

College-Wide Goals for Graduation Initiative 2025

Graduation Initiative Informed Decision-Making Conference

May 5, 2017

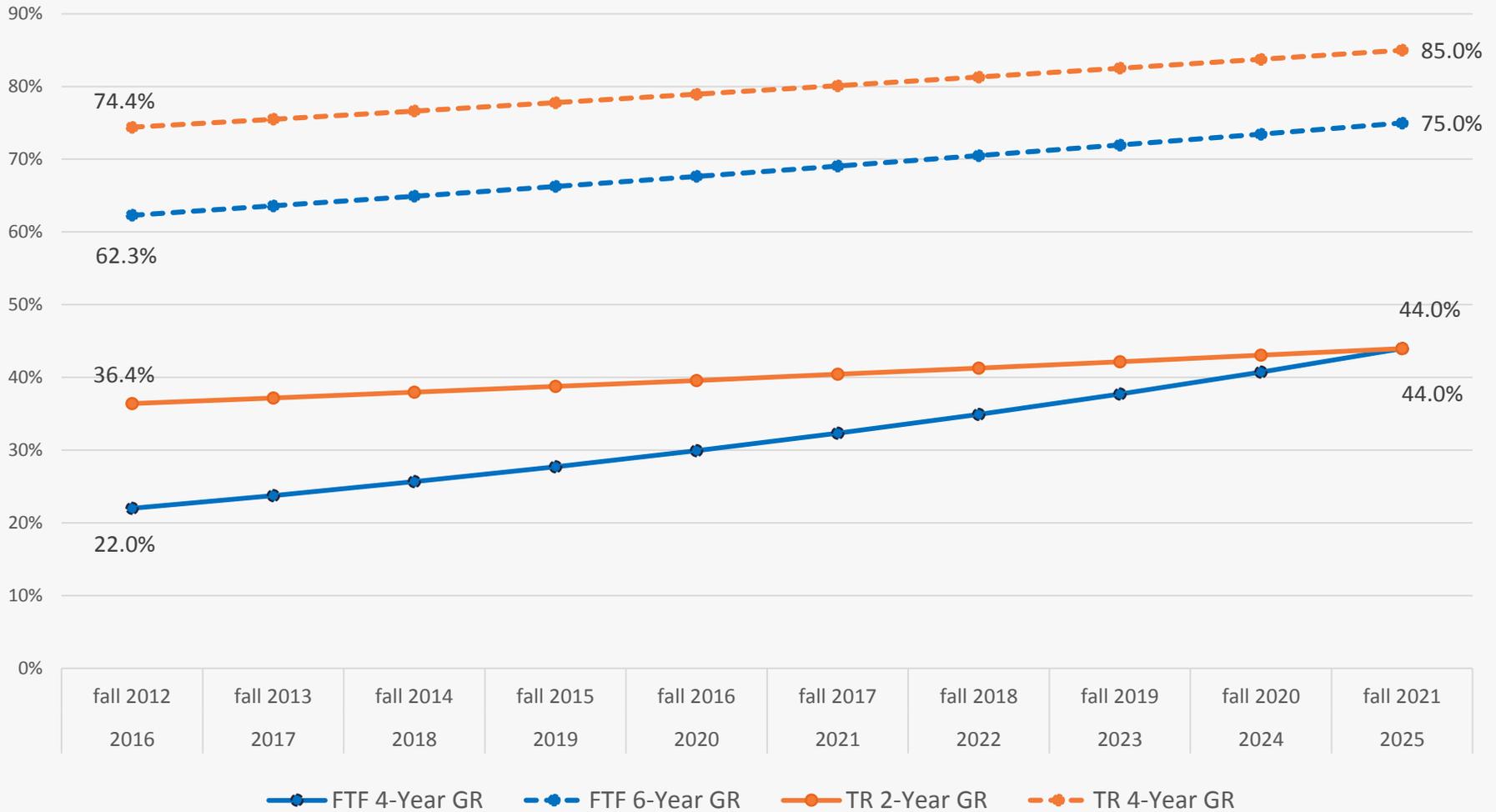
CSU San Bernardino, CA

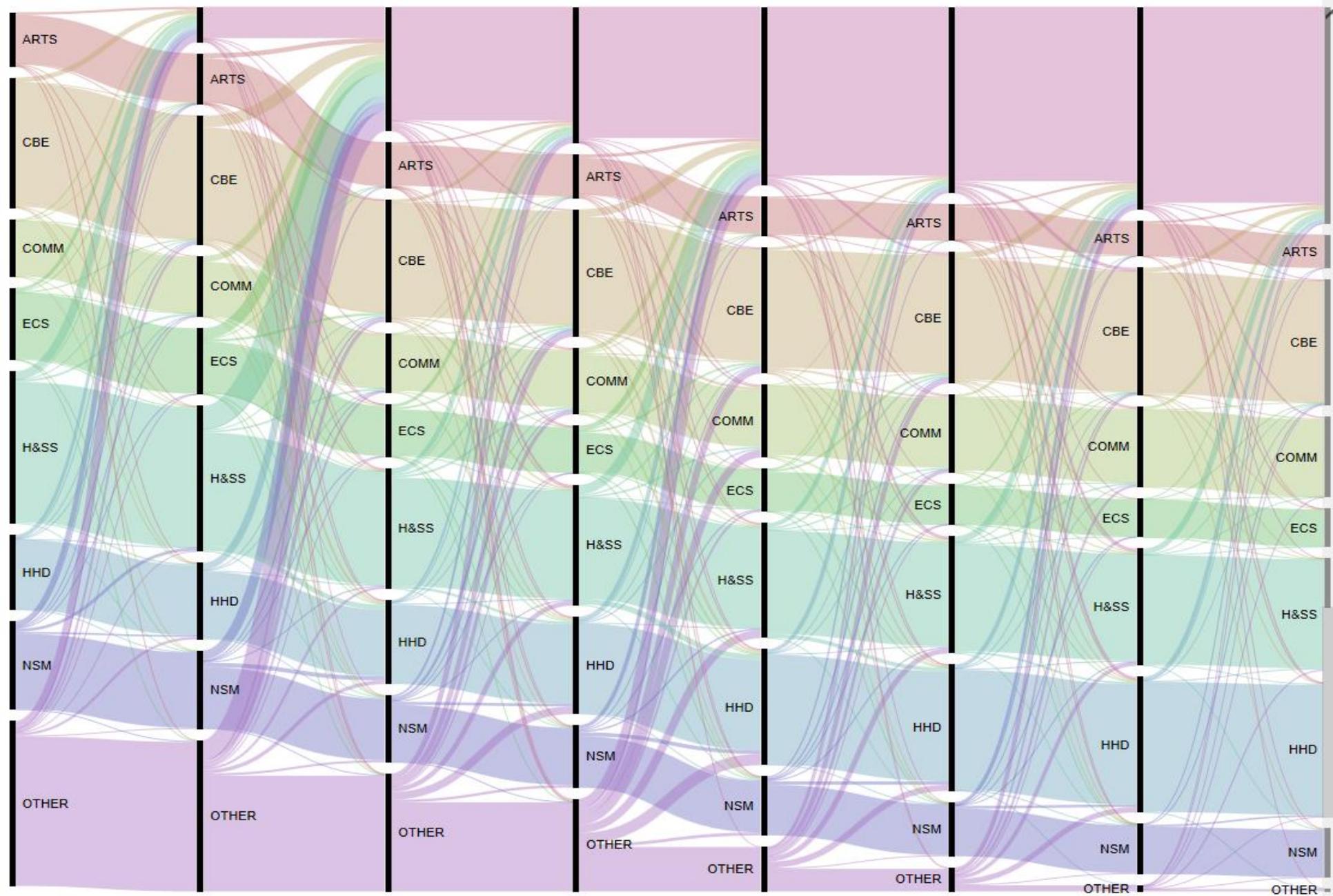
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Cal State Fullerton Goals





Inter-College Major Changes by Cumulative Count of Last Change Fall 2001-2010 First-Time Freshmen Cohorts

College	Semester											
	1	2	3	4	5	6	7	8	9	10	11	12
ARTS	82.1%	85.2%	87.8%	90.2%	93.4%	95.4%	97.3%	98.2%	99.0%	99.3%	99.7%	100.0%
CBE	69.2%	73.4%	78.4%	83.6%	90.4%	94.7%	97.2%	98.5%	99.3%	99.7%	99.9%	100.0%
COMM	48.2%	51.5%	57.2%	64.9%	79.6%	88.3%	94.4%	97.0%	98.4%	99.1%	99.7%	100.0%
ECS	83.8%	85.9%	88.9%	91.6%	95.4%	97.1%	98.3%	98.8%	99.4%	99.6%	99.9%	100.0%
HHD	43.9%	48.1%	56.2%	65.9%	79.5%	87.6%	93.5%	96.1%	98.3%	99.0%	99.7%	100.0%
H&SS	61.4%	64.2%	67.9%	73.1%	81.9%	87.4%	92.4%	95.2%	97.8%	98.9%	99.6%	100.0%
NSM	66.7%	71.4%	78.1%	82.5%	89.8%	92.9%	96.1%	97.7%	98.7%	99.2%	99.6%	100.0%
OTHER	92.1%	96.2%	98.6%	99.5%	99.7%	99.9%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
OVERALL	63.3%	66.9%	71.9%	77.6%	86.3%	91.4%	95.3%	97.2%	98.7%	99.3%	99.7%	100.0%

Note. Percentage reflects the proportion of students in each college who no longer change colleges after the given semester. Non-retained students are counted in their last college of attendance.

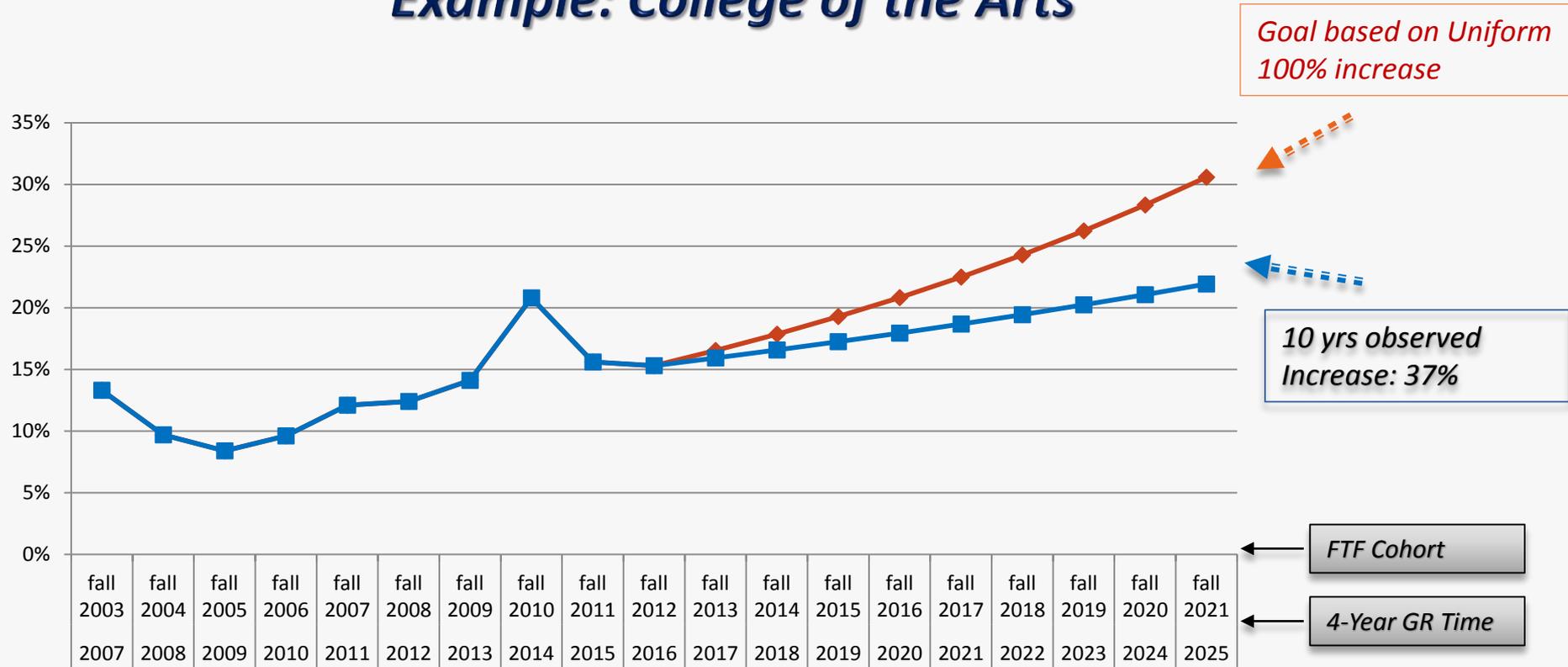
First-Time Freshmen 4-Year Graduation Rates :

Fall 2012 Cohort

College	Entry College			Latest College		
	Cohort	Graduated	Grad %	Cohort	Graduated	Grad %
ARTS	314	60	19.1%	251	40	15.9%
CBE	819	217	26.5%	969	202	20.8%
COMM	325	127	39.1%	567	204	36.0%
ECS	493	32	6.5%	418	20	4.8%
HSS	702	208	29.6%	865	236	27.3%
HHD	484	147	30.4%	833	252	30.3%
NSM	562	69	12.3%	386	21	5.4%
OTHER	720	115	16.0%	130	0	0.0%
TOTAL	4419	975	22.0%	4419	975	22.0%

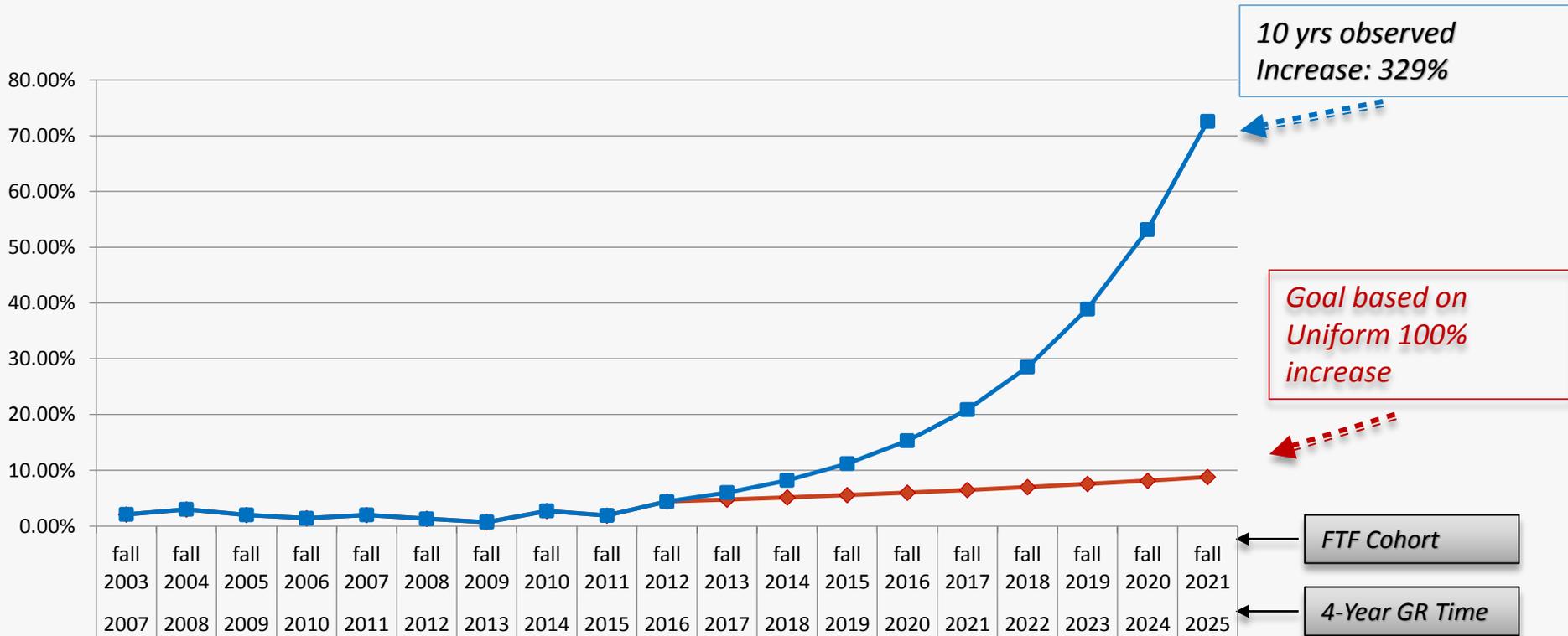
4-Year Graduation Rates Projection: Uniform Increase for Each College

Example: College of the Arts



4-Year Graduation Rates Projection: Uniform Increase for Each College

Example: College of Engineering & Computer Science



College Wide Goal-Setting

(4-Year FTF Grad Rates: 22%)

<i>Opportunity</i>	<i>vs.</i>	<i>Adjustment</i>
Natural Science & Math (5% → 11.2%)		Communication (36% → 69%)
Engineering & Computer Science (4.7% → 10.5%)		Health & Human Development (28.0% → 55.9%)
Arts (15.6% → 33.2%)		Humanities & Social Science (31.2% → 61.3%)
Business & Economics (20.8% → 43.1%)		

Exit College-Wide Adjusted Growth Rates

Method	College	Current Graduation Rate (CGR)	University Growth Rate (UGR)	Variance		Adjusted Growth Rate (AGR)	Preliminary Growth Targets	Correction Factor	Adjusted Growth Rate
				Calculation	Result				
			Percent increase from CGR to reach GI 2025 Goal	Overall CGR - College CGR		UGR + Variance	CGR by % Increase based on AGR	Additional uniform increase to reach overall GI 2025 goal	Preliminary Target X Correction Factor
FTF 4-Yr Grad Rate Latest Major	Overall	22.0%	100.0%						44.0%
	ARTS	15.6%		22.0% - 15.6%	6.4%	106.4%	32.2%	1.030	33.2%
	CBF	20.8%		22.0% - 20.8%	1.2%	101.2%	41.8%	1.030	43.1%
	COMM	36.0%		22.0% - 36.0%	-14.0%	86.0%	67.0%	1.030	69.0%
	ECS	4.7%		22.0% - 4.7%	17.3%	117.3%	10.2%	1.030	10.5%
	HHD	28.0%		22.0% - 28.0%	-6.0%	94.0%	54.3%	1.030	55.9%
	H&SS	31.2%		22.0% - 31.2%	-9.2%	90.8%	59.5%	1.030	61.3%
	NSM	5.0%		22.0% - 5.0%	17.0%	117.0%	10.9%	1.030	11.2%
	OTHER	0.0%		22.0% - 0.0%	22.0%	122.0%	0.0%	1.000	0.0%
FTF 6-Year Graduation Rate Latest Major	Overall	62.3%	20.4%						75.0%
	ARTS	52.5%		62.3% - 52.5%	9.8%	30.2%	68.3%	1.039	71.0%
	CBE	67.4%		62.3% - 67.4%	-5.1%	15.3%	77.7%	1.039	80.7%
	COMM	75.2%		62.3% - 75.2%	-12.9%	7.5%	80.8%	1.039	84.0%
	ECS	49.8%		62.3% - 49.8%	12.5%	32.9%	66.2%	1.039	68.8%
	HHD	76.4%		62.3% - 76.4%	-14.1%	6.3%	81.2%	1.039	84.4%
	H&SS	61.6%		62.3% - 61.6%	0.7%	21.1%	74.6%	1.039	77.5%
	NSM	48.9%		62.3% - 48.9%	13.4%	33.8%	65.4%	1.039	68.0%
	OTHER	0.0%		62.3% - 0.0%	62.3%	82.7%	0.0%	1.000	0.0%

15.9%
+ (15.9% x 1.061)
= 32.8%

36.0%
+ (36.0% x 0.86)
= 67.0%

Department Wide Goal-Setting

(College of Communications: 36%)

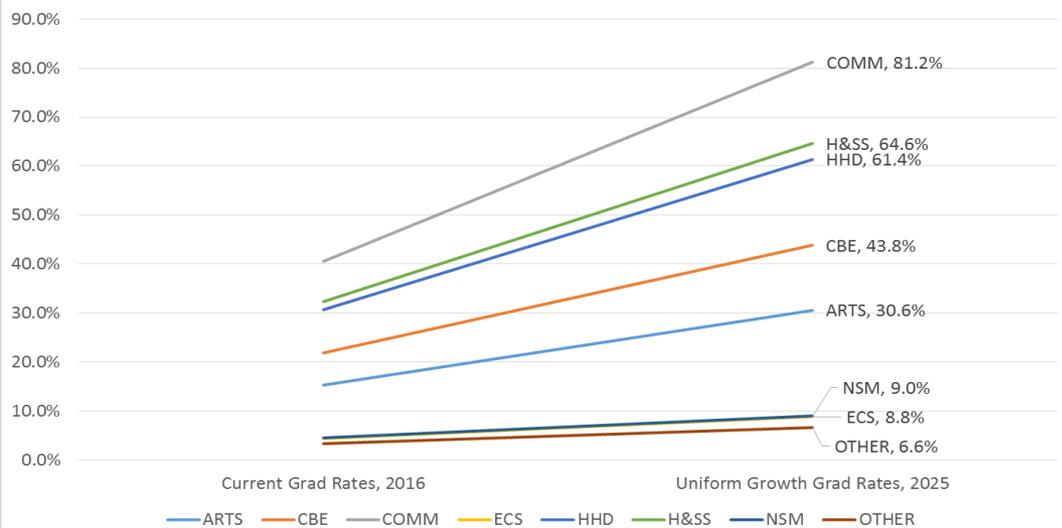
<i>Opportunity</i>	vs	<i>Adjustment</i>
Cinema & TV Dept (32% → 62%)		Human Communication Dept (42% → 77%)
Communication Dept (36% → 70%)		

Exit Department-Wide Adjusted Growth Rates

College	Department	Starting College Headcount	Latest College Headcount	Latest Graduation Rate	Graduation Rates Targets
COMM	College Total	325	558	36.0%	69.0%
	Cinema and Television Arts	85	114	31.6%	62.0%
	Communication Sciences and Disorders	50	42	45.2%	82.5%
	Communications	185	384	36.5%	69.8%
	Human Communications Studies	5	18	33.3%	64.8%

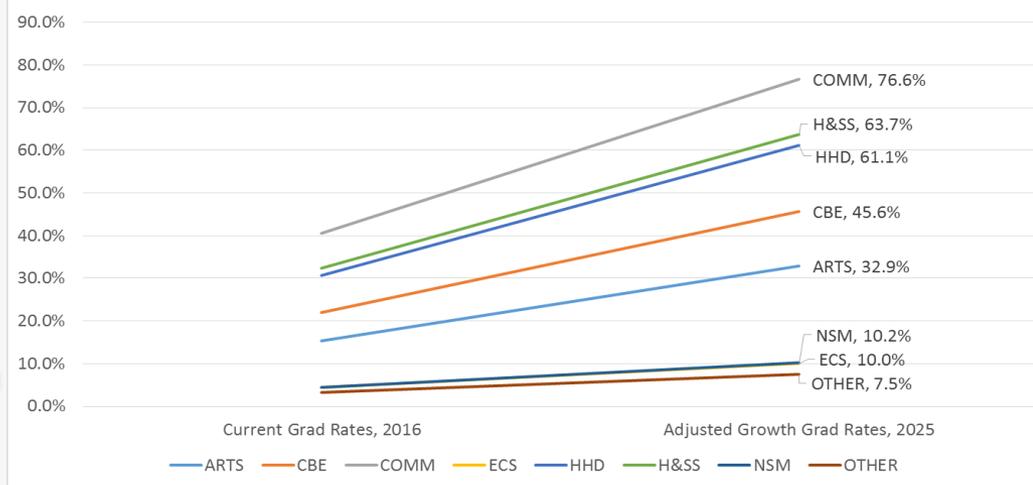
College-Wide Growth Rates by 2025: FTF 4-Year GR

GI 2025 Freshman 4-Year Graduation Rates
College Targets, Uniform Growth Rates (100%)



Based on UNIFORM
100% Increase for each
college

GI 2025 Freshman 4-Year Graduation Rates
College Targets, Adjusted Growth Rates

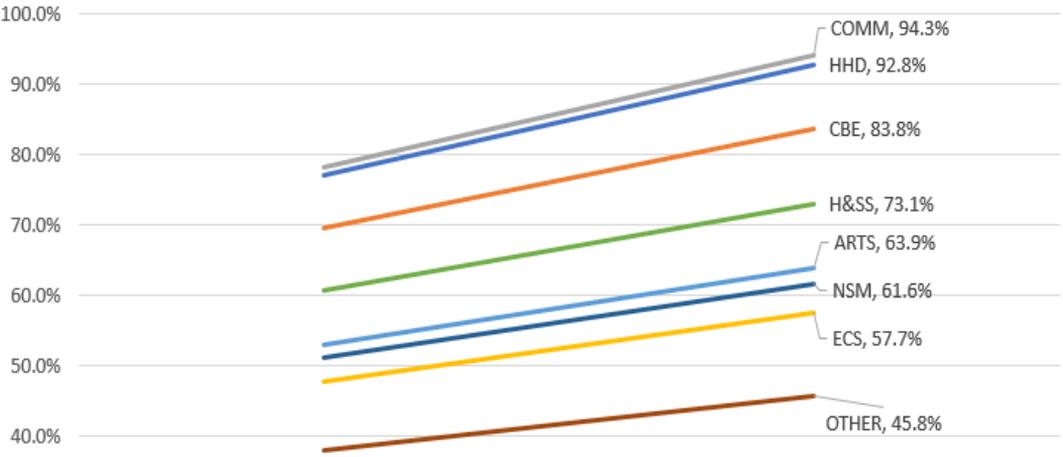


Based on Adjusted %
Increase for each college



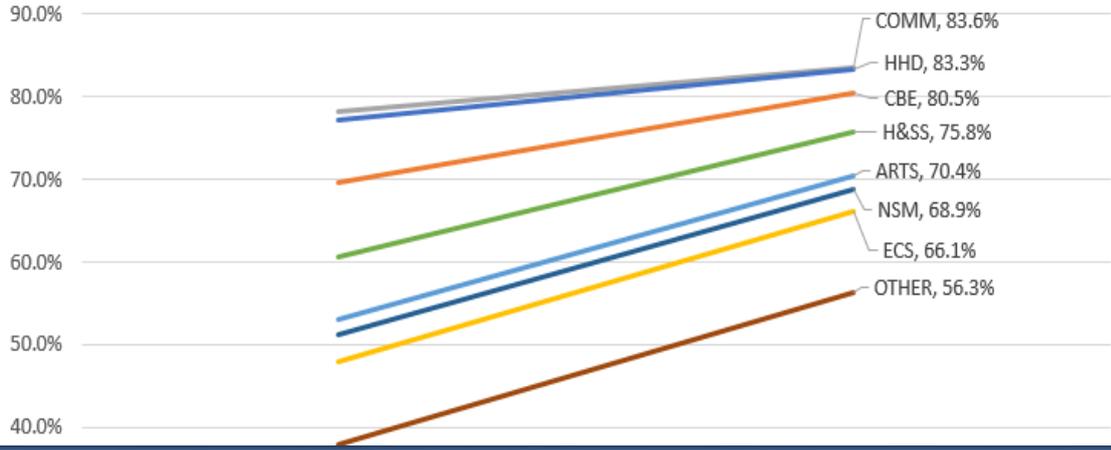
College-Wide Growth Rates by 2025: FTF 6-Year GR

GI 2025 Freshman 6-Year Graduation Rates
 College Targets, Uniform Growth Rates (20.4%)



➔ Based on UNIFORM 20% Increase for each college

GI 2025 Freshman 6-Year Graduation Rates
 College Targets, Adjusted Growth Rates



Based on ADJUSTED % Increase for each college ➔

Data-Driven Decision Making for GI 2025

Provost Meets Department Chairs

- GI 2025 & Student Success Dashboard
- Provost workshop at Faculty Development Center with faculty

College-Wide GI 2025 Goal Discussion with Deans

- Provides data responsive to college needs

Graduation Initiative Advisory Group

- Cross-Divisional group

Support for Data-Driven Decision Making

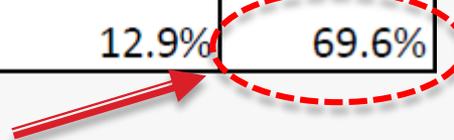
- Potential 4.5/2.5 graduates
- Frequently Taken Courses by 4.5/2.5 graduates
- Graduation Bottleneck Courses
- Freshmen who did not pass 1 or more classes

Data-Driven Decision Making for GI 2025

Graduation Bottleneck Courses

**Business Administration Freshmen 4.5-Year Graduates, Fall 2009-2011 Cohorts
Upper-Division Core Requirement Completion by Semester of Completion**

Course	Third-Year			Fourth-Year			Fifth Year
	5th Semester	6th Semester	Summer Session	7th Semester	8th Semester	Summer Session	9th Semester
BUAD301	35.3%	39.0%	4.1%	10.4%	1.2%	0.0%	0.0%
ECON315/320	8.5%	39.6%	3.0%	34.5%	6.0%	3.4%	1.3%
FIN320	27.8%	35.3%	2.9%	23.7%	4.1%	2.1%	0.4%
ISDS361A	26.8%	39.7%	4.6%	14.2%	3.3%	0.4%	0.0%
ISDS361B	6.7%	21.3%	4.2%	30.5%	27.2%	7.5%	2.1%
MGMT339	10.1%	36.3%	3.8%	39.2%	7.6%	2.1%	0.0%
MGMT340	5.4%	13.8%	5.4%	41.7%	27.5%	4.6%	1.7%
MKTG351	15.1%	39.7%	3.8%	30.1%	9.6%	0.4%	0.0%
MGMT449	0.0%	0.0%	0.4%	0.8%	16.3%	12.9%	69.6%



Data-Driven Decision Making for GI 2025

The More Units The Better in 4-Years

Logistic Regression on FTF *4-Year Graduation Rates*

<i>Effects</i>	Coefficient (B)	Wald χ^2	P	Odds ratio
1st Term Units	.112	49.687	.000	1.119
2nd Term Units	.220	263.662	.000	1.246
Pell_Status	-.374	48.420	.000	.688
First_Generation	-.275	19.165	.000	.760
URM	-.245	22.680	.000	.783
Sex	.765	225.553	.000	2.150
HSGPA	1.090	266.101	.000	2.974

Data-Driven Decision Making for GI 2025

15 Units Takers Graduate Better in 4-Years

Logistic Regression on FTF *4-Year Graduation Rates*

<i>Effects</i>	Coefficient (B)	Wald χ^2	P	Odds ratio
15 Units in 1st Term	.368	54.180	.000	1.445
15 Units in 2nd Term	.996	380.029	.000	2.708
Pell_Status	-.350	41.764	.000	.705
First_Generation	-.268	18.127	.000	.765
URM	-.244	22.357	.000	.783
Sex	.712	194.354	.000	2.038
HSGPA	1.115	274.085	.000	3.048

Data-Driven Decision Making for GI 2025

15 Units Takers Graduate Better in 4-Years

Semester	Units Grouping	4-Year Grad Rates
1st Semester	< 15 Units	16.6%
	>= 15 Units	28.4%
2nd Semester	< 15 Units	11.7%
	>= 15 Units	30.4%

Data-Driven Decision Making for GI 2025

The More Units The Faster Graduate

Linear Regression on FTF *Time-To-Degree*

<i>Effects</i>	Coefficient (B)	Beta	F	P
1 st Term Units	-.037	-.086	-7.327	.000
2 nd Term Units	-.065	-.176	-15.036	.000
Pell_Status	.108	.071	6.021	.000
First_Generation	.049	.029	2.399	.016
URM	.065	.045	3.780	.000
Sex	-.199	-.138	-12.361	.000
HSGPA	-.239	-.135	-12.141	.000

Data-Driven Decision Making for GI 2025

15 Units Takers Graduate Faster

Linear Regression on FTF *Time-To-Degree*

<i>Effects</i>	Coefficient (B)	Beta	F	P
15 Units in 1st Term	-.147	-.093	-8.249	.000
15 Units in 2nd Term	-.288	-.205	-17.984	.000
Pell_Status	.100	.066	5.633	.000
First_Generation	.048	.029	2.363	.018
URM	.064	.044	3.752	.000
Sex	-.188	-.130	-11.750	.000
HSGPA	-.248	-.140	-12.709	.000

Data-Driven Decision Making for GI 2025

15 Units Takers Graduate Better in 4-Years

Semester	<i>Units Grouping</i>	Time-To-Degree
1st Semester	< 15 Units	4.92 Yrs
	>= 15 Units	4.66 Yrs
2nd Semester	< 15 Units	5.02 Yrs
	>= 15 Units	4.66 Yrs

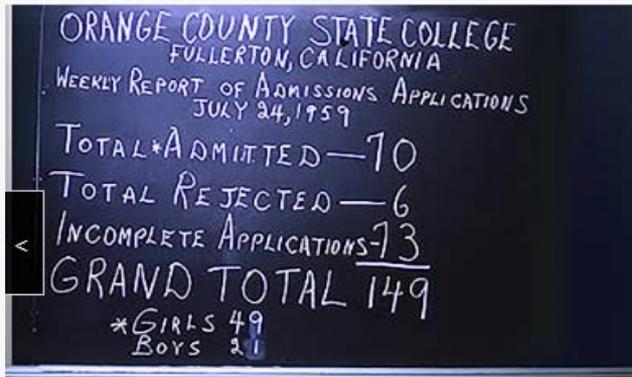
Conclusion

- ***5th Semester Time Point:***
 - ➔ ***College owns accountability for their students***
- ***The More Units in 1st Year, The Better / The Faster***
- ***15 Units Takers graduate Better in 4-Years, graduate Faster***
- ***Collegial Efforts : Cross-Divisional Collaboration***
(Academic Affairs and Student Affairs)
- ***Collaboration with High School District & Community College***
- ***Achievement Gap***

Q & A

Institutional Research & Analytical Studies

QUICK FACTS | STUDENT DATA | FACULTY DATA | PRESENTATIONS | SURVEYS | RESOURCES | ABOUT US



Acayear	Headcount	Fall rb-FTES
2016-2017	40,235	32,306
2015-2016	38,948	31,405
2014-2015	38,128	30,819
2013-2014	38,325	30,777
2012-2013	37,677	30,287

Fall 1959 Admission Reporting System as compared to the Current Reporting Metrics

- ▶ Presentation available on IRAS website:
 - <http://www.fullerton.edu/analyticalstudies/>
- ▶ Contact: Sunny Moon, Director of Institutional Research & Analytical Studies
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