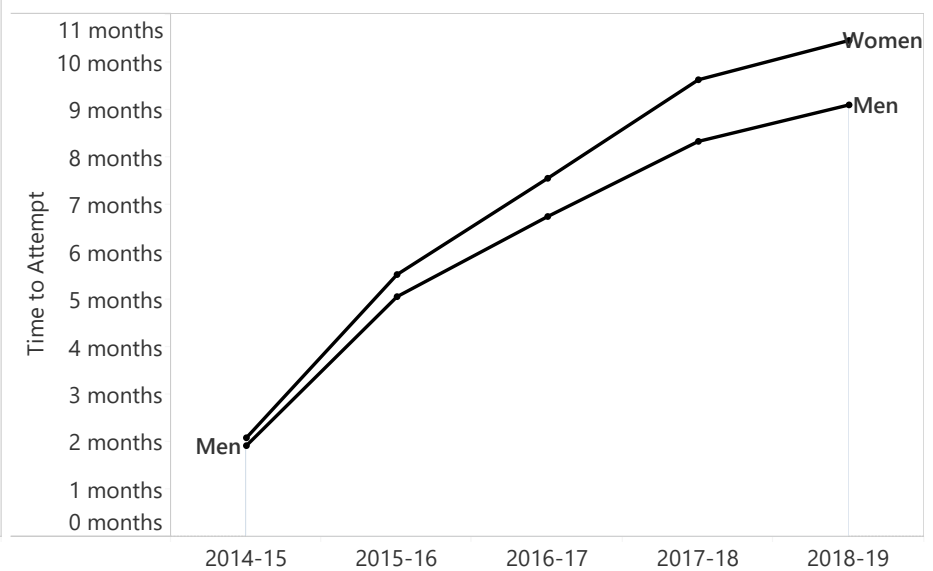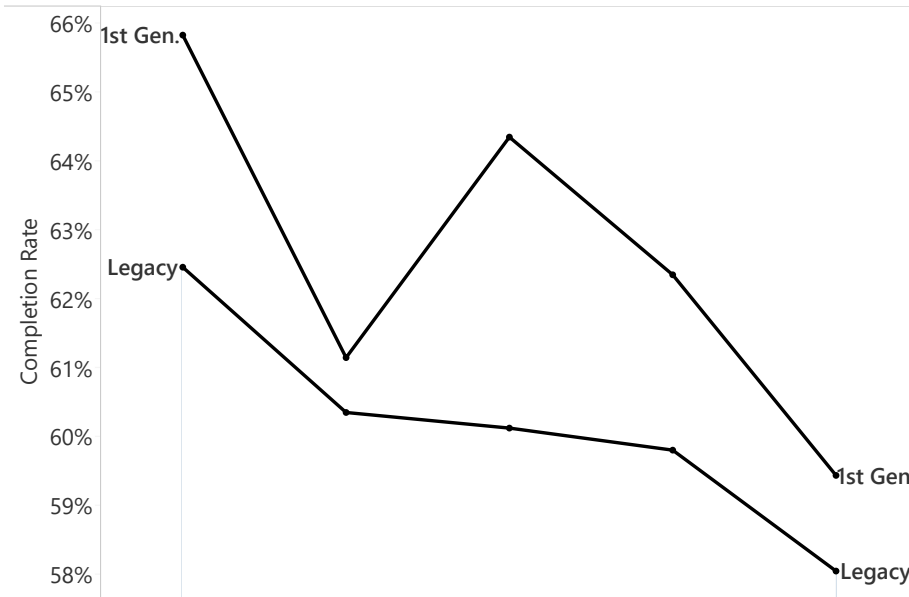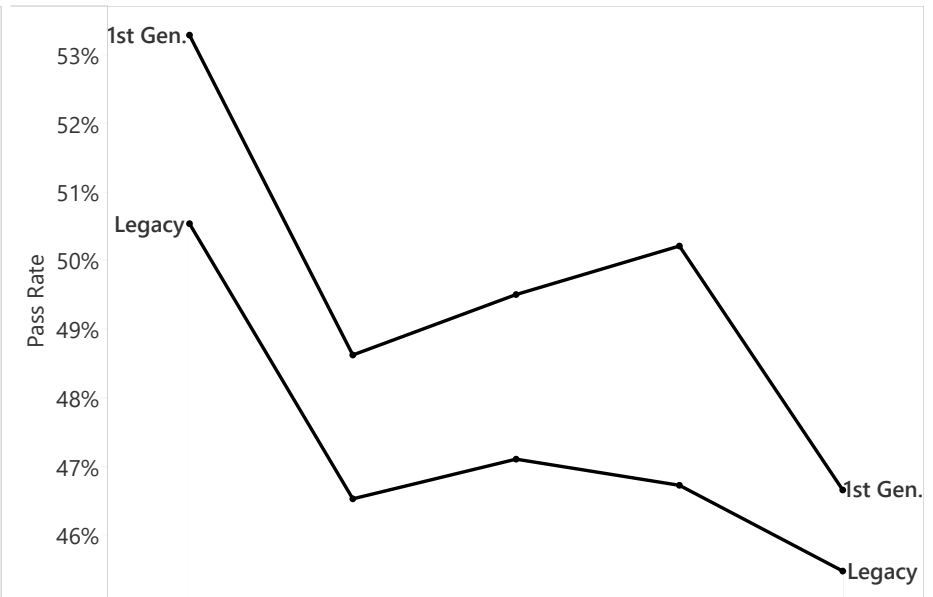Legacy Gap: All CC Time Elapsed First Registration to Gateway Math Enrollment

Income Gap

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

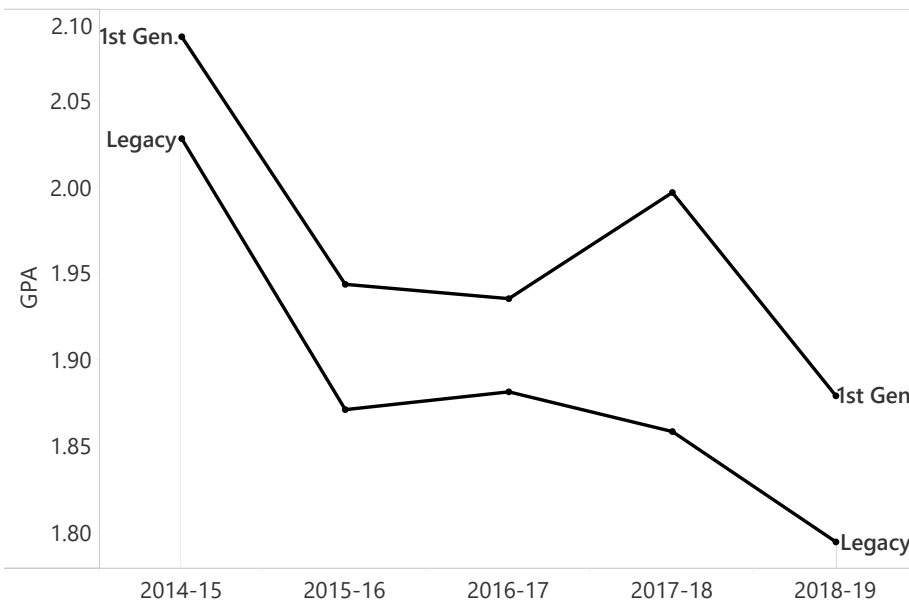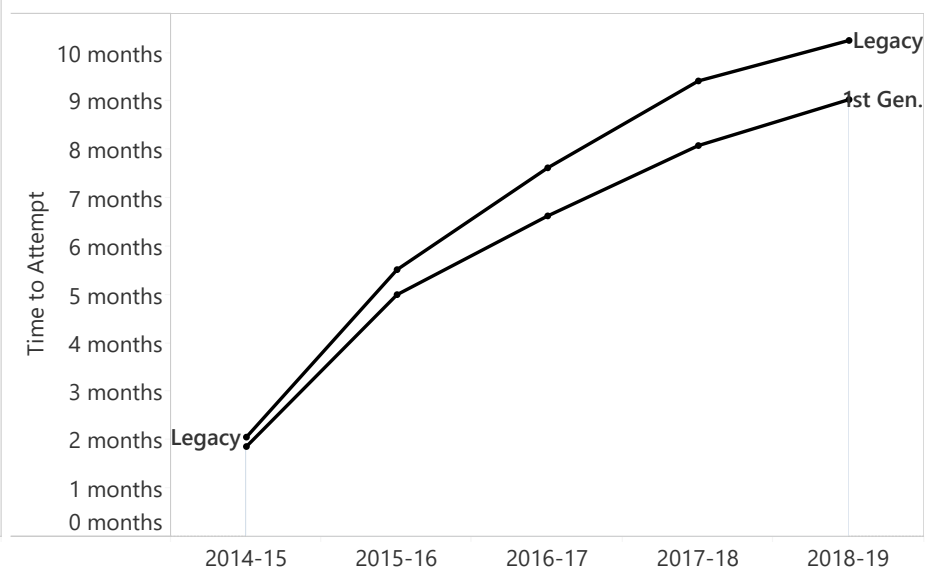### Income Gap: All CC Gateway Math Course Completion (Enrolled)

Income Gap: All CC Gateway Math Course Passage (Enrolled)
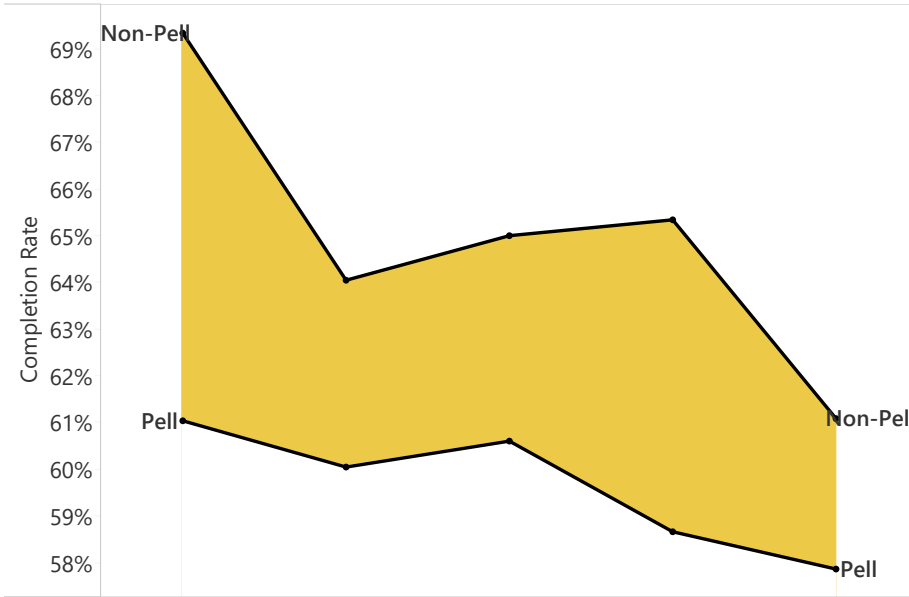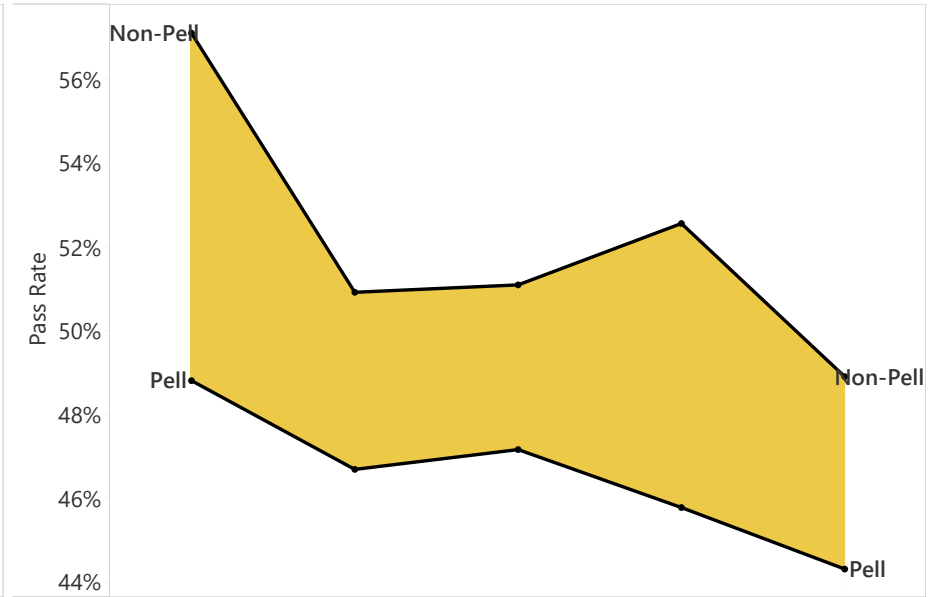

Income Gap: All CC Gateway Math GPA
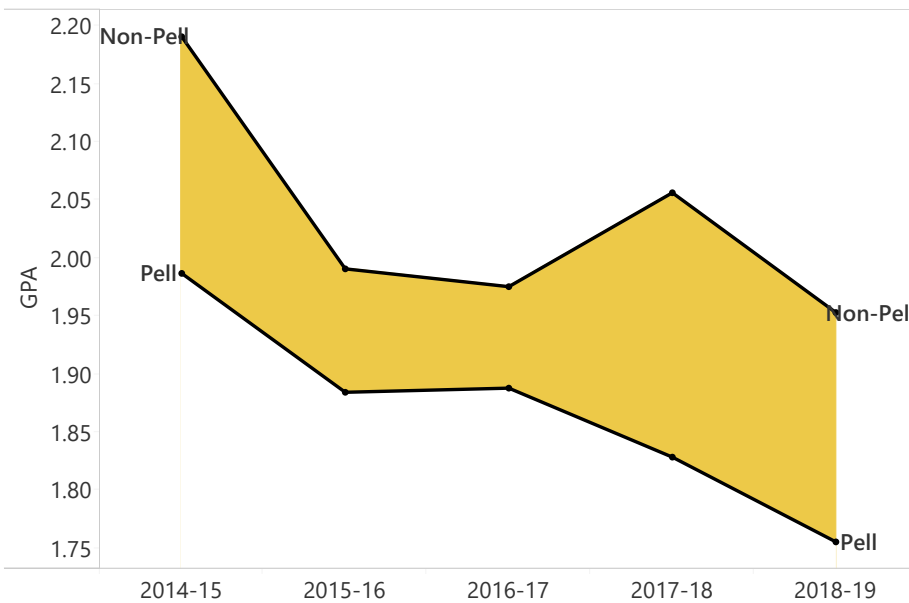
Income Gap: All CC Time Elapsed First Registration to Gateway Math Enrollment
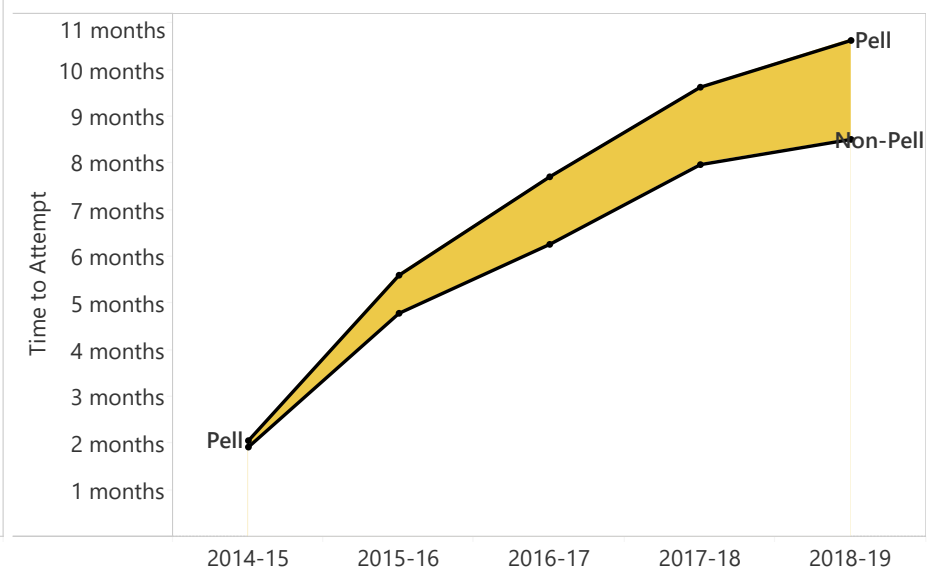
English Progression Start to Finish

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

All

First English Placement	Highest English Attempted	Highest English Passed
Next-Level Composition and Literature: 4%	Post-Gateway 100- 200-Level: 7%	Post-Gateway 100- 200-Level: 6%
Gateway English: 27%	Next-Level Composition and Literature: 20%	Next-Level Composition and Literature: 15%
Corequisite Developmental: 8%	Gateway English: 25%	Gateway English: 16%
Prerequisite Developmental: 22%	Prerequisite Developmental: 10%	Prerequisite Developmental: 6%
No English: 37%	No Further English: 37%	No Math Passed: 57%

English Progression Start to Finish
Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First English Placement

Next-Level Composition and Literature: 4%

Gateway English: 27%

Corequisite Developmental: 8%

Prerequisite Developmental: 22%

No English: 37%

Highest English Attempted

Post-Gateway 100- 200-Level: 6%

Next-Level Composition and Literature: 17%

Gateway English: 31%

Prerequisite Developmental: 46%

Highest English Passed

Post-Gateway 100- 200-Level: 4%

Next-Level Composition and Literature: 13%

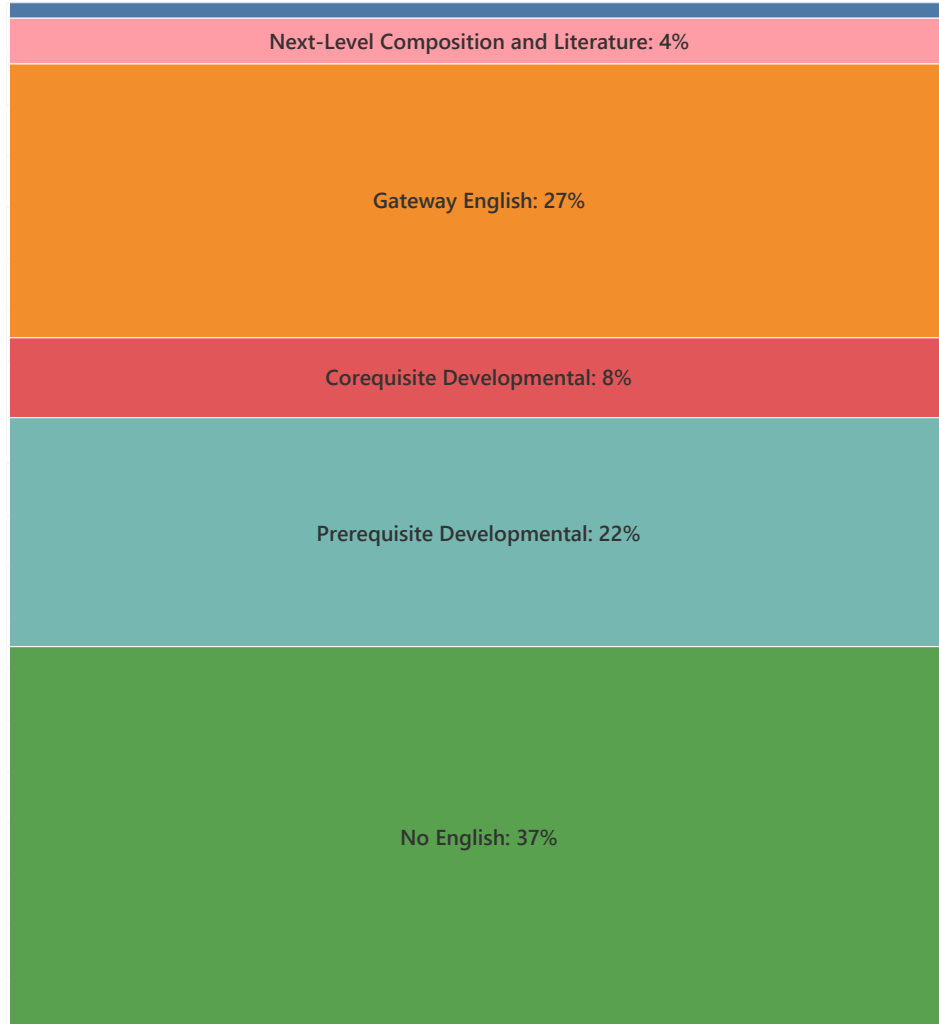Gateway English: 20%

Prerequisite Developmental: 29%

No Math Passed: 34%

English Progression Start to Finish
Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

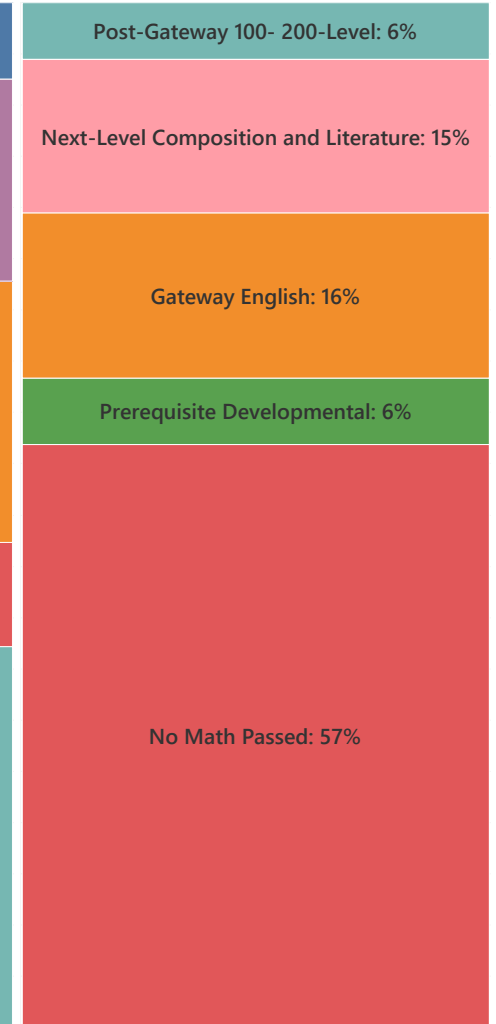**First English Placement**

Next-Level Composition and Literature: 4%

Gateway English: 27%

Corequisite Developmental: 8%

Prerequisite Developmental: 22%

No English: 37%

Highest English Attempted

Post-Gateway 100- 200-Level: 10%

Next-Level Composition and Literature: 36%

Gateway English: 54%

Highest English Passed

Post-Gateway 100- 200-Level: 7%

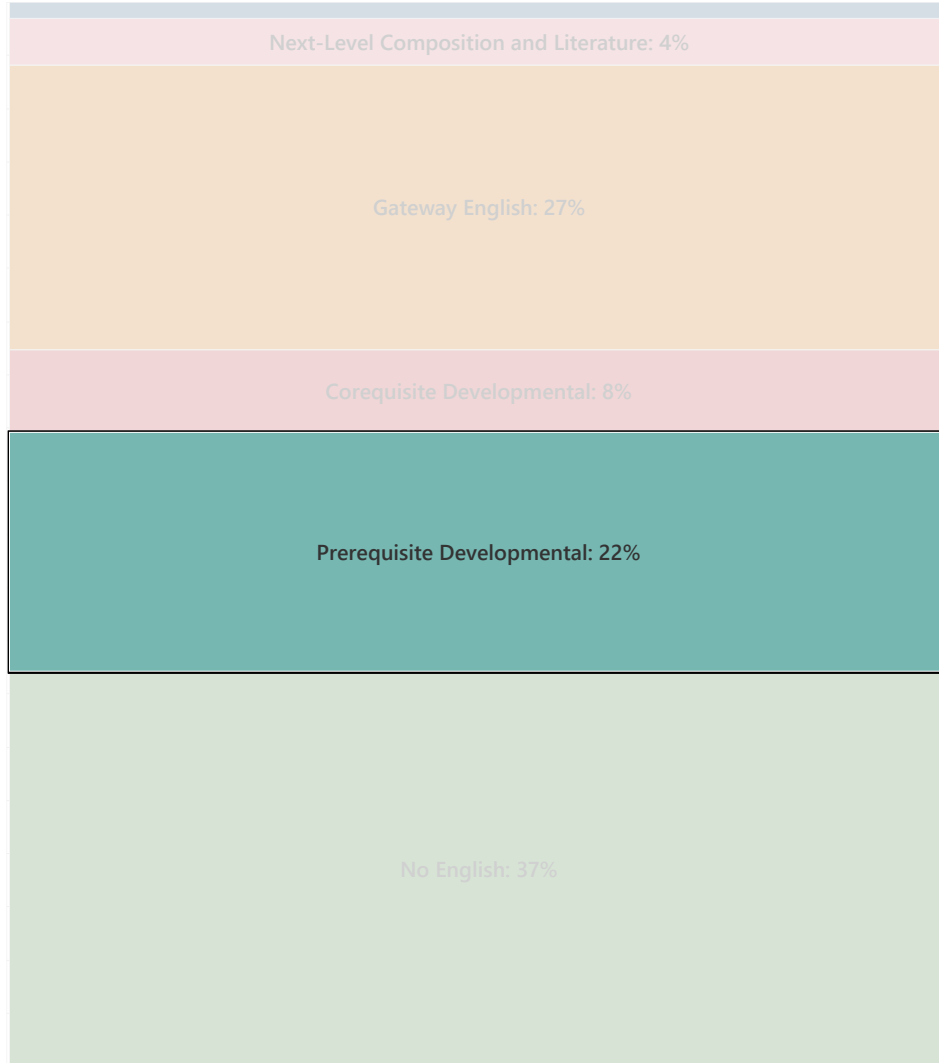Next-Level Composition and Literature: 27%
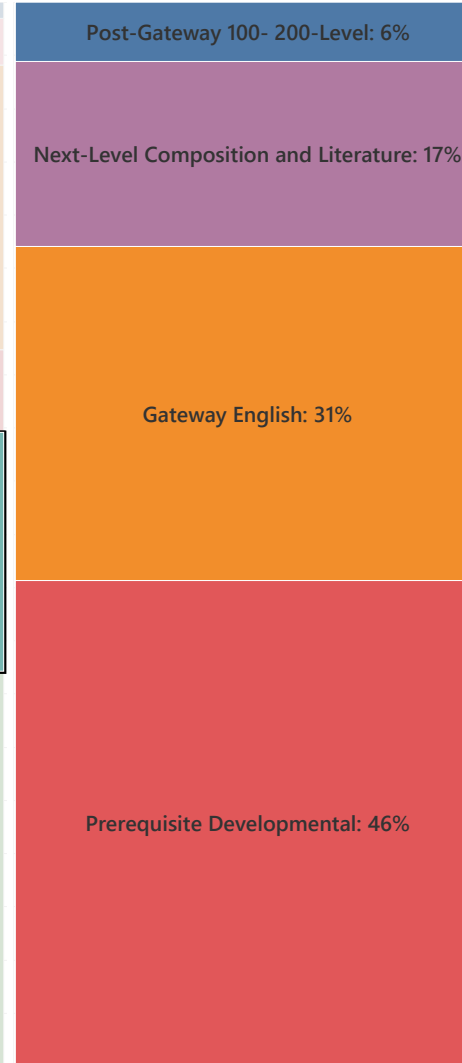
Gateway English: 35%

No Math Passed: 31%

English Progression Start to Finish
Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First English Placement
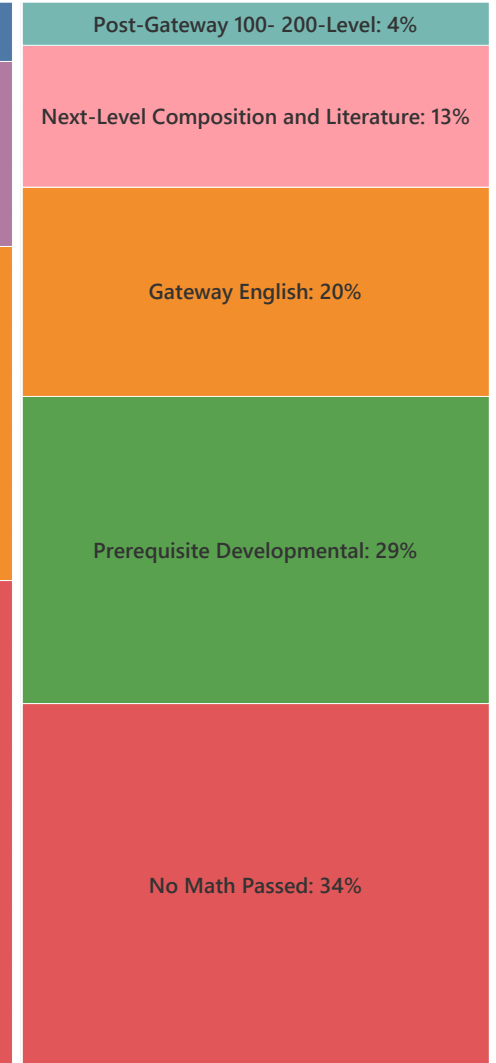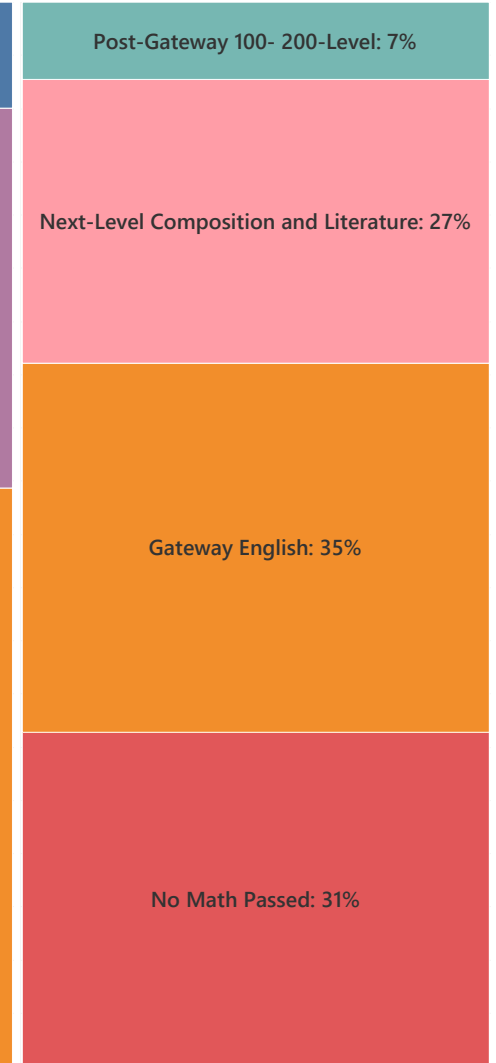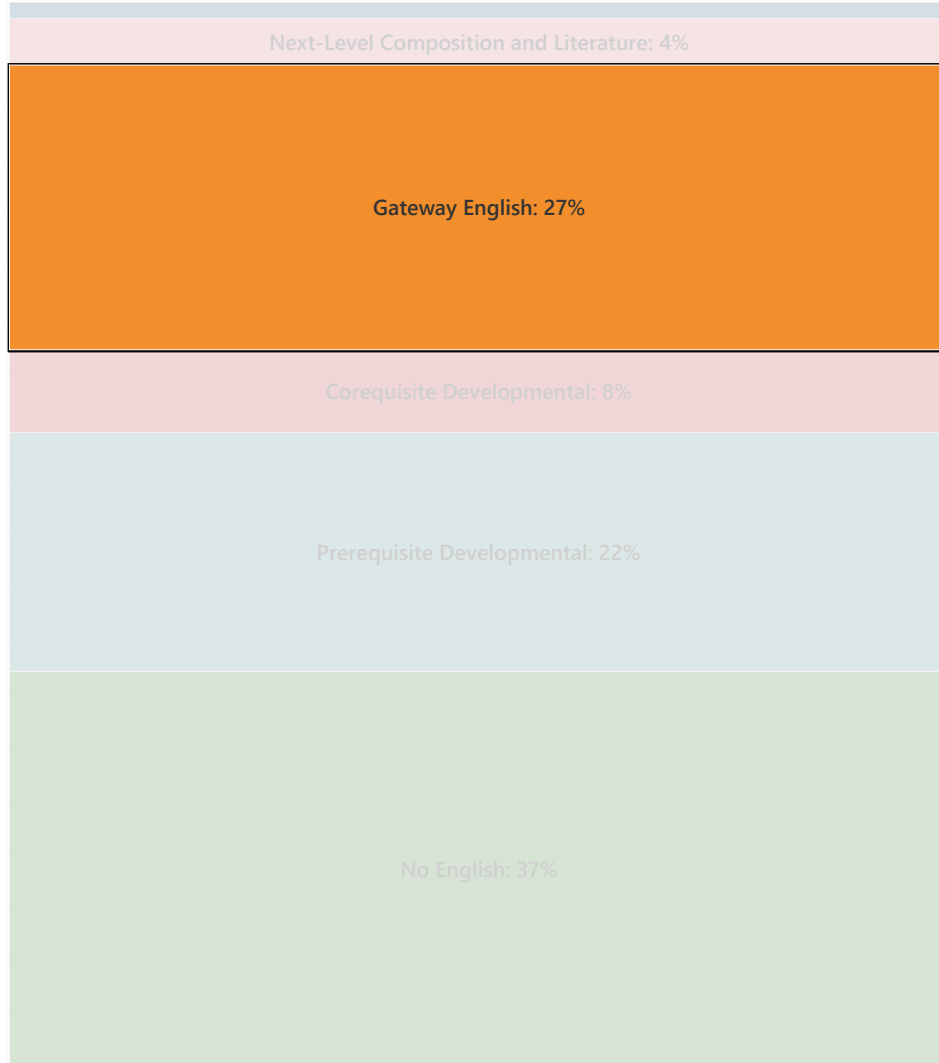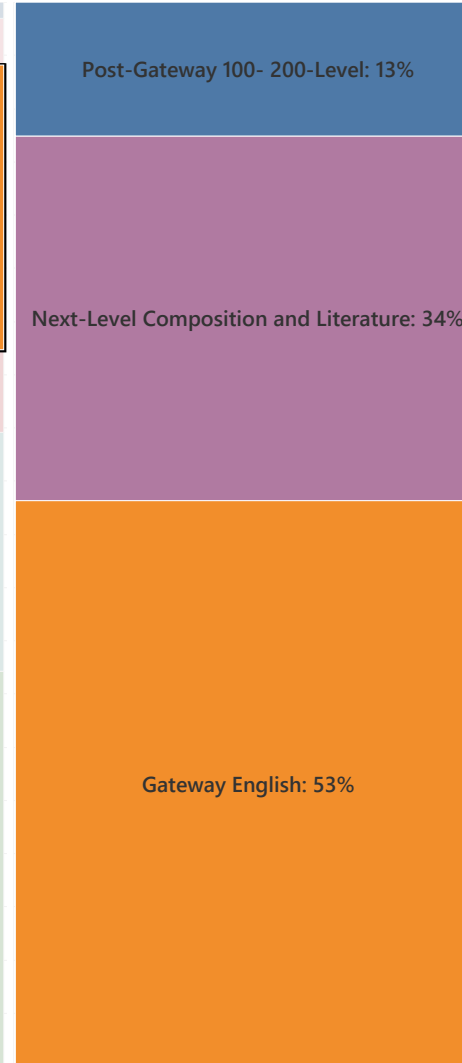
Next-Level Composition and Literature: 4%

Gateway English: 27%

Corequisite Developmental: 8%

Prerequisite Developmental: 22%

No English: 37%

Highest English Attempted

Post-Gateway 100- 200-Level: 13%

Next-Level Composition and Literature: 34%

Gateway English: 53%

Highest English Passed

Post-Gateway 100- 200-Level: 10%

Next-Level Composition and Literature: 27%

Gateway English: 34%

No Math Passed: 29%

Math Progression Start to Finish

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First Math Placement

Post-Gateway 100- 200-Level: 9%

Gateway: 15%

Corequisite Developmental: 6%

Prerequisite Developmental: 26%

No Math: 43%

Highest Math Attempted

Post-Gateway 100- 200-Level: 19%

Gateway Math: 23%

Prerequisite Developmental: 14%

No Further Math: 43%

Highest Math Passed

Post-Gateway 100- 200- Level: 13%
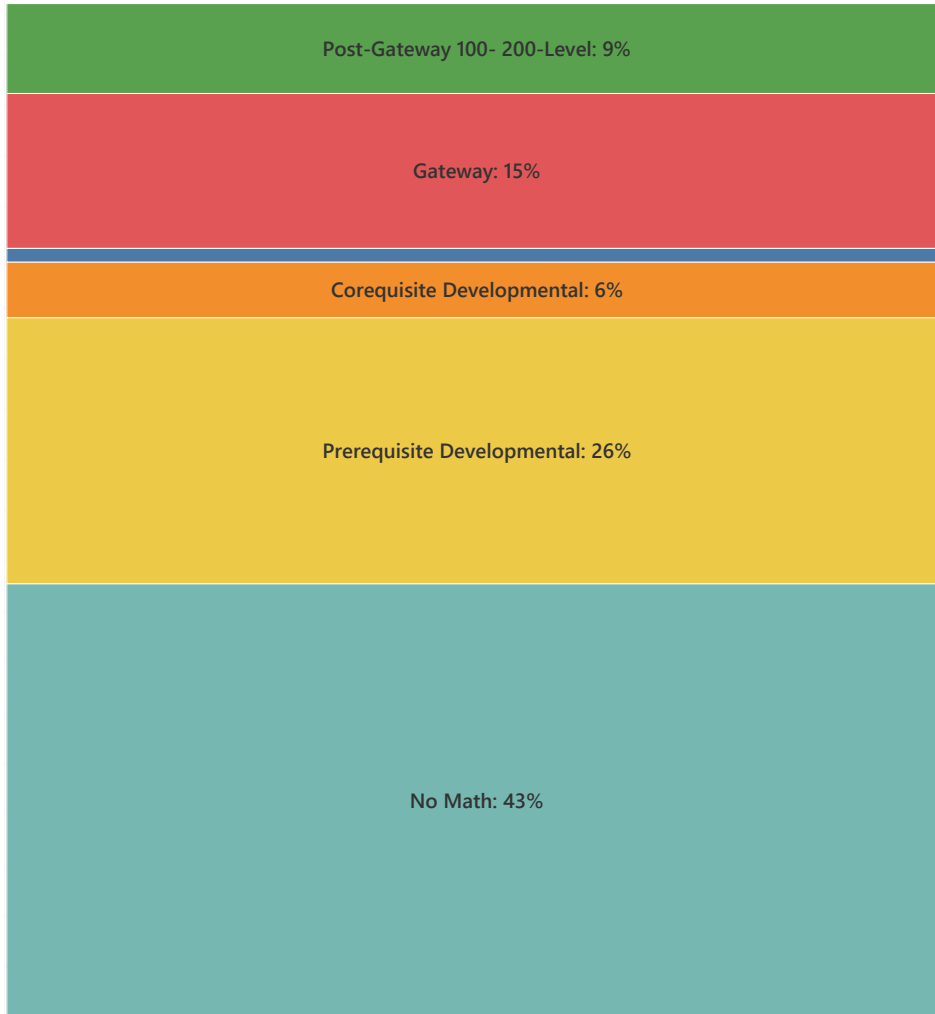
Gateway Math: 13%
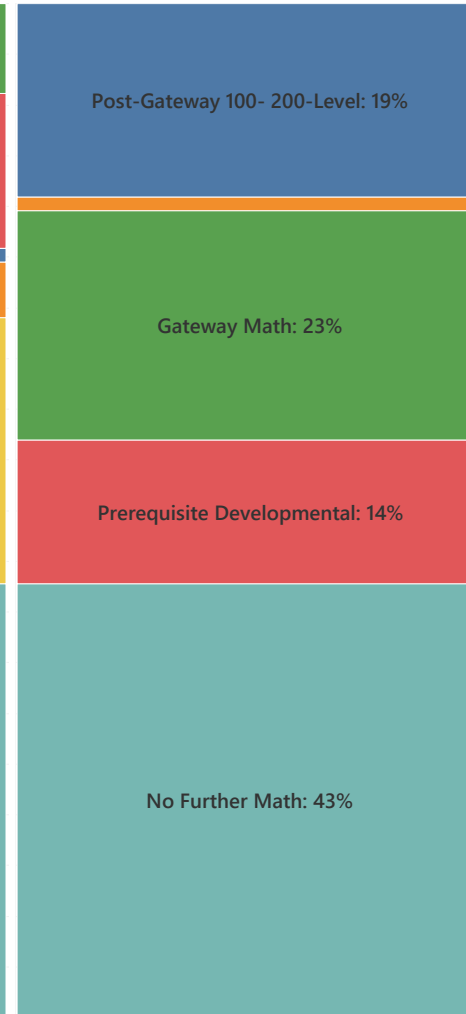
Prerequisite Developmental: 8%

No Math Passed: 65%

Math Progression Start to Finish

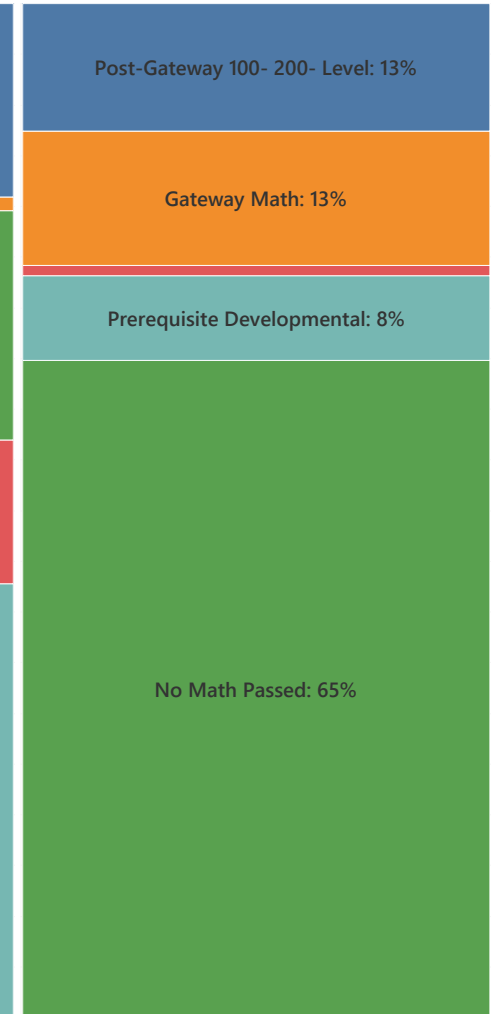Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First Math Placement

Post-Gateway 100- 200-Level: 9%

Gateway: 15%

Corequisite Developmental: 6%

Prerequisite Developmental: 26%

No Math: 43%

Highest Math Attempted

Post-Gateway 100- 200-Level: 11%

Gateway Math: 33%

Prerequisite Developmental: 54%

Highest Math Passed

Post-Gateway 100- 200- Level: 7%

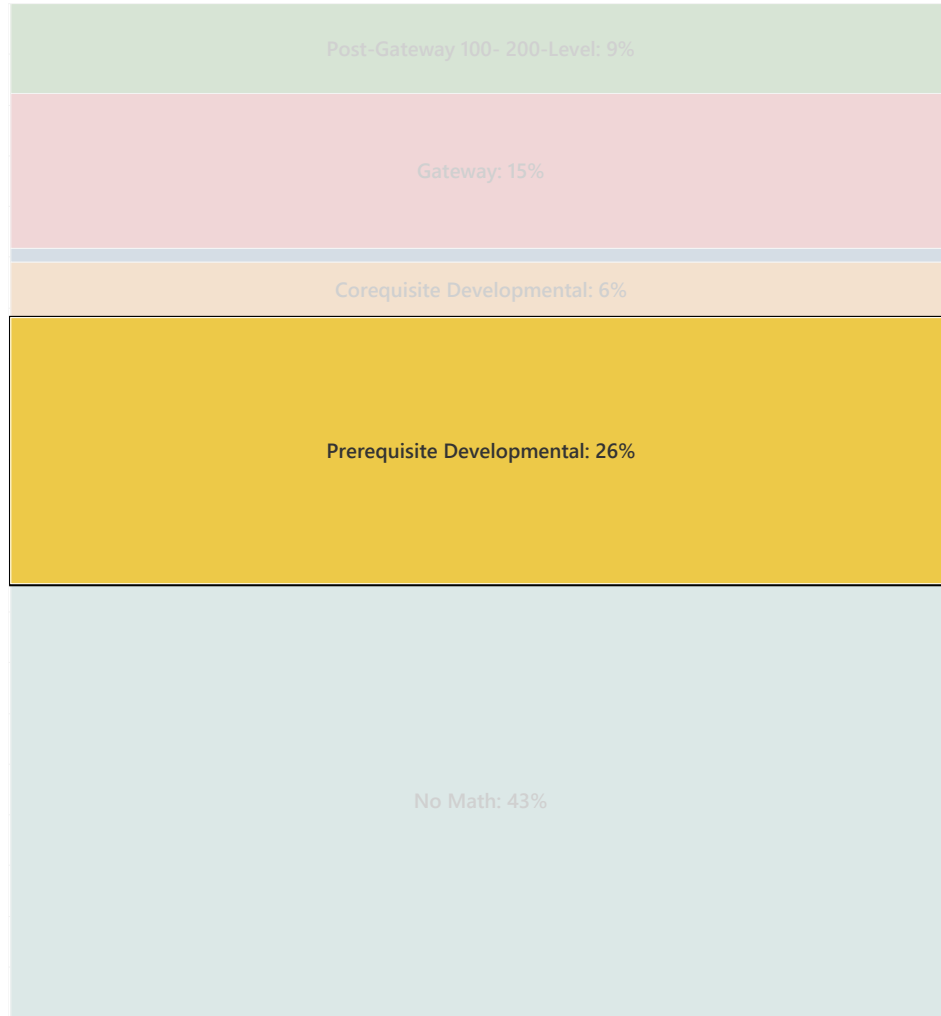Gateway Math: 17%
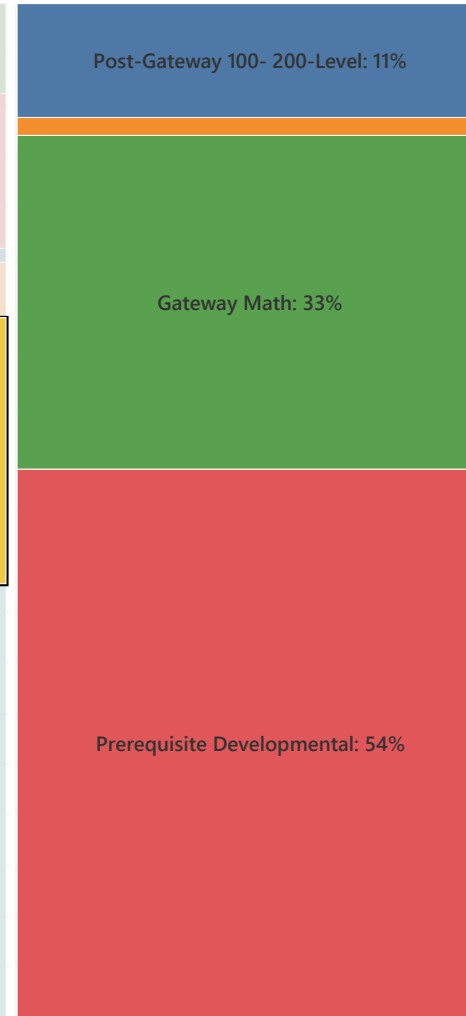
Prerequisite Developmental: 32%

No Math Passed: 42%

Math Progression Start to Finish

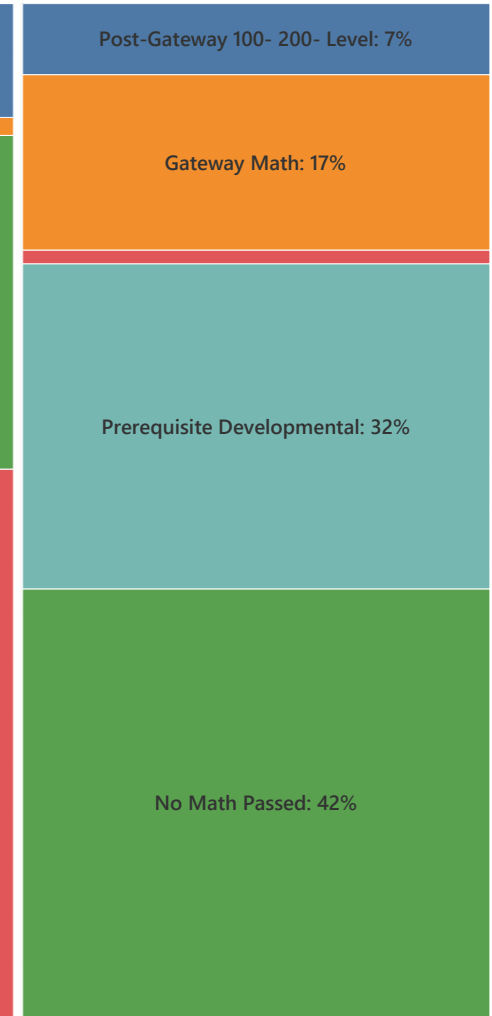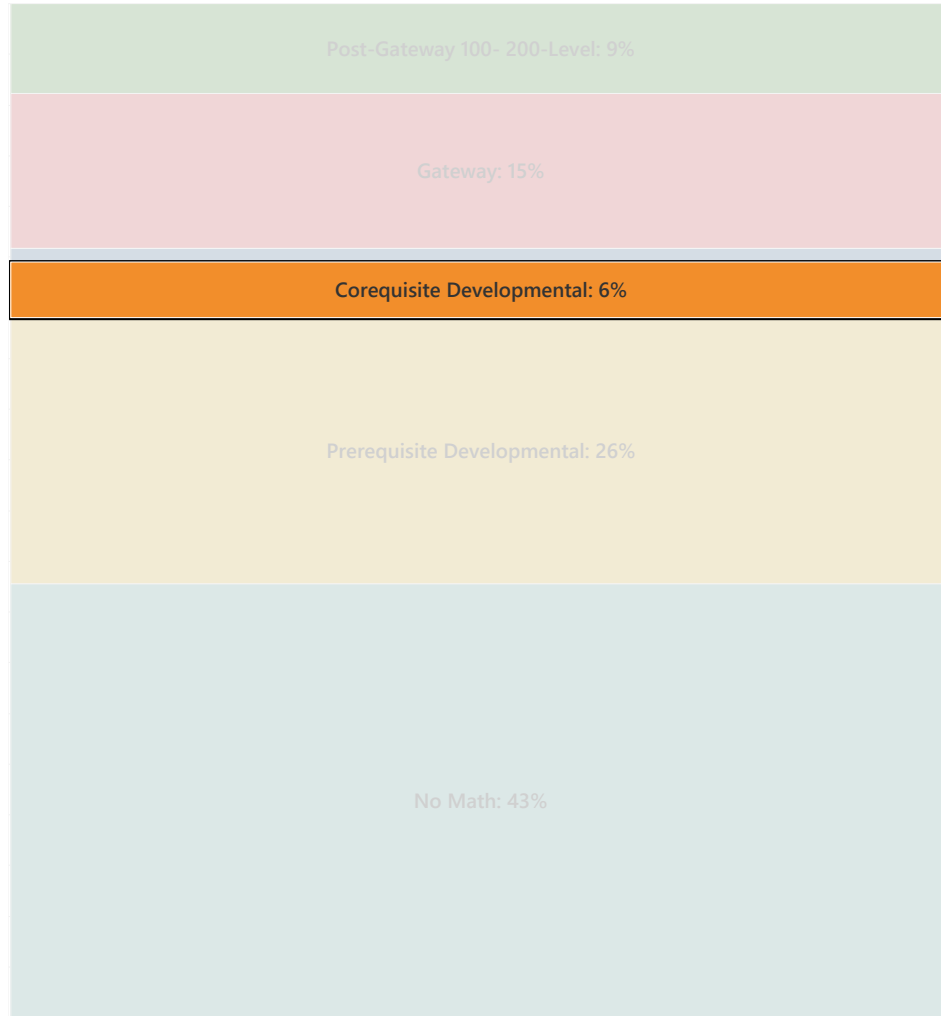Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First Math Placement

Post-Gateway 100- 200-Level: 9%

Gateway: 15%

Corequisite Developmental: 6%

Prerequisite Developmental: 26%

No Math: 43%

Highest Math Attempted

Post-Gateway 100- 200-Level: 30%

Gateway Math: 70%

Highest Math Passed

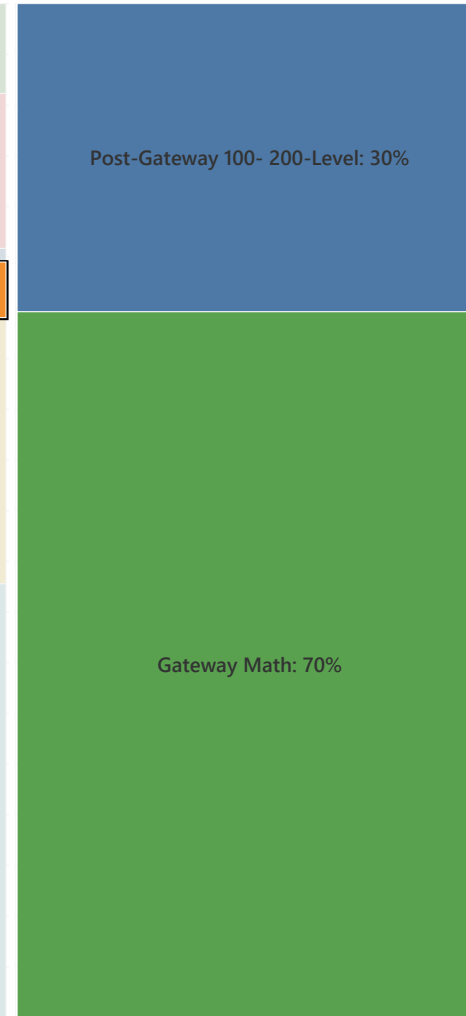Post-Gateway 100- 200- Level: 18%

Gateway Math: 40%

No Math Passed: 42%

Math Progression Start to Finish
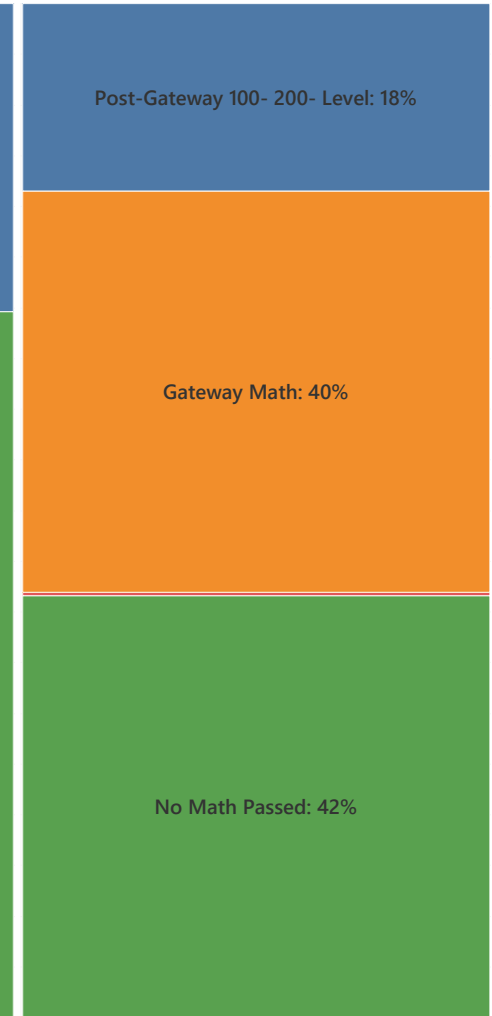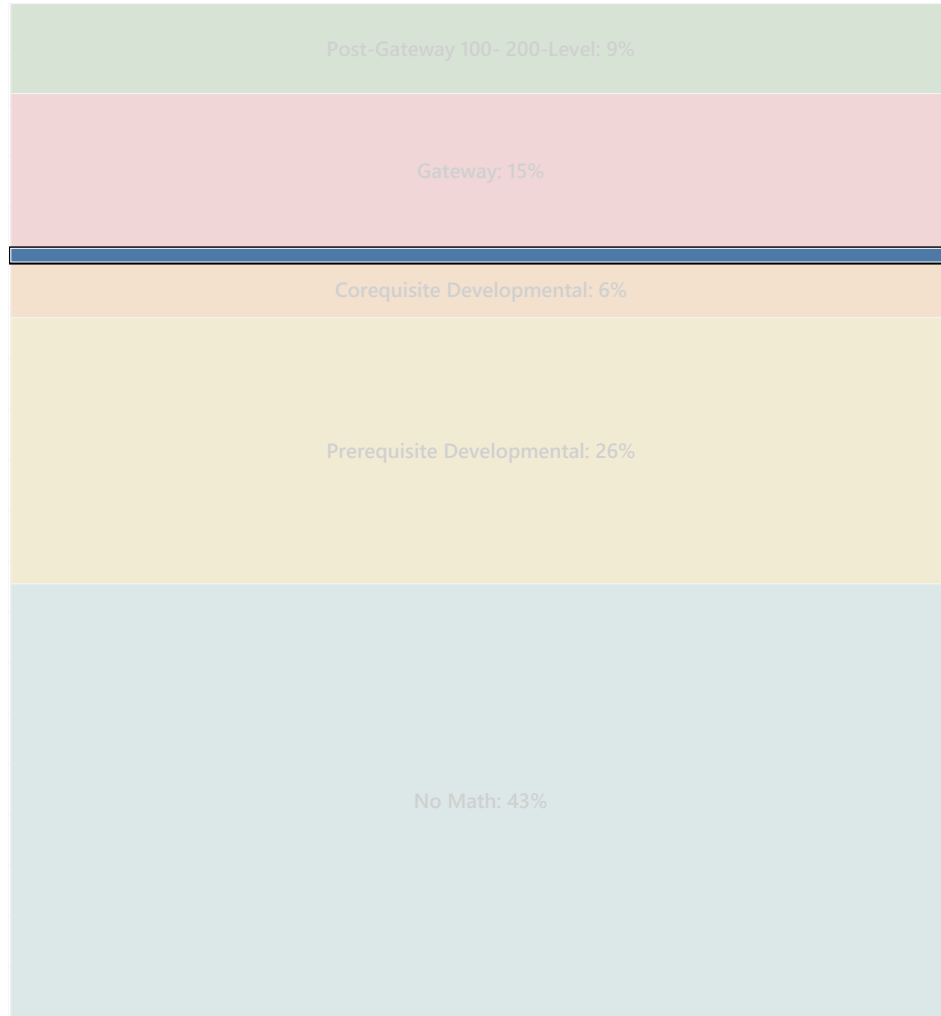Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First Math Placement

Post-Gateway 100- 200-Level: 9%

Gateway: 15%

Corequisite Developmental: 6%

Prerequisite Developmental: 26%

No Math: 43%

Highest Math Attempted

Post-Gateway 100- 200-Level: 14%

Beginner Stats or Alternative Gateway: 66%

Gateway Math: 20%

Highest Math Passed

Post-Gateway 100- 200- Level: 9%

Gateway Math: 9%

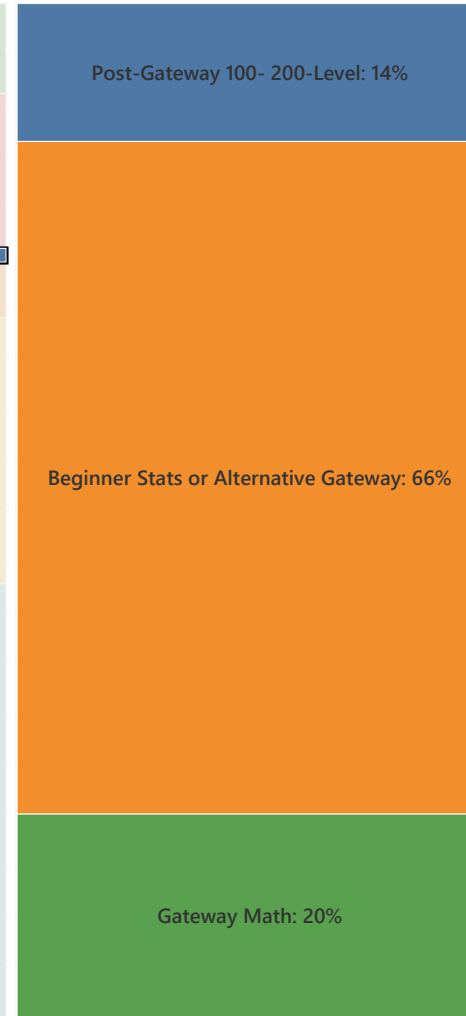Beginner Stats or Alternative Gateway: 45%

No Math Passed: 37%

Math Progression Start to Finish

Degree-seeking, New or Transfer-In Students Starting Fall 2014 - Spring 2019

First Math Placement
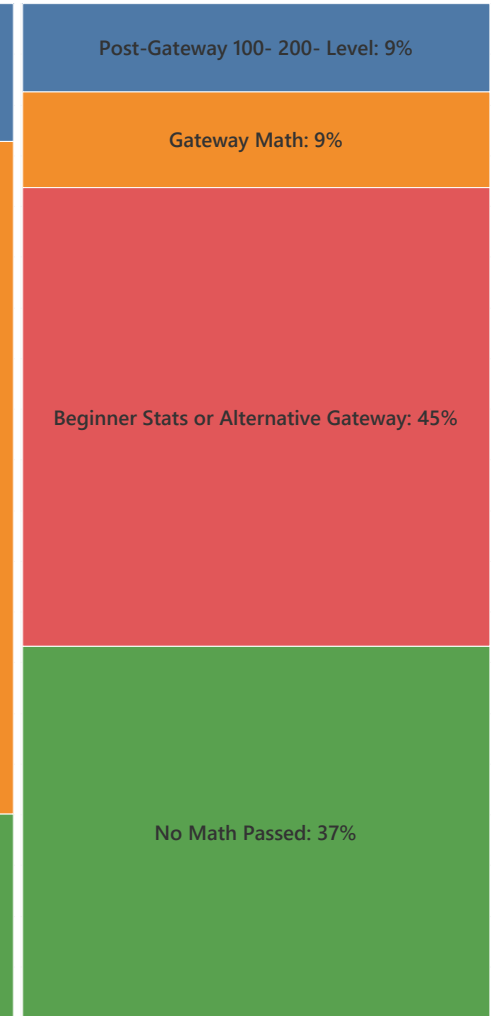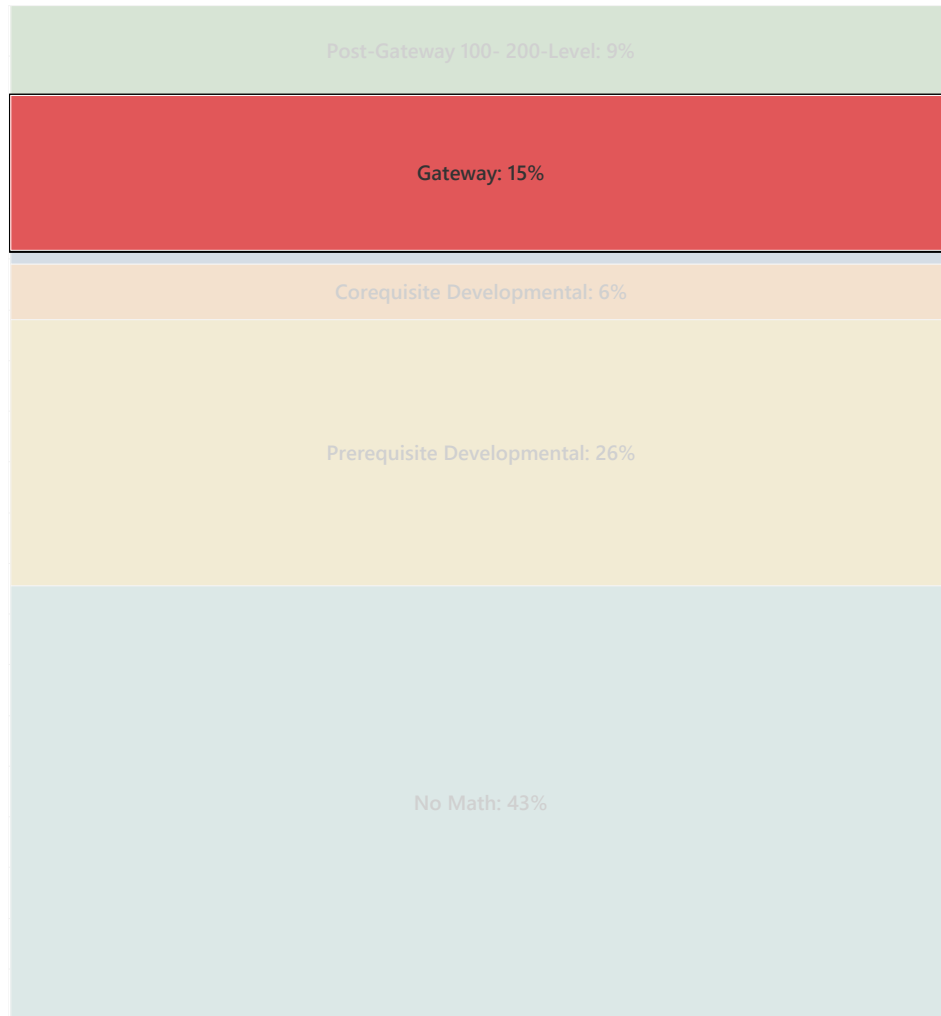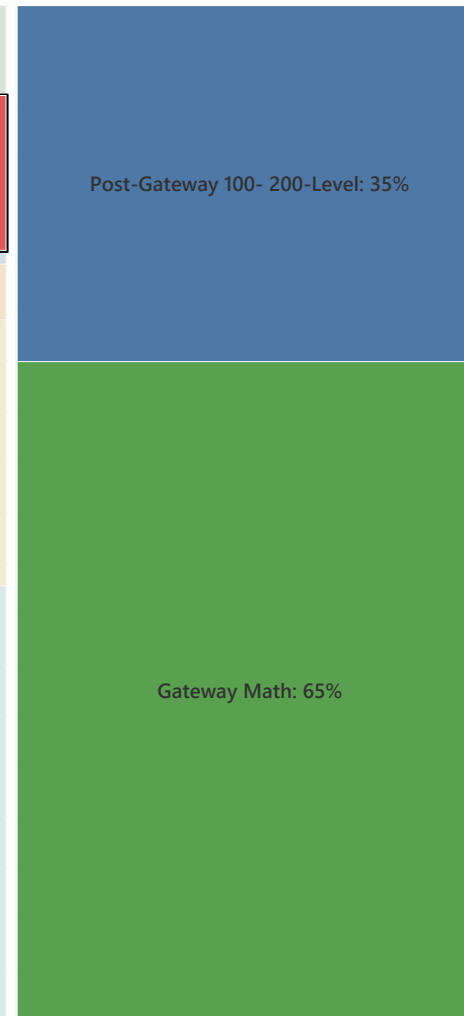
Post-Gateway 100- 200-Level: 9%

Gateway: 15%

Corequisite Developmental: 6%

Prerequisite Developmental: 26%

No Math: 43%

Highest Math Attempted

Post-Gateway 100- 200-Level: 35%

Gateway Math: 65%

Highest Math Passed

Post-Gateway 100- 200- Level: 24%

Gateway Math: 42%

No Math Passed: 34%