



**SANTA ANA COLLEGE**

**Research**

## **BOTTLENECK STUDY**

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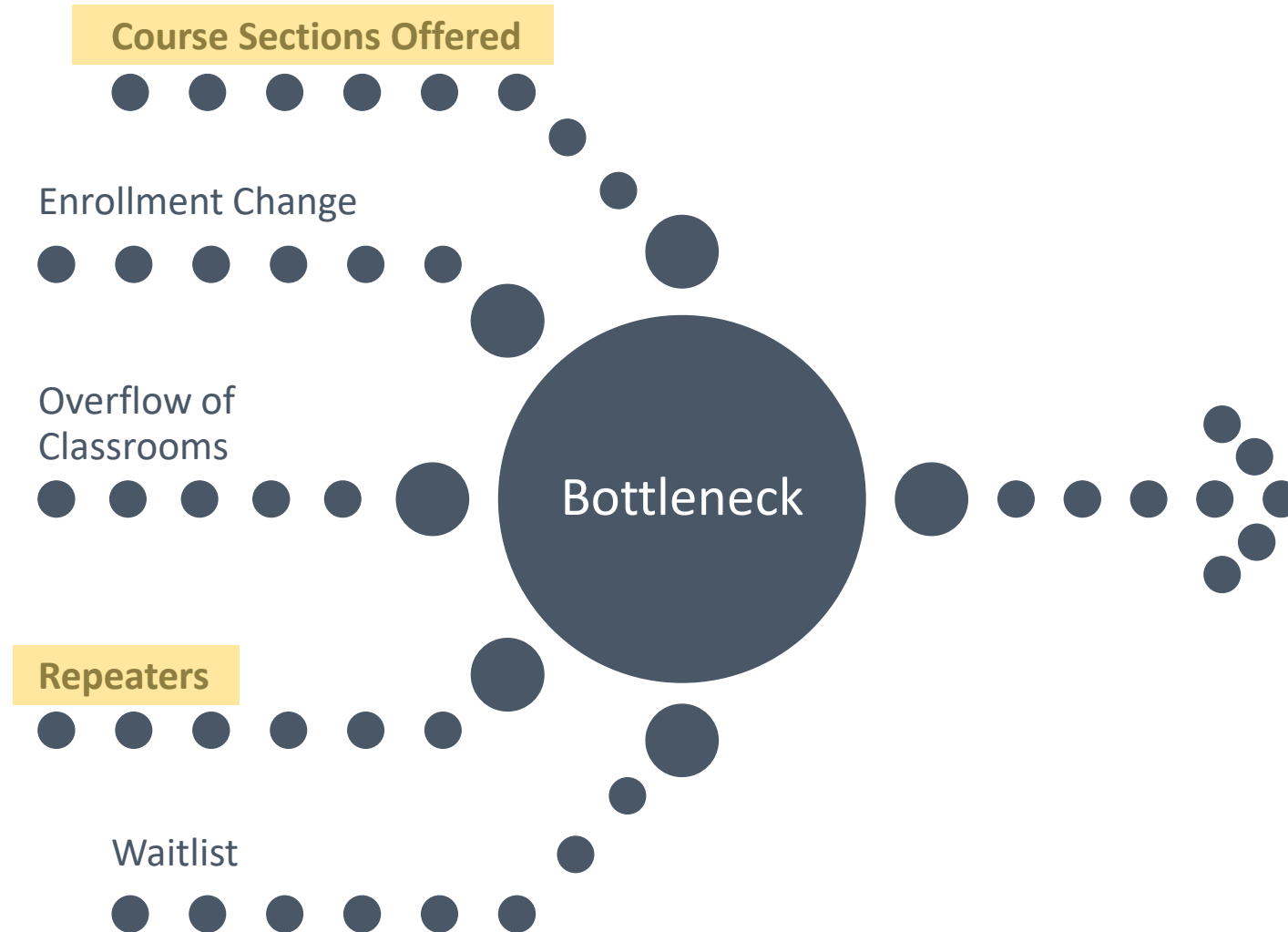
# REDUCING THE BOTTLENECK COURSES:

What are we trying to do here is:



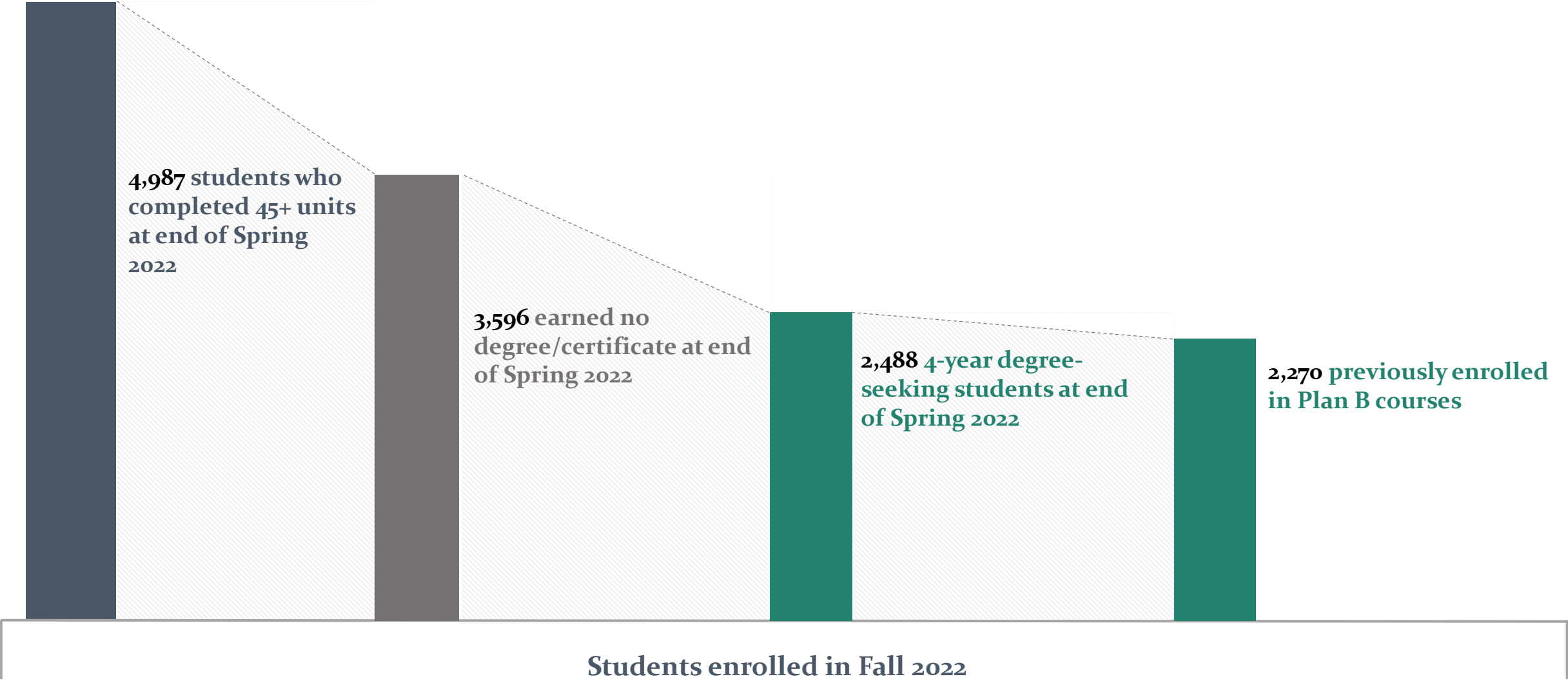
- *Accelerate students' academic progression*
- *Ensure more students cross the finish line*
- *Increase student success rates*
- *Maximize SCFF points*

# What causes bottleneck courses?





# Bottleneck Study: Degree Audit





# Fall 2022: Plan B – Course Enrollment Demand

Students’ coursework mapped to Plan B: CSU General Education Breadth

N=2,270

Category	Course Requirement Met Prior to Fall 2022	Fall 2022 Enrollment	Course Demand	Top Success Course in Spring 2022
<b>Golden Four</b>				
A1 Oral Communication	375	106	1,789	CMST 145 (95.5%)
A2 Written Communication	733	63	1,474	ENGL 101 (42.8%)
A3 Critical Thinking	539	239	1,492	CNSL 144 (78.8%)
<b>Arts and Humanities</b>				
C1 Arts	821	219	1,230	ART 108 (100%)
C2 Humanities	906	427	937	VIET 102 (100%)
<b>U.S. History &amp; Constitution</b>				
P Political Science	433	207	1,630	POLT 101 (74.8%)
H U.S. History	405	126	1,739	HIST 120 (77.6%)
<b>Lifelong Learning and Self-Development</b>				
E1 Lifelong Learning and Self-Development	685	189	1,396	CNSL 128 (88.3%)

*\*Students must complete one class from both Areas C1 and C2 and a third course from either Area (for a total of 3 classes)*



# Course Success and Fill Rates

## A: English Language Communication and Critical Thinking

A1: Oral Communication	Spring 2022 Success Rate	Fall 2022 Fill Rate
CMST 145	96%	88%
CMST 101	67%	88%
CMST 102	71%	99%
CMST 103	80%	101%
CMST 140	64%	95%
CMST 150	NA	NA

A2: Written Communication	Spring 2022 Success Rate	Fall 2022 Fill Rate
ENGL 101	43%	108%
ENGL 101H	75%	97%

A3: Critical Thinking	Spring 2022 Success Rate	Fall 2022 Fill Rate
CNSL 144	79%	88%
CMST 140	64%	95%
ENGL 102	47%	114%
ENGL 102H	50%	40%
ENGL 103	63%	95%
ENGL 103H	76%	53%
PHIL 110	67%	73%
PHIL 110H	100%	NA
PHIL 111	68%	88%
READ 150	27%	43%



# Course Success and Fill Rates

## C: Arts and Humanities

C1: Arts	Spring 2022 Success Rate	Fall 2022 Fill Rate
MUS 102H	100%	4%
PHOT 150	87%	89%
MUS 104	85%	66%
MUS 103	85%	50%
DM 107	84%	103%
DM 102	83%	NA
ART 101	82%	78%
MUS 110	80%	NA
DM 104	79%	83%
THEA 100	77%	93%

C2: Humanities	Spring 2022 Success Rate	Fall 2022 Fill Rate
SPAN 202H	100%	NA
VIET 102	100%	73%
SPAN 202	91%	NA
SPAN 102H	89%	80%
VIET 101	88%	88%
ASL 116	88%	87%
SPAN 195A	88%	NA
HIST 101	80%	78%
HIST 102H	80%	NA
SPAN 102	78%	82%



# Course Success and Fill Rates

## U.S. History and Constitution

<b>P: Political Science</b>	<b>Spring 2022 Success Rate</b>	<b>Fall 2022 Fill Rate</b>
POLT 101	75%	100%
POLT 101H	NA	NA

<b>H: U.S. History</b>	<b>Spring 2022 Success Rate</b>	<b>Fall 2022 Fill Rate</b>
HIST 121H	100%	85%
HIST 124H	100%	NA
HIST 120	78%	81%
HIST 118	53%	79%
HIST 124	68%	91%
HIST 127	66%	91%
HIST 121	62%	85%
HIST 120H	NA	30%
HIST 123	NA	NA
HIST 147	NA	NA



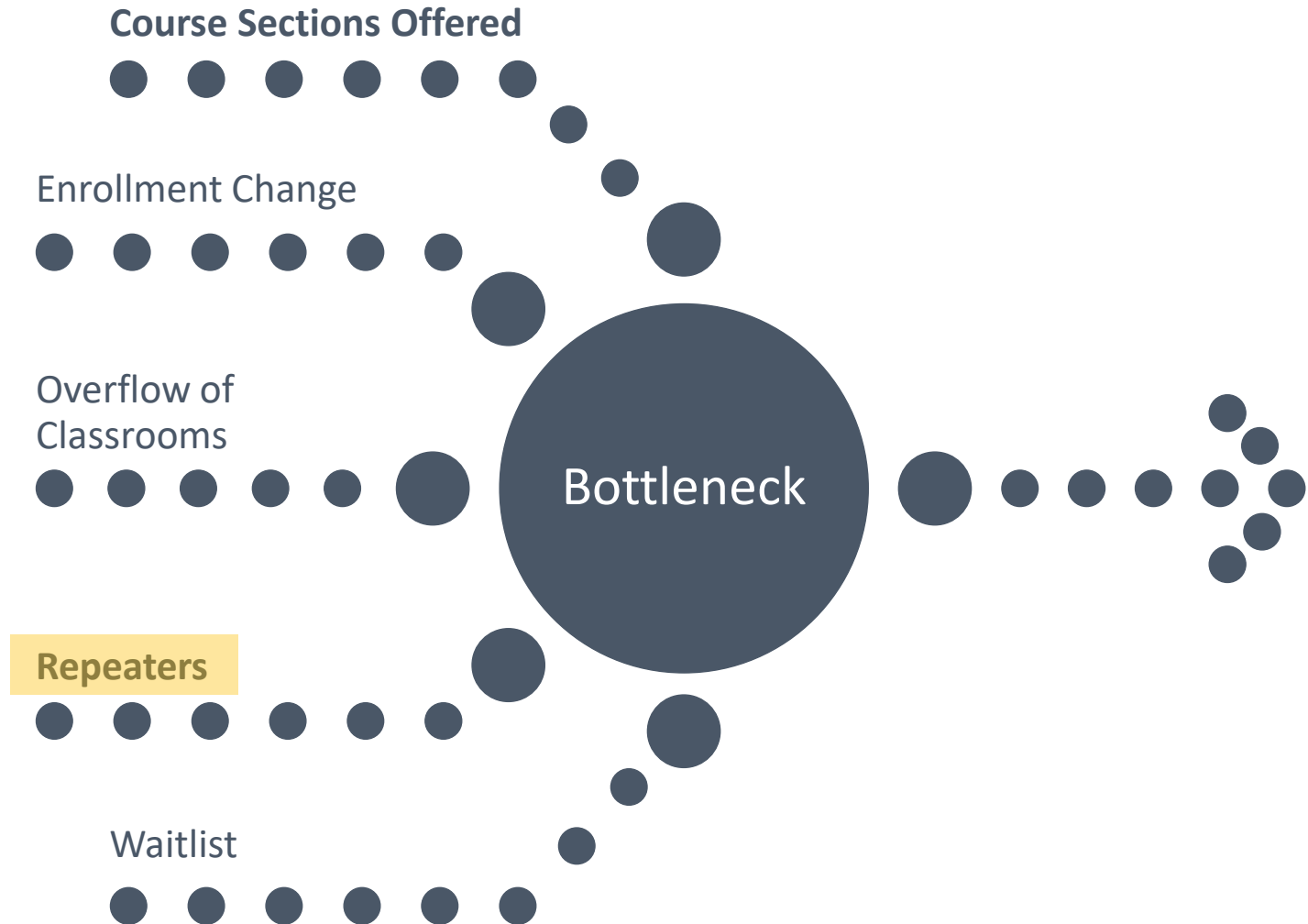


# Course Success and Fill Rates

## E1: Lifelong Learning and Self-Development

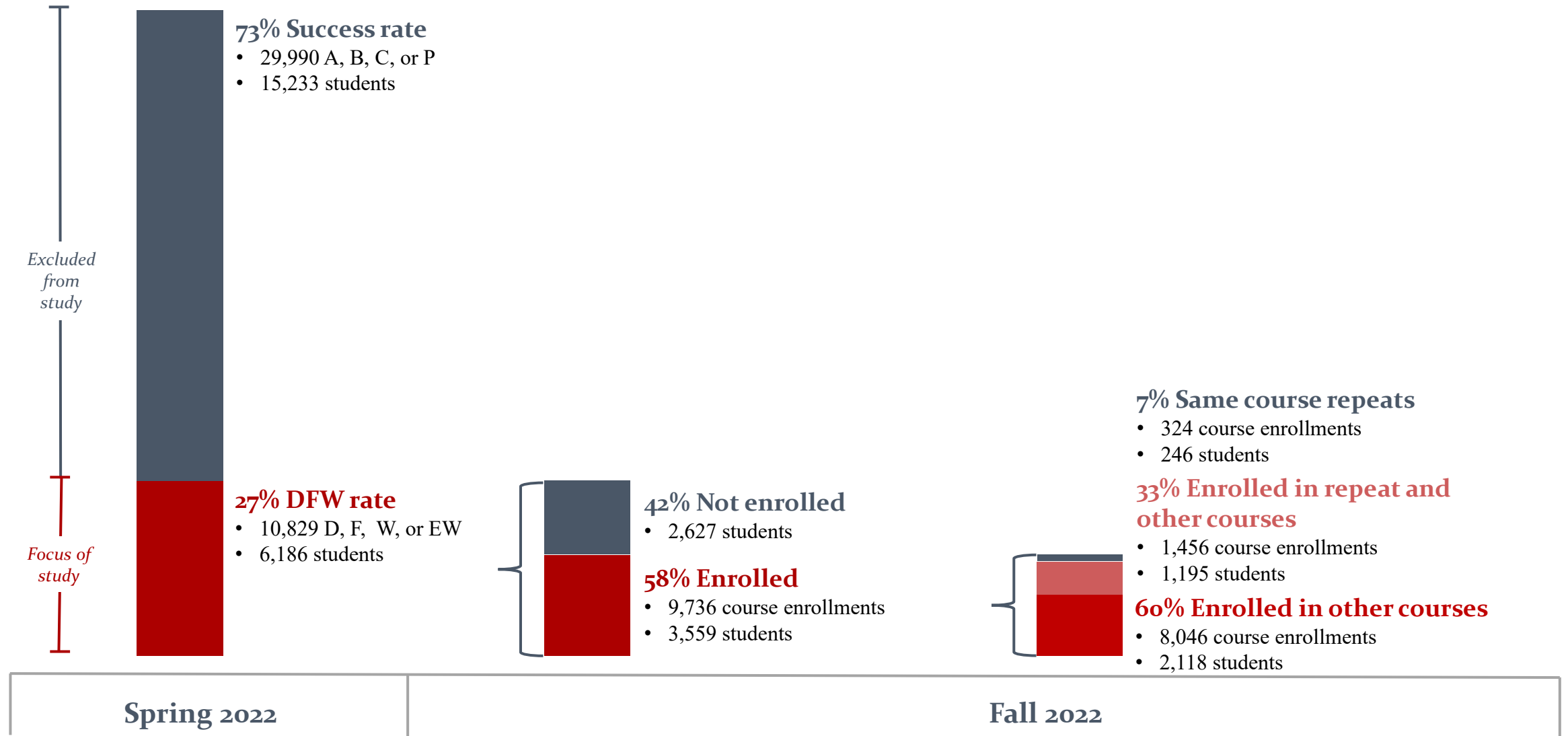
	Spring 2022 Success Rate	Fall 2022 Fill Rate
CNSL 128	88%	NA
IDS 155	80%	43%
PSYC 230	80%	98%
STDY 109	77%	89%
KNHE 101	76%	68%
NUTR 115	76%	88%
CDEV 107	67%	90%
CNSL 116	66%	125%
KNHE 104	65%	55%
KNPR 125	63%	69%

# What causes bottleneck courses?





# Bottleneck Study: DFW Approach



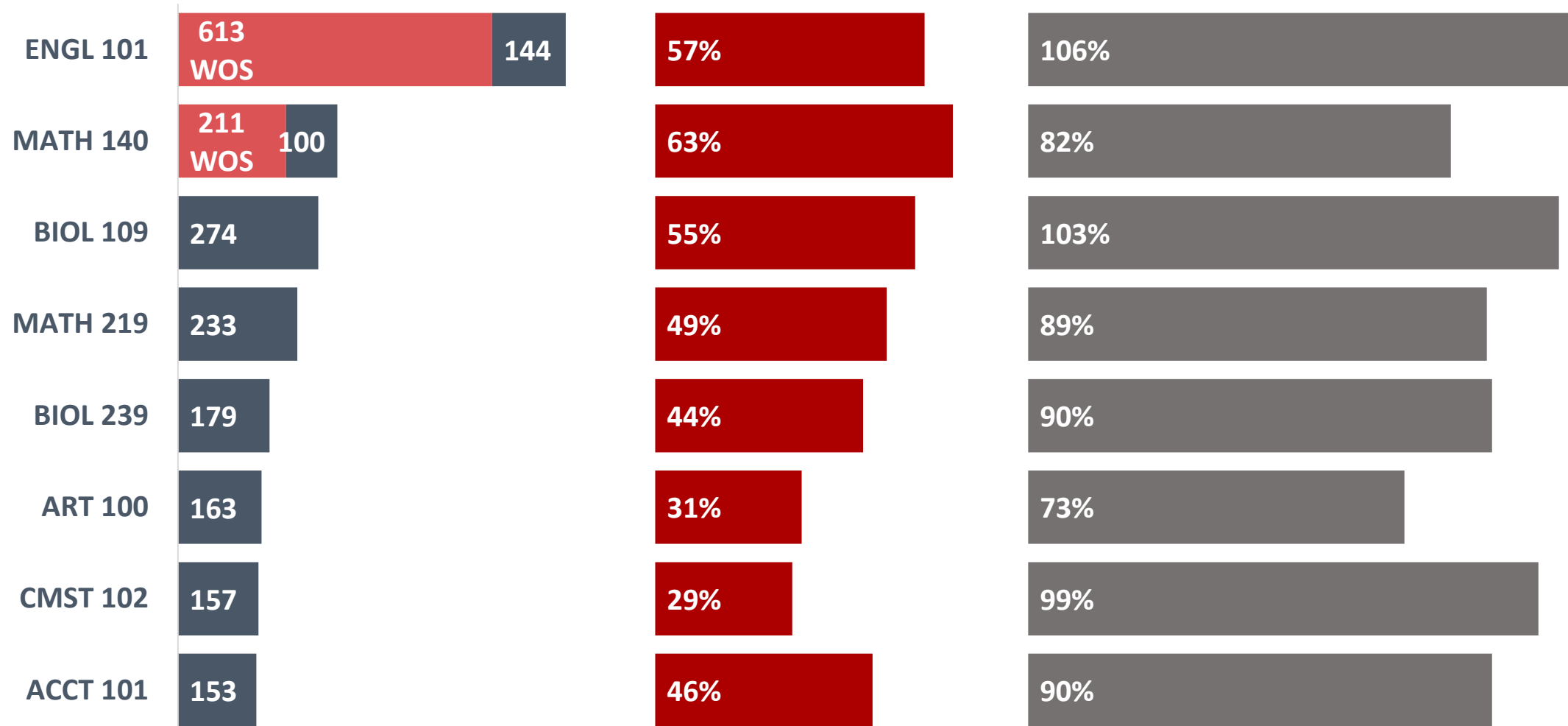


# Top DFW Enrollments

Spring 2022 DFW Count

Spring 2022 DFW Rate

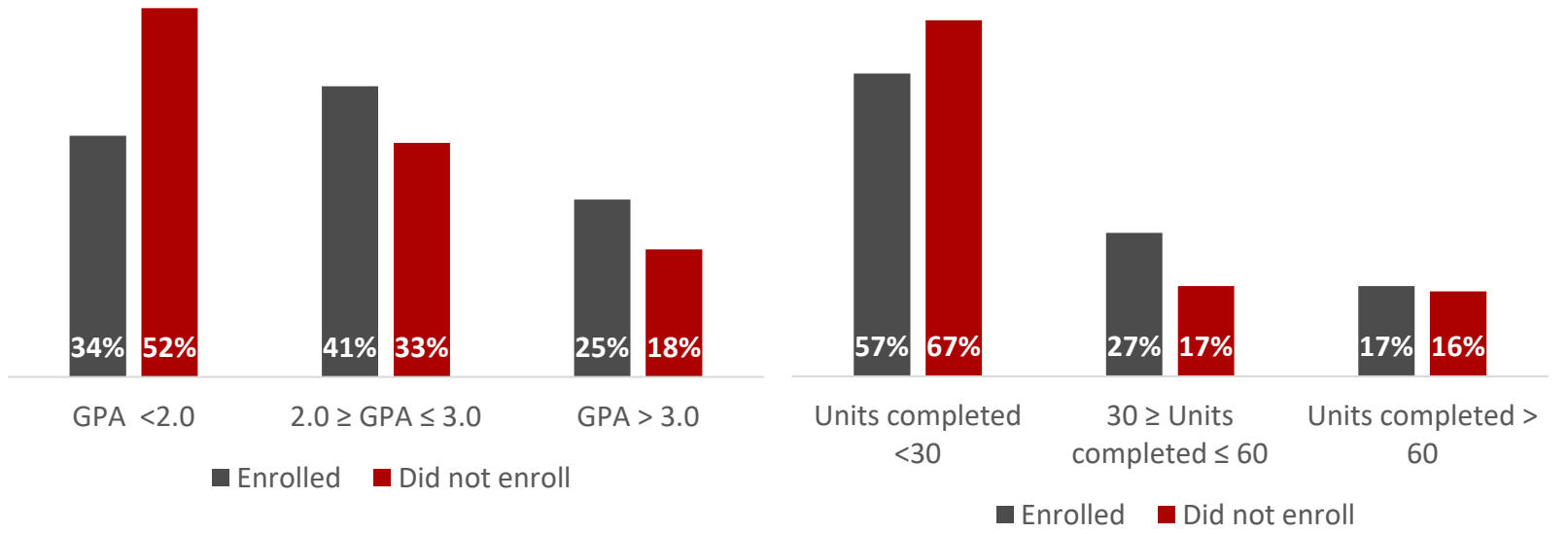
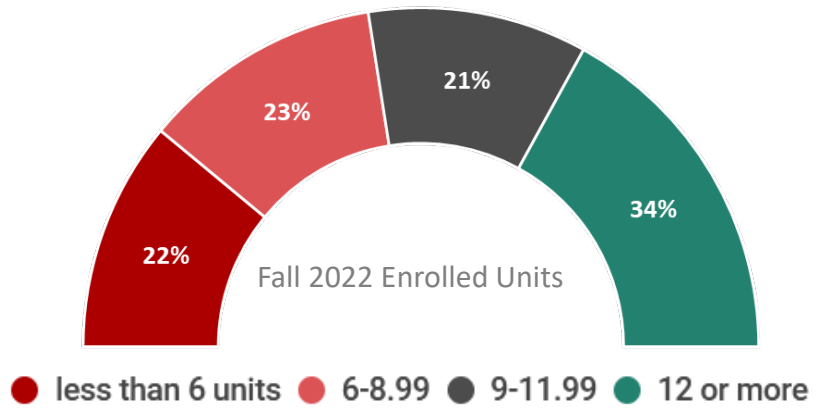
Fall 2022 Fill Rate



WOS=without support



# NonRepeaters in Fall 2022

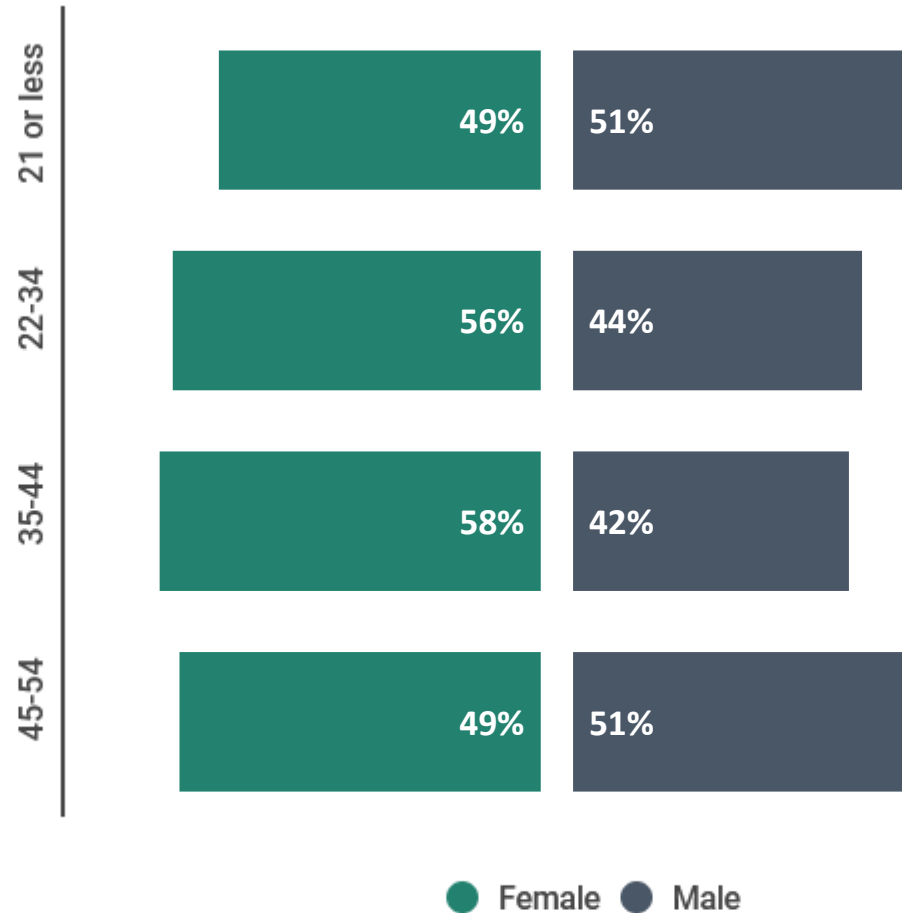




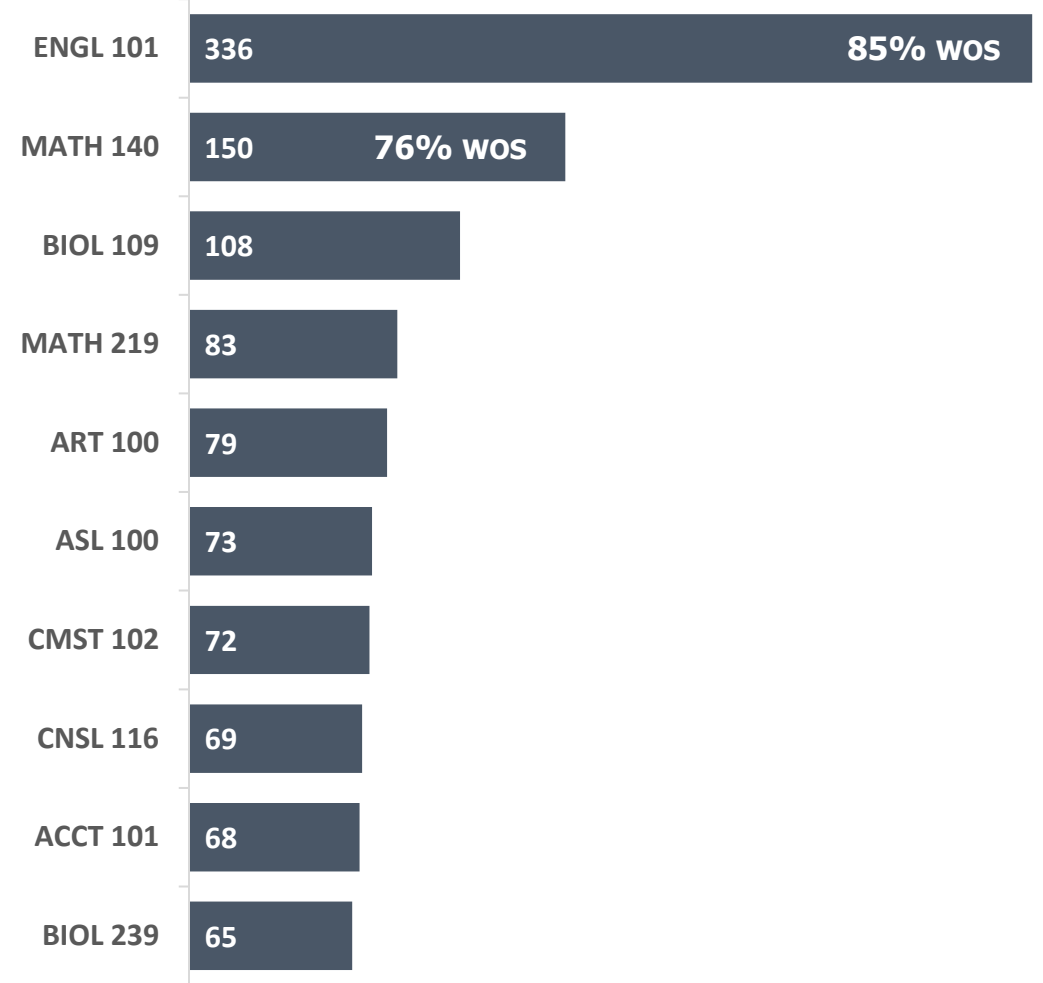
# Lost Students (N=2,627)

Students who did not persist from Spring 2022 to Fall 2022

## Age and Gender Distribution



## Top Fall 2021 Failed Course Enrollments



**WOS**=without support

# Discussion

Now  
what?



CONVERSATION  
WITHIN  
DEPARTMENT



FOLLOW-UP DATA  
INVESTIGATIONS



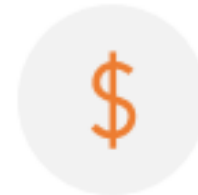
PROFESSIONAL  
DEVELOPMENT



COMMUNITIES OF  
PRACTICE



SUPPLEMENTAL  
INSTRUCTION



RESOURCE  
REQUEST