

The background is a dark blue gradient with a series of curved, concentric lines that create a tunnel-like effect. On the right side, there are several horizontal bars of various colors (purple, cyan, magenta, green, blue) that appear to be part of a data visualization or a stylized architectural element.

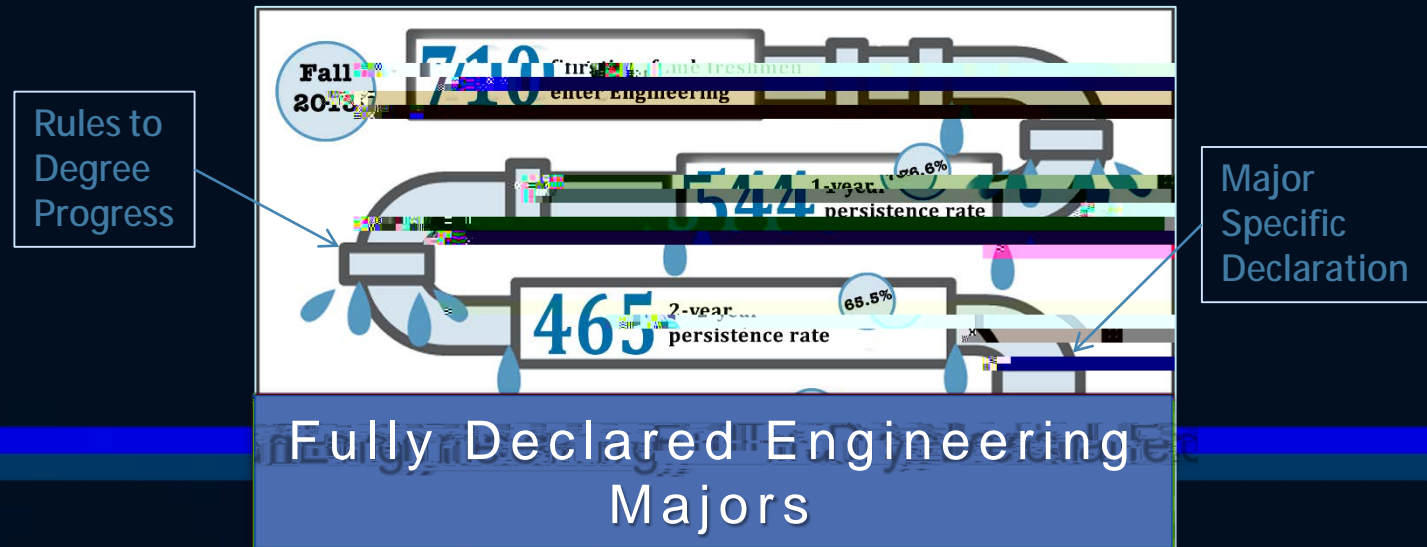
# BOTTLENECK CLASSES & STUDENT SUCCESS

JASON DEUTSCHMAN, BURKHARD ENGLERT, TRACY MAPLES, KATARINA  
SPRALJA & LISA STAR

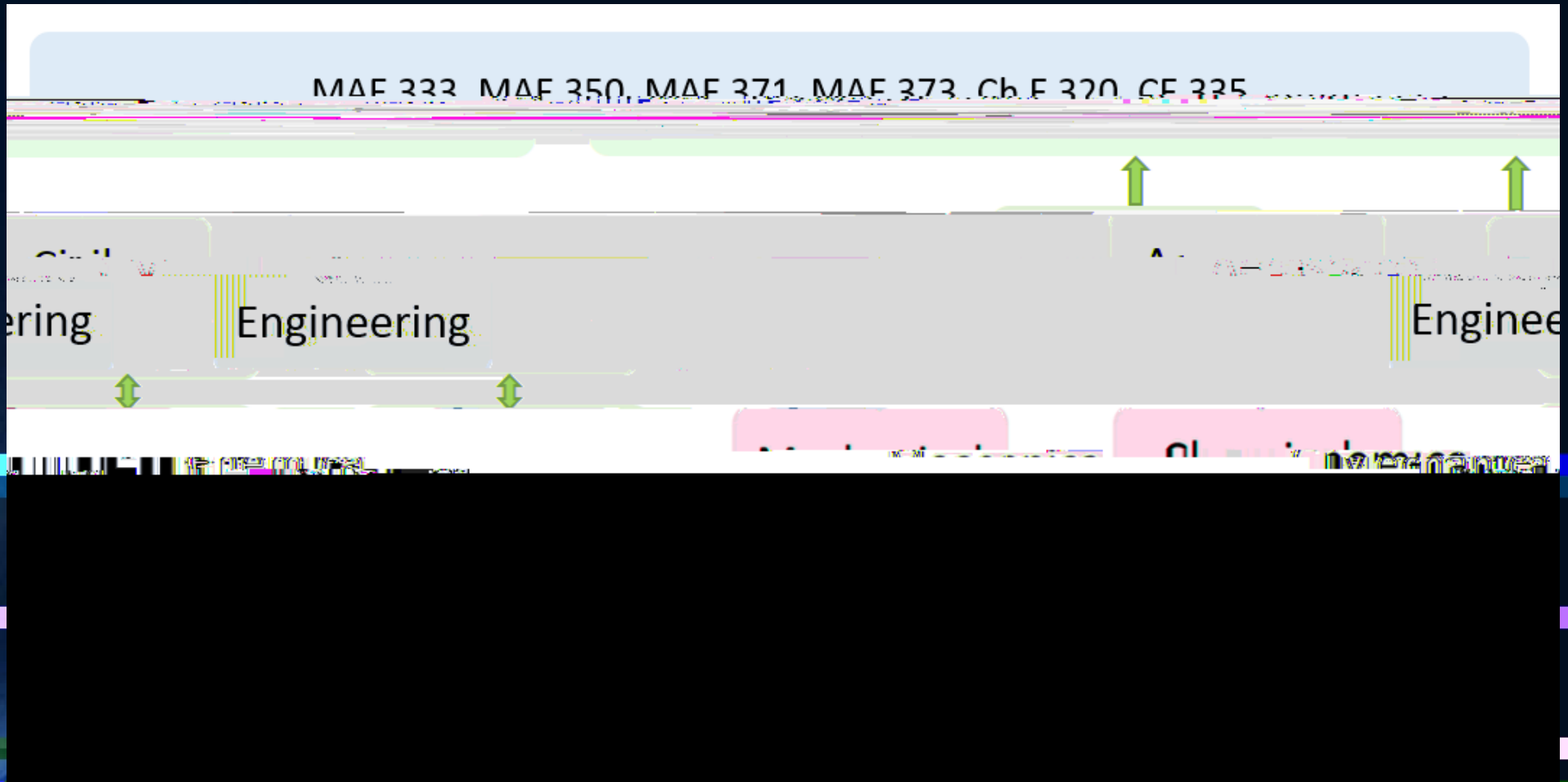
COLLEGE OF ENGINEERING

# A long time ago in data fellows far, far away...

- Examining the Engineering Pipeline
- When do students leave engineering/computer science majors?
- Why do students leave engineering/computer science majors?



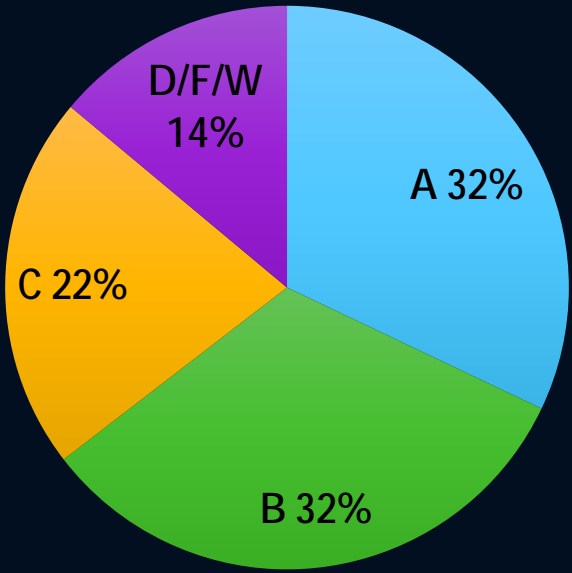
# CE 205 & COE Impacts



224 Taking Class  
for 1<sup>st</sup> Time

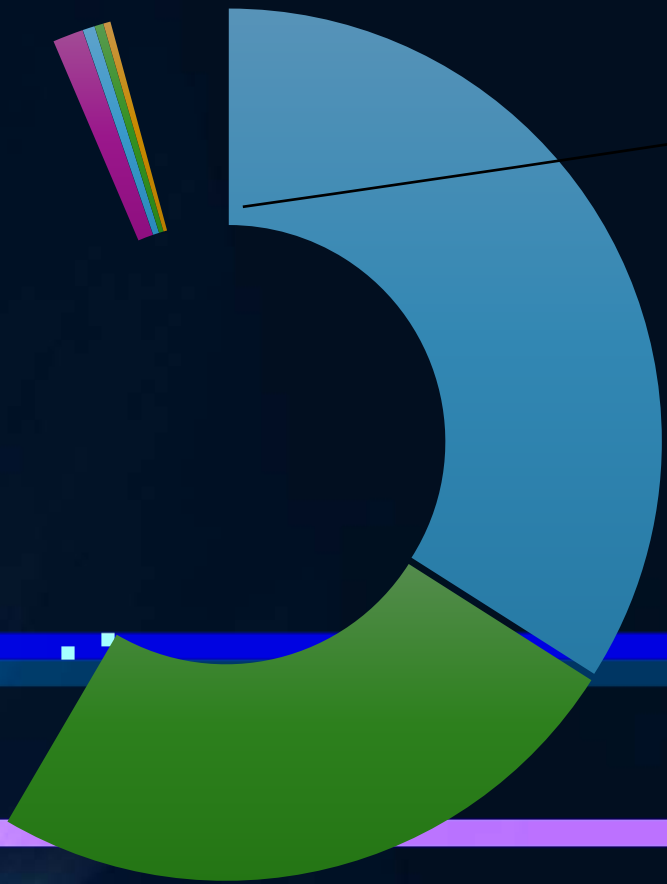
CE 205  
237 Students  
Enrolled

204 PASS



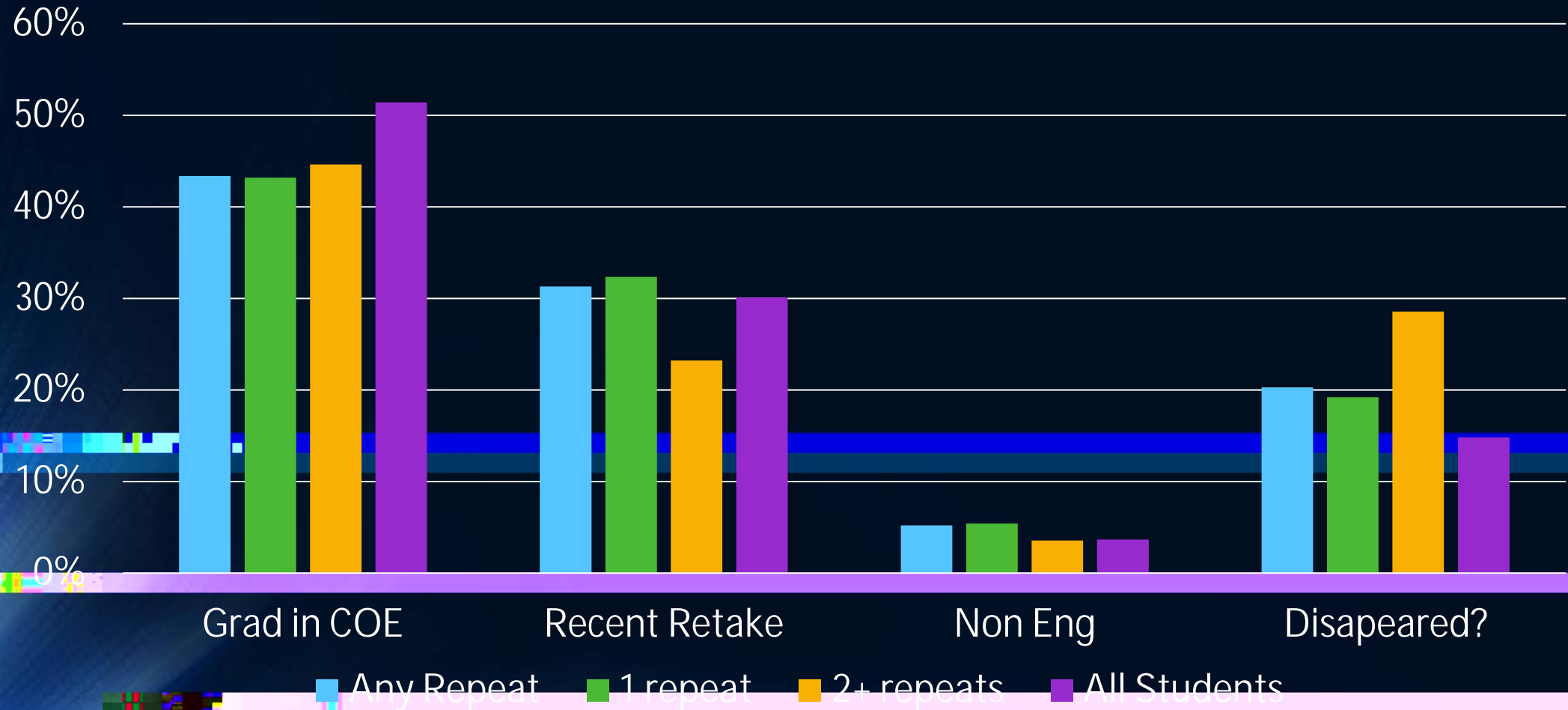
**82.70% of students have graduated in 5 years**

Aerospace Engineering	33
Chemical Engineering	16
Civil Engineering	47
Construction Management	4
Electrical Engineering	1
Mechanical Engineering	86
Other Majors	9

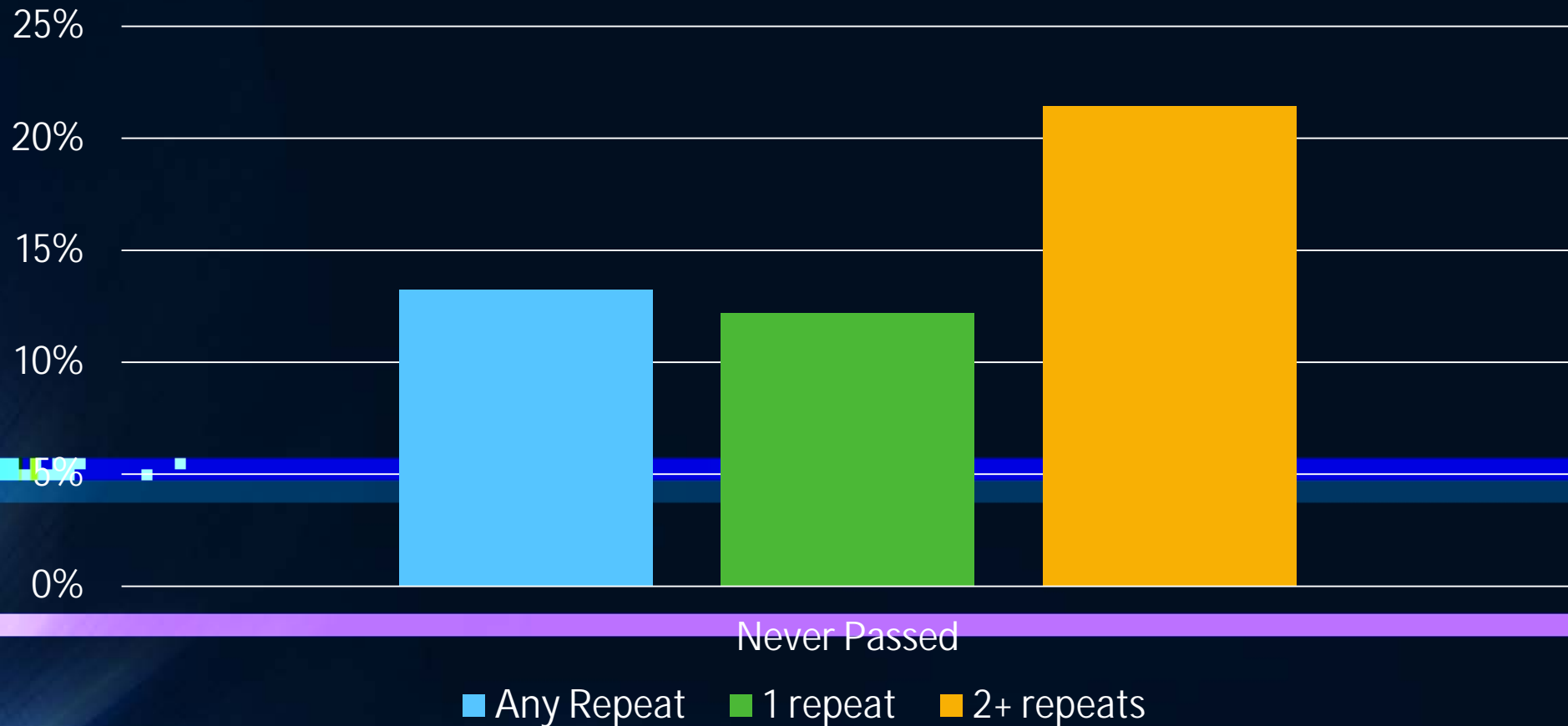




# Success of Students Who Repeat

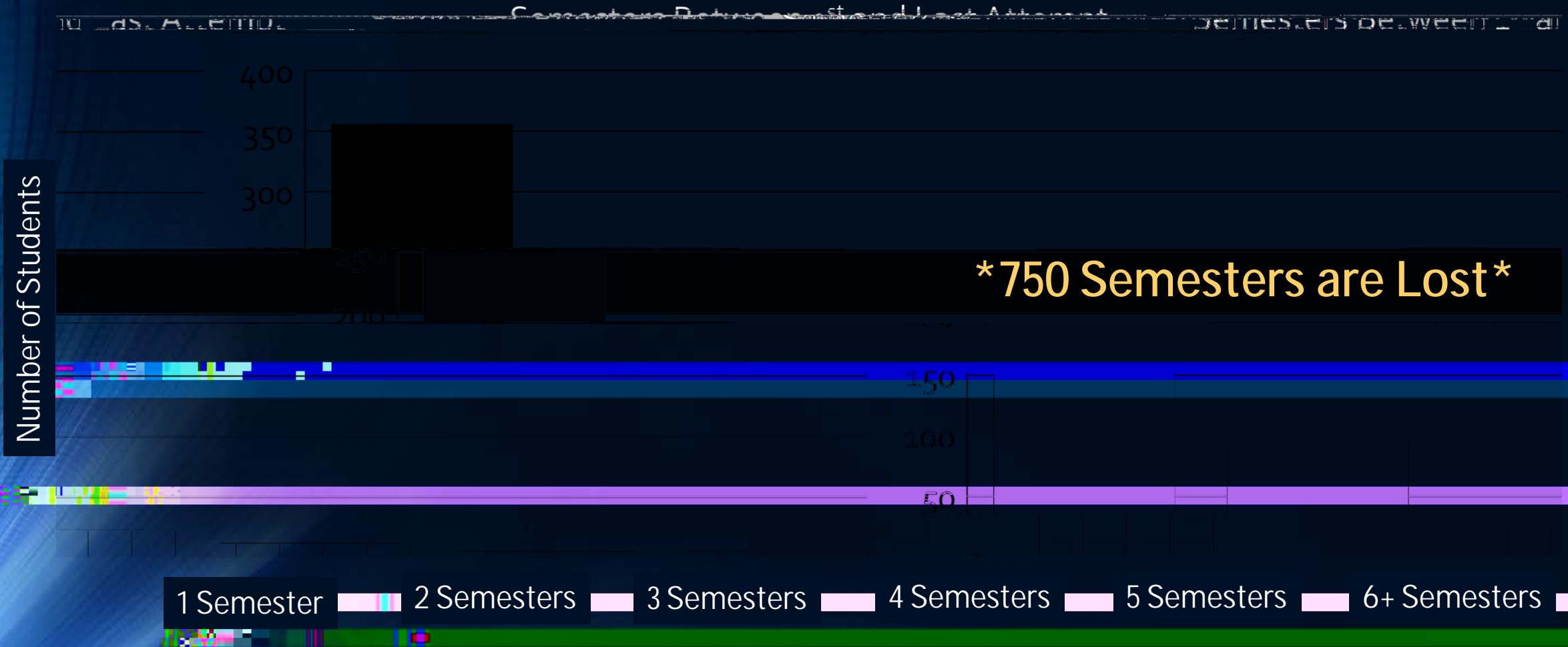


# Students who repeat CE205



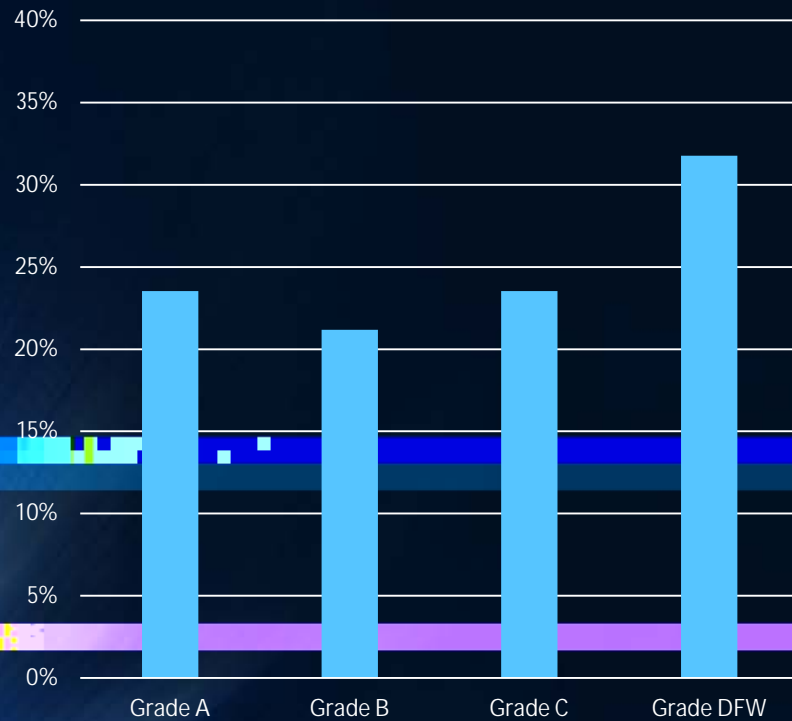


# How Many Semesters are Lost?

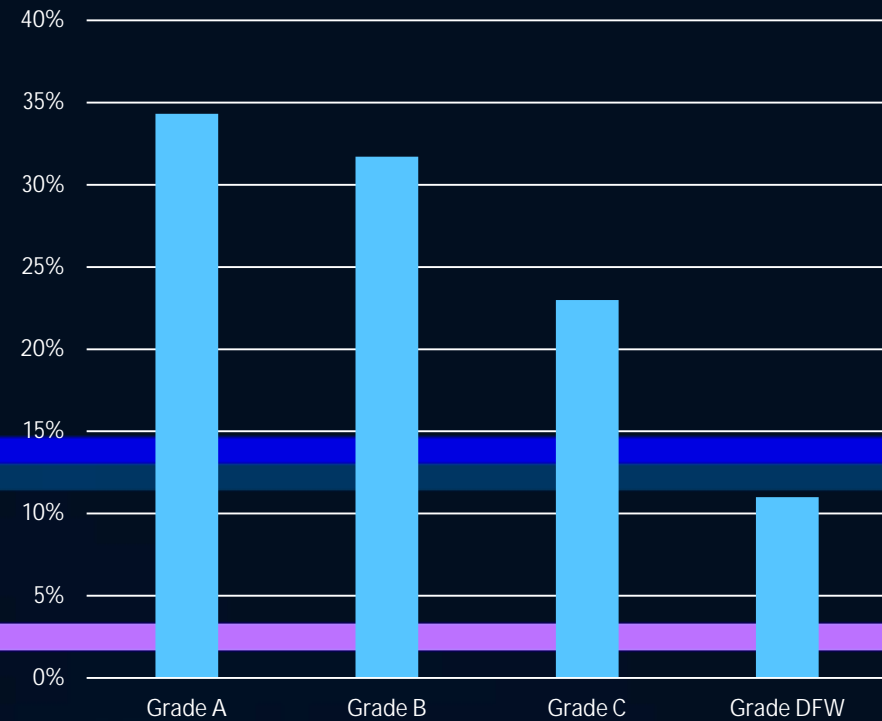


# CE 205 Grades Earned

Non-COE degree conferred students  
N=170

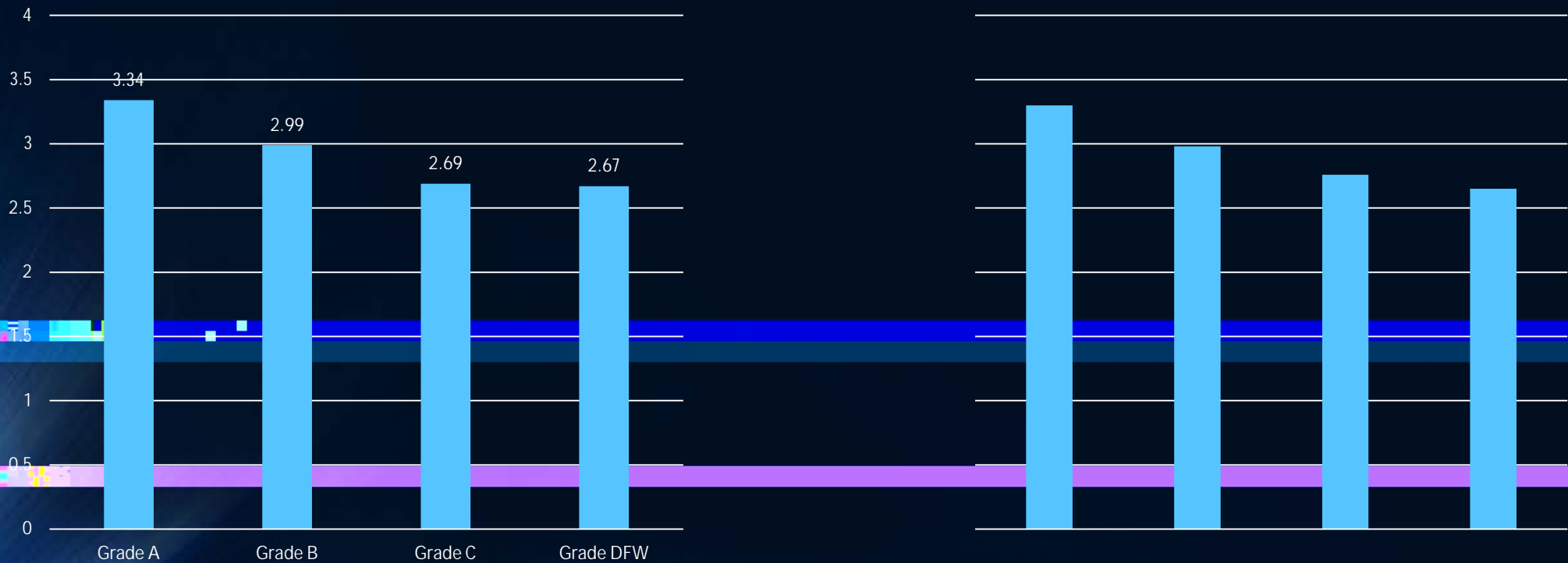


Students who started and ended in COE  
N=2454



# CE 205 Grades Earned & Graduating GPA

Non-COE conferred degrees  
N=170

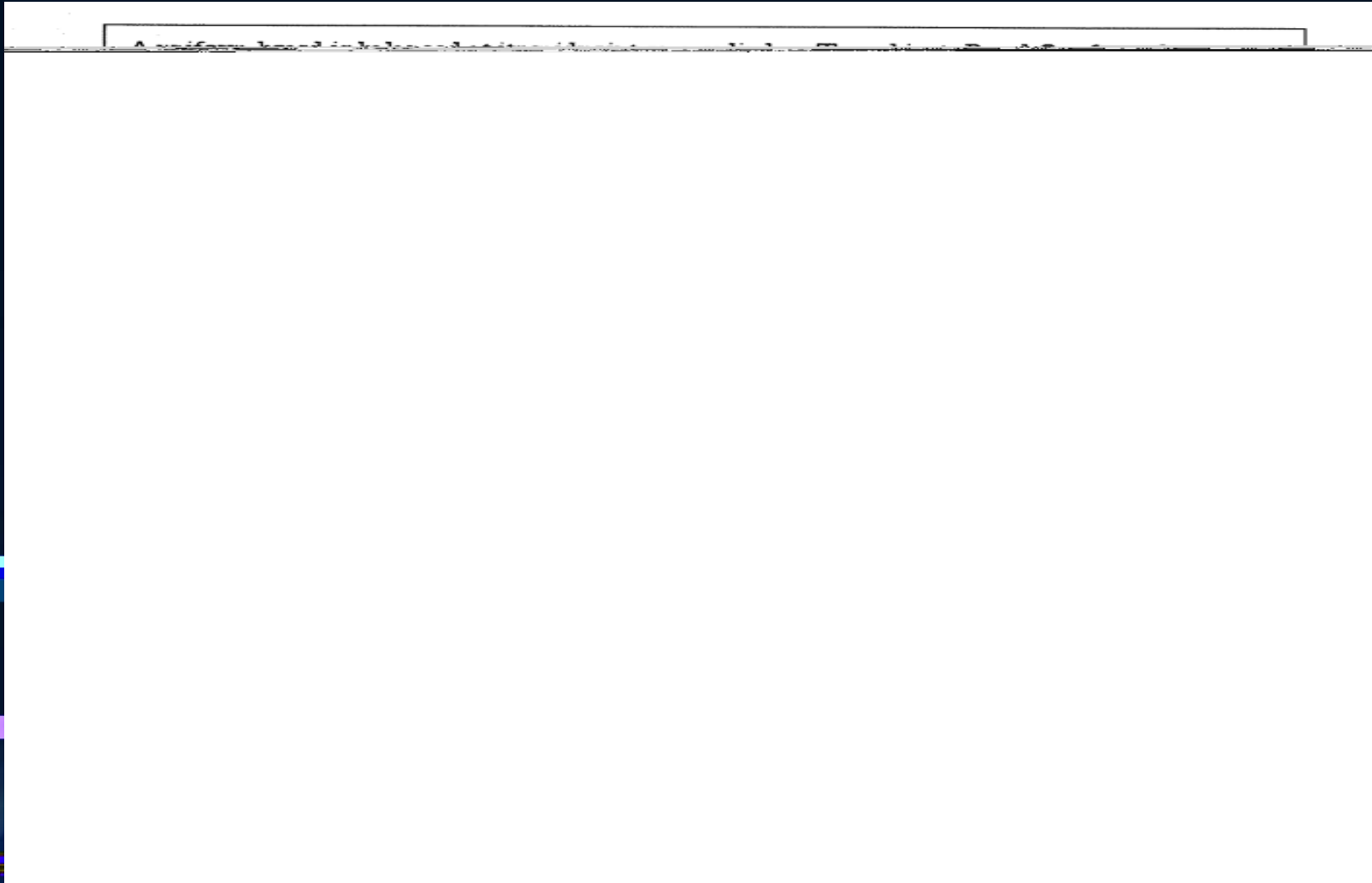




# Problem Analysis of CE 205

LESSONS LEARNED AND NEXm.7 (AR)-E5

# Success in Engineering is a Balancing Act





# Real World Engineering Problems



