



THE COLLEGE SYSTEM  
*of* TENNESSEE

# Building a Momentum Year

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Creating a Clear  
Path to Success




# Since 2013...

Community College  
3yr Graduation Rate

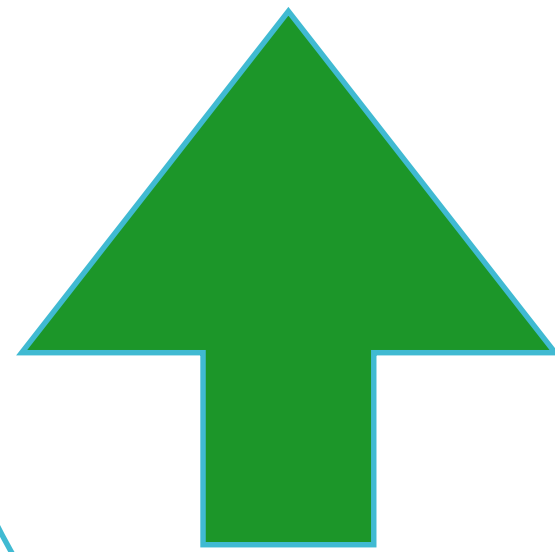
 42%

University  
4yr Graduation Rate

 26%

# Since 2013...

Community College  
3yr Graduation Rate

 88%

University  
4yr Graduation Rate

 51%

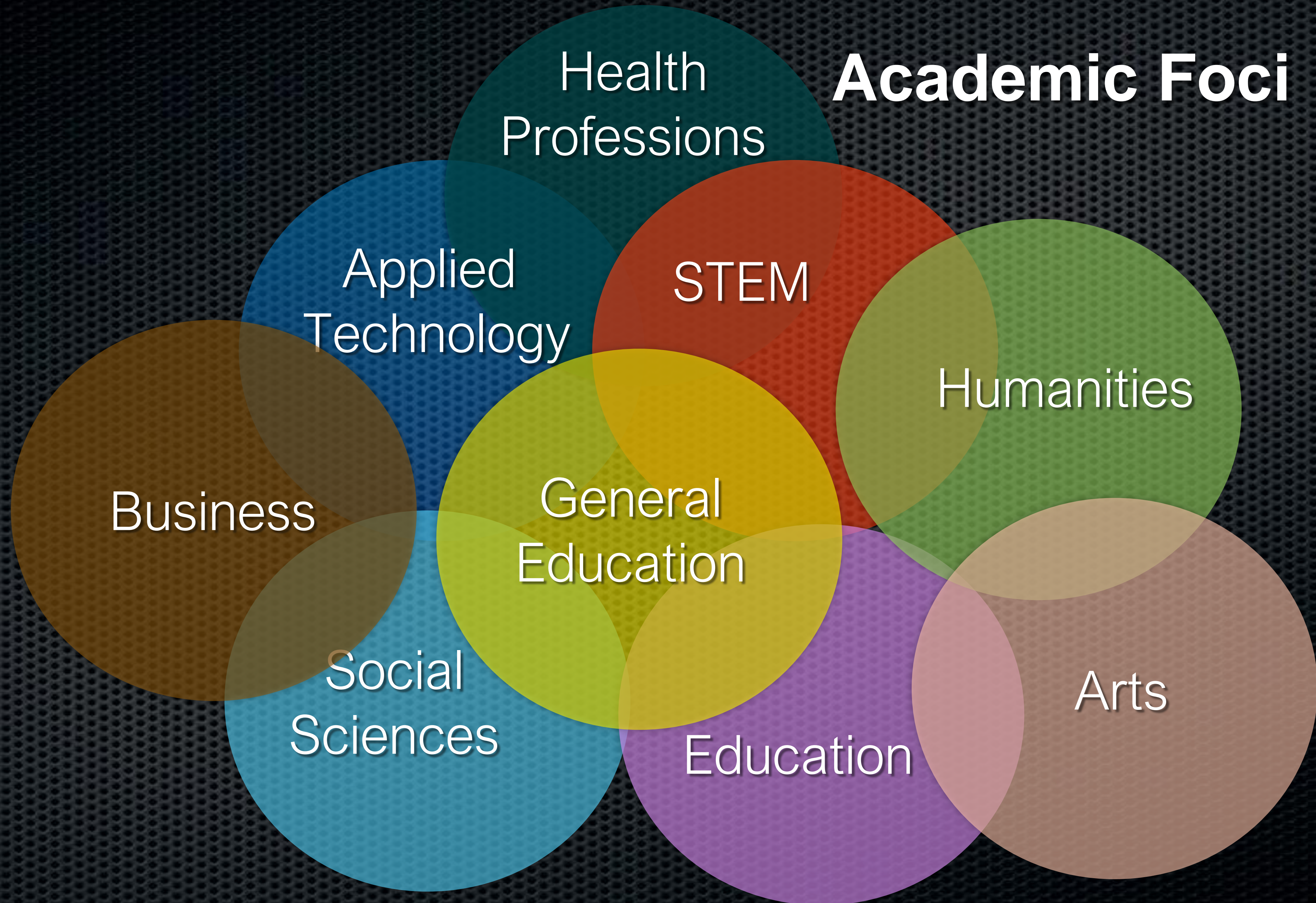




# ARCHITECTED PROGRAM CHOICE



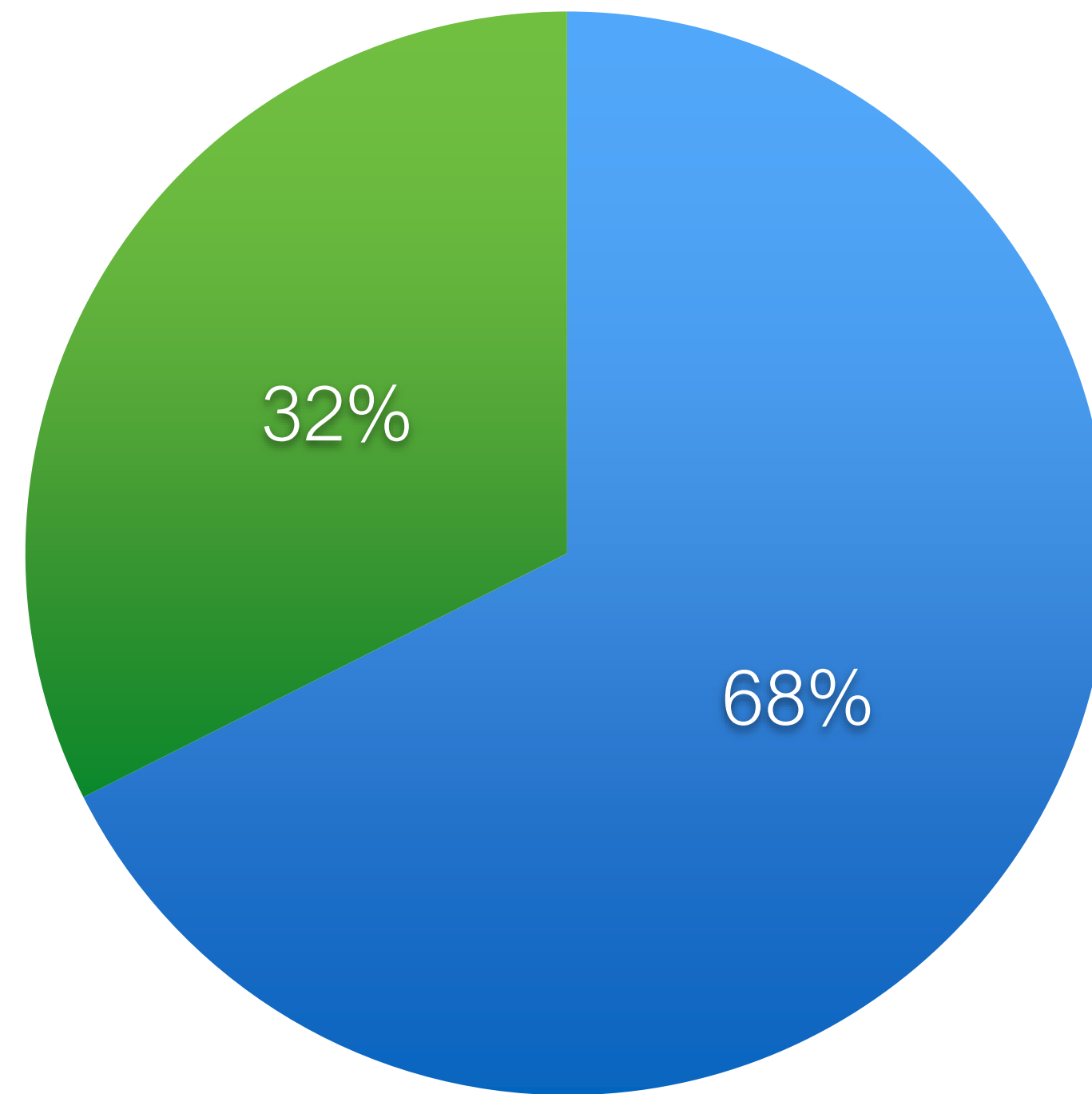
# Academic Foci



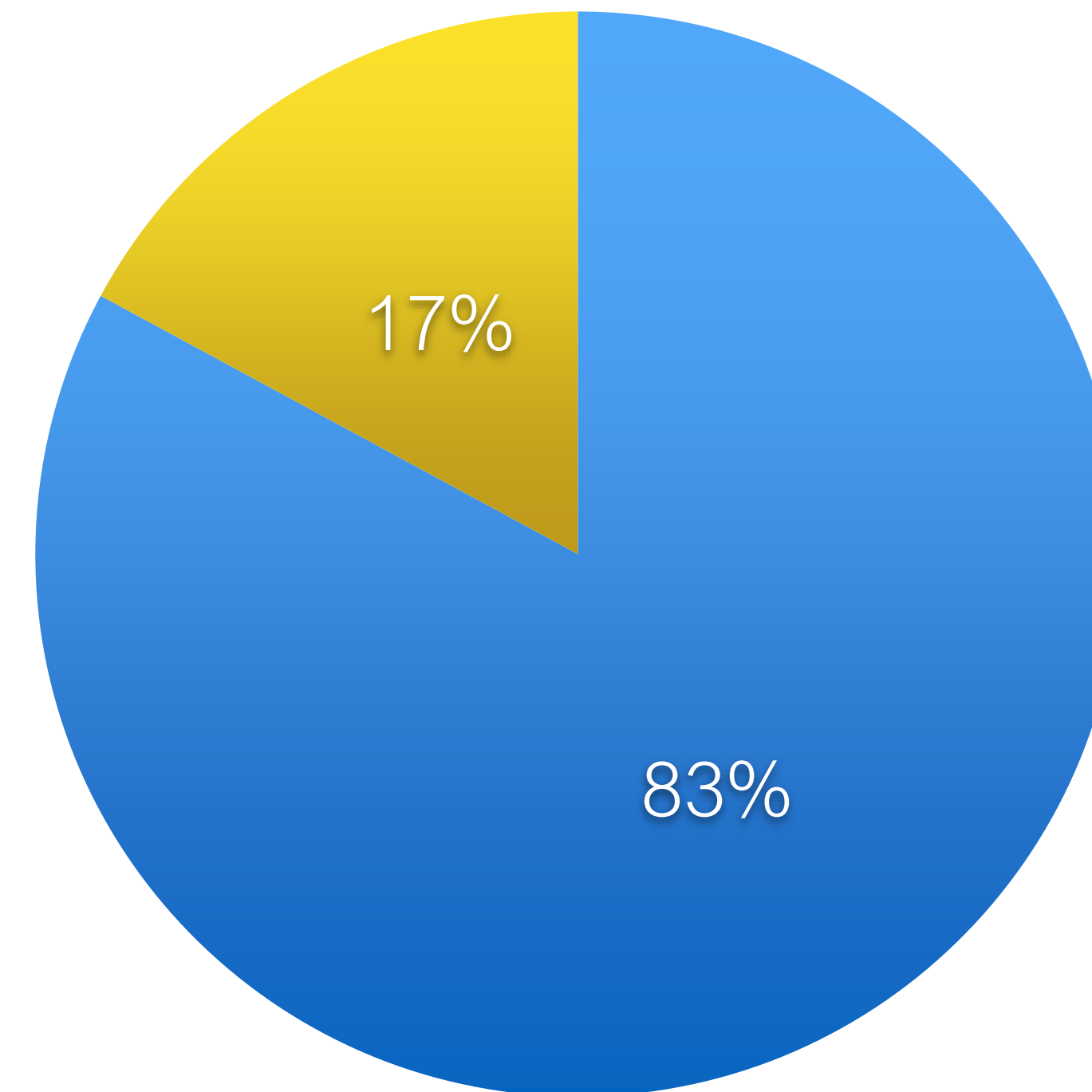


# Enrollment Patterns for Incoming University Freshmen

Freshmen 2013-14



Freshmen 2015-16



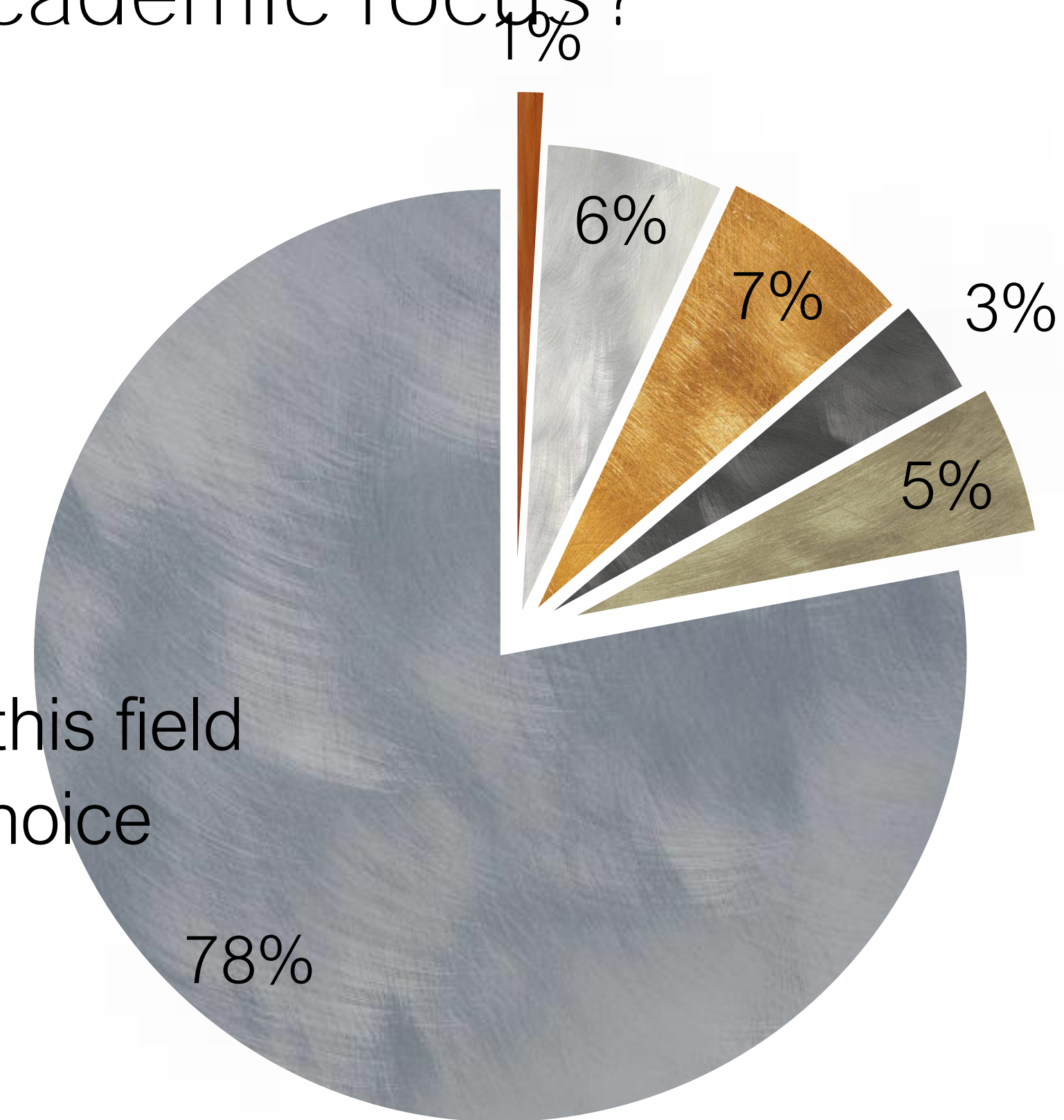
■ Declared

■ Undeclared

# How did the existence of academic foci affect student program choice?

Why did you pick your program or academic focus?

- I Had to Pick Something
- I have not selected a final major yet
- The salary potential is attractive to me
- I know someone who majored or works in this field
- My parents or an advisor suggested this choice
- My interests lie in this area



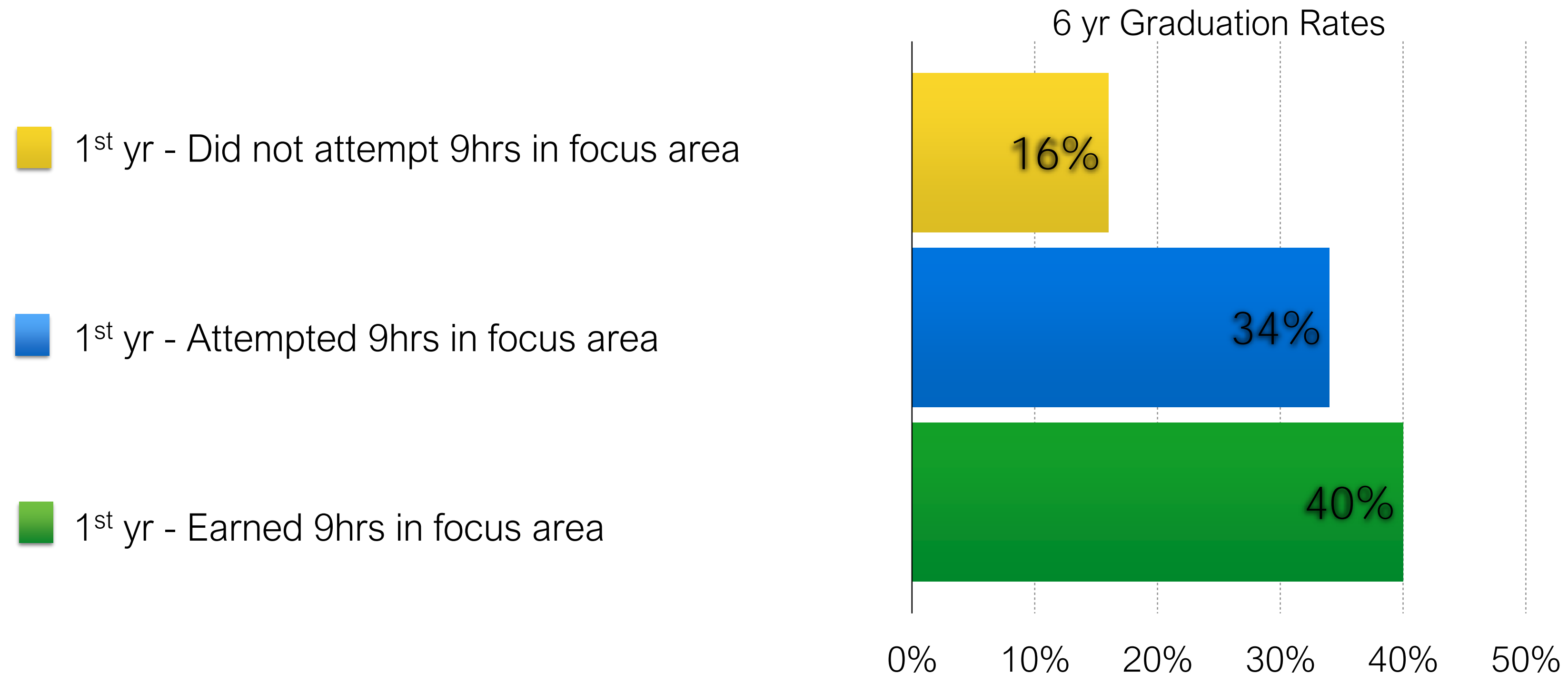


# Focus Courses



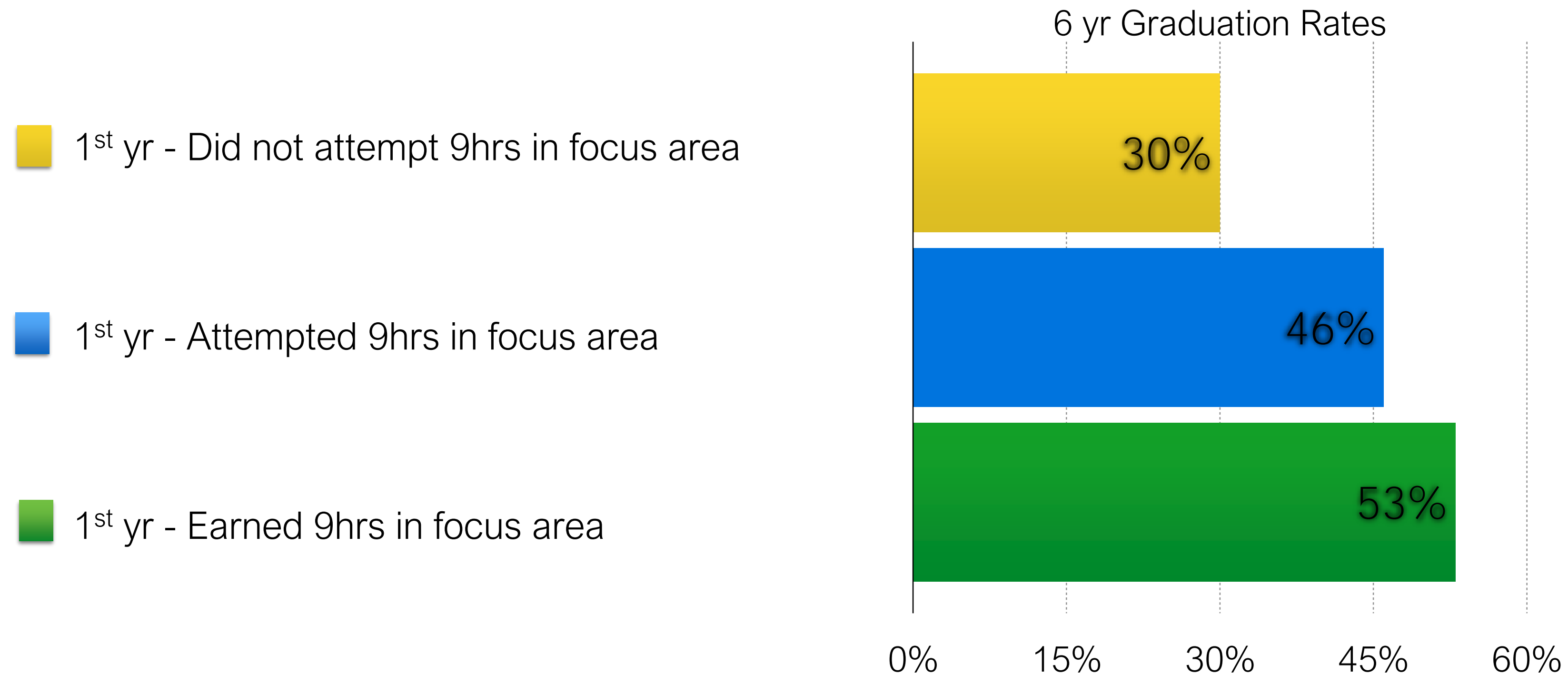


# The effect of course enrollments in the first year on Community College graduation rates





# The effect of course enrollments in the first year on the University graduation rates





A man with short brown hair and a light beard is sitting at a desk in a library. He is looking directly at the camera with a weary expression, his hands pressed against his temples. In front of him is an open book. To his left and right are large stacks of various books. The background is filled with tall bookshelves packed with books, creating a sense of a vast library. The lighting is warm and focused on the man.

# Academic Mindset



# Perceived Purpose of Coursework

	Low Perception	High Perception	Difference	Effect size
<b>Math Co- Requisite Success Rate</b>	60.2%	66.5%	6.3pp	2.08
<b>Writing Co- requisite Success Rate</b>	61.3%	70.8%	9.5pp	3.73
<b>Earned Hour%</b>	65.1%	72.5%	7.4pp	4.85
<b>Fall to Spring Retention Rate</b>	72.4%	77%	4.6pp	2.62





What are the elements of making a **purposeful choice** of program?



# Productive Academic Mindset

Perceived purpose of coursework

Feel connected to their institution  
**and that they belong...**

Believe they are capable of learning the  
**material...**

Confidence interacting with Faculty and Staff

GRIT and Perseverance



# Productive Academic Mindset

Perceived purpose of coursework

+15%  
GPA

Feel connected to their institution  
**and that they belong...**

+12pp  
URM  
Retention

Believe they are capable of learning the  
**material...**

+19pp  
Earned  
SCHr %

Confidence interacting with Faculty and Staff

+6pp  
Earned  
SCHr %

GRIT and Perseverance

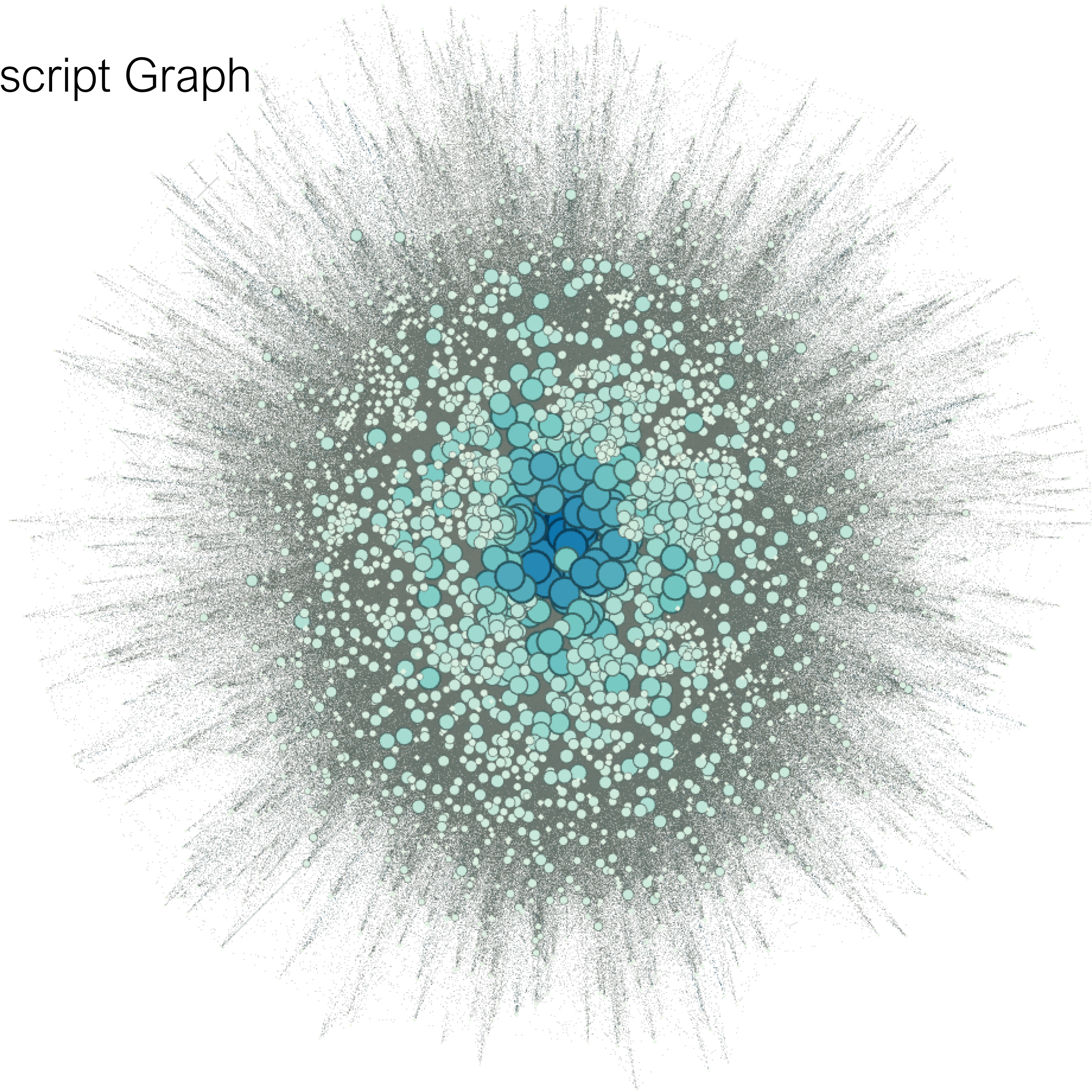
+9pp  
Math CoReq  
Success



# WHAT DATA SAYS ABOUT THE PATHS

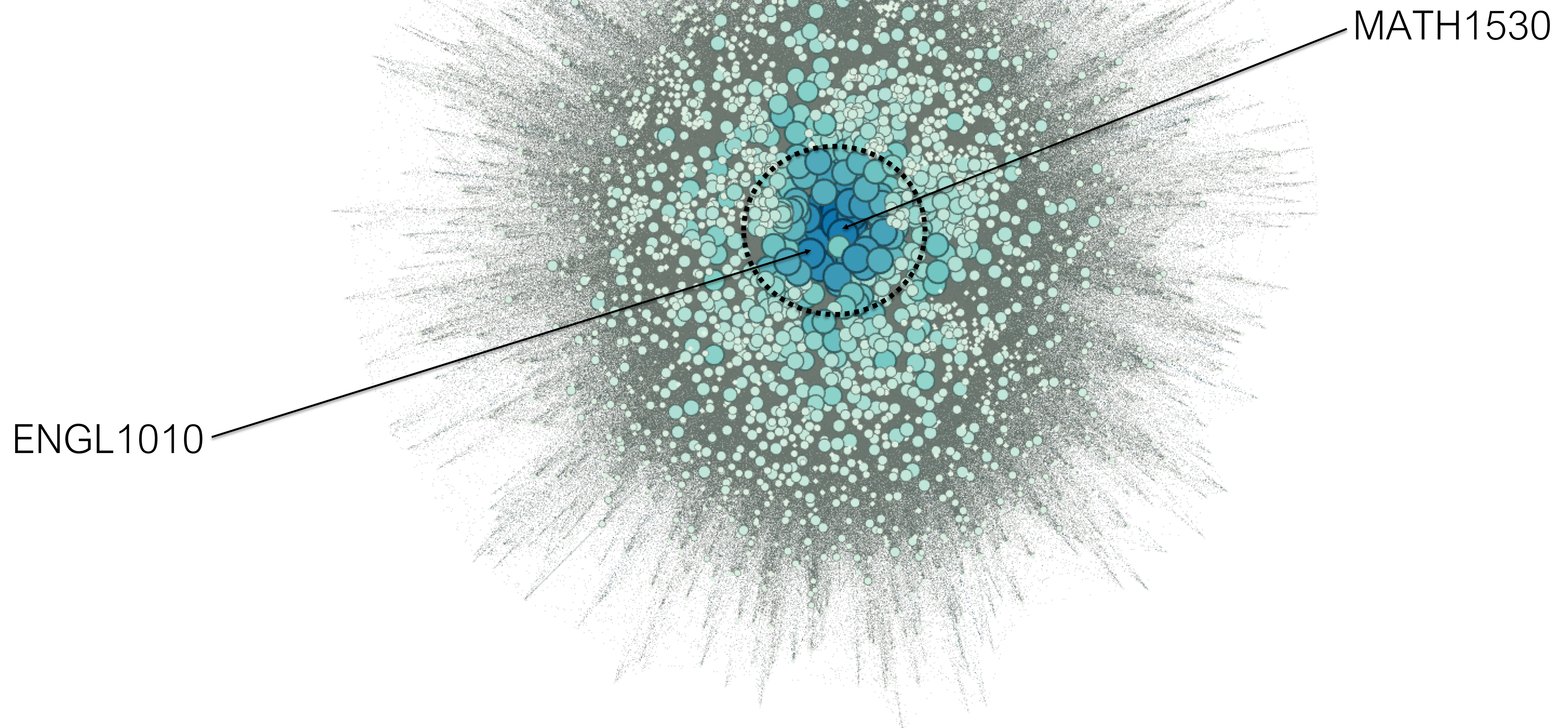


# The Graduate Transcript Graph



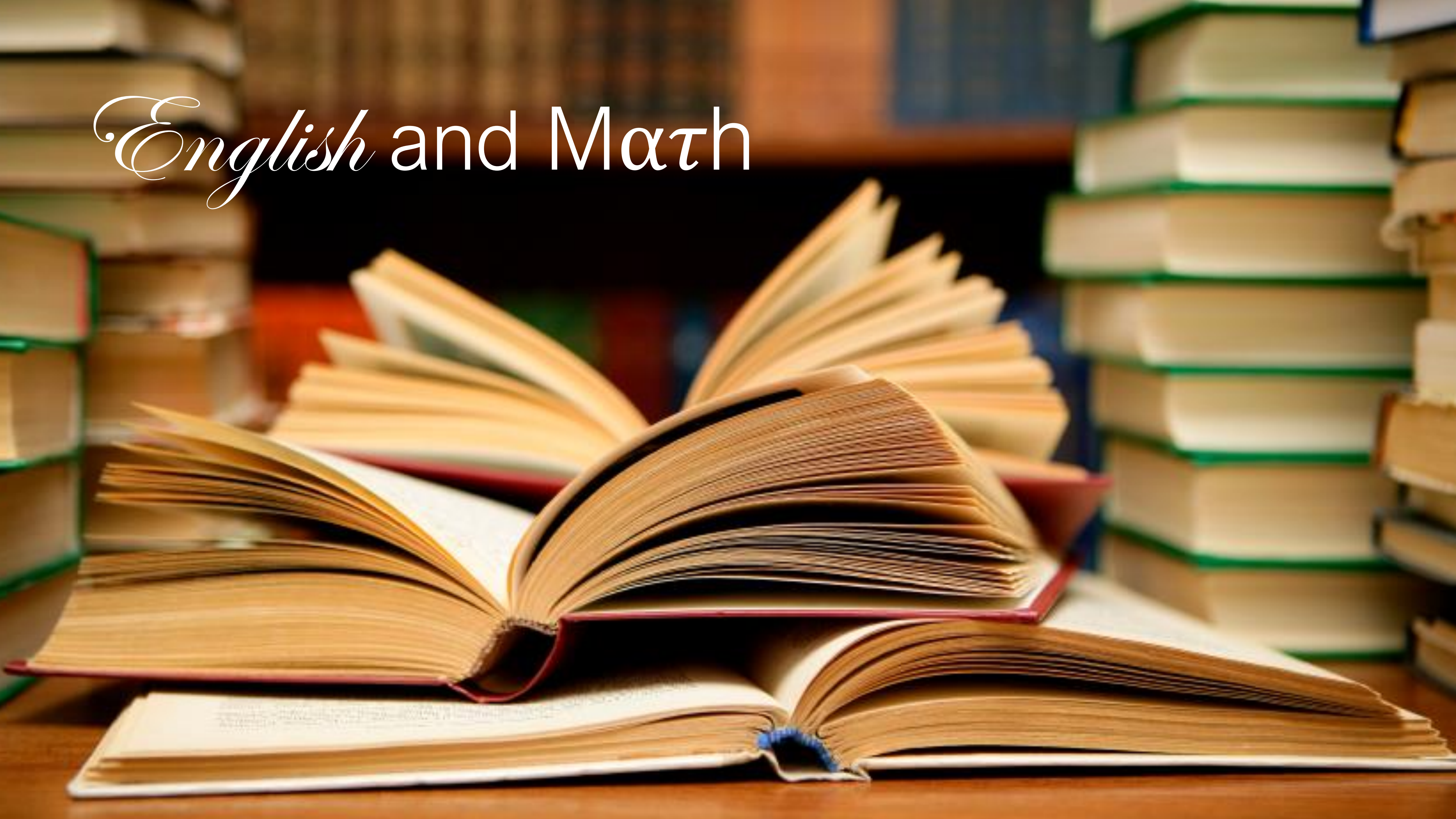


# The Graduate Transcript Graph





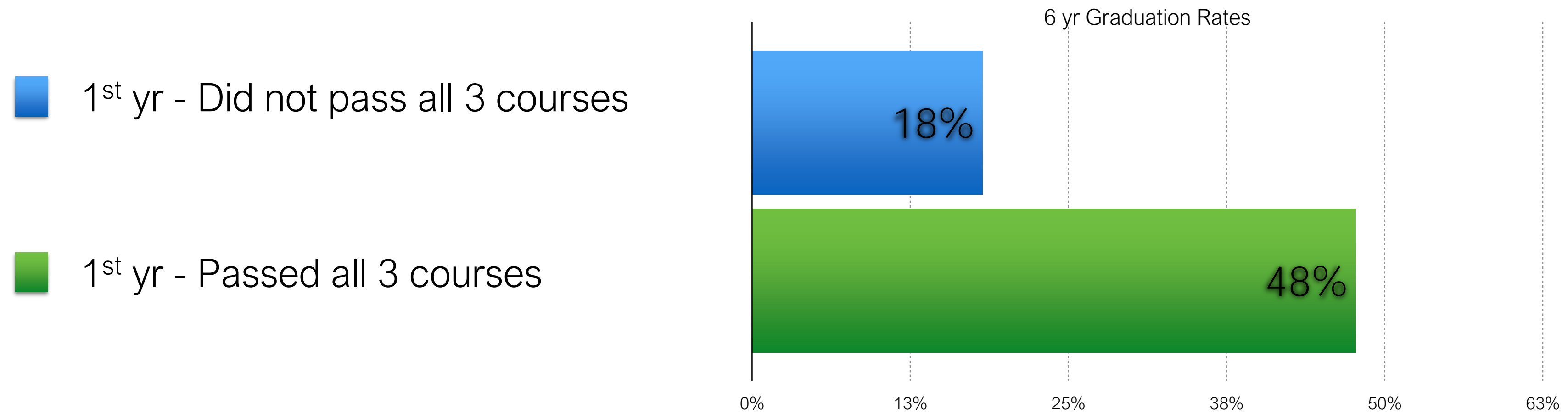
# *English* and Μαθη





## Graduation Rates for Community College

# *English* and Math



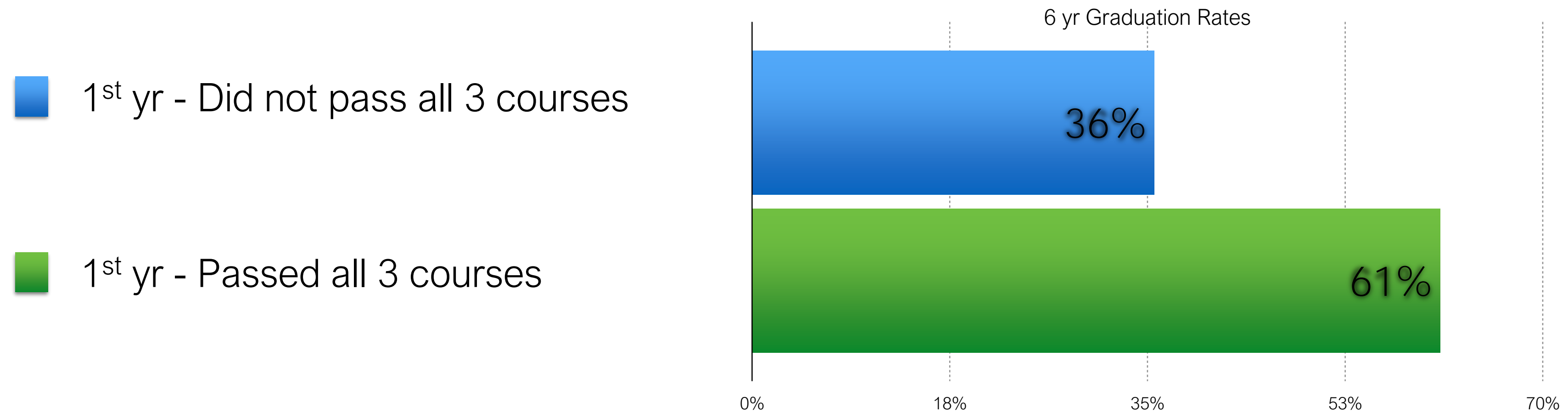
Freshmen completion of:

- English Composition I
- English Composition II
- A General Education satisfying Math Class



## Graduation Rates for Universities

# *English* and Math



Freshmen completion of:

- English Composition I
- English Composition II
- A General Education satisfying Math Class





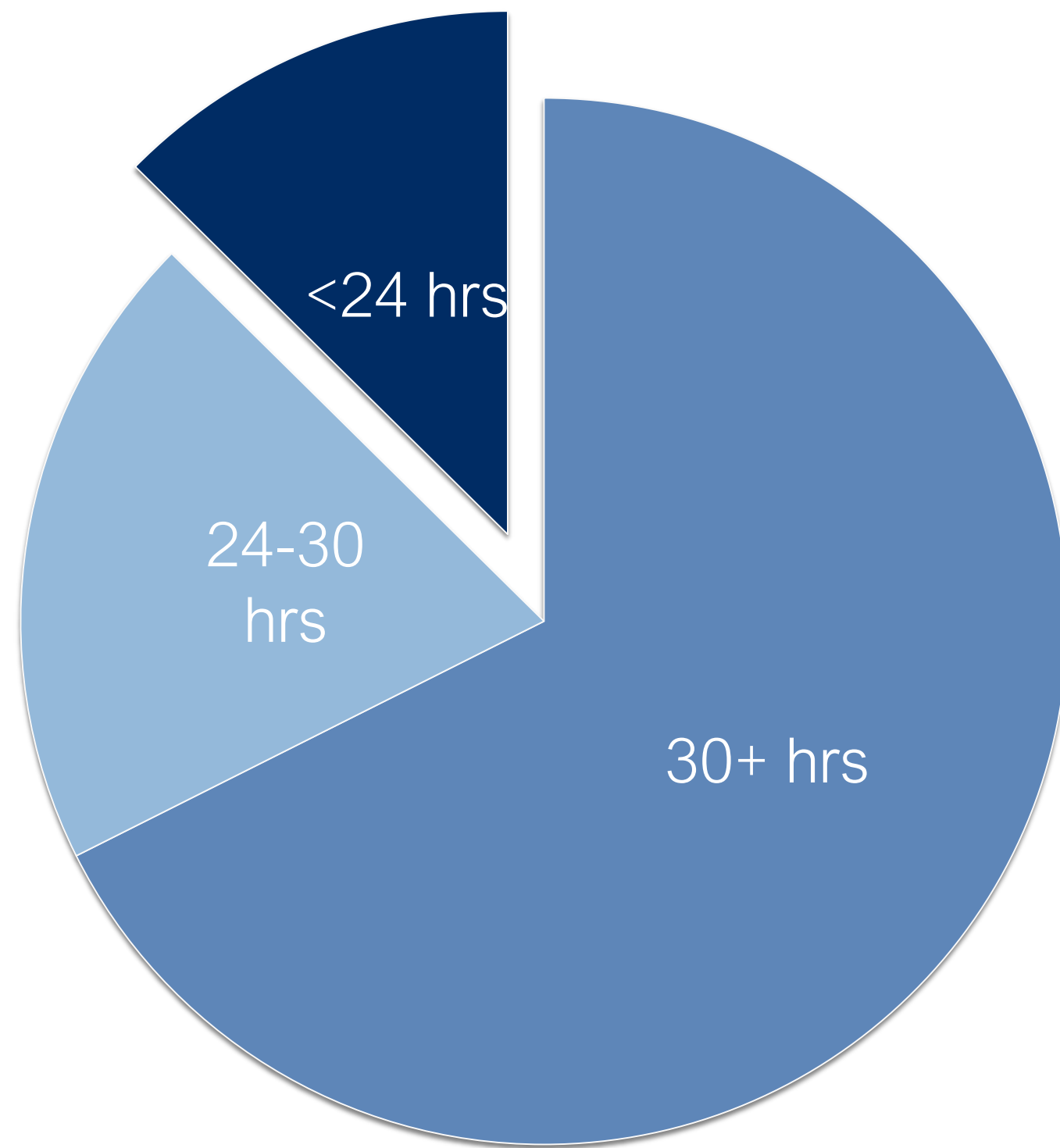
# Math Pathways



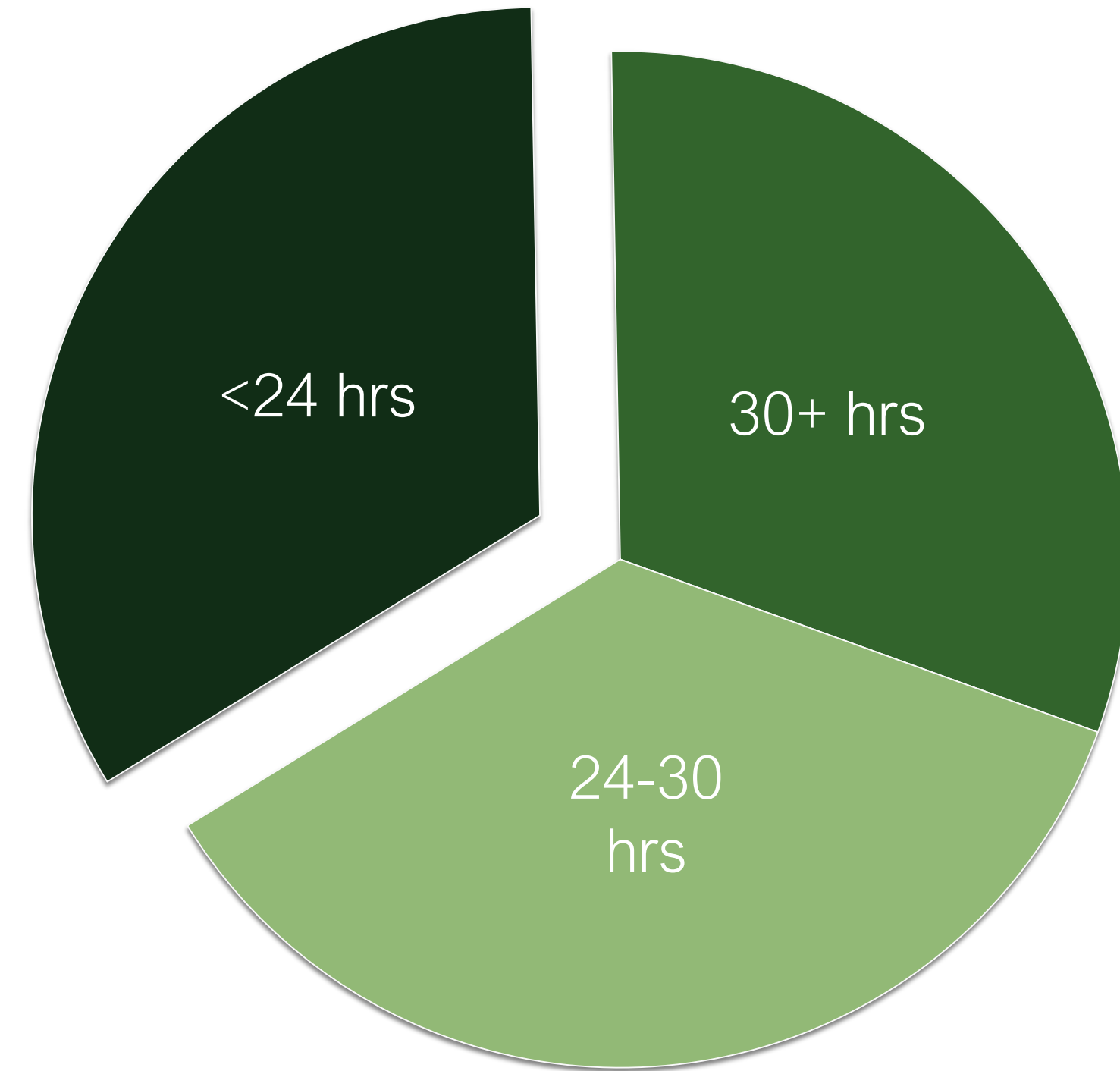
WHAT ABOUT HOW  
MANY HOURS ?



# Attempted Hours Distribution



Universities



Community Colleges



# Momentum Pays

**Effects\* of Taking at least 30 Credits in 1<sup>st</sup> Year on Six-Year Outcomes**  
**TBR Institutions, FTEIC Fall 2008 Cohort**

	Community College Students	University Students
Additional credits earned	22	27
Probability of degree attainment	18pp (25% vs. 43%)	19pp (38% vs. 57%)
Tuition and fees per degree	-20%	-20%
Expenditures per degree	-14%	-23%
Tuition and fees avg.	+\$1,740	+\$4,890

\*Adjusted results, controlling for student characteristics

Source: Belfield, Jenkins, Lahr, 2016.



# Predictive Analytics





# TBR Momentum Year

Making a *purposeful* program choice

Creating a *productive* Academic Mindset

Attempting *9 hours* in Academic Focus

Complete initial *English* and Μαθη

Attempting *30 hours*







# TBR Momentum Year

Making a *purposeful* program choice

Creating a *productive* Academic Mindset

Attempting *9 hours* in Academic Focus

Complete initial *English* and Μαθη

Attempting *30 hours*





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