



**Central Florida Education Ecosystem Database:
A model for sharing student data
across institutions to improve student academic success**

Agenda

- ❖ General Introduction
- ❖ CFEED Background
- ❖ Example of findings
- ❖ Other Projects/ Future Ideas
- ❖ Questions

General Introduction



Nicole Scala

SDOC Research Analyst

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- ❖ 6-12 Educator for 12 Years
 - 7 Years in Brevard County
 - ✓ Mathematics (Including AP)
 - ✓ Physics
 - 5 Years in South Korea
 - ✓ Mathematics (Including AP)
 - ✓ Physics (Including AP)
 - ✓ Economics (Including AP)

- ❖ Education:
 - Bachelor of Science in Mathematics Education
 - Master of Education in Educational Leadership
 - Master of Science in Operations Research

CFEED Background – Who is CFEED?

Helios[®]
Education Foundation

MCG Midtown
Consulting group.



School District of
OSCEOLA COUNTY
FLORIDA



**UNIVERSITY OF
CENTRAL FLORIDA**



**Orange County
Public Schools**

VALENCIA COLLEGE

CFEED Background –What is CFEED?



INFORMATION

Information is Shared, Synthesized, and Analyzed using the Microsoft Azure Platform

INSIGHT

Insights are Developed, Investigated, and Distributed using Microsoft Power BI

IMPACT

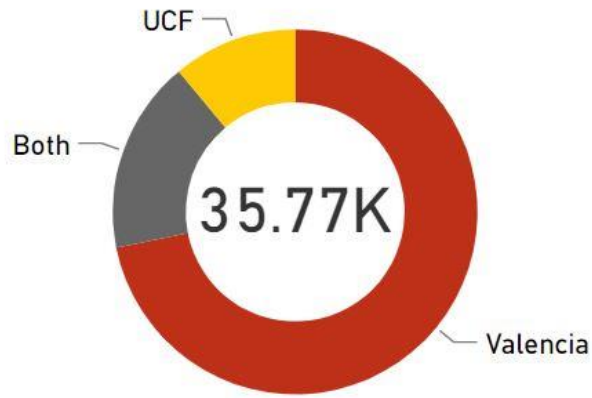


K12 High School Pathways and the Impact on Post-Secondary

Students who graduated between 2012 and 2018 from either School District of Osceola County or Orange County Public School and matriculated to the University of Central Florida, Valencia College, or a combination of the two.



Post Secondary Student Enrollment After High School Graduation



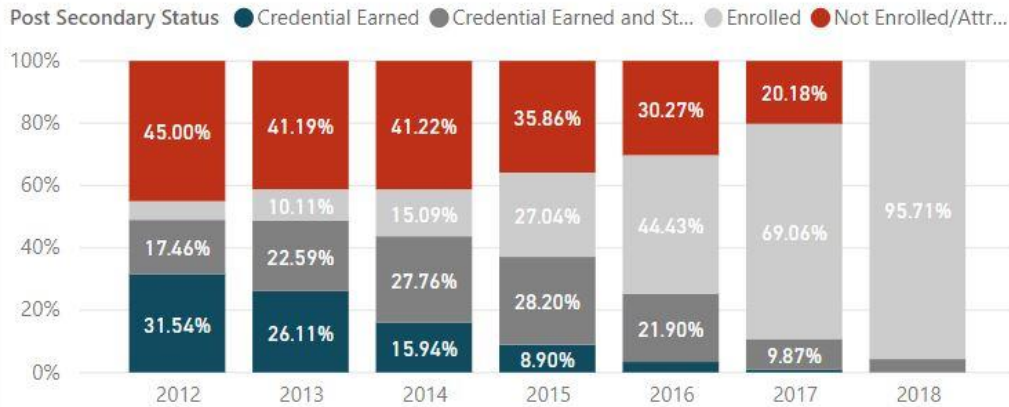
28.65%

Attrition Rate

28.78%

Completion Rate

Current Post Secondary Status By High School Graduation Year



30,588

Total FTIC

33.47%

Major Shock Rate

19.62%

Minor Shock Rate

VALENCIA

1.UNIQUE COURSES | 2.REPEATED COU...

1.High Risk

4,512 Student Count	0.65 1st Term Avg GPA	93.44% 1st Term DFW Rate	70.50% Attrition Rate
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2.Medium Risk

11,709 Student Count	2.28 1st Term Avg GPA	65.51% 1st Term DFW Rate	39.89% Attrition Rate
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3.Low Risk

14,367 Student Count	3.30 1st Term Avg GPA	12.42% 1st Term DFW Rate	13.93% Attrition Rate
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5,133

Total FTIC

26.75%

Major Shock Rate

27.41%

Minor Shock Rate

UCF

1.UNIQUE COURSES | 2.REPEA...

1.High Risk

209 Student Count	1.42 1st Term Avg GPA	86.60% 1st Term DFW Rate	38.76% Attrition Rate
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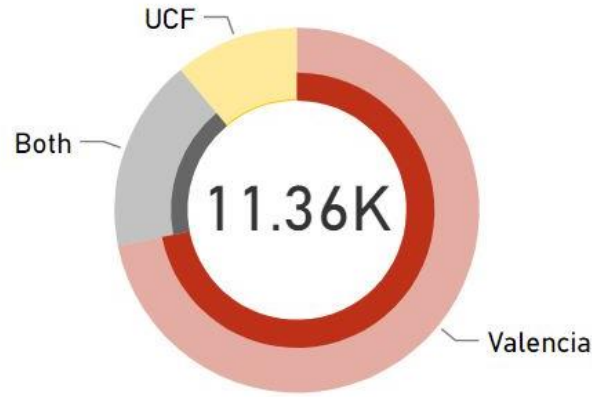
2.Medium Risk

4202 Student Count	3.26 1st Term Avg GPA	64.16% 1st Term DFW Rate	6.76% Attrition Rate
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3.Low Risk

722 Student Count	3.70 1st Term Avg GPA	41.69% 1st Term DFW Rate	3.88% Attrition Rate
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Post Secondary Student Enrollment After High School Graduation



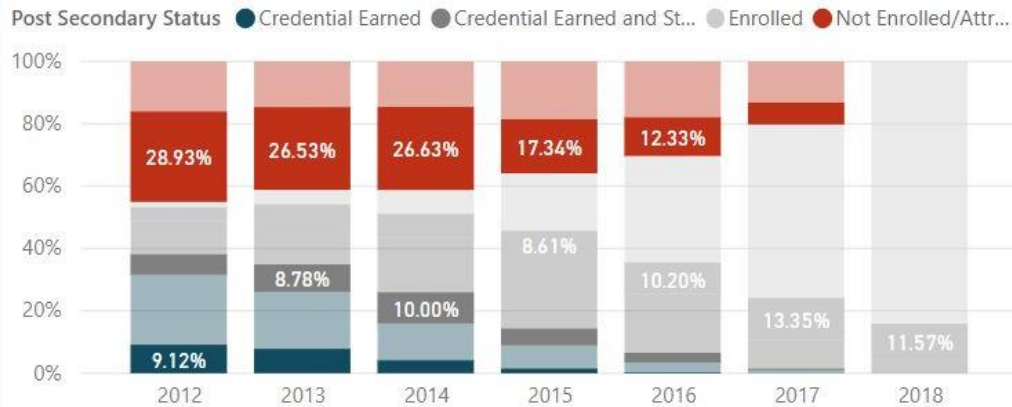
48.26%

Attrition Rate

22.39%

Completion Rate

Current Post Secondary Status By High School Graduation Year



11,216

Total FTIC

41.41%

Major Shock Rate

17.53%

Minor Shock Rate

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1.UNIQUE COURSES

1.High Risk

2,549 Student Count	0.60 1st Term Avg GPA	94.47% 1st Term DFW Rate	80.78% Attrition Rate
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2.Medium Risk

5,061 Student Count	2.16 1st Term Avg GPA	70.10% 1st Term DFW Rate	51.89% Attrition Rate
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3.Low Risk

3,606 Student Count	3.17 1st Term Avg GPA	17.28% 1st Term DFW Rate	21.41% Attrition Rate
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2.REPEATED COU...

141

Total FTIC

36.88%

Major Shock Rate

29.08%

Minor Shock Rate

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1.UNIQUE COURSES

1.High Risk

11 Student Count	1.14 1st Term Avg GPA	100.00% 1st Term DFW Rate	45.45% Attrition Rate
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2.Medium Risk

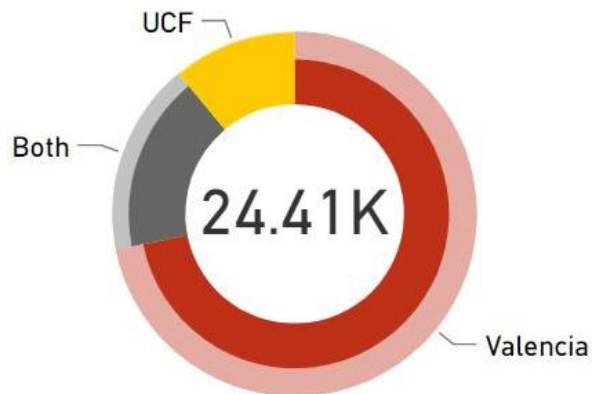
105 Student Count	3.05 1st Term Avg GPA	84.76% 1st Term DFW Rate	18.10% Attrition Rate
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3.Low Risk

25 Student Count	3.50 1st Term Avg GPA	60.00% 1st Term DFW Rate	4.00% Attrition Rate
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2.REPEA...

Post Secondary Student Enrollment After High School Graduation



19.53%

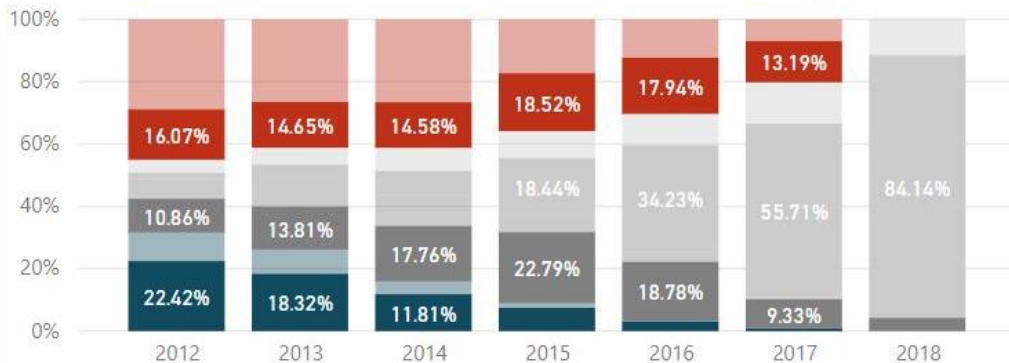
Attrition Rate

31.75%

Completion Rate

Current Post Secondary Status By High School Graduation Year

Post Secondary Status ● Credential Earned ● Credential Earned and St... ● Enrolled ● Not Enrolled/Attr...



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19,372

Total FTIC

28.88%

Major Shock Rate

20.82%

Minor Shock Rate

1.UNIQUE COURSES

1.High Risk

1,963	0.71	92.10%	57.16%
Student Count	1st Term Avg GPA	1st Term DFW Rate	Attrition Rate

2.Medium Risk

6,648	2.37	62.00%	30.76%
Student Count	1st Term Avg GPA	1st Term DFW Rate	Attrition Rate

3.Low Risk

10,761	3.35	10.79%	11.43%
Student Count	1st Term Avg GPA	1st Term DFW Rate	Attrition Rate

U
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4,992

Total FTIC

26.46%

Major Shock Rate

27.36%

Minor Shock Rate

1.UNIQUE COURSES

1.High Risk

198	1.44	85.86%	38.38%
Student Count	1st Term Avg GPA	1st Term DFW Rate	Attrition Rate

2.Medium Risk

4097	3.26	63.63%	6.47%
Student Count	1st Term Avg GPA	1st Term DFW Rate	Attrition Rate

3.Low Risk

697	3.70	41.03%	3.87%
Student Count	1st Term Avg GPA	1st Term DFW Rate	Attrition Rate

Findings

- Students who attempted at least one high school acceleration are 2.5 times less likely to attrit from UCF and/or Valencia than students who attempted no high school acceleration.
- Students who attempted at least one high school acceleration are 1.4 times more likely to complete a post-secondary credential from UCF and/or Valencia than students who attempted no high school acceleration.
- Based on the first 5 successful course completions at UCF or Valencia for FTIC students, those who attempted at least one high school acceleration were classified as low risk students more often than students who did not attempt acceleration .

Other Projects / Future Ideas

- Valencia First Math Attempt Gaps and Pathways
- Valencia Direct Connect Transfer Shock
- Valencia Direct Connect Critical Pathway Success Rates
- Direct Connect Course Taking Patters to UCF Major Readiness
- Grade 8 Biology Acceleration Pathways and Post Secondary
- P.E.I.D. Science Curricular Alignment Project
- High School Dual Enrollment Success Predictors



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☰ Questions



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