



# Central Florida Regional Curriculum Alignment Conference Report

April 7, 2023

Daytona State College



# ALIGNING TO THE NEW REALITY



## **CURRICULUM ALIGNMENT CONFERENCE** **APRIL 7, 2023**

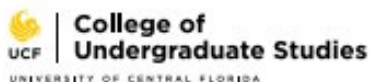
Each spring the Curriculum Alignment Initiative hosts a conference attended by academic leaders, faculty members and academic advisors from across the seven DirectConnect to UCF® institutions, and partners in the area public school systems. At this conference, participants share insights and information regarding the curriculum alignment efforts by attending presentations and informational or interactive sessions provided to enhance and promote the curriculum alignment efforts.

With the goals of Curriculum Alignment and transfer student success in mind, the tracks are:

**Track 1 – Multiple Modalities of Instruction**

**Track 2 – Authentic Assessments**

**Track 3 – Using Data for Student Success**





<b>Time</b>	<b>Sessions/Presenters</b>
8:30-9 a.m.	<b>Arrivals &amp; Continental Breakfast</b>
9-9:05 a.m.	<b>Opening Remarks</b> <i>Dr. Teresa Dorman, University of Central Florida</i>
9:05-9:30 a.m.	<b>Welcome Address</b> <i>Dr. Theodora Regina Berry, University of Central Florida</i>
9:30-10:15 a.m.	<b>Transfer Student Data</b> <i>Dr. Pam Cavanaugh, University of Central Florida</i>
10:15-10:30 a.m.	<b>Announcements</b>
10:30-11:15 a.m.	<p><b>Concurrent Sessions: Select one</b></p> <p><b>Track 1: Multiple Modalities of Instruction   Main Conference Room</b></p> <p><b>Tick Tock, Tick Tock, Are You Reaching the Stimulus Saturated Millennials?</b> <i>Ms. Sue Wheeler, Daytona State College</i> <i>Dr. Connie Hudspeth, Seminole State College</i></p> <p>The TikTok mindset is rewiring student's brains and causing them to have shortened attention spans. How do we change our modalities to accommodate shortened attention spans? Join us as we help you navigate the "glazed over" look in students' eyes and consider online assignments that are shorter in length, the need for visual stimulus, interactive activities, and quick clicks to links with examples. How do we compete with the oversaturation of praise (think about Candy Crush wherein players receive gold stars, confetti, yayyys, and consider Facebook with "likes")? We will contrast these methods with old "tried and true" methods many of us are still utilizing. We will also look at current research about teaching modalities as we re-engineer ourselves to be more effective in the classroom. This session will be super interactive so please come prepared to have fun while discovering and sharing, and maybe earn a gold star!</p> <p><b>Track 2: Authentic Assessments   Room: 221</b></p> <p><b>The Impact of Multiple-Attempt Testing in Transfer Students Success</b> <i>Dr. Marino Nader, Dr. Hyoung Jin Cho, University of Central Florida</i></p> <p>The three-attempts testing is a strategy that I have used in a gateway engineering class to mitigate transfer shock and help the overall success of all students. This has so far proven to be the right method of assessment because learning possibilities are also interwoven in the process. This method not only helps the students succeed, but it gives them hope each time they see their grades increase for each attempt they make, making it like scaffolding blocks the students can hinge their forward steps upon for higher success. This presentation will share and discuss aggregate student success data from a Spring 2021 engineering dynamics class at the university. Initial findings suggest that with the first attempts the First Time in College (FTIC) student always beat the Transfer Student, but by the third attempt, it was found out that both groups achieved the same percentage success of 51%-51% in the tests. This method also puts the students at ease, makes them comfortable when taking their tests and thus minimizes exams stress. It seems there is a lot of potential with this methodology.</p>

Time	Sessions/Presenters
	<p><b>Track 3: Using Data for Student Success   Room: 225</b></p> <p><b>Creation of Accounting Discipline Transfer Student Resource and Success Website</b>  <i>Dr. Jeff Reinking, University of Central Florida</i></p> <p>We developed a website specific to accounting direct connect students that is used at the State College level to engage with pre-accounting students before they get to UCF. The faculty at the Direct Connect institutions embed the website URL in their syllabi and discuss with the website content with potential accounting students. The website, which is discipline specific, outlines what needs to be completed at State College, first steps once you get to UCF, outline of courses and prerequisites, CPA licensing requirements, career opportunities, and our pre-accounting Canvas resource they will have access to at UCF. We created this resource using faculty feedback from both UCF and State Colleges, archived minutes and emails, and anecdotal student feedback. The impact of this website will be creating more interest in the accounting profession as well as creating higher levels of success once students transfer to UCF and take ACG 3131, the required course to gain access to the accounting major. The data we gathered was critical in building the resource to help our students succeed in the accounting major at UCF.</p>
11:15-11:30 a.m.	<p><b>Break</b></p>
11:30 a.m. - 12:15 p.m.	<p><b>Concurrent Sessions: Select one</b></p> <p><b>Track 1: Multiple Modalities of Instruction   Main Conference Room</b></p> <p><b>Course Design to Maximize Learning</b>  <i>Mr. Adam LaMee, University of Central Florida</i></p> <p>While findings pedagogy research can sometimes seem difficult to apply to one's particular situation, this session will lead participants through drafting a course plan using practical recommendations from leading professional organizations and widely-adopted studies.</p> <p><b>Track 1: Authentic Assessments   Room: 225</b></p> <p><b>Meeting Post-Pandemic Alignment Challenges with Innovation and Cooperation: The Fundamentals of Speech Repository</b>  <i>Dr. Adam Parrish &amp; Ms. Shari Hodgson, University of Central Florida</i></p> <p>Collaborative conversations with colleagues frequently produce exciting and effective instructional and student engagement strategies. However, the hectic world of higher education sometimes limits opportunities for scholars to interact and share ideas meaningfully. Significant changes in workplace engagement and communication caused by the COVID-19 pandemic could also hinder purposeful partnerships. Meeting these challenges requires cooperation and innovation. In this session, presenters will discuss the Fundamentals of Speech Repository (FSP). The FSP was created in 2022 as a collaborative effort between the University of Central Florida and its DirectConnect State College Partners. It provides free, ready-to-go instructional materials for fundamental speech courses, which can be accessed by any faculty member or teaching assistant in the UCF/DirectConnect system. Presenters will explore the creation, curation, and continued evolution of the FSP, as well as facilitate an interactive discussion about sharing academic materials and student engagement strategies within and among academic disciplines.</p>



Time	Sessions/Presenters
	<p><b>Track 2: Using Data for Student Success   Room: 221</b></p> <p><b>Course-Level Assessment for Degree Pathways</b>  <i>Ms. Nichole Jackson, Ms. Kristin Abel, Dr. Lynn Sims, Dr. Lynta Thomas, &amp; Dr. Veeramuthu Rajaravivarma, Valencia College</i></p> <p>A pathway is more than a route to an outcome or a recommended sequence of courses. Do students have expectations about what they will learn within a pathway? By aligning assessments to learning outcomes within pathways we can become more transparent about what students learn along each pathway. In this session a panel will guide participants in discussion of pathway assessments embedded at the course level and how the results lead to strategies for improving learning.</p> <p><b>Alternate Track   Room: 226</b></p> <p><b>The Digital Dance: How Technology and Collaboration is Creating an Articulation Platform to Create Smoother Pathways for Transfer Students</b>  <i>Mr. Scott Mauro, University of Central Florida</i></p> <p>Scott Mauro, Associate Director of strategy for the Florida Consortium of Metropolitan Research Universities, reviews results from a recent symposium of where three metropolitan institutions collaborated on a digital platform to assist students through technology to design self-guided degree plans prior to transfer so they have better information and a better transfer experience.</p>
12:15-1 p.m.	<b>Lunch</b>
1-1:45 p.m.	<p><b>Concurrent Sessions: Select one</b></p> <p><b>Track 1: Multiple Modalities of Instruction   Main Conference Room</b></p> <p><b>Escaping to Reality: How Engaging Students in an Escape Room can Open their Minds to New Possibilities in Research</b>  <i>Ms. Sue Wheeler &amp; Ms. Anibal Delgado Gonzalez, Daytona State College</i></p> <p>Join us as we participate in an Escape Room designed to captivate students' perceptions of libraries and electronic databases. With the goal of increasing information literacy, this activity was a collaborative effort to bring much needed components of identifying; finding; evaluating; applying and acknowledging sources of information to students while engaging them in a nontraditional format.</p> <p>We will discuss current research regarding game-based learning or gamification and systematic reviews, specifically focusing on the trends of educational escape rooms; the main characteristics of an educational escape room; and the advantages and challenges of using escape rooms in educational settings. This session will be interactive and will allow participants to experience an Escape Room as well as to give insight into how the development of specific game-based learning can benefit students at each of our academic institutions.</p> <p><b>Track 2: Authentic Assessments   Room: 221</b></p> <p><b>UCF's Integrative General Education Program &amp; the Co-Curricular Student Experience</b>  <i>Dr. Amy Darty, Dr. Annabelle Conroy &amp; Dr. Wayne Bowen, University of Central Florida</i></p> <p>UCF College of Undergraduate Studies (CUGS) has worked with faculty and student</p>

Time	Sessions/Presenters
	<p>stakeholders to create an integrative experience for General Education coursework across disciplines by emphasizing shared learning outcomes. In our presentation, we will share the 5 Integrative GEP Experience Student Learning Outcomes (SLO) and examples of their use by faculty in co-curricular assignments and assessment. Then, participants will have a hands-on opportunity to compare their GEP foundations and how UCF's Integrative GEP SLOs can connect their student advising and course administration.</p> <p>Creating a new co-curricular approach to assessment, which begins with the primary Communication, Historical &amp; Cultural, Mathematical, Social and Science Foundations, has streamlined understanding of the comparative outcomes promoted by courses within the same Foundation area but also across them. The five SLO emphasized in our integrative approach, Communications, Cultural Interactions, Problem Solving, Interpretation &amp; Evaluation, and Knowledge Application, reach across the core Foundation areas of GEP curriculum to better engage students' understanding of how the courses they complete work together to build an interconnected foundation for upper-level coursework. This embodies the Curriculum Alignment focus as it promotes the learning outcomes of an Integrative GEP as the gateway to degree and career development and student reflective practice.</p> <p><b>Track 2: Using Data for Student Success: Room 225</b></p> <p><b>Fostering College Readiness in Chemistry through Coordinated High School Manual</b>  <i>Ms. Carey Krzeminski &amp; Mr. Alexander Stubenbort, Orange County Public Schools</i></p> <p>Teachers are frequently isolated in their classrooms with little time to collaborate with colleagues. This only increases as we move upward in K-12 education which leads to some high school subject area teachers working in a silo leading to varied interpretations of state standards and lack of guidance for beginning teachers.</p> <p>This presentation will explain how Orange County Public Schools created a resource, The Chemistry Essential Labs Manual, to support high school Chemistry teachers in implementing lab activities that connect to state standards. The presentation will describe the process for creating this resource from the beginning to its current state, the professional development provided to teachers to create buy-in as well as the collaborations between high school and University faculty that resulted during its creation to provide further alignment from K-12 to post secondary.</p> <p><b>Alternate Track   Room: 226</b></p> <p><b>Course Sequence Data Demo</b>  <i>Dr. Teresa Dorman, University of Central Florida</i></p>
1:45-2 p.m.	<p><b>Closing Announcements</b>  <i>Dr. Harrison Oonge &amp; Dr. Teresa Dorman, University of Central Florida</i></p>
2-2:20 p.m.	<p><b>Closing Remarks</b>  <i>Dr. Amy Locklear, Daytona State College</i></p>
2:30 p.m.	<p><b>Conference Adjourns</b></p>



# SPECIAL THANKS TO:

## Conference Host



## Additional Support



## Planning Committee

### Farah Abass

Academic Program Coordinator I, College of Undergraduate Studies  
University of Central Florida

### Teresa Dorman

Associate Dean, College of Sciences  
University of Central Florida

### Martin Malpica

Marketing Communications Director, UCF Connect  
University of Central Florida

### Tommy Minton, Ed.D.

Academic Dean, Mathematics Department  
Seminole State College

### Harrison Oonge

Assistant Dean Academic Planning, College of Undergraduate Studies  
University of Central Florida

### Cheryl Robinson

Director, Curriculum & Articulation  
Valencia College

### Erin Saitta

Assistant Professor, College of Sciences  
University of Central Florida

### Barbara Smith

Senior Communications Director, College of Undergraduate Studies  
University of Central Florida

## Conference Attendees

Last Name	First Name	Institution
Abass	Farah	University of Central Florida
Abel	Kristin	Valencia College
Ahmad	Ghazala	Valencia College
Ait Maalem Lahcen	Rachid	University of Central Florida
Ajlani	Sam	College of Central Florida
Anindya	Paul	Daytona State College
Backer	James	Daytona State College
Berning	Trent	Daytona State College
Berry	Theodora	University of Central Florida
Booth	Gabi	Daytona State College
Bowen	Wayne	University of Central Florida
Campbell	Marc D	Daytona State College
Campos	Maria	Eastern Florida State College
Cavanaugh	Pam	University of Central Florida
Chmilnitzky	Farrah	Seminole State College
Cho	Hyoung Jin (Joe)	University of Central Florida
Chopra	Manoj	University of Central Florida
Christopherson	Adam	Santa Fe College
Cohen	Lisa	Valencia College
Collins	Mark	Valencia College
Comerford	Amy	Valencia College
Conroy	Annabelle	University of Central Florida
Darty	Amy	University of Central Florida
Delgado	AJ	Daytona State College
Diercksen	Christa	University of Central Florida
Dorman	Teresa	University of Central Florida
Dribben	Anthony	Indian River State College
Dunn	Susan	Valencia College
Durant	Michael	Daytona State College
Emmert	John	Daytona State College
Flota	Michael	Daytona State College
Fox	Dalia	Seminole State College
Gibson	Barry	Daytona State College
Givoglu	Wendy	Valencia College
Gossai	Mahendra	Valencia College
Graydon	Ben	Daytona State College
Guvendik	Mevlut	Eastern Florida State College
Hardy	Kimberly	University of Central Florida
Herndon	Pat	Daytona State College
Holmes	LaKisha	Daytona State College
Hudspeth	Connie	Seminole State College
Jackson	Nichole	Valencia College



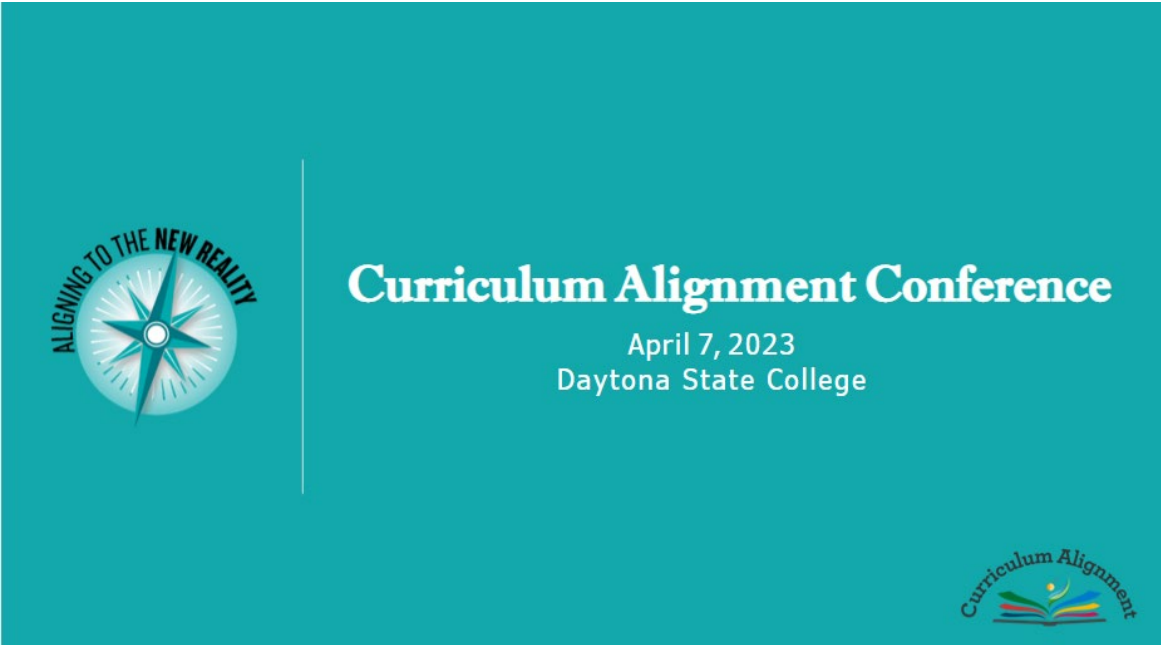
Jin Cho (Joe)	Hyoung	University of Central Florida
Johnson	Joshua	Daytona State College
Jones	Courtney	University of Central Florida
Jothimadan	Praba	Daytona State College
Kayanamura	Yohani	Daytona State College
Keeter	Sandy	Seminole State College
Kolpashchikov	Dmitry	University of Central Florida
Koory	Karen	Daytona State College
Kraskin	Richard	Daytona State College
Krzeminski	Carey	Central Florida School Districts - K-12
Kurhan	Matt	Daytona State College
LaMee	Adam	University of Central Florida
Larson	Holly	Seminole State College
Leon	Dante	Daytona State College
Lewis	Tiffany	Indian River State College
Lindbeck	Graeme	Valencia College
Locklear	Amy	Daytona State College
Long	Kim	Valencia College
Lynch	Debbie	Seminole State College
Lynta	Thomas	Valencia College
Malpica	Martin	University of Central Florida
Mauro	Scott	Florida Consortium of Metropolitan Research Universities
Metzger	Luis	Daytona State College
Minton	Tommy	Seminole State College
Mixon	Donna	Daytona State College
Moisii	Cristina	Eastern Florida State College
Murad	Roulana	Daytona State College
Nader	Marino	University of Central Florida
Nagiel	Max	Daytona State College
Nguyen	Boris	Valencia College
Nicely	Pete	College of Central Florida
Nicholas	Tekla	Florida International University
Norbutus	Amanda	Valencia College
Oonge	Harrison	University of Central Florida
O'Toole	Ian	Valencia College
Parrish	Adam	University of Central Florida
Poniatowski	Joshua	Daytona State College
Poppert	Kimberly	University of Central Florida
Rajaravivarma	Ravi	Valencia College
Reinking	Jeff	University of Central Florida
Robinson	Cheryl	Valencia College
Roman	Eduardo	Daytona State College
Saitta	Erin	University of Central Florida
San Miguel	Anitza	Valencia College
Schachel	Robert	Valencia College
Schrader	Jessica	Eastern Florida State College

Schroeder	Kersten	University of Central Florida
Segarra	Nichole	Valencia College
Seker	Deidre	Daytona State College
Sims	Lynn	Valencia College
Smith	Barbara	University of Central Florida
Smith	Jim	University of Central Florida
Sofianos	Ted	Daytona State College
Sprouse	Robert	Daytona State College
Stefanov	Alina	University of Central Florida
Stein	Scott	Indian River State College
Stephens	Jeffrey	Lake Sumter State College
Stubenbort	Alex	Orange County Public Schools
Sweet	Erik	Daytona State College
Swint	Michelle	Daytona State College
Taylor	Amanda	Seminole State College
Teixera	Katiuscia	University of Central Florida
Thompson	Steve D	Daytona State College
Upasana	Santra	Valencia College
Valdes	Jane	Florida International University
Van De Car	Sidra	Valencia College
Velez	Rafael	Daytona State College
Villa	Josh	University of Central Florida
Vollaro	Vollaro	Daytona State College
Wheeler	Sue	Daytona State College



## Conference Presentations

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**Welcome to the 2023 Curriculum Alignment Conference!**  
Please enjoy the continental breakfast











Need to access today's agenda?  
Please use your mobile device to  
scan the QR Code below:



WiFi Access: DSCGuest



### Curriculum Alignment Planning Committee

- |                |   |   |                 |
|----------------|---|---|-----------------|
| Farah Abass    |  |  | Teresa Dorman   |
| Martin Malpica |  |  | Tommy Minton    |
| Harrison Oodge |  |  | Cheryl Robinson |
| Erin Saitta    |  |  | Barbara Smith   |

### SPECIAL THANKS TO:



# CURRICULUM ALIGNMENT

SINCE 2006

Among the DirectConnect partner colleges and the University of Central Florida (UCF), the goals of curriculum alignment are:

- To synchronize core content and the competencies gained by students taking courses that are transferable within the partner colleges and UCF.
- To increase the propensity of state college students completing lower-level courses required for their anticipated major.
- To ensure that the competencies gained by students taking these courses are sufficient for successful progression to a requisite, next-level course at any institution, with the ultimate goal of a UCF bachelor's degree.

As in everything, the primary objective is improving student success.



**400+ PARTICIPANTS**

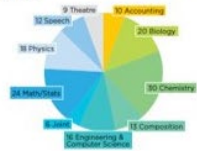
**2 CURRICULUM ALIGNMENT FACULTY FELLOWS**

**SHARING OF INFORMATION AND DATA THROUGH MICROSOFT TEAMS**

**58 COURSES BEING ALIGNED**

- |                           |                       |
|---------------------------|-----------------------|
| <b>2</b> Accounting       | <b>12</b> Mathematics |
| <b>3</b> Biology          | <b>5</b> Physics      |
| <b>8</b> Chemistry        | <b>1</b> Speech       |
| <b>2</b> Composition      | <b>1</b> Statistics   |
| <b>3</b> Computer Science | <b>13</b> Theatre     |
| <b>8</b> Engineering      |                       |

**158 DISCIPLINE MEETINGS**



**11 CONFERENCES**



## Opening Remarks

Dr. Teresa Dorman  
Associate Dean of the College of Sciences  
University of Central Florida





Welcome Address

## Keynote Presentation

Presented by: Dr. Theodora Regina Berry  
Vice Provost & Dean of the College of Undergraduate Studies  
University of Central Florida



# Understanding Curriculum and Curriculum Alignment

Theodora Regina Berry, Ed.D.  
Vice Provost and Dean  
College of Undergraduate Studies



# **Understanding Curriculum and Curriculum Alignment**

Theodorea Regina Berry, Ed.D.  
Vice Provost and Dean  
College of Undergraduate Studies

## **My Curriculum History...**



## **A Short Story**

## **What is Curriculum?**

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- Subjects comprising a course of study in school, college, or university.
- **All of the learning of students which is planned by and directed by the school to attain its educational goals.** (Tyler)
- **A continuous reconstruction, moving from the learner's present experience out into that represented by the organized bodies of truth that we call studies...**(Dewey)
- From the Latin "currere," meaning "to run the race/course."

## **Curriculum and Higher Education**

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- An undergraduate curriculum is a formal academic plan for the learning experiences of students in pursuit of a college degree. (Dezure)
- During the 1980s, critiques of American higher education were increasing in frequency and stridence. How do we know what college students are learning and what they need to contribute to the workforce and society?

# Curriculum Alignment Pre-January 2020



## Pre-Supposition

Horizontal Curriculum Alignment provides all students (FTIC and Transfer) with the same foundational knowledge



## **Problems?**

- Not all students receiving the same grades in a prerequisite/general education course were performing the same in the subsequent/core/required course
- Different programs had different understandings/requirements for transfer students to be major ready



## **Asset-Oriented Thinking**

### Vertical Curriculum Alignment

- Curriculum alignment meetings between prerequisite instructors and major professors
- Includes discussion about assessments, evaluations, and student learning outcomes
- Compliments Curricular Analytics Project

### Defining and Articulating Major Readiness

- Creating clarity and transparency about what students need to successfully transition
- Transfer credit evaluation system improvement

# **Key Ingredient: Partnership**

Curriculum, Communication, Collaboration, Cohesion

## **Partnership and Curriculum Alignment**

### **Context for the Work Ahead**

- What knowledge (and experiences) are most worthwhile?
- Who/what determines the knowledge (and experiences) that are most worthwhile?

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## **Partnerships for Curriculum Alignment: Leaning on the Foundation**

- State Colleges
- Board of Governors and Legislature
- CFEED
- UCF
  - Academic colleges/departments
  - Academic Policy
  - Curriculum Alignment Team
  - UCF Connect, DirectConnect to UCF® Steering Committee, CACC

# Transfer Student Data

Dr. Pam Cavanaugh, Associate Vice Provost of UCF Connect  
Division of Student Success and Well-Being  
University of Central Florida



Curriculum Alignment Conference  
April 7, 2023

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## **TRANSFER STUDENT DATA**

Dr. Pam Cavanaugh  
Associate Vice Provost  
UCF Connect & Transfer Student Success  
Division of Student Success & Well-Being







## “The reckoning is here”

**More than a third of community college students have vanished**

Among those who do enroll, red tape and a lack of support are crushing their ambitions

*The Hechinger Report, April 3, 2023*

## STATE OF TRANSFERS

Higher education lost over **296,000** transfer students during the pandemic.

Transfer Student  
Enrollment from  
2-year to 4-year down  
**14.5% ↓**




### New trends in transfers

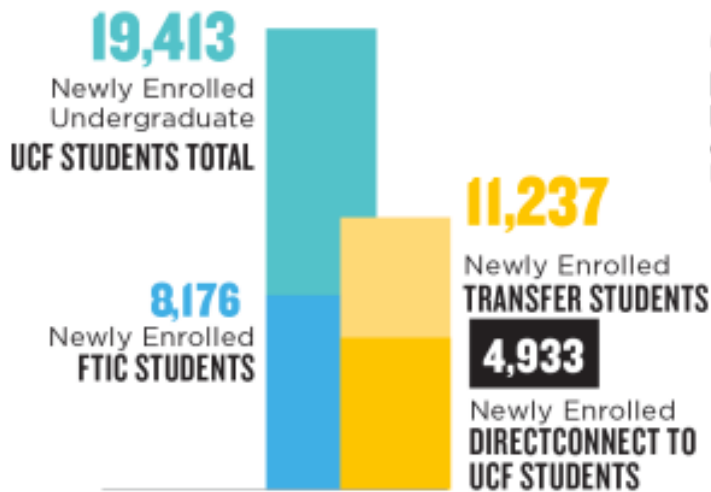
- 4-year to 4-year increasing
- 2-year to 2-year increasing
- 4-year to 2-year increasing


Source: National Student Clearinghouse Research Center

## STATE OF TRANSFERS AT UCF

### 2022-2023 SNAPSHOT

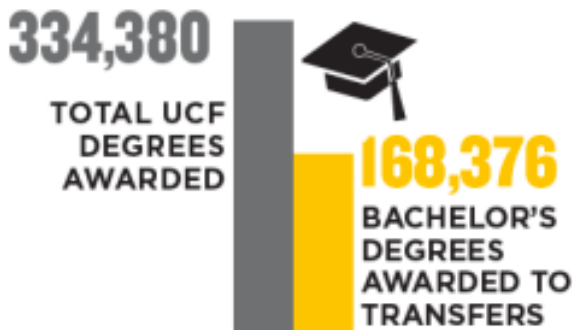

**57.8%**  
 OF TOTAL NEW UNDERGRAD ENROLLMENT ARE TRANSFER STUDENTS



  
**25.4%**  
 PERCENT OF TOTAL NEW UNDERGRAD ENROLLMENT entered through DirectConnect to UCF

## STATE OF TRANSFERS AT UCF

### Degrees Conferred



Since 2006, **DirectConnect to UCF** has produced more than **69,508** bachelor's degrees earned.

**DIRECT  
 CONNECT  
 TO UCF**®

As of 4/5/23 50.4% of all UCF undergraduate degrees were awarded to transfer students.



## INCLUSIVE EXCELLENCE

DirectConnect to UCF transfer students strongly represent underserved populations.

Undergraduate Enrollment Fall 2021	DirectConnect	FTIC
<b>Total Minority</b>	<b>54.7%</b> (8,675 of 15,562)	<b>49.6%</b> (14,811 of 29,858)
<b>Hispanic/Latinx</b>	<b>34.2%</b> (5,325 of 15,562)	<b>27.5%</b> (8,204 of 29,858)
<b>African American</b>	<b>11.8%</b> (1,843 of 15,562)	<b>8.5%</b> (2,551 of 29,858)
<b>Pell Eligible (first year)</b>	<b>50.3%</b> (7,829 of 15,562)	<b>28.2%</b> (8,407 of 29,858)
<b>First Generation</b>	<b>26.6%</b> (4,133 of 15,562)	<b>16.9%</b> (5,062 of 29,858)

## DIRECTCONNECT TO UCF® SHARED GOVERNANCE

### Presidents from UCF and the Six State College Partners

#### UCF Connect

- The UCF unit that has oversight of DirectConnect for the University
- Coordinates the logistics for the operations of DirectConnect
- Hires Success Coaches, and oversees the UCF staff assigned to and embedded with the state college advising units
- Facilitates the communication plans, centralized data collection/reporting, and marketing for DirectConnect

#### Consortium Academic Coordinating Committee (CACC)

- The chief academic officers from each state college and two UCF administrators appointed by the president and/or provost
- Reviews the regional academic program needs and plans, with a particular focus on additional baccalaureate degree offerings, in order to reduce inefficient duplication of programs among and between the consortium colleges and the university
- Guide and oversee Curriculum Alignment efforts

#### DirectConnect to UCF Steering Committee

- Chief student and academic affairs officers of all partner institutions comprise the steering committee to meet twice a year and set priorities and high-level strategies for continued, successful operations for the consortium
- Senior level administrators, deans, chairs, enrollment services representatives, student services representatives, and academic advisors from respective institutions meet to discuss program updates, enrollment and graduation data, academic advisement initiatives, and student services programs
- Guides and oversees the five working groups: Advising Alignment, Curriculum Alignment, Data Sharing, Enrollment Services, Resource Development, and Workforce Development

#### Daily Operations of DirectConnect to UCF and the Student Experience



- Overseen by the institutions themselves with joint-use space staffed by both state college advisors and UCF Success Coaches
- Students receive advising; student services; pre-transfer support; transition, admission, financial aid, and enrollment assistance to UCF; and ongoing success coaching
- Partner together for various student success programs, to include classroom visits, tabling events, outreach initiatives, workshops, and the SEE UCF and STEP into UCF programs, which offer UCF campus tours and admission support to DirectConnect students



## COLLEGE ACCESS SUMMIT

Administrators, faculty, advisors, coaches, and staff from partner institutions convene annually to develop new and improved opportunities to prepare major- and transfer-ready students for transition to UCF.

### 2022-2023 TEAMS Project

*(Transfer Excellence, Achievement, Mindset & Success)*

**Team 1: Financial Literacy, Planning and Micro Grants**

**Team 2: Data and Metrics to Inform Transfer Success Strategies**

**Team 3: Major Readiness At or Before 30-Credit Hours**

**Team 4: Pre-requisite Completion for Successful Transition**



## THE STUDENT EXPERIENCE

**Commitment** to transfer student readiness and success

**Intentional and defined touchpoints** grounded in student development competencies, academic and career planning, and academic and social integration

### Partnership Driven

- 2013: Committed to enhancing the student experience
- 2014: Conducted multiple student focus groups
- 2015: Piloted the "Pathway" in Webcourses
- 2015: International DirectConnect launched
- 2016: Sent partnership team to Institute for Project Based Learning
- 2016: Earned QEP award for "Enhanced High-Tech DC Pathway"
- 2017: Launched Success Coaching in Connect Centers
- 2017: Began development on transfer ready mobile app
- 2018: DirectConnect awarded Institutional Excellence for Students in Transition by National Resource Center for Study of Transfer Students
- 2018: Hosted 2-Day Innovation Workshop for Transfer Student Success
- 2021: UCF Success Pathways Launched
- 2021: Curriculum Alignment awarded Institutional Excellence for Students in Transition by National Resource Center for Study of Transfer Students





## **DIRECTCONNECT STEERING COMMITTEE TASK FORCE GOALS**

1. Identify new and expanded, data-driven solutions for transfer student success through the DirectConnect to UCF student experience.
2. Expand the pipeline of major-ready DC students so they can be junior-ready upon transfer to UCF.
3. Expand the pool of transfer-ready DC students so they can have a smoother transition to UCF.

## **DEFINING MAJOR READINESS**

**Major Ready** students have identified and selected an educational pathway that aligns with their personal interests, career goals, and aptitude and is following their educational plans.

**Major Ready** students know the academic and program admission requirements for their intended major and have completed the common program pre-requisites for that major.

Upon transfer, **Major Ready** students are prepared to begin courses in the major at the junior level, along with native FTIC students.





## DEFINING TRANSFER READINESS

**Transfer Ready** students have completed all components of major readiness, to include knowledge of requirements regarding math pathways, foreign language, certifications, and testing requirements.

**Transfer Ready** students utilize advisors, coaches, and student success team members to assist them with their pre-transfer and transfer-related issues and requirements, including financial aid, FAFSA, course sequencing, modalities, and course taking behaviors.

**Transfer Ready** students have identified internships, study abroad, research, and other high impact practices that enhance both their major readiness and transfer success.

**Transfer Ready** students have identified specific resources and tools to support their ongoing educational success.

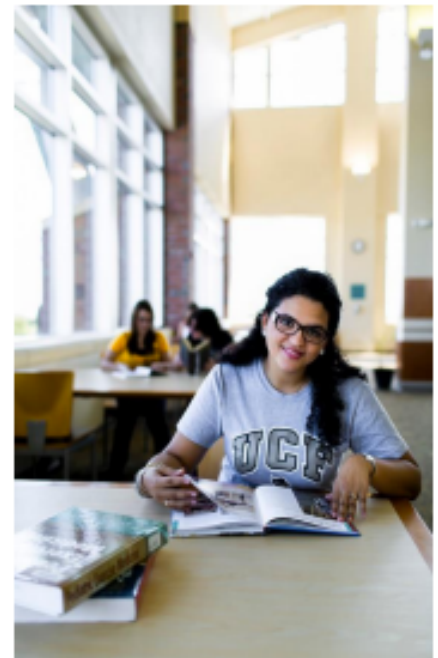
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## RECOMMENDATIONS

The **DirectConnect Steering Committee** is considering recommendations from the **Task Force** that may focus on revisions of consortium agreements and refining partnership efforts to be strategically focused on transfer-and major-readiness issues that meet current and visionary needs.

**Additional recommendations include:**

- Enhance Curriculum Alignment efforts to identify major readiness at the program level
- Conjoin Curriculum Alignment initiatives with major readiness efforts of DirectConnect

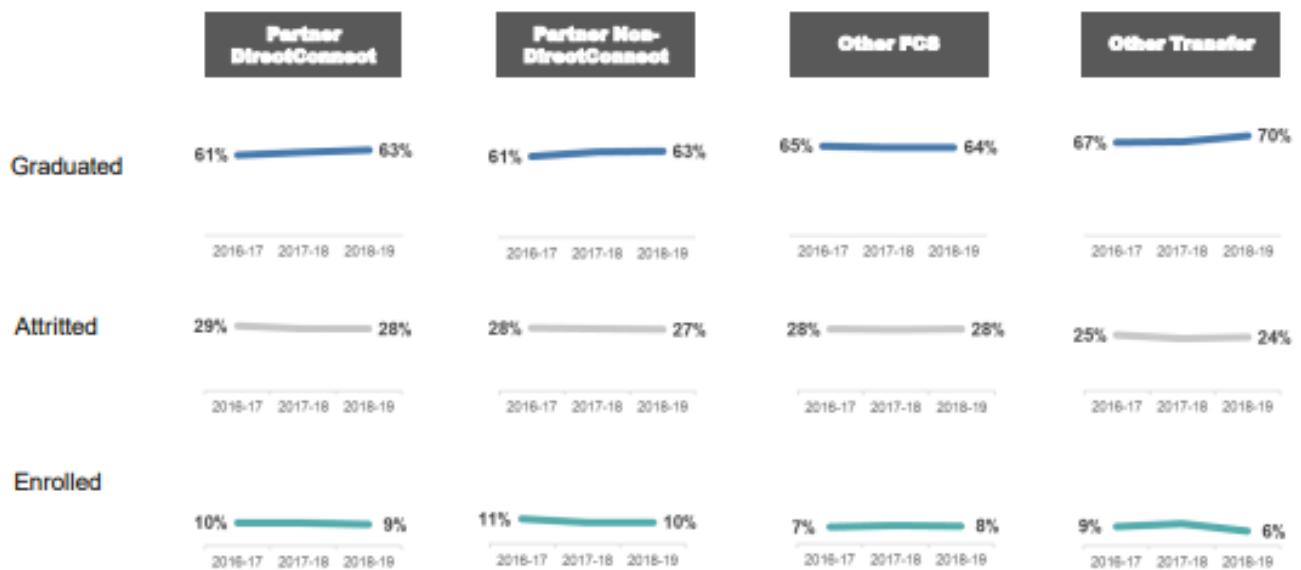


# DirectConnect to UCF and FCS AA Transfer Performance Analysis

Analytics and Integrated Planning

## TRANSFER GRADUATION, ATTRITION AND ENROLLMENT RATES

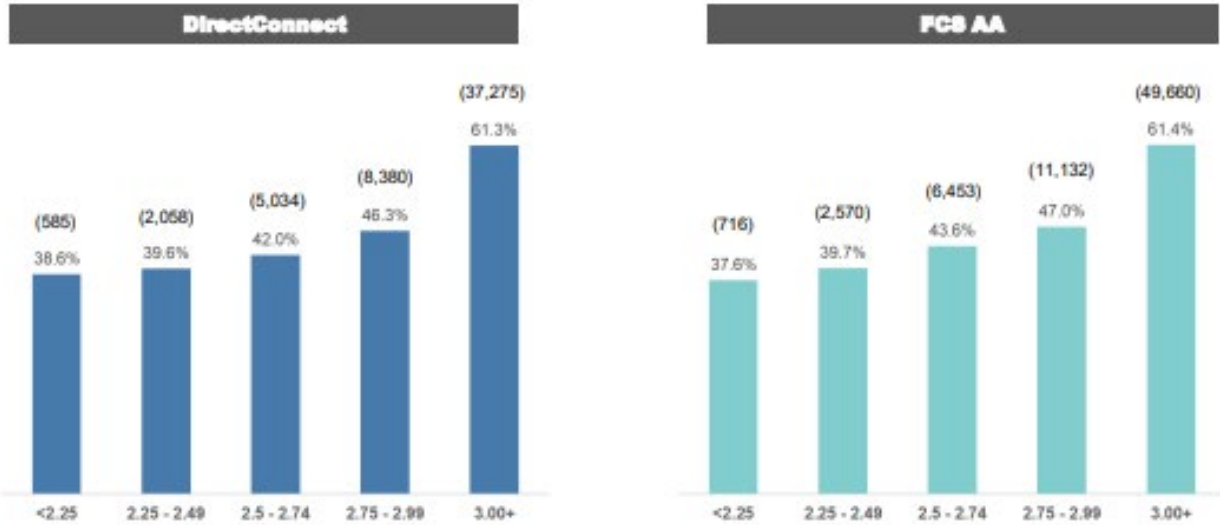
Progress of transfers 4 years after reaching junior status



Partners include: College of Central Florida, Daytona State College, Eastern Florida State College, Lake-Sumter State College, Seminole State College, Valencia College

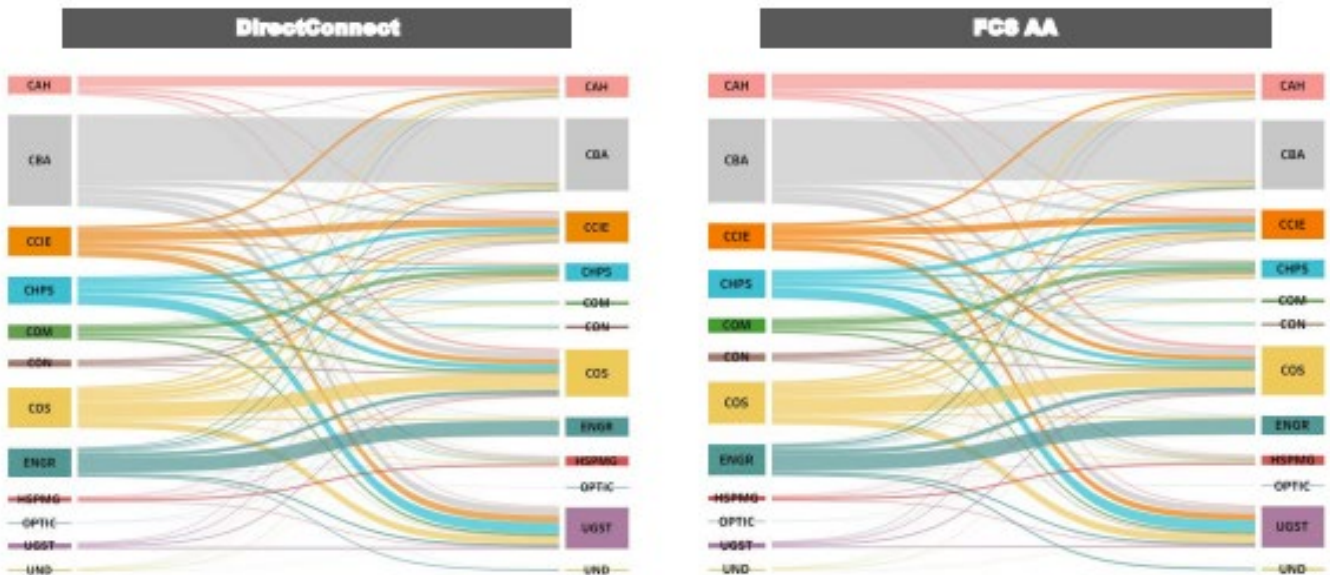
### 3-YEAR GRADUATION RATES BY TRANSFER COLLEGE GPA

Cohorts 2017-18 to 2019-20 3 years after reaching junior status



Institutional Knowledge Management

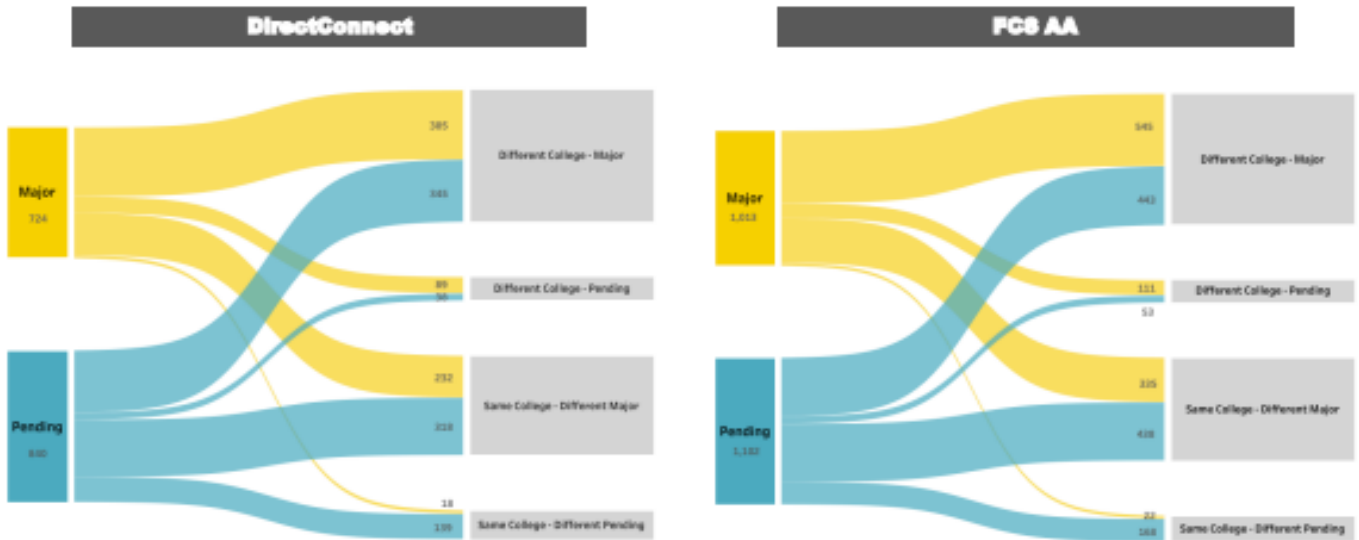
### TRANSFERS WHOSE LAST MAJOR CHANGE WAS IN YEAR 3 BY COLLEGE



Note: 2014-15 to 2018-19 cohorts combined; major change is identified by change of CIP code

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# TRANSFERS WHOSE LAST MAJOR CHANGE WAS IN YEAR 3

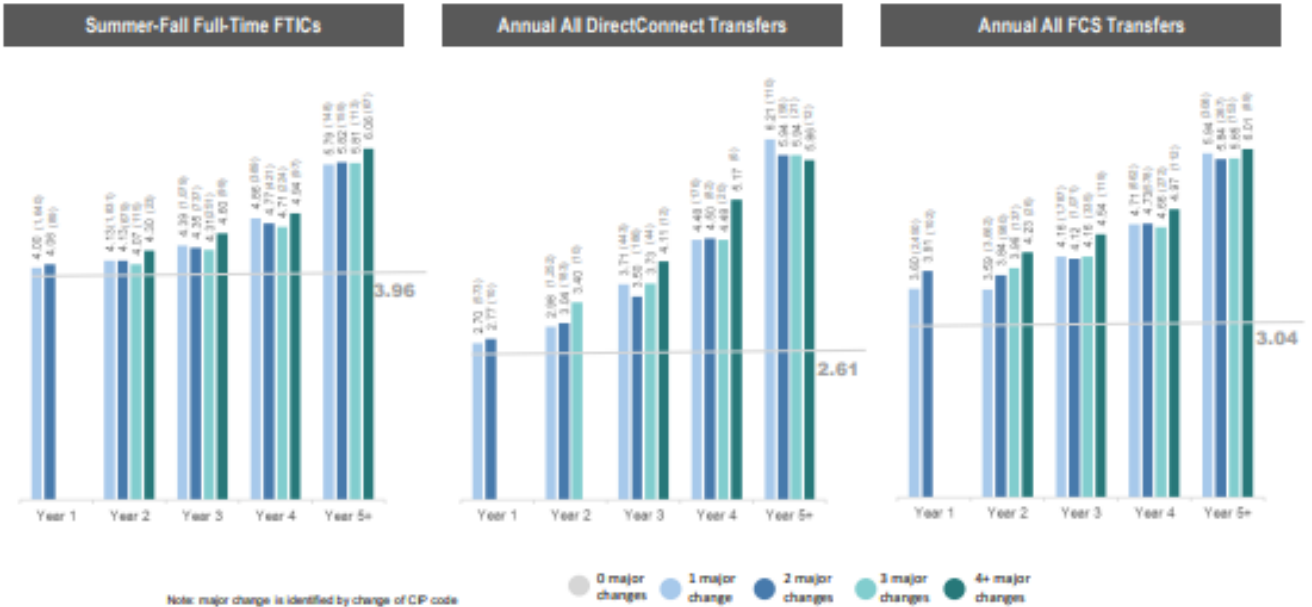


Note: 2014-15 to 2018-19 cohorts combined; major change is identified by change of CP code

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# YEARS TO DEGREE BY YEAR ENROLLED AT TIME OF LAST MAJOR CHANGE

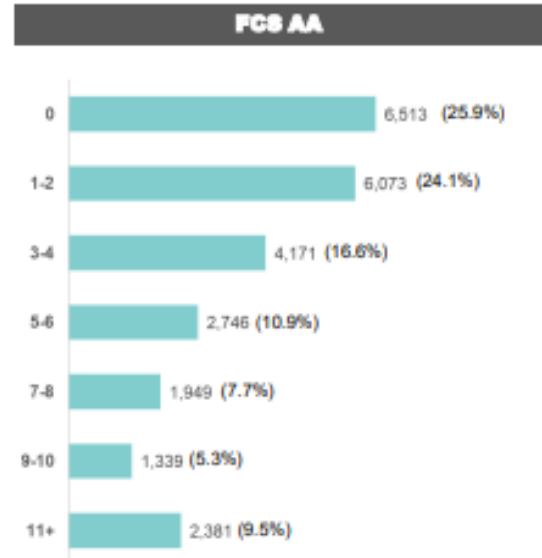
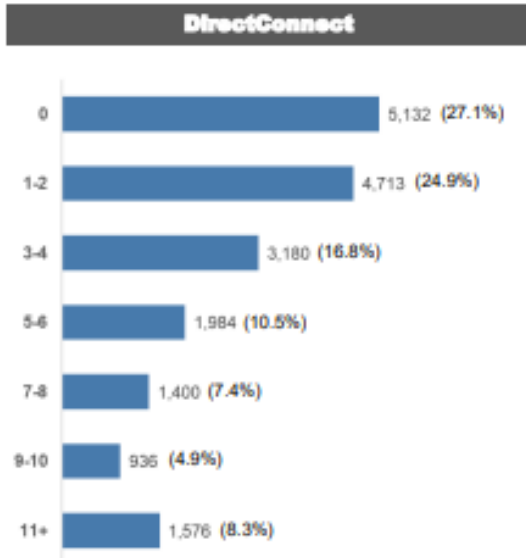
Cohorts 2012-13 through 2016-17 combined





## LOWER LEVEL COURSES TAKEN AT UCF BY TRANSFER COHORTS

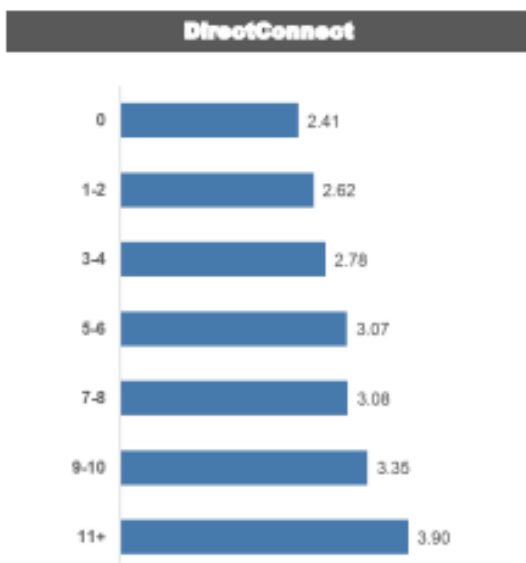
Number of students taking lower level courses (2012-13 through 2016-17 cohorts)



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## LOWER LEVEL COURSES TAKEN AT UCF BY TRANSFER COHORTS

Years to degree by number of courses taken (2012-13 through 2016-17 cohorts)



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# 2021-22 FCS AA TRANSFER ENROLLMENT IN LOWER LEVEL COURSES BY STUDENT'S COLLEGE

	CAH	CBA	CCF	CHPS	COM	CON	COS	ENSR	HSPMG	OPTC	WEST	UMD	Grand Total
<b>2021-2022</b>	<b>4,022</b>	<b>2,125</b>	<b>2,941</b>	<b>5,264</b>	<b>1,799</b>	<b>809</b>	<b>20,179</b>	<b>5,214</b>	<b>1,980</b>	<b>24</b>	<b>686</b>	<b>182</b>	<b>13,870</b>
Chemistry, General	13	24	26	1,490	740	47	1,450	151	5	5	85	30	4,236
Physics, General	47	30	31	1,330	446	3	852	1,494	10	5	25	18	4,213
Mathematics, General	36	74	40	151	217	5	934	1,348	10	8	32	18	2,805
Computer and Information Sciences, General	294	480	129	13	4	6	241	1,004	96	1	27	9	2,164
Biology/Biological Sciences, General	4	4	25	566	264	60	648	338	2		84	30	1,949
Healthcare Administration/Management, General	16	35	25	1			58	4					1,241
Spanish Language and Literature	482	11	68	32	5	3	1,222	14	6		43	1	1,769
Cinematography and Film/Video Production	82	17	25	5	8	7	1,275	22	17		20		1,885
Accounting	20	890	120	8	4	5	41	23	3		2	4	1,086
Intermedia/Multimedia	455	11	1	1			555	7			9	4	1,043
Statistics, General	13	28	34	149	146	13	418	230	8		11	1	1,081
Anthropology	80	20	29	17	7	4	292	23	12	1	24	1	990
Business/Managerial Economics	19	589	89	22	3	3	46	91	71		27	2	954
Psychology, General	24	11	49	182	14	28	518	69	4		14	1	982
Fine/Studio Arts, General	688	7	52	6	2	2	306		1		5		870
Education, General	39	4,798	1				33	1			26	8	897
Music Performance, General	429	15	84	29	3	6	98	21	42		25	3	725
Health Services/Allied Health/Health Sciences, General	3	1	9	568	8	6	18	2	2		9	1	712
Physical Education Teaching and Coaching	50	35	89	244	10	11	118	50	2	2	85	1	639
Art History, Criticism and Conservation	343	6	24	3	3	2	131	6	3		9	2	532
Drama and Dramatics/Theatre Arts, General	329	11	20	8	1	8	64	8	32	1	8		680
French Language and Literature	147	6	21	11	1	3	251	5	3	1	5		434
History, General	153	8	112	7	8	9	58	14	22		9		382
Technology	16	7	81	28	9	8	137	12			46	2	348
Mass Communication/Media Studies	25	12	17	20		6	171	11	19		22		363
Political Science and Government, General	7	1	45	25		2	184	5			1	4	234
Italian Language and Literature	89	3	8	4	1		97	2			7	1	212
Biomedical Sciences, General	3	1	1	104	50	32	1				1		267
Philosophy	33	6	47	30	2	3	94	14	4		9	1	205
English Language and Literature, General	111	1	71	1			4		4		2		184
Japanese Language and Literature	62	8	9	1	1	1	93	9	1		2		180
Elementary Education and Teaching	2		136										139
Humanities/Women's Studies	49	6	14	5	1	6	27	7	13		4	1	123
Counselor Education/School Counseling and Guidance Services	1	3	17	6	0	1	71	3			28	2	125
Finance, General	4	85	2	5	1		18	14			8		136
Geography	3	1	34				28	42	3		7		120

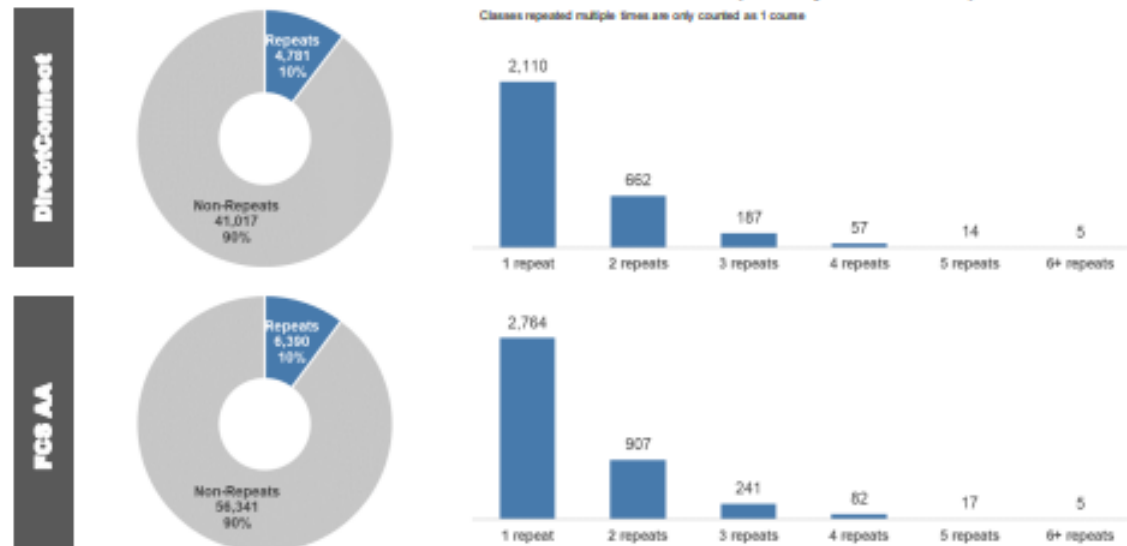
Note: Limited to course disciplines with 100+ total enrollment

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## LOWER LEVEL COURSE ENROLLMENT REPEATS

### Number of distinct courses repeated by transfers who repeat at least 1 lower level course

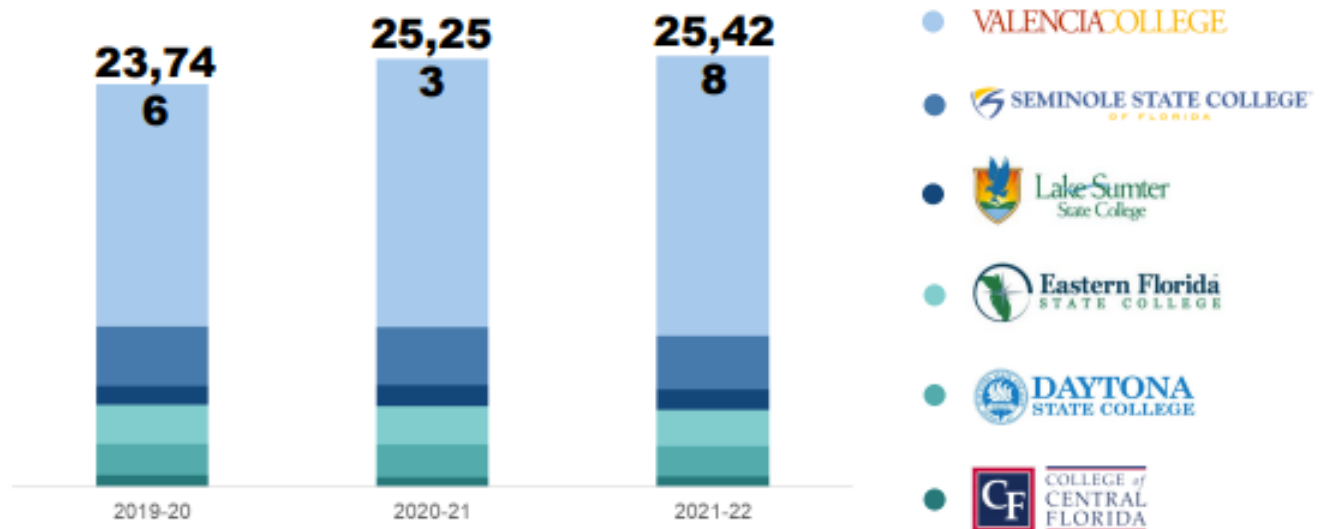
Classes repeated multiple times are only counted as 1 course



Note: 2019-20 to 2021-22 cohorts combined; includes UCF courses only; repeats include classes taken after withdrawal

Institutional Knowledge Management

## LOWER LEVEL COURSES TAKEN BY DIRECTCONNECT STUDENTS



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### DATA SUMMARY

- 3-Year Grad Rates by Transfer College GPA
  - 50% of DC cohort below 3.0 GPA have much lower grad rates
- DC Years to degree by year enrolled at time of last major change (2.61) is better than all FCS transfers (3.04)
- Lower level courses taken at UCF by DC and FCS AA are comparable for both populations
- Lower Level Course Repeats
  - Over 2K distinct repeat courses by DC who repeat at least one lower level course
- Lower Level Courses taken by DC students continues to increase

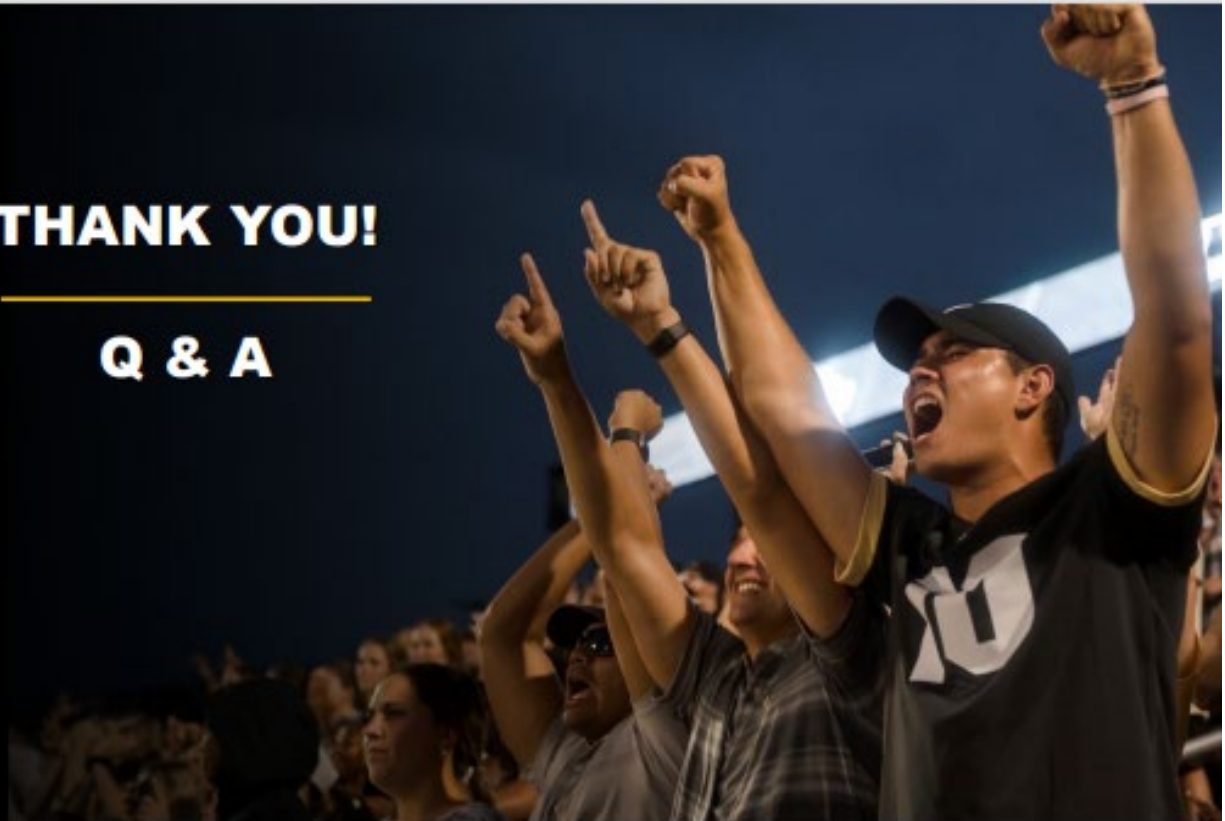
# Actionable Data to Advance Transfer Student Success

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**THANK YOU!**

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**Q & A**



# Announcements



- REU-ACM at UCF Summer 2023 (in person) May 22 through July 28, 2023
  - <https://sciences.ucf.edu/math/reu-in-applied-computational-mathematics/>
  - Contact Katuscia Texeira [Katuscia.Teixeira@ucf.edu](mailto:Katuscia.Teixeira@ucf.edu).
  - Applications are due April 21, 2023.



- Fall CA Meetings posted in the CA Website.
- Electronic certificates of participation will be mailed this summer.
- Conference Feedback





Tick Tock, Tick Tock, Are You Reaching the Stimulus Saturated Millennials?

Tick Tock, Tick Tock  
Are You Reaching Stimulus Saturated Millennials'?



By: Sue Wheeler and Connie Hudspeth



Engage them in the learning process



Understand Their Needs  
 Ideas to Engage Digitally and Hands-on



24-39 yr









Livestorm  
Video conferencing, polls, live chats



# Snapguides Guides/tutorial



# Fandom – Create wiki pages





# Webinars and Podcasts



# Kahoot!



Free game-based learning platform



## Mindmeister

Mind mapping, word choice, brainstorming project plans



Ask Multiple  
Choice questions



Try innovative  
visualizations



Add images as  
options



See trends with  
segmentation



## Mentimeter

Polls, Quizzes & Word Clouds



“They would rather construct than be instructed”

(Dr. Jillian Gilbert)

IDEAS FOR  
ACTIVE AND APPLIED LEARNING



# Mask Activity



# Toga Party





Ball Catch Activity



# Beachball Activity



# Speed Questions



# Your ideas



Involve  
Engage  
Problem Solve  
Apply  
Think Critically

Make it meaningful



Make a connection

## Enhancing Student Success in Engineering Curriculum through Active e-Learning and High Impact Teaching Practices (ESSEnCe)

PI: H. J. Cho, Co-PIs: M. Taub, M. Nader, R. Zaurin, S. Pal,

SP: H. Oonge, C. Muñiz, Z. Chen, M. Dagley, S. Putnam

University of Central Florida

Orlando, Florida, USA



1

## NSF Improving Undergraduate STEM Education: Hispanic-Serving Institutions (HSI Program)

- Supports projects that improve undergraduate STEM education and increase the rates of recruitment, retention and graduation of undergraduate STEM students at Hispanic-serving institutions.
- Three tracks - Track 1: Planning or Pilot Projects (PPP), Track 2: Implementation and Evaluation Projects (IEP), and Track 3: Institutional Transformation Projects (ITP)
- **Track 2: The Implementation and Evaluation Projects (IEP)** track supports the implementation of evidence-based unit-, department-, or multi-department-level activities that will enhance the quality of undergraduate STEM education.



2



## Scope of ESSEnCe program

- This program aims at increasing Hispanic/Latino transfer student success through the implementation and evaluation of innovative teaching/learning practices.
- There is an almost equal distribution of students arriving at the University of Central Florida as first time in college versus transferring from another college.
- However, the retention rates between these groups show a very significant achievement gap, 14-15% (with AA degree) or 20-28% (without AA) of transfer students vs. 73% of FTIC retention in their 3<sup>rd</sup> year.
- Our program will focus on improving transfer students' initial experiences in engineering foundation courses in two large enrollment engineering majors – Mechanical Engineering and Aerospace Engineering.
- 3 yr, \$500k support from NSF

3



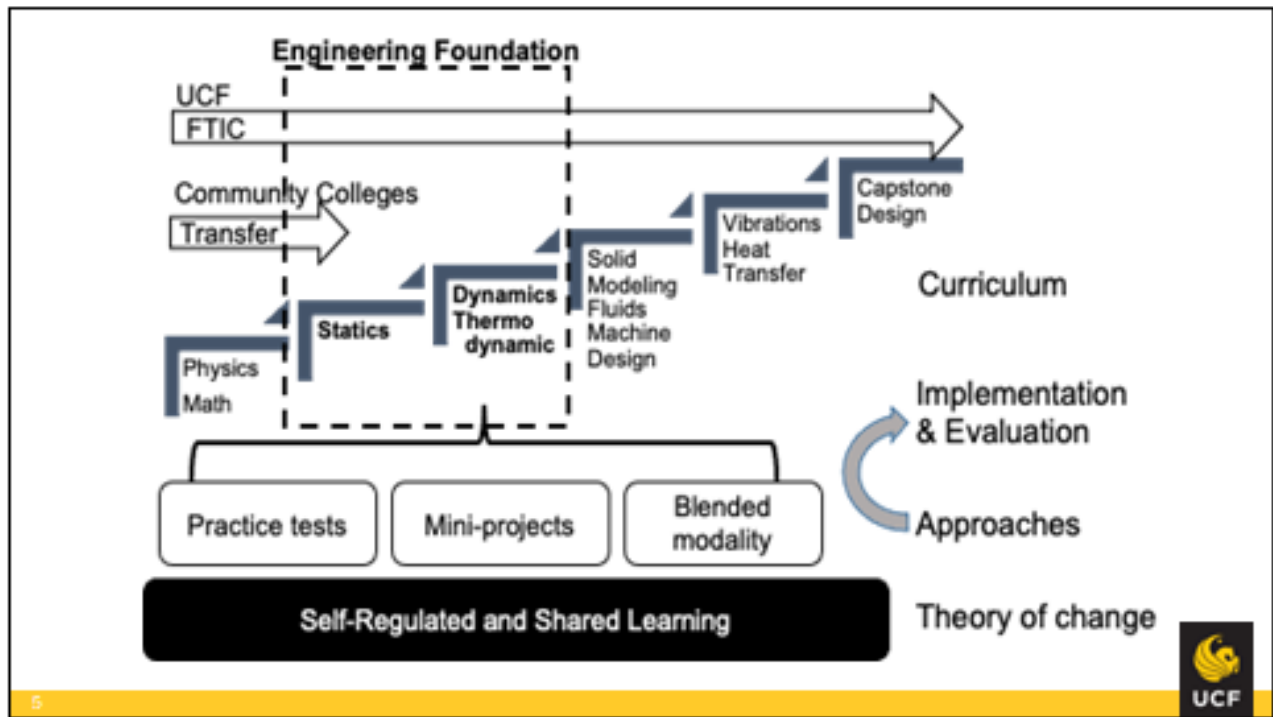
## How..?

- Embed self-regulated and shared learning in foundation courses by incorporating multiple attempt practice tests and mini-projects at the early stage of engineering curricula.
- Construct a blended learning environment in order to facilitate student progress by providing flexibility.
- Guide students to tackle real-world engineering problems and tasks.
- Utilize group participation and social interactions as an asset for their shared learning through team-based project activities.

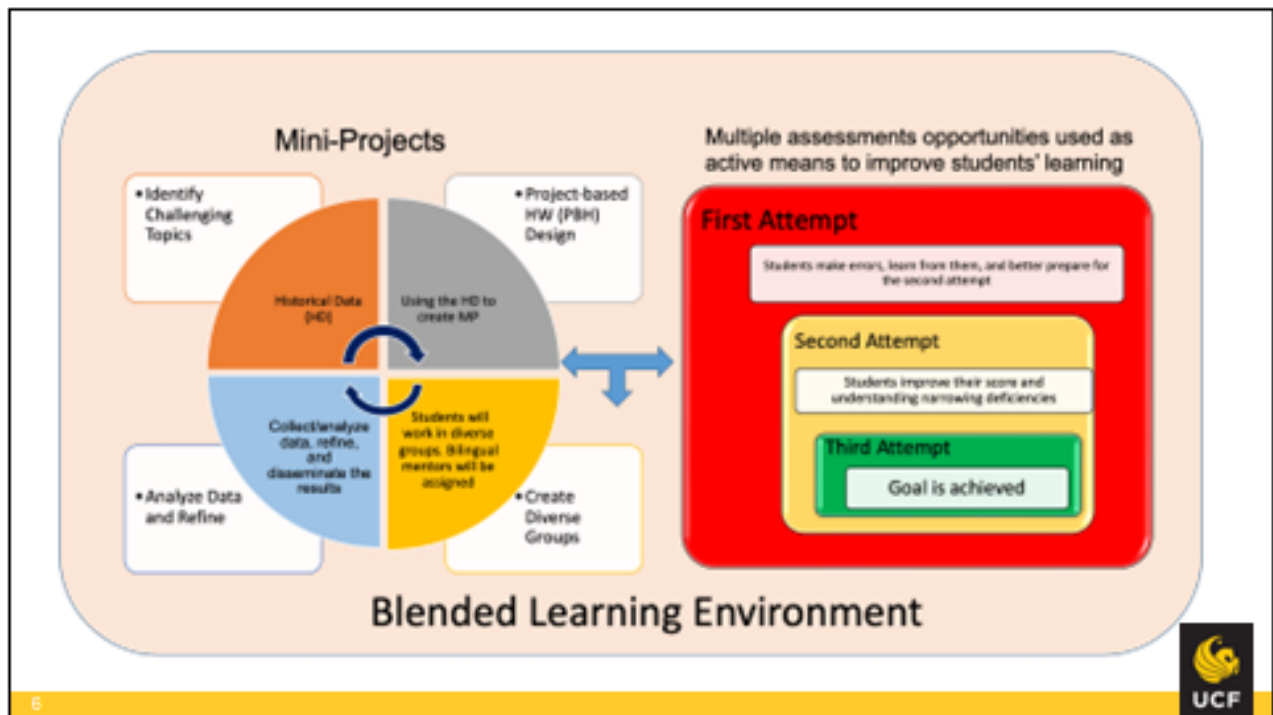
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5



6

# Team

Participant	Role	Project Component
H. J. Cho	PI	Coordinate and supervise overall tasks of the ESSEnCe program
M. Taub	Co-PI	Coordinate the STEM Education Research Plan
M. Nader	Co-PI	Implement changes in Dynamics
R. Zaurin	Co-PI	Implement changes in Statics
S. Pal	Co-PI	Implement changes in Dynamics
H. Oonge	SP	Coordinate Curriculum Alignment
C. Muñiz	SP	Coordinate HIS/DEI elements, inclusive of faculty workshop series
Z. Chen	SP	Implement changes in Physics I course
M. Dagley	SP	Develop evaluation matrix and coordinate peer learning
S. Putnam	SP	Implement changes in Thermodynamics.



# Timeline

Course	Activity	Year and Semester								
		2023			2024			2025		
		S	S	F	S	S	F	S	S	F
Statics	Develop and Implement Multiple Attempt Practice Tests									
	Develop and Implement Mini-Projects									
	Develop Blended Learning Modules									
	Evaluation (Course Level)									
Dynamics	Develop and Implement Multiple Attempt Practice Tests									
	Develop and Implement Mini-Projects									
	Develop Blended Learning Modules									
	Evaluation (Course Level)									
Thermodynamics	Develop and Implement Multiple Attempt Practice Tests									
	Develop and Implement Mini-Projects									
	Develop Blended Learning Modules									
	Evaluation (Course Level)									
Course Committee Meetings										
Alignment Meetings and Workshops										
Evaluation and Report (Program Level)										



# Acknowledgement

This work was supported by the National Science Foundation under NSF IUSE: HSI Award #2225208.



2023 Curriculum Alignment Conference

Daytona State College

**The Advantages and Benefits of Multiple – Attempt  
Testing in Engineering Courses  
(Work In-Progress)**

Presenter: Marino Nader

April 7<sup>th</sup>, 2023

ESSEnCe Project Partners

PI - Hyoung Jin, Co-Pis: M. Taub, M. Nader, R. Zaurin, S. Pal

SP: H. Oonge, C. Muñiz, Z. Chen, M. Dagley, S. Putnam

Work presented here by: M. Nader, R. DeMara, H. Oonge and Adrian Tatullian

## Introduction

- **Why Three Attempts?**
  - Positive effect on different students, including Transfer Students
  - Decreases anxiety, in general
  - Increases confidence and comfort
  - Prepares students better
  - Lays the stronger foundation for upper classes
  - Students work for their grades – avoid curving
  - Supported by CANVAS
- **“Elephant in the Room” with Three Attempts:**
  - Assessment and TESTING
    - One or Three attempts. Does it Matter? How much?



# Course Style – Undergraduate Engineering Dynamics Spring 2021

- 236 Students – Remotely during COVID-19
- 3 Tests 25% of total grade: 90 min, Lockdown Browser, Respondus Monitor AND Proctor Hub, Only one monitor/Screen
- Screen 2~3 feet ahead of student
- Large questions banks

What were the results?

## Study Results

Percentage Success	T1			T2			T3		
	At. 1	At. 2	At. 3	At. 1	At. 2	At. 3	At. 1	At. 2	At. 3
FTIC	26%	42%	60%	24%	52%	63%	26%	45%	48%
TS	14%	15%	34%	23%	35%	55%	11%	22%	40%

Table 1: Students' success in each attempt for the three tests.

Percentage Success	Best of T1	Best of T2	Best of T3	Average Success
FTIC	55%	57%	42%	51%
TS	42%	70%	42%	51%

Table 2: Overall students' success – the best attempt for each test.

Percentage Improvement	T1		T2		T3	
	TS	FTIC	TS	FTIC	TS	FTIC
	191%	110%	208%	138%	268%	61%

## Study Results

Percentage Success	T1			T2			T3		
	At. 1	At. 2	At. 3	At. 1	At. 2	At. 3	At. 1	At. 2	At. 3
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TS	42%	70%	42%	51%

Table 2: Overall students' success – the best attempt for each test.

Participation Rate	T1			T2			T3		
	At. 1	At. 2	At. 3	At. 1	At. 2	At. 3	At. 1	At. 2	At. 3
FTIC	100%	88%	67%	100%	87%	64%	100%	77%	40%
TS	100%	88%	78%	100%	88%	71%	100%	79%	50%

## Statistical Data

Attempt	Attempt Mean	Std. Deviation	Number of Students
1	10.83	5	142
2	13.60	4.78	142
3	15.56	5.32	142

- Some students are satisfied by one or two attempts per test
- Data analyzed for all who go through all 3 attempts for each test.
- According to Mauchly's Test of Sphericity (same difficulty level), the variances of differences are homogenous  $W = X^2(2) = 1.586, p = 0.452$ .

## Students' Survey

Statement	Strongly Agreed	Agreed
Helped me take the test with <b>less stress</b> , knowing I have other chances.	85%	13%
Allowed me to go back to learn the material better before my next attempt, given a week-time for all 3 attempts.	82%	15%
It gave me the opportunity to know where I stand, before my next attempt.	80%	15%
It gave me the chance to <b>recognize how much more I should learn</b> before my next attempt.	80%	16%
It gave me the opportunity to <b>focus on my weakness</b> in order to do better.	78%	15%
In a way, I prefer the 3-test attempts for I rather repeat the test than the course.	91%	8%
It gave me the chance to repeat the test instead of repeating the entire course.	85%	12%
The fact that I could <b>go back and ask about a problem</b> I saw in the test to learn it before my next attempt <b>advanced my knowledge</b> of the subject, despite the fact that it would or would not show up in my next attempt.	78%	18%
It assisted me to <b>grow in knowledge</b> .	76%	19%
It allowed me to do better in the course.	78%	16%
It created a <b>learning-based environment</b> .	75%	20%

## Students' Survey CONT'D

Statement	Strongly Agreed	Agreed
I learned a great deal using this method, irrespective of my grade.	73%	21%
In comparison to the one attempt, the 3-test attempts is <b>not a hit or a miss</b> .	61%	24%
In comparison to the one attempt, the 3-test attempts <b>assess the student's knowledge correctly</b> , given the few chances during a week.	69%	25%
It is useless because no matter how much I tried, I still got the same grade.	1%	3%
It is useless because it opened up for cheating without learning.	0%	2%
I prefer the 3-test attempts it to help students learn the material better.	80%	18%
All-in-all the 3-test attempts is a <b>more fun</b> learning style.	68%	22%
All-in-all the 3-test attempts is a <b>more enjoyable</b> learning style.	74%	21%
All-in-all the 3-test attempts is my worst experience, since I did not learn much more.	0.5%	1%
All-in-all the 3-test attempts is my worst experience, since I did not improve my grade much.	0.5%	3%
In the future, I hope to see more courses offered with 3-test attempts during a full week.	81%	12%

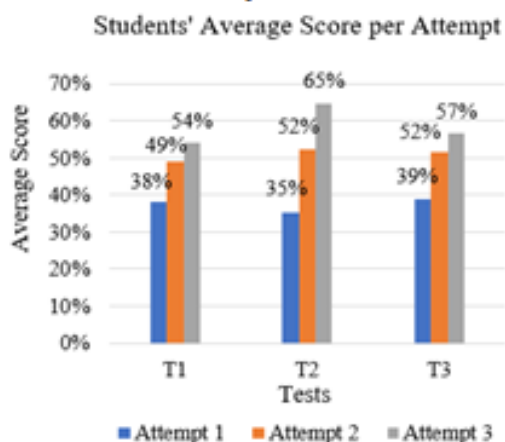
# Dynamics Vs Thermodynamics – EPC summer 2022

- 155 Students (Dynamics) and 282 Students (Thermodynamics)
- 3 tests make up 25% each of total grade
- 75 min limit in the EPC, Respondus Lockdown Browser
- 1 - 2 days dedicated to each attempt:
  - Monday/Tuesday -> First attempt
  - Wednesday/Thursday -> Second attempt
  - Friday -> Third attempt

What were the results?

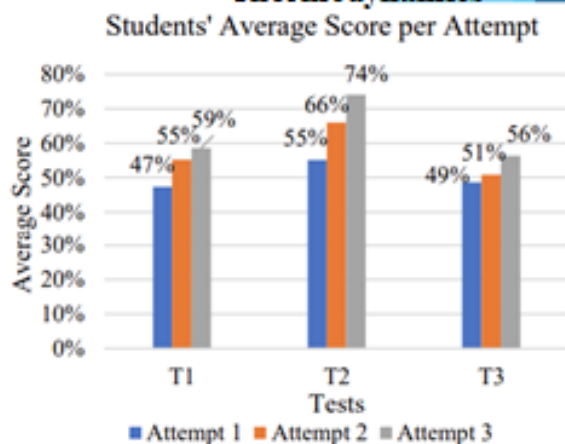
## Comparison: Dynamics VS Thermodynamics

### Dynamics



Test	Attempt 1	Attempt 2	Attempt 3	Percentage Improvement
T1	38%	49%	54%	41%
T2	35%	52%	65%	84%
T3	39%	52%	57%	45%
Avg.	37%	51%	58%	56%

### Thermodynamics



Test	Attempt 1	Attempt 2	Attempt 3	Percentage Improvement
T1	47%	55%	59%	24%
T2	55%	66%	74%	34%
T3	49%	51%	56%	16%
Avg.	50%	57%	63%	25%



## Students' Survey

Survey Item	Dynamics				Thermodynamics			
	$\bar{m}_{\text{Survey}}$	$\bar{m}_{\text{Base}}$	$\Delta m$	p	$\bar{m}_{\text{Survey}}$	$\bar{m}_{\text{Base}}$	$\Delta m$	p
1. Having 3 attempts helped me to <b>recognize how much more I should learn</b> before my next attempt.	5.76	5.47	-0.29	.029	5.79	5.55	-0.24	.0006
2. Allowing 3 test attempts can <b>increase the retention</b> of what I learned for the test.	5.78	5.42	-0.36	.007	5.73	5.54	-0.19	.0116
3. Having <b>just a second attempt could be sufficient</b> whereas little was learned via Attempt 3.	4.30	3.77	-0.53	.004	4.23	3.69	-0.54	.0001
4. In comparison to being allowed only a single attempt, provision of 3-test attempts <b>assesses the student's knowledge more accurately</b> .	5.49	5.00	-0.49	.007	5.57	5.27	-0.30	.0015
5. All-in-all the 3-test attempts is a <b>more fun</b> learning style	5.45	5.02	-0.43	.015	5.56	5.24	-0.32	.0006
6. In the future, <b>I hope to see more courses offered with 3-test attempts</b> during a full week.	5.68	5.38	-0.30	.044	5.66	5.52	-0.14	.0461
7. Being allowed 3 test attempts <b>reduced my stress levels</b> .	5.74	5.27	-0.47	.011	5.66	5.37	-0.29	.0034
8. It gave me the opportunity to <b>focus on my weakness</b> in order to do better.	5.81	5.51	-0.30	.016	5.67	5.37	-0.30	.0019

- 2 = Strongly disagree, 6 = Strongly agree
- Positive and consistent results across both courses

## Conclusion

- Effective learning methodology supported by Repetition
- Large improvement in test scores – Triple for TS and double for FTIC
- Significant overall score improvement in two different Eng. Courses
- Success rate of TS matches FTIC
- Overall much lower test anxiety or stress
- Better learning ambiance
- Enhances students' learning and knowledge
- Validation of the above requires more time and effort

# Thank you – Questions

## Acknowledgement

This work was in part supported by the National Science Foundation under NSF IUSE: HSI Award #2225208.

## Overview – EPC

### UCF Strategic Plan

“Develop a new standard for teaching faculty design with measurable improvements in effectiveness.”



Impact = Scale x Excellence

### CECS Actions

#### 1) Infrastructure ↑

- Tech Fee Grants
- 5,000 sq ft facilities+offices
- Software, Network, Equip.

#### 2) Personnel ↑

- 35 Faculty participants
- 4 Proctor & >12 Tutor GTAs
- 0.5FTE → 1.0FTE Staff

#### 3) Content ↑

- 6 wk Instructor Train x 3
- 29 Courses Converted
- 8 Degree Programs

### EPC Pedagogy

#### Contemporary Engineering Assessment

- Low-gain activities
- Disconnected remediation
- Week+ turnaround
- Design Problems?
- Partial Credit?
- Handwritten Work?



#### New Standard: EPC



→ Instructional Technology  
+ Remap Human Resources

Evaluation  
120 Seats

- Auto-grading
- Convenience
- Integrity
- Statistics

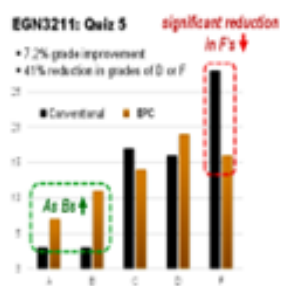
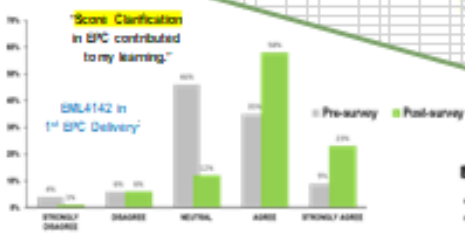
Proficiency  
30 Seats

- Rapid feedback
- Self-review & human in loop
- Raise soft-skills

# Overview – EPC

2018 Utilization: (Spr+Sum+Fall '18) = 7,619 enrollments.

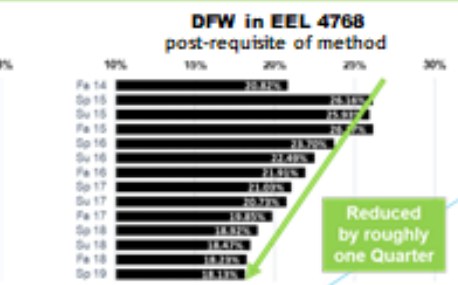
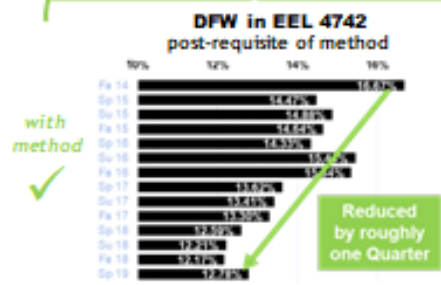
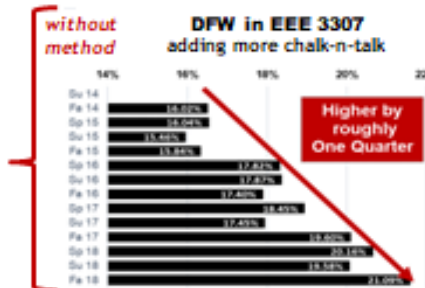
Term	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
ENGL101	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100



# Overview – EPC

## EEL 3801: Computer Organization

- First EPC + Mixed-Mode in CECS + GLASS
- CECS DFW mean steady  $\approx$  12%, although challenging courses with rising DFW  $\approx$  25%
- Without methods, DFW rates increasing in comparable courses in program
- With methods, DFW decreasing, i.e. Post-Requisites of EEL3801 ... which the EEL3801 instructor does not teach



# 2023 Curriculum Alignment Conference

## Creation of Website for Accounting Discipline Transfer Student Resource and Success

Jeff Reinking

Associate Lecturer, Dixon School of Accounting, UCF



## What Issues were we trying to Solve

- 1.) Tool available to assist with identifying and communicate with pre-accounting transfer students.
- 2.) Provide information about what to complete for AA at State College while providing information **that may be** different than advising.
- 3.) Provide Accounting Profession information to State College students
- 4.) Provide information about steps to complete BSBA at UCF.





## Ways the State Colleges Identify and Communicate with students interested in Pre-Accounting

There is no systematic method available for the State College's to allow program managers/directors/chairs to identify their pre-accounting students.

Consequently, it can be difficult to identify and communicate with to pre-accounting students at the State College level.

How do State Colleges identify and communicate with pre-accounting students:

- Academic advisers
- Discussions in class and after class with students
- Students attending joint State College and UCF student organization event each semester.
- Facebook page



## Provide information about what to complete for AA at State College

### **1. What courses should be taken State College while earning the AA Degree**

We have always promoted students to complete their Business Common Program Prerequisites with a grade of C or better before transferring to UCF.

### **2. Students should sign up for the Direct Connect to UCF program**

It is beneficial for students to enroll as early as possible at your state college.



## Provide Accounting Profession information to State College students

- Licensing Opportunities
  - CPA license information and requirements
    - Impacts the amount and type of coursework needed
  - CMA – Certified Management Accountant
  - IIA – Internal Auditing
- Opportunities in the Profession
  - Public Accounting
  - Managerial Accounting
  - Governmental Accounting
  - Non-Profit Accounting



## Provide information about steps for completing BSBA at UCF.

1. Join an Accounting Student Organization
2. Completing the five (5) core business classes to get accepted into your major (accounting).
3. Accounting major courses, sequencing, and prerequisites



## How was the idea of the idea for the website born?

**Initial Curriculum Alignment** – our CA accounting group formed in Fall 2018 and completed our curriculum alignment for our two foundational accounting courses in Fall 2018 and Spring 2019.

**Continued meetings** - We have continued to meet once or twice a year as a group to help each other with best practices and student success.

The idea for this website was born in one of these continued meetings.



## How was the Website Produced?

### Design

- Spring 2021 - In our continued Curriculum Alignment meetings, input from faculty at the State Colleges and UCF was gathered to formulate a blueprint for what could/should be contained in the Website.
- In the UCF College of Business, we produced a working draft of the website.
- The draft was reviewed by the faculty at the State Colleges and UCF.
- Final product delivered in Summer 2022.



## Balanced approach between providing information for success at both the State College and University

From the university perspective, we tend to focus on the issues important to us and we do not focus on what the need of the transfer institution or the transfer. We are trying to shape the product (student) we are receiving – not actually, but conceptually.

As a result, we were very intentional in designing website that was designed as a partnership between the State Colleges and UCF to feel like it was designed by and for both institutions.

This was important to gain buy in and use from all faculty and students.



## How was the Website Implemented?

### Implemented

- **Faculty** - The URL was emailed to the faculty in our CA group with the request of adding it to their syllabi.
- **Advisors** - The URL was emailed to the State College advisors we knew from our CA group. The URL was also provided to UCF advisors for distribution to transfer students.





## Contents of the Course

The content of the website is divided into three areas:

1.) While you are completing your AA at State College

- Courses, Sequencing, Pre-requisites
- Earning Your AA Degree at State College
- Signing up for Direct Connect at UCF

2.) When you transfer to UCF

- Join a Registered Student Organization (RSO)
- Complete the Core business classes

3.) Other areas of interest for Pre-accounting students

- CPA license
- Profession
- Pre-accounting Webcourses (Canvas)



## Review of the Website itself

<https://business.ucf.edu/transfer-student-resources-accounting/#accounting-profession>



## How is it being used?

### Feedback from State College Faculty:

- The only feedback I've received is positive. They like having the resources in one place. Easy and simple to read.
- I have shared the link to the site a few times with other professors, but I would say I probably can do more to promote it in the future. As a result, I am not sure how much visibility the site receives overall from students. I personally still think it is very valuable and hope that it will be shared as much as possible by professors here as we move forward.

Any time a student comes to me expressing interest in pursuing the accounting major, I show them the page. The page is a perfect first step for me to show any student who lets me know that they are interested. The feedback I receive from students is positive – they seem to really like the top chart with the course requirements (the one with “While working on your AA” and “When you direct connect to UCF” at the top). They also like looking at the chart of courses they will need to take for the accounting degree. I suggest to them that they watch the videos, but I am not sure if they do and have not heard any feedback on the videos. Hope that helps a bit.

- I've got to be honest. I keep forgetting about this page! I just had a student come up to me the other day and I just sent them to the UCF direct connect office. But, I think the page may have been a better resource overall.



## Challenges

UCF has systematic approach to curriculum alignment, but there is no systematic approach to communication between UCF and CA regarding faculty and/or advisors.

How often should I be sharing this URL with State College faculty and advisors each year?

How to measure the success and usefulness of the initiative?



## Did we solve the issues we initially identified

- 1.) Tool available to assist with identifying and communicate with pre-accounting transfer students.
- 2.) Provide information about what to complete for AA at State College while providing information **that may be** different than advising.
- 3.) Provide Accounting Profession information to State College students
- 4.) Provide information about how to successfully complete BSBA at UCF.



## Additional Items to Add to Website

- Create an add a QR Code for our Student Accounting Society (SAS) where students can provide their information to be contacted by SAS about the upcoming orientation for new students
- Create better designations for the three areas defined previously





## Measures of Success – need more

- Measure the number of transfer students coming in with all their pre-core business classes completed at their State College.
- Measure the number of Direct Connect students joining UCF Student Accounting Society/BAP.

## Other tasks associated with the Website

- Meet with UCF advising office to see if there are additional ways to utilize this website for our new transfer students.
- Further investigate how to systematically provide it to more State College advisors
- I am still interested in created some sort of transfer student club/cohort.






## Questions and Suggestions



# Course Design to Maximize Learning

Mr. Adam LaMee, UCF Physics

[adamlamee.com](http://adamlamee.com)



## One option for a course design process

- Draft learning goals → cluster goals into units
- Choose a learning cycle model → choose student tasks
- Develop end-of-unit assessments
- Check everything against RTOP & UDL



## Learning Goals

What are the BIG things a student should be able to do by the end of the unit? Try writing 3-6 goals for a single unit of your course.

Instead of “understand,” use an observable verb, like “describe,” “sketch,” or “solve.”

See [Iowa State’s handy page](#) on writing learning goals.



## Learning Cycle

A learning cycle describes a sequence a learner follows from novice to expert in a topic.

Here’s a common framework that’s not backed by much learning research:


- Read the textbook
- Listen to lecture
- Do homework
- Take an exam



## 5E Learning Cycle

There are lots of learning cycle models. I use the BSCS 5E model from [BSCS.org](https://www.bscs.org/).

- Engage: *Why is this worth learning?*
- Explore: *What are the relevant patterns or connections?*
- Explain: *How do I communicate what I've observed?*
- Elaborate: *How can I apply this to a complex scenario?*
- Evaluate: *Am I ready for the exam?*



## 5E Learning Cycle is *student-centered*

- Engage: *Why is this worth learning?*
- Explore: *What are the relevant patterns or connections?*
- Explain: *How do I communicate what I've observed?*

Instructor gives formal description, “here’s what you might have noticed by now ...”

- Elaborate: *How can I apply this to a complex scenario?*
- Evaluate: *Am I ready for the exam?*

Instructor gives formal recap, “here’s what you should’ve gotten from the unit ...”



## Unit Assessments

Instead of “here’s another question I thought of for the exam,”

Write questions or tasks use your learning goals and learning cycle tasks.

Baylor’s [Academy for Teaching & Learning has a nice guide](#) for developing assessments.



## Reformed Teaching Observation Protocol

Use as a [list of 25 things](#) we should strive to do more of.

*How well does this describe your course?*

Great for educators to collaboratively examine teaching practices.

[RTOP site](#) at Buffalo State





## Universal Design for Learning

UDL can “improve and optimize teaching and learning for all people based on scientific insights into how humans learn.”

Use this to reflect on how to better include students in the course.

Read more at [CAST.org](https://cast.org) or view the [big UDL chart](#).



## Further reading

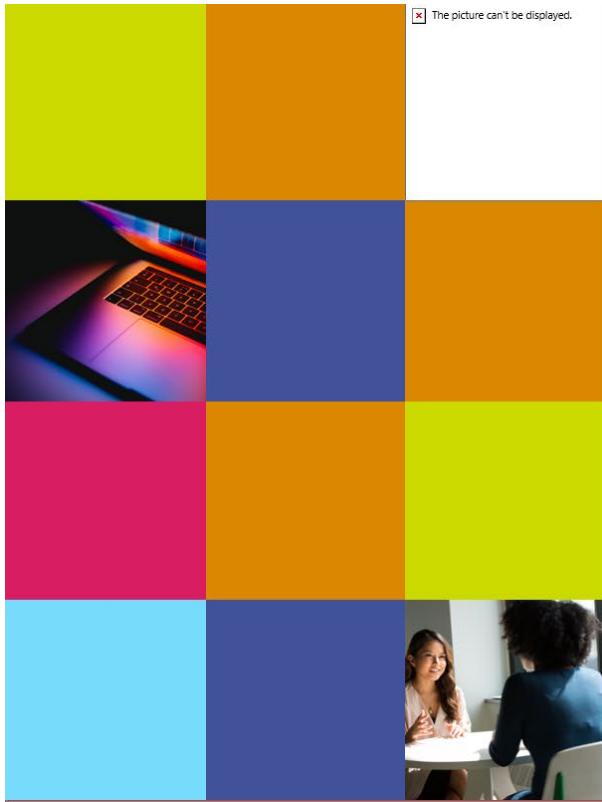
Wiggins, G. & McTighe, J. (2005). *Understanding by design* (2nd edition). ASCD.

and this [nice summary](#) from Vanderbilt’s Center for Teaching

The [full report](#) on BSCS 5E Instructional Model

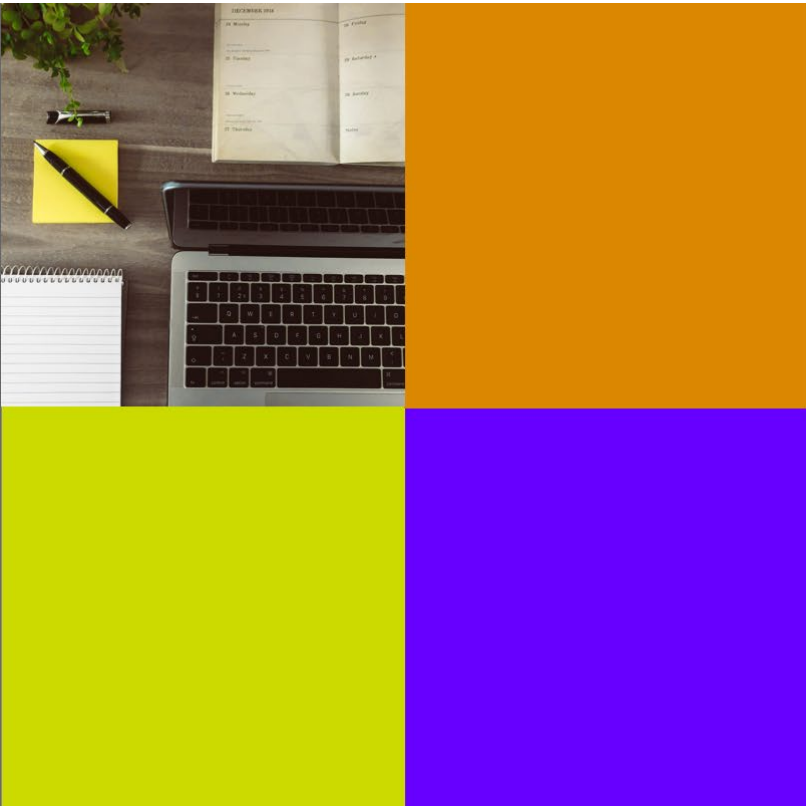
The [research behind Universal Design for Learning](#)

Reddish’s [paper on applying constructivism](#) to physics teaching



# Meeting Post-Pandemic Alignment Challenges with Innovation and Cooperation: The Fundamentals of Speech Repository

Adam J. Parrish  
Shari Hodgson  
University of Central Florida



- ## Agenda
- Discuss Teaching Inspirations
  - Repository Background
  - Repository Tour & Examples
  - Repository Feedback
  - Contribute to the Repository

# Discussion

1

Who have been some of your most significant teaching inspirations?

2

What activities, exercises, or assignments did you learn from them?

3

Share your answers with each other.

04/07/2023

Curriculum Alignment Conference

3




# Our Inspirations

04/07/2023

Curriculum Alignment Conference

4



**FLORIDA**

# Repository Background

04670033 Curriculum Alignment Conference 5

**Repository Tour**

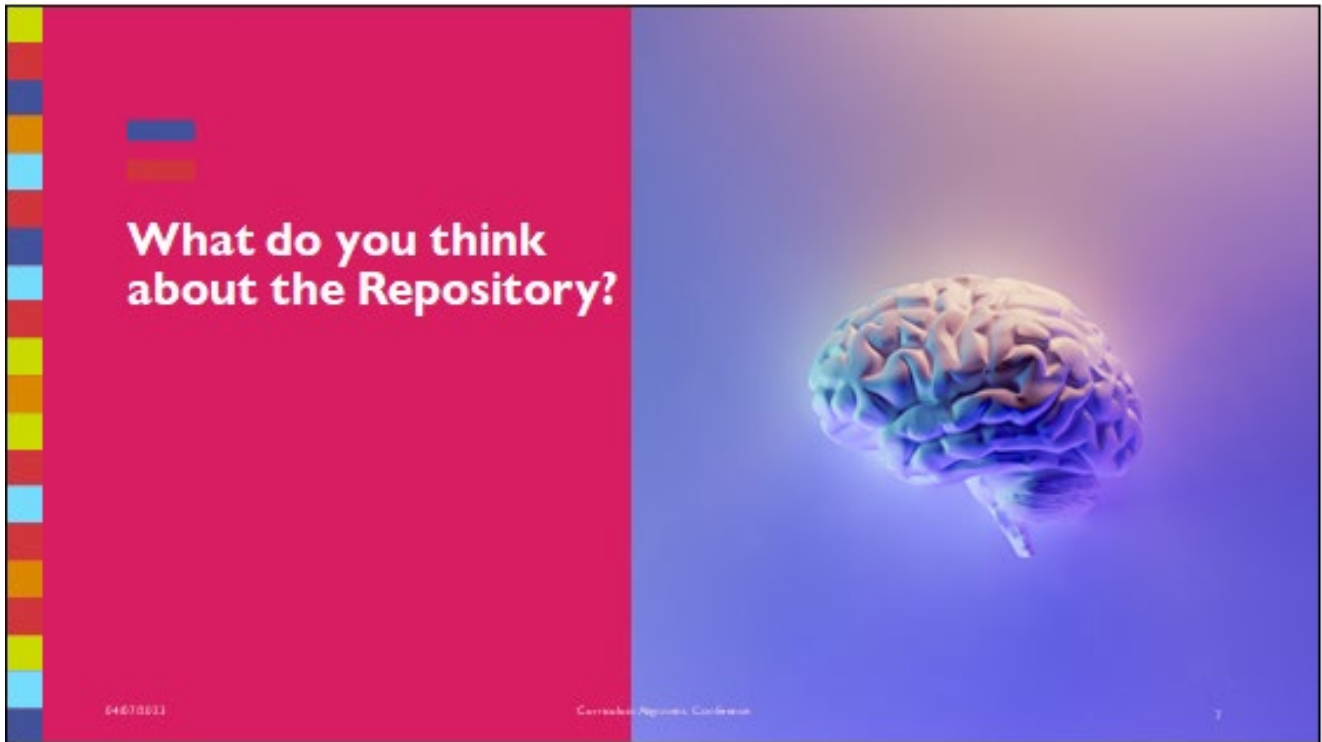


Create a Free-for-Instructors Account

Scan the QR Code

Access the Repository

04670033 6



04610622 Correlated Algebra Conference

**Thank You!**

- [shari.hodgson@ucf.edu](mailto:shari.hodgson@ucf.edu)



A pathway is more than a route to an outcome or a recommended sequence of courses. Do students have expectations about what they will learn within a pathway? By aligning assessments to learning outcomes within pathways we can become more transparent about what students learn along each pathway. In this session a panel will guide participants in discussion of pathway assessments embedded at the course level and how the results lead to strategies for improving learning.

---

UCF Curriculum Alignment Conference  
Track 3: Using Data for Student Success  
Daytona State, Room #  
April 7<sup>th</sup>, 2023 11:30am-12:15pm

VALENCIA COLLEGE

# Course-Level Assessment for Degree Pathways

## **Today we will...**

**Discuss methods for assessing pathway outcomes**

**Develop example strategies for improving learning within pathways**

## Today's Panelists

Nichole Jackson, Director of Learning Assessment

AA Degree Pathways Workteam Co-Chair  
Assessment Coordinating Committee (ACC) Co-Chair

Lynta Thomas, Professor of Chemistry

Faculty Fellow for Data and Assessment

Lynn Sims, Professor of Biology

Faculty Lead for AA Degree Pathways STEM Assessment Leadership Team (ALT)

Kristin Abel, Professor of Live Entertainment Design and Production

Faculty Fellow for Data and Assessment

Faculty Lead for Live Entertainment Design Assessment Leadership Team (ALT)

Assessment Coordinating Committee (ACC) Career and Technical Education (CTE) Co-Chair

Ravi Rajaravivarma, Professor of Electrical and Computer Engineering Technology

College Curriculum Committee Faculty Co-Chair

AA Degree Pathways Workteam Faculty Co-Chair

Assessment Coordinating Committee (ACC) Career and Technical Education (CTE) Faculty Member

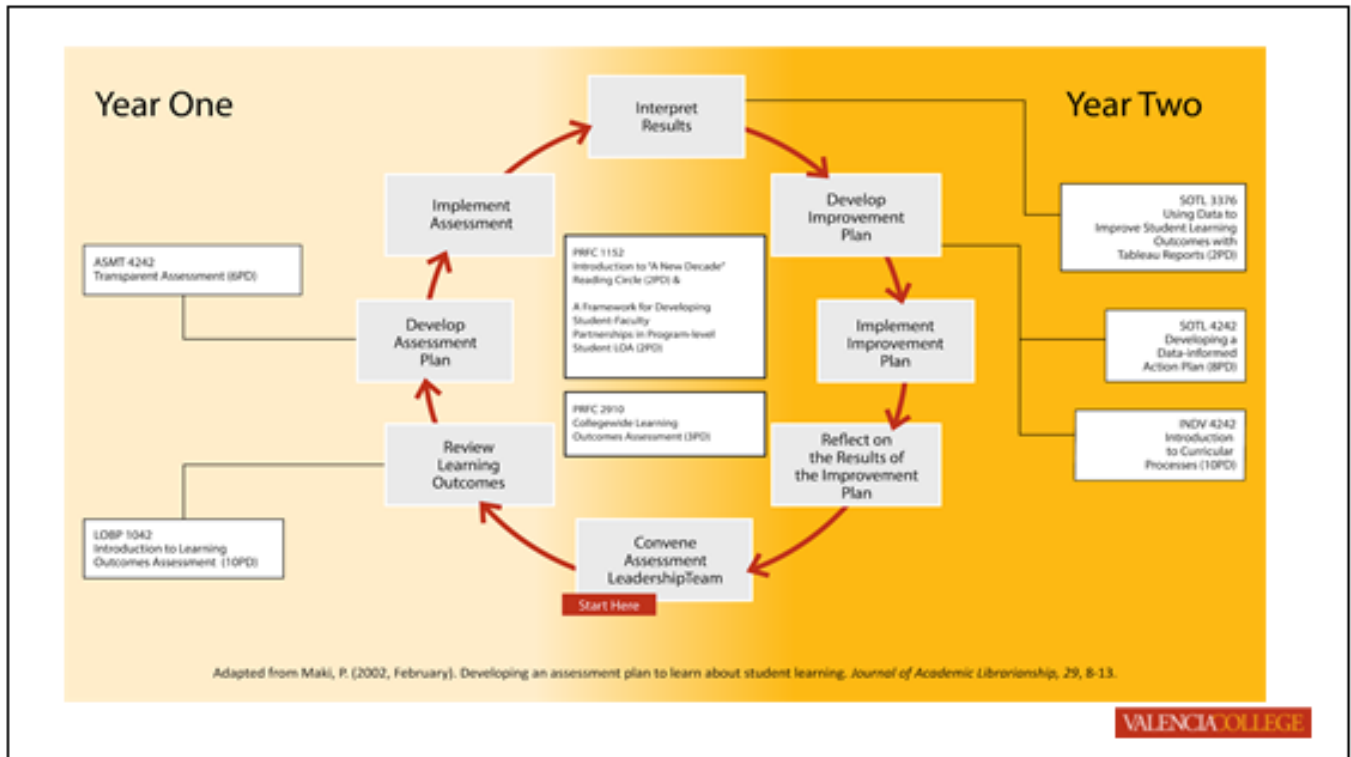
# What have we learned about assessing at the course-level?

---

Faculty Fellow for Data and Assessment Kristin & Lynta

Discuss methods for assessing pathway outcomes

VALENCIA COLLEGE



# What are we doing to assess the existing AA degree pathways?

A Degree Pathways STEM Assessment Leadership Team members Lynn & Nichole

Discuss methods for assessing pathway outcomes

**VALENCIA COLLEGE**

Pathway	BSC 1010C General Biology I	BSC 1011C General Biology II	BOT 2010C Botany	BSC 2093C Human Anatomy & Physiology I	BSC 2094C Human Anatomy & Physiology II	CHM 1045C General Chemistry with	CHM 1046C General Chemistry with	CHM 2210C Organic Chemistry I	CHM 2211C Organic Chemistry II	PHY 1020 Conceptual Physics	PHY 2048C General Physics with Calculus I	PHY 2049C General Physics with Calculus II
<a href="#">Biology</a>	X	X				X	X	X	X			
<a href="#">Biomedical Sciences</a>	X	X				X	X	X	X			
<a href="#">Chemistry</a>						X	X	X	X			
<a href="#">Computer Science</a>	OR (Two Total)	OR (Two Total)				OR (Two Total)	OR (Two Total)					
<a href="#">Dietetics (UF CAIS)</a>	X	X				X	X				X	X
<a href="#">Engineering</a>						X					X	X
<a href="#">Environmental Management</a>	OR (One Total)					X	X					
<a href="#">Food Science</a>	X	X				X	X					
<a href="#">Health Information Management</a>				X	X							
<a href="#">Health Sciences</a>	X	X		X	X	X	X				AND (or PHY 2053C & PHY 2054C)	
<a href="#">Horticultural Science (Organic Horticultural Systems/Science and Technology of Horticultural Crops)</a>	X	X				X				X		
<a href="#">Horticultural Science (Plant Biotechnology and Improvement)</a>	X	X				X	X					OR (One Total)
<a href="#">Information Technology</a>												OR (One Total)
<a href="#">Mathematics</a>	OR (One Total)					OR (One Total)						OR (One Total)
<a href="#">Natural Resource Conservation (UF CAIS)</a>	X					X						
<a href="#">Nutritional Sciences</a>	X	X				X	X					

VALENCIA COLLEGE

# What are the challenges when assessing degree pathways?

College Curriculum Committee Faculty co-chair Ravi Rajaraman

Develop example strategies for improving learning within pathways

VALENCIA COLLEGE

## Continue the conversation!

Nichole Jackson, [njackson18@valenciacollege.edu](mailto:njackson18@valenciacollege.edu)

Kristin Abel, [kabel@valenciacollege.edu](mailto:kabel@valenciacollege.edu)

Lynn Sims, [lsims3@valenciacollege.edu](mailto:lsims3@valenciacollege.edu)

Lynta Thomas, [lthomas87@valenciacollege.edu](mailto:lthomas87@valenciacollege.edu)

Ravi Rajaravivarma, [vraj.r.vivarma@valenciacollege.edu](mailto:vraj.r.vivarma@valenciacollege.edu)

What does this look like at  
your institution?





## Vision

We leverage the unique assets of  
Miami, Orlando, and Tampa Bay  
to develop talent which enhances community well-being

## Mission

We strengthen Florida's talent pipeline through the sharing of  
ideas and scalable solutions which accelerate learner  
achievement and access to economic opportunity



## Where the Action Is



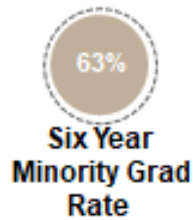
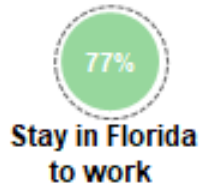
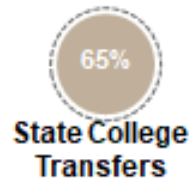
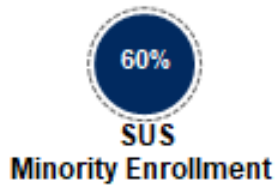
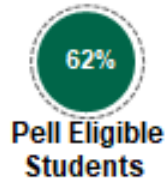
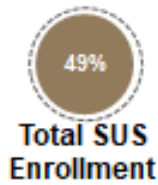
**The Florida Consortium Photographic Start**



# Great Cities Need Great Universities and Colleges



## The Impact



Source: 2021 SUS Accountability Report, 19-20 FETPIP Data, PayScale Report



# Florida Consortium Alumni (Lightcast Data)

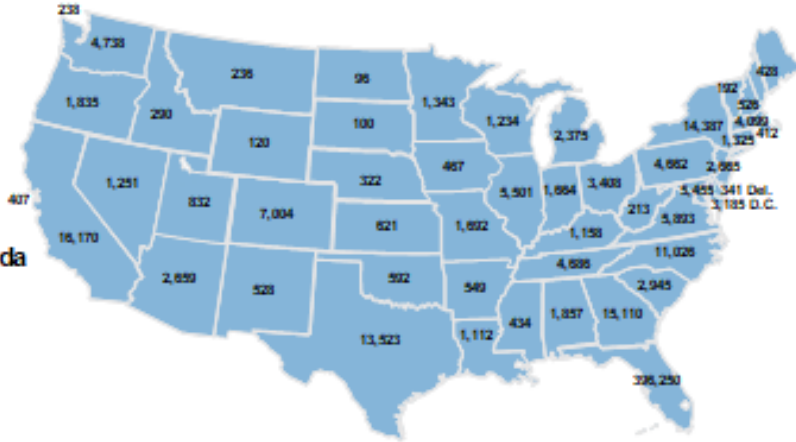
## Total Alumni Working in Florida

- Florida Consortium 396,250
- Rest of SUS 404,746

## Alumni Staying and Working in Florida

- Florida Consortium 72.29%
- Rest of SUS 59.03%

Each Year the Florida Consortium produces about **4,500** more graduates who will stay and work in Florida



## Our Economic Impact

Florida Consortium members contribute

**\$19 Billion** annually to Florida's economy



**550,000+**

Alumni work and live in Florida

That's **18%** of all Florida workers with a bachelor's degree or higher

Collectively we employ **49,800** Full and Part-Time Employees. With an average salary of **\$52,000**

According to Lightcast Data, every employee in higher education supports 2-3 non-university jobs with an annual economic impact of **\$115,000** per year.

In FY 21 Florida Consortium Members engaged in

**\$870 Million** In Funded Research

And were awarded **240** Utility Patents



This research has an over 300% Return on Investment

A Florida Consortium University is the top talent source for . . .

**36** of the **50** Largest Employers in the State. That's **27%** of ALL Florida 50 Companies Employees

Each year, The Florida Consortium sends over 3,000 more graduates who will live and work in Florida than the rest of the other SUS members COMBINED. That's Impact







## OUR WORK



## What is the Transfer Success Network?

The purpose of the Transfer Success Network (TSN) is to exchange knowledge, share data, and align best practices between partner institutions with the goals of enhancing the major readiness, preparedness, academic success, and on-time degree completion of our transfer students.







Transfer Success Network  
A Four-Year Project for Transfer Success  
sponsored by

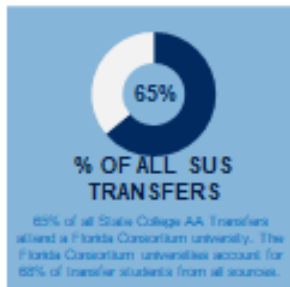


Improve 2 Year AA Transfer Grad Rate to

60%



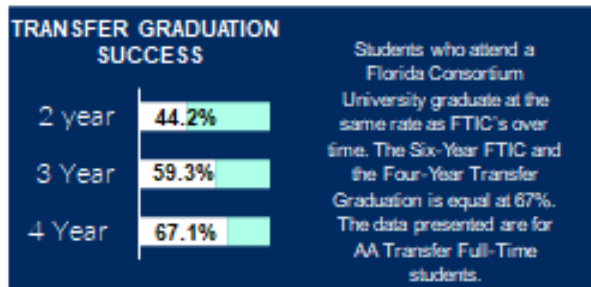
## Florida Consortium Transfer Success



In 2020 just over 27,000 students transferred from a Florida State College to a Florida Consortium University. This represents

**1 in 50**

of all Transfer Students enrolling in a university attend FIU, UCF, or USF in the United States, according to the National Institute for the Study of Transfer Students data.



All three Florida Consortium Universities enroll a combined

**44,762**

Students and all rank in the top 15 universities in the United States for total transfer population.

- Florida is the largest, and one of only 7 States to meet at four of the Education Commission of the States best practices for Transfer and Articulation. These practices are:
1. Translated Core of Lower-Division Courses.
  2. Statewide Common Course Numbering.
  3. Statewide Guaranteed Transfer of an Associate Degree.
  4. Statewide Reverse Transfer.

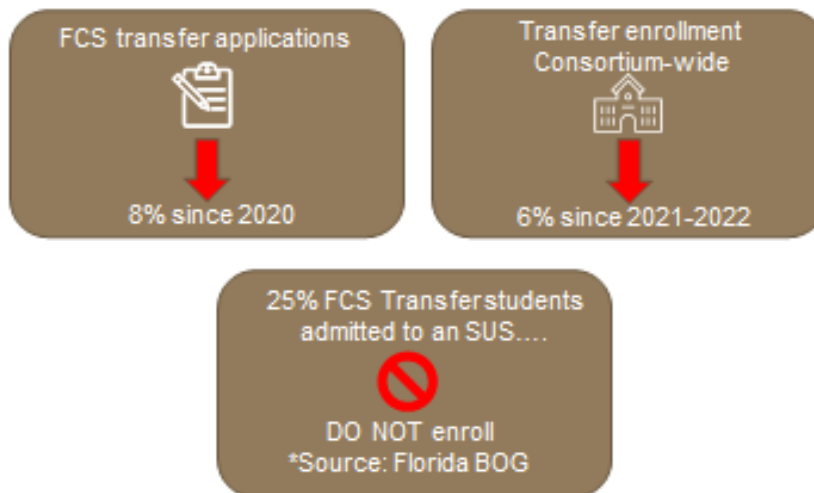


According to the Student Achievement Measure project, a transfer student who enrolls at a Florida Consortium University will eventually earn their degree

**82%**

of the time. The national rate is 58%.

# However . . . . .



# Our Steering Committee

## Florida Consortium of Metropolitan Research Universities

- Dr. Michael Preston, Executive Director
- Scott Mauro, Associate Director of Communications and Strategy


## Florida International University

- Dr. Janie Valdés, Assistant Vice-President Enrollment Management and Services – LEAD
- Dr. Jennifer Bravo, Director, Transfer and Transition Services

## University of Central Florida

- Dr. Pam Cavanaugh, Associate Vice-Provost, UCF Connect – LEAD
- Angelia Smith, Director, Academic Support Services, UCF Connect
- Dr. Jenny Sumner, Assistant Vice-Provost, Academic and Student Digital Initiatives
- Dr. Brian Boyd, UCF Registrar

## University of South Florida

- Dr. Fai Howard, Assistant Dean, Upper-Level Initiatives – LEAD
  - Jonathan Lee, Associate Director, Office of Transfer Services
- 

# Consortium Coaching Academy

Dr. Jenny Sumner, Assistant Vice Provost, Academic and Student Digital Initiatives designed, and project leads the Coaching Collaborative.

The goal of the Consortium's Coaching Collaborative is to train 500 participants in the practice of coaching by 2025.

## Results from 2022

In 2022, the first year of the Consortium's Coaching Collaborative training program, 105 participants from UCF, FIU, and USF, along with their state college partners, completed the 40-hour coach training course:

### • Spring 2022

o UCF = 17 completers [UCF, Eastern Florida State College, Daytona State College, Seminole State College, College of Central Florida, Valencia College, Lake Sumter State College]

### • Summer 2022

o FIU = 23 completers [FIU, Broward College, Miami Dade, Palm Beach State College]  
o USF = 22 completers [USF, College of Central Florida]

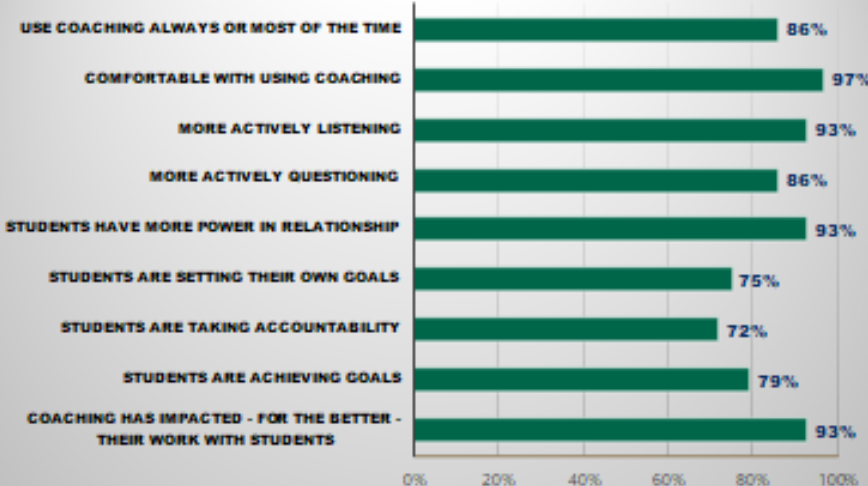
### • Fall 2022

o FIU = 26 completers [FIU, Broward College, Miami Dade, Palm Beach State College]  
o USF = 17 completers [USF, College of Central Florida]



# Consortium Coaching Academy

## Survey Results



### • Looking ahead for the UCF Higher Education Coaching Academy:

- Developing follow-up cohort "reunions" where participants can showcase how they are using their newly acquired skills.
- Creating mass marketing webinars to promote the Coaching Academy and start building an audience.
- Write a white paper / journal article on the academy and its effectiveness.



# FIU Transfer Success Coach



- **Monika Castaneda**

- 1<sup>st</sup> ever Success Coach
- Assists students with scholarships
  - Funds helps with books and fees
- Tracking students impacted by her work to show value for permanent position
- Goal to help students get closer to 90 credit hours

A background image of a graduation ceremony. Graduates in blue gowns are seen from behind, throwing their black mortarboards into the air. The scene is set in front of a large, light-colored building with many windows. The image is overlaid with a semi-transparent white box containing text.

**ARTICULATION  
PLATFORM TECHNOLOGY:  
THE DIGITAL DANCE**

Getting to this...



or this...





Can feel like this...



## What is Articulation Platform Technology?

APT is not just about adding new technology or process automation. It is about creating a platform where students can retrieve the most up to date and localized information students need for self-guided decision making.



# How important are self-service technologies?

According to Educause (2021) over 71% of IT and Technology leaders at our nation's colleges and universities are engaging in a digital transformation strategy where information and processes are merged into user technology aimed at the end user. – But what does that mean?



## The Promise and Pitfalls of APT

### • The Promises

- **Strategic Innovation** that transforms student success
- **Institutional Alignment** that reduces duplication and increases information volume
- **Data** that works for students in a way students can use this data for self-direction.

### • The Pitfalls

- **But will they use it?** Will students engage with these technologies or ignore them?
- **Will all parties cooperate?** Asking IT, Transfer, Advising, IKM, and Faculty to align and agree is a big lift.
- **What happens when it breaks?** Relying on Tech means you are relying on tech.



# The Journey to Articulation Platform Technology



## Major Outcomes for the Project

Research provided by the Central Florida Educational Ecosystem Database reports transfer students can be assisted in their path to graduation if we align practices and focus on three data supported solutions:

- Reduce transfer shock by creating a transfer coaching academy focused on major readiness for students through aligned training for state college and university professionals.
- Design a universal and public course equivalency and sequencing database designed to help students avoid double courses credits, maximize prior coursework, and allow students to explore their own major readiness.
- Promote retention through targeted student supports identified by the network.



## A public facing platform where transfer students can:



Access a joint Course Equivalency Catalog, Retrieval, and Approval System.



Identify courses required for degree completion based on reported academic needs.



Determine time to completion and evaluate transfer readiness based on major course of study



Initiate course review requests that will provide, when appropriate, credit for prior learning



## Articulation Platform Technology



### The Big Target

If the goal is for all full-time transfer students to graduate in two years, then how can we help more students accomplish this goal



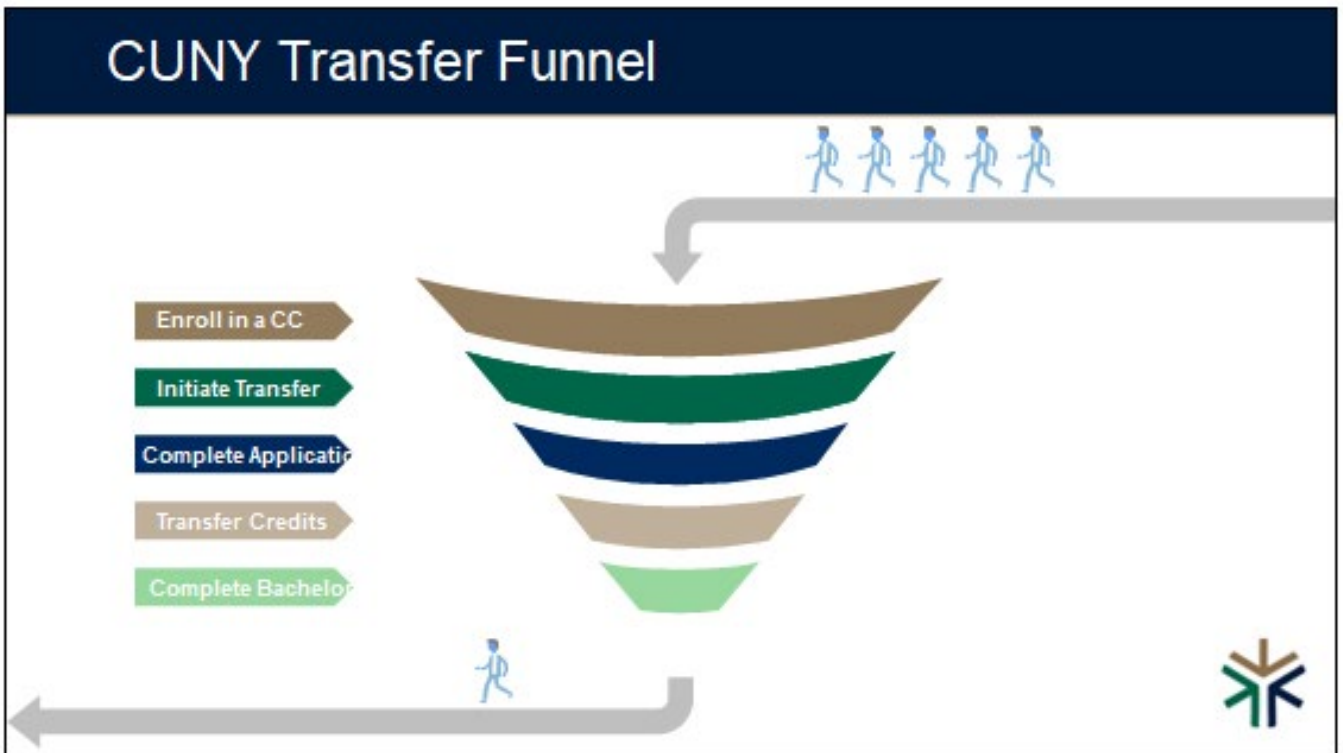
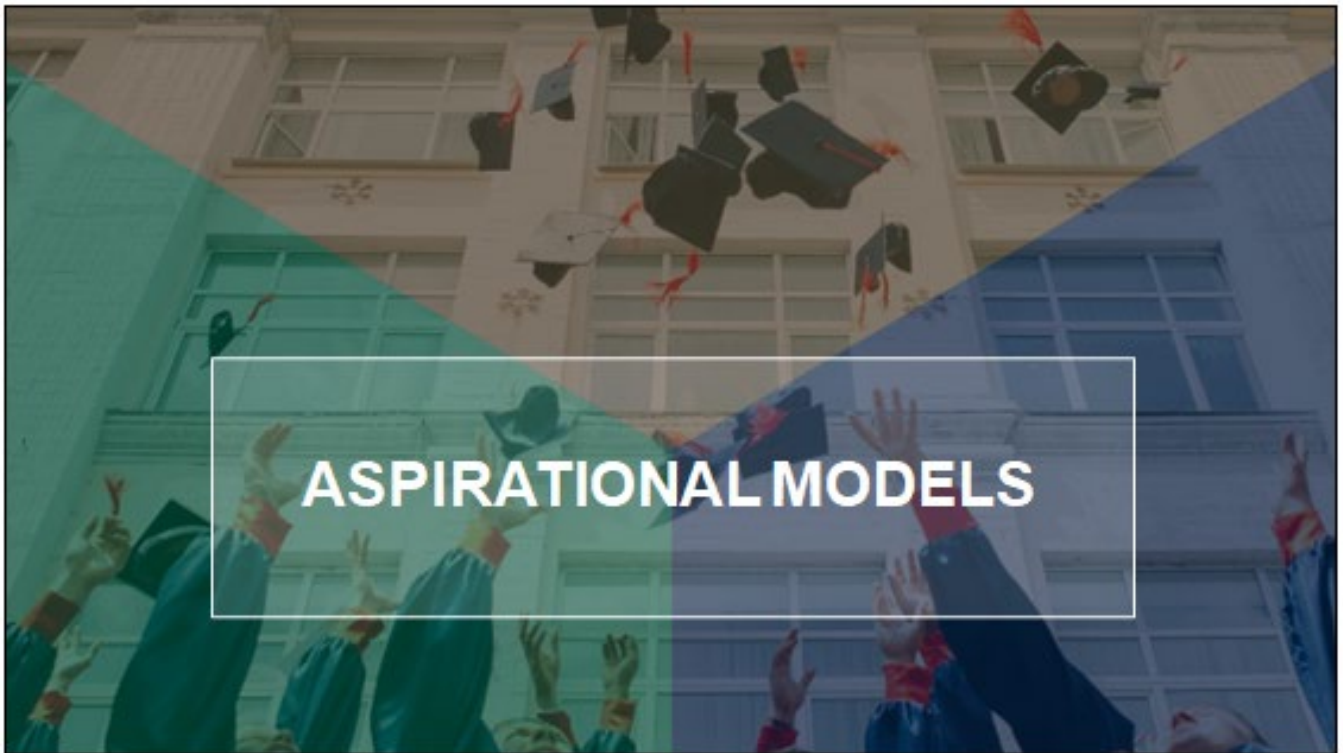
**UNLOCK CREDITS**



**On-Time Course Mapping**



**COURSE ALIGNMENT  
ACROSS INSTITUTIONS**





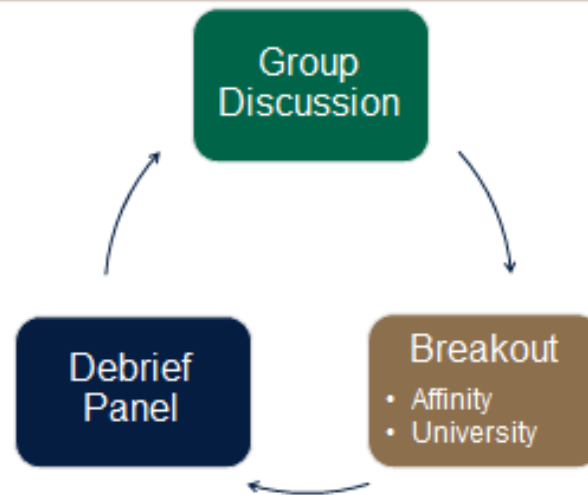
# MyPath2ASU



# FIU'S T.E.D. (Transfer Equivalency Database)



# Divergence – Convergence Cycle



APT Symposium  
Kickoff  
January 23–25, 2023

- Approximately 40 APT participants attended the symposium from FIU, UCF, and USF
- Attendees included key stakeholders from Transfer Student Services/Offices, Registrars, IT, and Faculty
- Moderated by Chamberlin & Dunn, and evaluated by Bragg & Associates

# Day 1: Breakouts and Debrief

Course information + Course review & Time-to-completion + Other needs

What elements must a system have?

What elements would be nice to have?



Navigation from Student Perspective

What goes where?

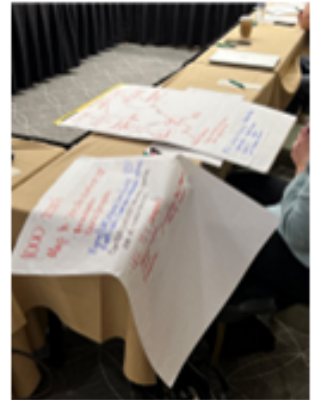
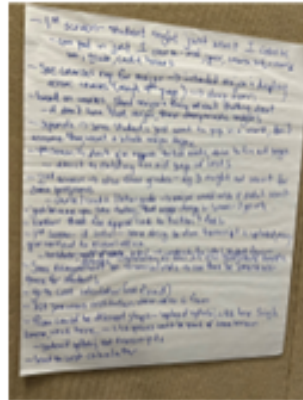
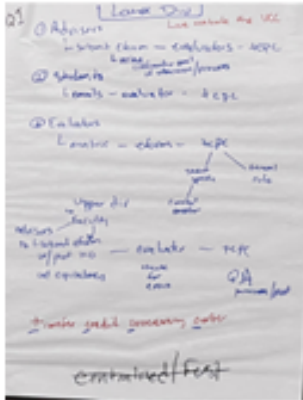
What is grouped together?



## APT Symposium Affinity Breakout Groups



# Day 1: Our work in action



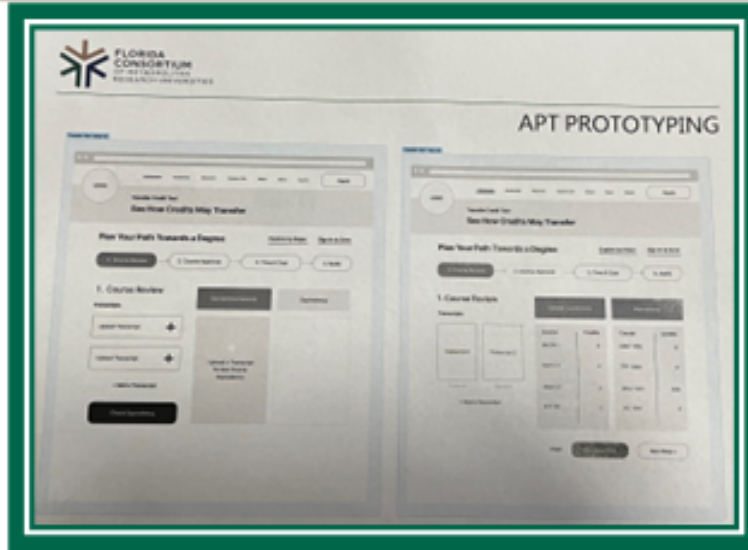
## What are attendees recommended

A collection of blue cloud-shaped callouts containing recommendations for attendees:

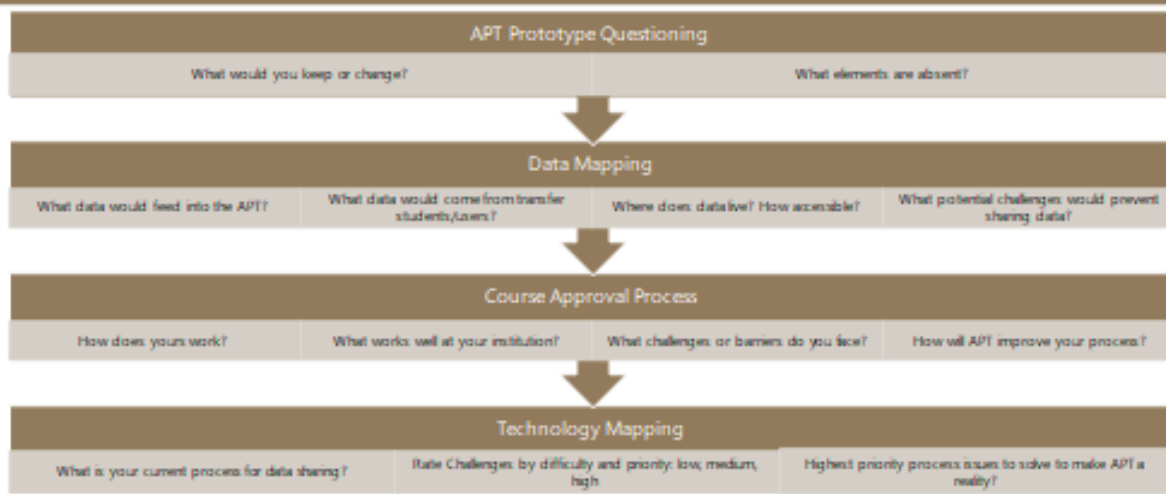
- “ Show students courses taken and how they would count (include timeframe and minimum grade). ”
- “ All degree requirements updated regularly. ”
- “ Identify other possible majors. ”
- “ Match courses to majors... courses that apply and course that do not (for majors). ”
- “ Public facing and smart workflows. ”
- “ Identi ”



# APT Prototyping: First Draft



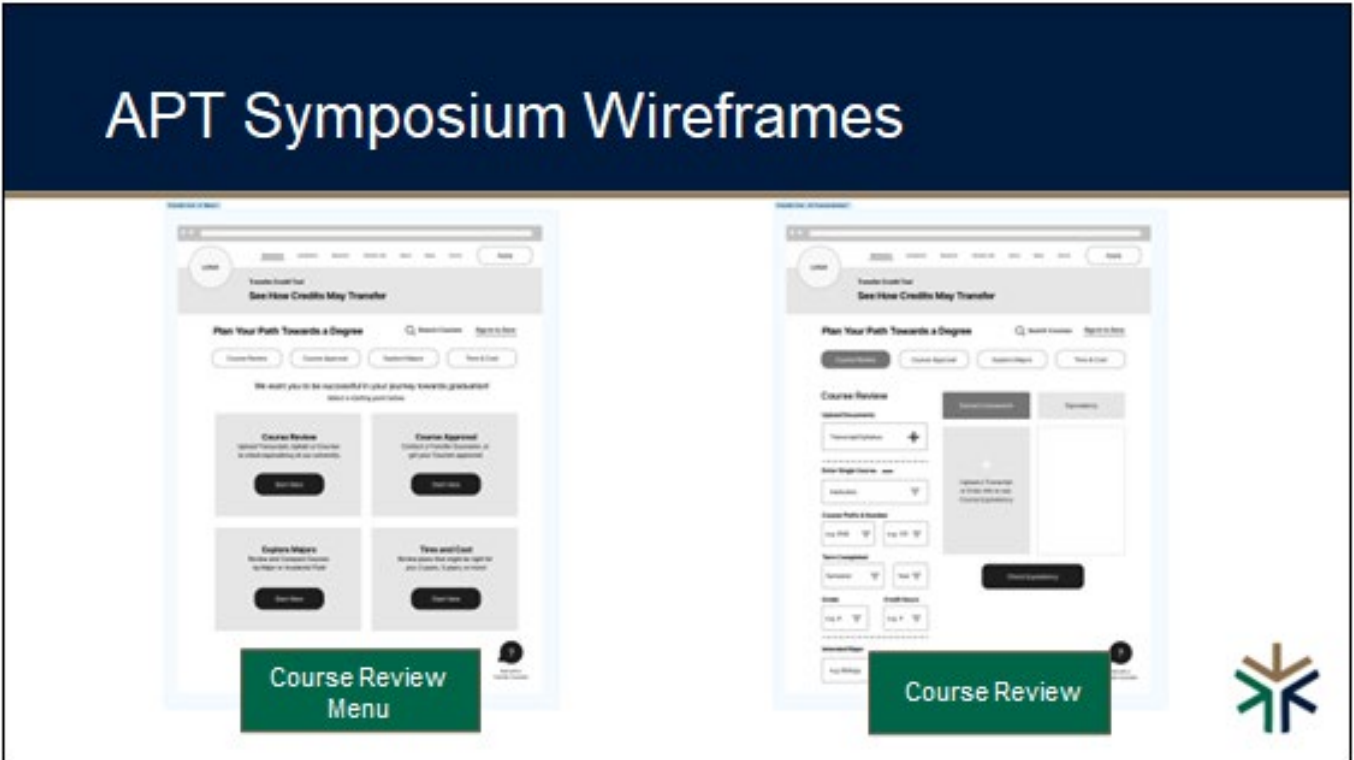
## Day 2: Breakouts and Debrief







## APT Symposium University Teams Breakout Groups



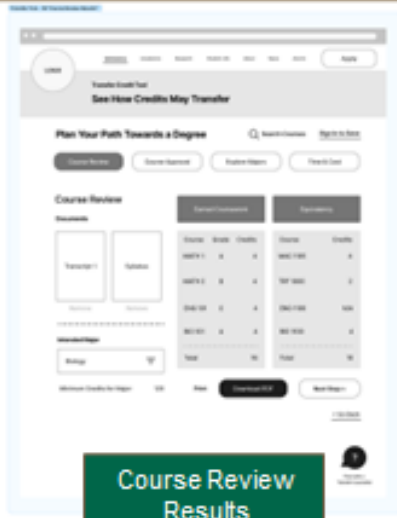
## APT Symposium Wireframes

Course Review  
Menu

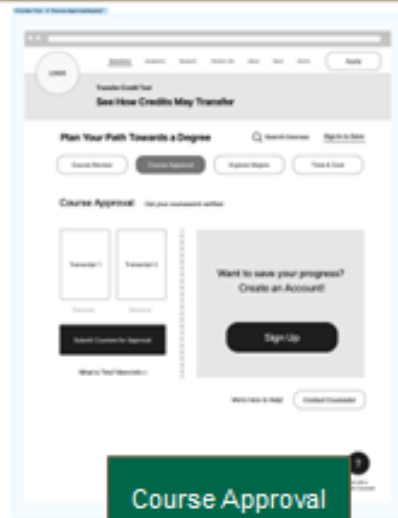
Course Review



# APT Symposium Wireframes



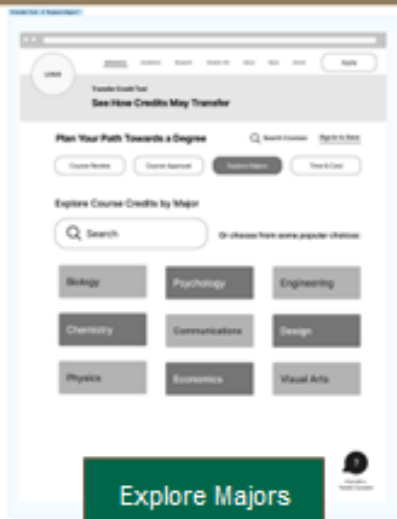
Course Review Results



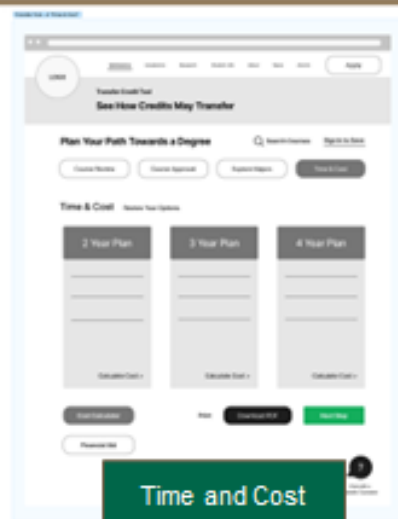
Course Approval



# APT Symposium Wireframes



Explore Majors



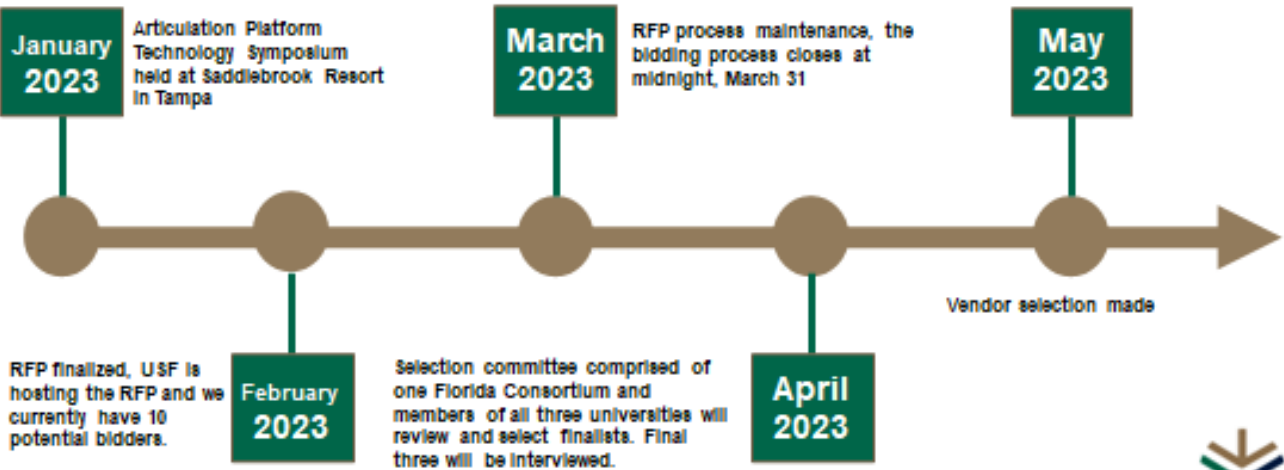
Time and Cost



# Six Steps for Designing our Strategy



# Articulation Platform Technology



Upcoming  
Consortium  
Sponsored  
Travel



Heli@s<sup>®</sup>  
Education Foundation



A Symposium on Transforming the  
Foundational Postsecondary Experience

June 12-13, 2023 Asheville, NC



Talent Strong  
Florida Summit



## 2023 Summit on Accelerating Transfer Success

**SAVE THE DATE**  
ACCELERATING  
TRANSFER SUCCESS

FLORIDA SUMMIT 2023 AT USF

MONDAY, NOVEMBER









## Escaping to Reality: How Engaging Students in an Escape Room can Open their Minds to New Possibilities in Research

Presented by AJ Gonzalez and Sue  
Wheeler

April 7, 2023

# Research

## Game Based Learning/Gamification

- Gamification is an effective method to create more engaging orientation or induction programs in libraries. It is defined as "using game-based mechanics, aesthetics and game thinking to engage people, motivate action, promote learning and solve problems (Kapp, 2016).





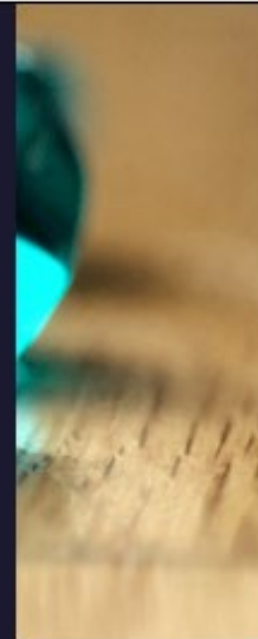
## Escape Rooms for Learning

- Digital Natives – think and process information differently (Fotaris & Mastoras, 2019)
- Acute need for educational innovations to make impact on students' educational experience (Serdyukov, 2017)
- Students who take part in gamified learning have increased attendance rates, report higher levels of enjoyment and find learning more interesting (Barata, et al., 2013).

3

## Game Based Learning

(GBL) takes advantage of gaming technologies and techniques to create a fun, motivating, and interactive virtual learning environment that promotes situated experiential learning (Csikszentmihalyi, 1990).



4

## Main Characteristics of Game Rooms

- Borrowed Elements
  - Point and click adventure games
  - Live-action role playing
  - Interactive theatre
  - Treasure Hunts
  - "Live action team-based game wherein players discover clues, solve puzzles, and accomplish tasks in one or more rooms to accomplish a specific goal in a limited amount of time"  
(Nicholson, 2015)



5

## Advantages

- Promotes teamwork and collaboration
- Produces high level of enjoyment
- Engagement
- Learning Gain
- Increased Motivation
- Social Interaction and Motivation



6

## Advantages (Continued)

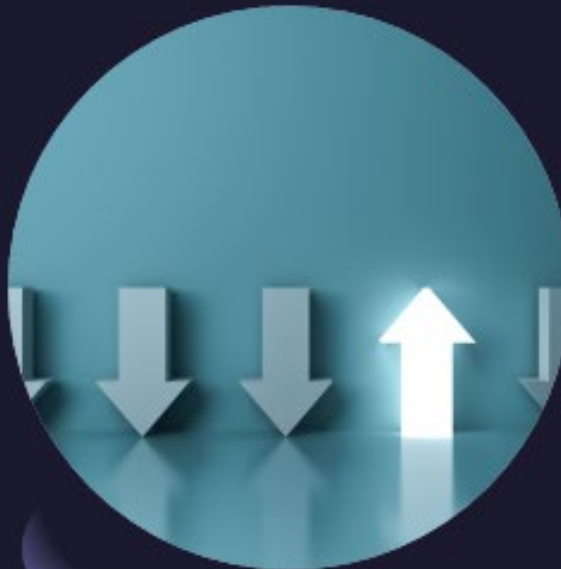
- Improved Analytical Skills
  - Critical Thinking
  - Problem Solving
  - Creativity
- Rooms can be reused several times with different groups
- Provides supplemental method for reviewing material



7

## Challenges

- Studies lacked control group and resorted to surveys addressing students' perceptions of the escape room which produced biased results because it was difficult to obtain a significant number of responses.
- Time Commitment – intellectual and physical labor could make it labor intensive and high resource process that may not appeal to educators.
- Budget limitations
- Group sizes (large groups can present a problem).



8

## Examples of Library Escape Rooms

<https://www.madisonlibrary.org/about-home/digital-escape-rooms>

<https://platform.breakoutedu.com/game/play/attack-of-the-page-snatchers-3114747fbclid=twAR2IPtIva3g5VyuWKbP3cwme#epJ6cflpH4TjflNedntWzuEWNWUw7FRGcY>







## **UCF's Integrative General Education Program & the Co-Curricular Student Experience**

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Wayne Bowen, PhD

*Interim Associate Dean for the College of Undergraduate Studies, Director of Interdisciplinary Studies*

Annabelle Conroy, PhD

*Lecturer, School of Politics, Security & International Affairs, Faculty Fellow*

Amy Darty, MA

*Senior Instructor, History Department, Faculty Fellow*

### **OUR MISSION**

**UCF** is a public research university invested in **unleashing the potential** within every individual, **enriching the human experience** through inclusion, discovery and innovation, and **propelling broad-based prosperity** for the many communities we serve.

0011 000



## General Education Program (GEP) Refresh, Review, and Reform Fall 2016 to Spring 2021

Faculty-led process with 200+ in cohorts, training, or Winter/Summer Conferences

- **Validation of Foundation Areas**
  - *Communication*
  - *Cultural Interaction*
  - *Interpretation & Evaluation*
  - *Knowledge Application*
  - *Problem Solving*
- **Development of Learning Outcomes**
  - *Primary and Secondary Learning Outcomes for each course*
- **Creation of Assessment Model and Dashboard**
- **Professional Development and Training**
- **Key for Advisors and Students:**  
*No changes to list of courses, foundation areas, credit hours, or GEP requirements*

## Integrative General Education Program Learning Experience

Five program-level learning outcomes will provide students with a cohesive learning experience that will enable them to plan, connect and reflect as they move through their foundational learning experiences.

### KNOWLEDGE APPLICATION

Understand scientific methods and connect and apply them to challenges facing society.

### COMMUNICATION

Become successful writers, speakers and producers of digital materials in their academic, civic, and professional worlds.

### GENERAL EDUCATION PROGRAM



### PROBLEM SOLVING

Be well-informed citizens who can reason and apply analytical, statistical, and computational methods to the challenges of a globally-diverse and technologically-rich environment.

### CULTURAL INTERACTIONS

Understand common human themes, have an awareness of diverse cultures, and understand the cultural, historical, economic, and social implications of what they learn.

### INTERPRETATION AND EVALUATION

Assess and decipher information in a world full of conflicting sources.

**UNIVERSITY OF CENTRAL FLORIDA** 2022-2023 General Ed

Name: \_\_\_\_\_ Major: \_\_\_\_\_ SCRF#: \_\_\_\_\_

FOUNDATION	STATUS	COURSES
<b>COMMUNICATION FOUNDATION</b> (1.0)	1.0	GEP 1 - choose one class to complete GEP 1.1 ENG 1101 English Composition (3 cr.) GEP 1.2 ENG 1102 English Comp II (3 cr.) GEP 2 - choose one class to complete COM 1000 Introduction to Communication (3 cr.) SOC 1000 Fund. of Technical Presentation (3 cr.) SOC 1000 Fund. of Oral Communication (3 cr.)
<b>HISTORICAL &amp; CULTURAL FOUNDATION</b> (0.5)	0.5	GEP 4 - choose one class to complete AMH 2010 A. History 1860-1917 (3 cr.) EUR 2000 Western Civilization I (3 cr.) EUR 2001 Western Civilization II (3 cr.) HIS 2020 Introduction to American History (3 cr.) HIS 2020 Studies in Culture, Art, & Thought (3 cr.) HIS 2200 Studies in Culture, Art, & Thought (3 cr.) WOC 2010 World Civilization (3 cr.) WOC 2020 World Civilization II (3 cr.)
<b>SCIENCE FOUNDATION</b> (8.0)	8.0	GEP 11 - choose one class to complete AST 2002 Astronomy (3 cr.) CHE 1020 Concepts in Chemistry (3 cr.) CHE 1020 General Chemistry (3 cr.) CHE 2040 Chemistry Fund. I (3 cr.) CHE 2040 Principles of Chemistry (3 cr.) CHE 2050 Physics through Chemical Change (3 cr.) PHY 2020 Concepts of Physics (3 cr.) PHY 2040 General Physics I Lab (3 cr.) PHY 2050 College Physics I (3 cr.) PSC 1120 Physical Science (3 cr.)
<b>MA THEMATICAL FOUNDATION</b> (5.0)	5.0	GEP 7 - choose one class to complete MAC 1100C College Algebra (3 cr.) MAC 2110 Calc. in Analytic Geom. I (3 cr.) MAC 2110 Calc. in Analytic Geom. II (3 cr.) GEP 8 - choose one class to complete COS 1000 Introduction to Computer Science (3 cr.) COS 2100 Computer Fund. for Business (3 cr.) COS 2000 Concepts in Computer Science (3 cr.) COS 2000 Computer Science I (3 cr.) COS 2000 Computer Science II (3 cr.) CST 2000 Intro to Science: Mathematics (3 cr.) STA 2000 Principles of Statistics (3 cr.) STA 2020 Applied Methods (3 cr.) STA 3020 Probability & Stats. for Eng. (3 cr.)
<b>SOCIAL FOUNDATION</b> (3.0)	3.0	GEP 9 - choose one class to complete AMT 2000 General Anthropology (3 cr.) AMT 2117 Civic Engagement in World History (3 cr.) PSY 2010 General Psychology (3 cr.) PSY 2000 Introduction to Sociology (3 cr.)

**Learning Outcomes:**  
 C: Communication  
 H: Historical & Cultural  
 M: Mathematical  
 S: Science  
 SO: Social

**Public Legend:**  
 \* One Florida State Core course is used in each of the Five Foundations  
 (Note: Some courses may be substituted for others, but standards required)  
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## GEP Implementation Fall 2021 & Onward



- Ongoing communication with 400+ GEP Faculty: newsletters, emails, Webcourse
- Implementation (Fall 2022-onward)
  - Updated Assessment Model
  - Data validation for accreditation
  - Continued Professional Development Opportunities
  - Opening of Quali Curriculum Management for new/ revised courses
  - Continued faculty-led process to benefit students, maintain program strengths, and provide continuous improvement



## GEP Leadership

- Vice Provost and Dean, College of Undergraduate Studies
- Interim Associate Dean, College of Undergraduate Studies
- GEP Faculty Fellows(x2)
- Instructional Specialist (*To Be Filled, Summer 2023*)
- GEP Foundation Area Co-Leads
  - [Communication \(x2\)](#)
  - [Cultural Interaction \(x2\)](#)
  - [Interpretation & Evaluation \(x2\)](#)
  - [Knowledge Application \(x2\)](#)
  - [Problem Solving \(x2\)](#)



***“How we think and what we do is important to how we become citizens of this country and of the world.”***  
**– Dr. Theodora Regina Berry, Vice Provost and Dean,  
UCF College of Undergraduate Studies,  
discussing UCF’s vision of student achievement by promoting  
academic success and student well-being.**

**UCF GEP’s integrative approach and reflective practices promote both aspects.**

Topic: “Unleashing Potential: Interdisciplinary Approach to Learning”

Academically Speaking podcast

# Integrative GEP for Curriculum Alignment & Student Success

The purposes of the UCF General Education Program (GEP) are to introduce students to a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and receptive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning.

The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices; to accept the responsibilities of working and living in a rapidly changing world; and to lead a productive and satisfying life.

## GEP Course Preparation Checklist

As you prepare your GEP courses, incorporate the following in your materials:

- ✓ Communicate the overall purpose of the GEP Foundations

UCF's General Education Program provides students with a common, integrative learning experience that prepares them for the challenges of the 21st century and beyond. It is designed to provide students with a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and receptive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning.

Our integrative general education experience allows students to make the most of their college years by providing them with a common, integrative learning experience that prepares them for the challenges of the 21st century and beyond. It is designed to provide students with a broad range of human knowledge and intellectual pursuits, to equip them with the analytic and receptive skills required to engage in those pursuits, to develop their ability to think critically, and to prepare them for life-long learning.

The purpose of the UCF General Education Program (GEP) are:

- To introduce students to a broad range of human knowledge and intellectual pursuits
- To equip students with the analytic and receptive skills required to engage in those pursuits
- To develop their ability to think critically
- To prepare them for life-long learning

The GEP curriculum provides students with the intellectual, ethical, and aesthetic foundations necessary to make informed choices, to accept the responsibilities of working and living in a rapidly changing world, and to lead a productive and satisfying life.

- ✓ Add the GEP logo and outcome descriptions somewhere in your course or associated assignment to build recognition by students



- ✓ Add the GEP branding images for your specific Foundation and Learning Outcomes

- Update your syllabus or handouts to students to reflect the GEP Foundations which align using the description, tag or icon for your specific Foundation and Outcomes
- If more than one outcome is integrated, whenever all icons involved and explain to students how completion of coursework helps them build their GEP skills.
- All images, icons, and descriptions provided in the General Education Faculty Learning Community WikiSpace. Instructional materials and GEP guides available.

Include a statement about the GEP Foundations in your Syllabus, Main Course Page, or Modules

Link to the General Education Expectations - [Go to UCF.edu](https://ucf.edu)

## FACULTY RESOURCES

AWARENESS / Marketing the rebranded integrative GEP:

- UCF Orientation & First Year Advising
- Direct Connect Planning / Transfer Connect Onboarding
- Aligning the GEP core and the CPP for success transfer of credits and preparation (partner institutions can add UCF-GEP materials to student advising, show students alignment similar to matriculation agreements)
- Icon / imagery / Foundation explanation included on syllabi, assignments, course materials, etc.
- Reflective GEP Foundation exercises in coursework, peer review or exist survey/interviews
- Professionalization Resources – help students translate their coursework and GEP preparation to degree path and interconnections between courses/Foundations. Connect to the Digital Badging as value-add for student progress to degree and employment.



## Leveraging Digital Resources & Outreach

Newsletter

General Education  
Faculty Learning  
Community



Transparency in coursework about the integrative GEP and the value of its Foundations is vital.

### Grab-and-Go Marketing for the GEP

- Make visual connections by integrating GEP branding in your course materials.
- Color Coding Foundations
- GEP Core Foundations color wheel branding
- Link the images to the work students complete, or ask them to show use of icons in reflection.

### Embedding Icons & Images



### Encouraging Dialogue & Reflection

- Teach the GEP Learning Outcomes and Foundations to help students connect the Learning Outcomes to their degree programs and futures.
- Ask students big questions and encourage reflection, self-evaluation, and learning assessment of LOs across their GEP courses.
- Use gaming to help students practice identifying the course's Learning Outcomes.
- Scenario-based GEP Connections
- Learning Checkpoints in Coursework

# Student Engagement with GEP Foundations & Learning Outcomes

### UCF Integrative GEP Adventure - Start Exploring!

As you complete your GEP courses at UCF, you have many choices to fulfill your requirements, all of the GEP classes have been designed with your enrichment and major preparation in mind. Each course shares common characteristics and discipline foundations which help you become more successful on your degree journey, which of the following Foundations do you want to explore next?



- A) Communication (Yellow)
- B) Cultural Interactions (Purple)
- C) Interpretation and Evaluation
- D) Knowledge Applications (Blue)
- E) Problem Solving (Green)

**Cultural Interactions Learning Outcome for Other IGEP Classes**

Understand various social, cultural, and environmental factors that influence and contribute to cultural, behavioral, and social interactions of individuals.

This is the primary Foundation for the Cultural and Historical studies of your IGEP learning plans, including GPA, GPA, and GPA, 1 is a core credit in IGEP.

The Integrative GEP course in Cultural Interactions also serves as a transferable learning outcome for various disciplines for use in the Communication and Social Foundations.

### Integrative GEP - The 5



- 1. IGEP Cultural Interactions: Assess and decipher information in a world.
- 2. IGEP Problem Solving: Understand scientific methods and connect.
- 3. IGEP Interpretation and Evaluation: Be well citizens who.
- 4. IGEP Communication: Become writers, to.
- 5. IGEP Knowledge Application: Understand human s.


**GEP Gaming with Matria Widgets**



### Midterm GEP Scavenger Hunt

**Communication Foundation**  
 1. Analyze the communication process in the workplace.  
 2. Analyze the communication process in the workplace.  
 3. Analyze the communication process in the workplace.  
 4. Analyze the communication process in the workplace.  
 5. Analyze the communication process in the workplace.

**Problem Solving Foundation**  
 1. Analyze the communication process in the workplace.  
 2. Analyze the communication process in the workplace.  
 3. Analyze the communication process in the workplace.  
 4. Analyze the communication process in the workplace.  
 5. Analyze the communication process in the workplace.



**GENERAL EDUCATION PROGRAM**

- KNOWLEDGE APPLICATION
- CULTURAL INTERACTIONS
- INTERPRETATION AND EVALUATION
- PROBLEM SOLVING
- COMMUNICATION

## GEP Assessment Process

### Five-Year Plan

- Year 1 (2019-20): Development of mission, foundations, Learning Objectives
- Year 2 (2020-21): Training of faculty, implementation of pilot program
- Year 3 (2021-22): Pilot, evaluation of pilot results, recalibration, modification, plan
- Year 4 (2022-23): Data Collection, recalibration if needed, data analysis
- Year 5 (2023-24): Data Collection, recalibration if needed, data analysis

# The Value of GEP Assessment



TO MEASURE OUR STUDENT ACHIEVEMENT OF LOS



TO SEE IF/WHAT WE NEED TO CHANGE: PEDAGOGY, RESOURCES, PROCESS, FUNDING



TO DEMONSTRATE PROGRAM EFFECTIVENESS (INSTITUTIONAL EFFECTIVENESS)



TO PLAN FOR THE FUTURE



FOR ACCREDITATION

## Crafting GEP Assessment



# GEP Assessment

## Course Data Sampling by Foundations



ONE ASSIGNMENT \* ONE OUTCOME = GEP ASSESSMENT

foundations

Foundation Learning Outcome	# of courses
COMMUNICATION	5
CULTURAL INTERACTIONS	25
INTERPRETATION & EVALUATION	7
KNOWLEDGE APPLICATION	23
PROBLEM SOLVING	12
<i>Total</i>	<i>72</i>



### Assessing Implemented Change/Strategy

- Revisions were introduced into the process
  - New rubric
  - More training / help guides
  - Improvements in Canvas integration
  - Clearer sample guidelines (50 student scores)
- All Foundations participated in the assessment process



# Rubric

- The high percentage of "ME / EE" scores (100% in one course), indicated the need to refine the rubric.

3	2	1
Exceeds Expectations	Meets Expectations	Does Not Meet Expectations

- The rubric was modified to include 5 categories based on the AAC&U VALUE rubrics:

4	3	2	1	0
Exemplary	Outstanding	Competent	Developing	Unsatisfactory / No data

# Training



Role of Co-leads

Website

Handouts/printable materials

Step-by-step video guides



## *Canvas Integration*

---

CDL explored ways to automate the process. The New Quiz tool will automate the rubric inclusion and assignment.

---

Collaboration with CDL, FCTL, and the departments/schools within each Foundation is crucial

## **Sample guidelines**

Problem: many classes are large (50+), placing an additional burden on faculty

Strategy: Sample size 50 max.

# Best Practices

- Process should be faculty-led
- Mission and LO should be clearly established
- Start with a small-scale pilot
- Teams of co-leads / task force
- Standardize the rubric
- Make it easy and useful

## Assessing the GEP Learning Outcomes



In this module, you will learn how to assess the GEP by integrating learning outcomes from your current courses with existing foundations in your class assignments.

### Activities:

- Watch a short introduction video.
- Review the learning outcomes for each foundation and identify those you will assess through your class assignments.
- Learn how to assess GEP learning outcomes in webinars or via our grading assignments.

For a quick overview of what is being taught in each foundation and which activities address those outcomes, check out the [GEP Learning Outcomes 2022.pdf](#).

Visit the [Continuum of Support](#) for the 2022-23 Assessment Task Force, located [available@uconn.edu](#).

Read more about our GEP and ways to engage in research through [our work in the Assessment Hub](#).

## Activity



DEFINE YOUR MISSION,  
GOALS, LOS



DETERMINE THE TIMELINE  
/ DEADLINES / SAMPLE SIZE



DECIDE ON THE RUBRIC

## References

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**Fostering College  
Readiness in  
Chemistry through  
Coordinated High  
School Manual**

*April 2023*



**Alexander Stubenbort**  
Senior Administrator  
Secondary Science & K-12 Social Studies



**Carey Krzeminski**  
Program Specialist  
Secondary Science

## **CHEMISTRY ESSENTIAL LABS MANUAL**



A lab manual aligned to the chemistry standards provided by the state of Florida.

These labs encourage hands-on learning experiences that support Chemistry instruction.

Created in collaboration with educators from Orange County Public Schools, University of Central Florida, Valencia College and Seminole State College.



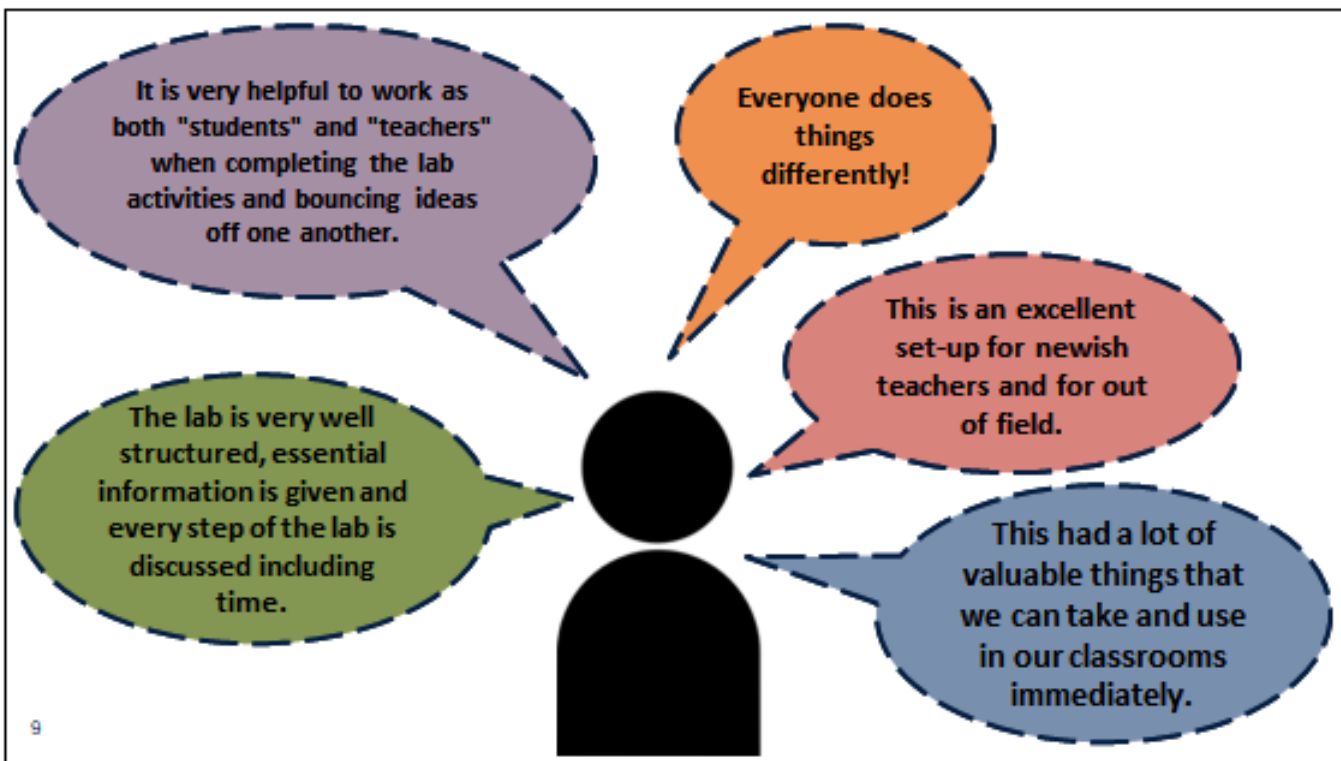
# Learning Objectives:

- Reflect on how OCPS' approach to building a chemistry essentials lab manual could be accomplished in other content areas to support alignment.
- Integrate perspectives from students, high school educators, and University faculty to increase K-12 to post secondary instructional alignment









## What's Next

- Share the resource with neighboring districts
- Collecting data on the impact
- Continue to gather feedback and act on it



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## GREAT MINDS

### THINK

Through the lens of your role, what is a typical gap your students are experiencing in their transition from secondary to post-secondary studies?

### WRITE

Record it on your sheet

### SHARE

Tell your group about it

### ASK

clarifying ?'s  
probing ?'s



**SHARE YOUR IDEAS!**

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Our Promise. Your Support. Their Success.  
Our Promise. **Your Support.** Their Success.  
Our Promise. Your Support. **Their Success.**





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## COURSE SEQUENCE DATA

CURRICULUM ALIGNMENT CONFERENCE  
7 APRIL 2023

Dr. Teresa Dorman  
Associate Dean, College of Sciences  
University of Central Florida

[curriculumalignment.ucf.edu](http://curriculumalignment.ucf.edu)



### WHEN EXAMINING COURSE SEQUENCE DATA, WE MUST ACKNOWLEDGE DIFFERENT:

- Institutional Missions
- Performance Metrics
- Admissions Protocols
- Use (or not) of Placement Tests
- Campus and Classroom Environments
- Levels of Course Alignment (within and between)

## COURSE SEQUENCES

- Analysis of **96** two-course sequences defined as a **prerequisite** and **target**
- All “prerequisite” courses are examined via Curriculum Alignment
- Courses completed at/ as:
  - UCF
  - Direct Connect Partner
  - Other FCS Transfer
  - Other (e.g., out-of-state, international)
  - AP Credit

### PREREQUISITE COURSE

A course completed at any institution. These are not always the actual prerequisites, but they are a course that provides foundational knowledge.

### TARGET COURSE

A UCF course that is dependent on or follows a “prerequisite” course.

## ACCESSING THE DASHBOARD

The screenshot displays the Microsoft Teams interface. On the left, the 'Teams' sidebar shows a list of teams under 'Your teams'. The team 'UCFTeam-DirectConnect-Curri...' is expanded, showing sub-teams: 'General', 'Administrative', 'CA Dashboard--Course Sequencing', 'CA Presentations - External', 'CA-Accounting', 'CA-Biology', 'CA-Chemistry', and 'CA-Composition'. A yellow arrow points to the 'CA Dashboard--Course Sequencing' team. The main content area shows the 'Curriculum Alignment Dashboard--Course Sequencing' file list. A yellow arrow points to the file '1 READ ME FIRST.pdf'.

Name	Modified	Modified By
1 READ ME FIRST.pdf	November 28, 2022	Teresa Dorman
Course Sequencing Dashboard.twbx	March 1	Christopher Childs
CourseSequenceData_4.7.2023.pptx	A few seconds ago	Teresa Dorman

---

Data are updated annually.

**Permission and Additional Information:**

- Notify us if you intend to share these data – we want to ensure you know how to correctly read and interpret the results
- Notify [Chris Childs](#) with UCF's IKM before sharing outside of the DirectConnect to UCF® partner institutions

**Ethical Use of These Data:**

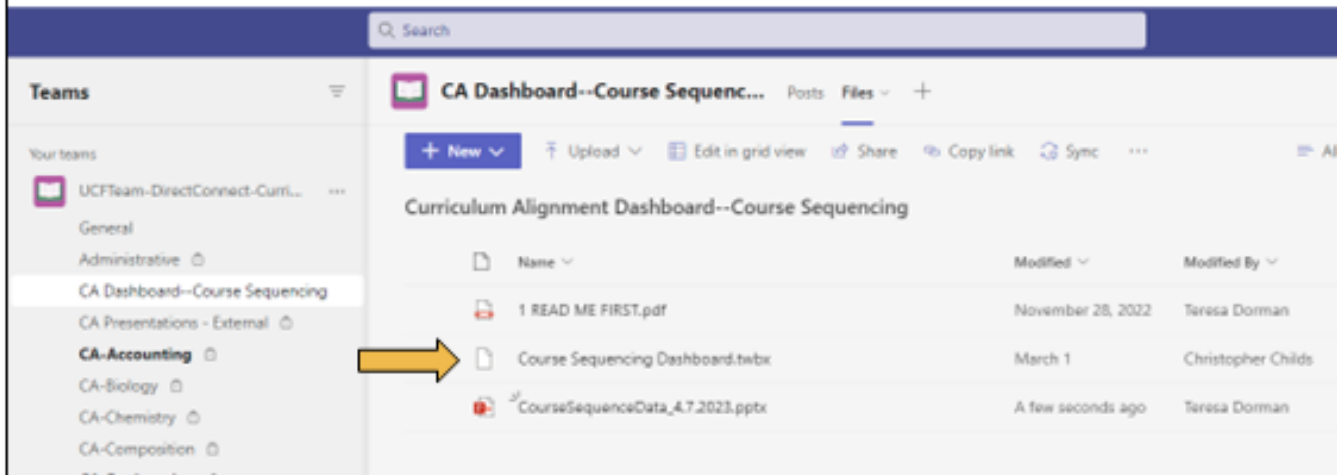
- Many factors may positively or negatively impact student success
- These data are **not intended:**
  - to imply they predict or determine a student's ability to perform and/or succeed
  - to indicate the quality of instruction at a given institution

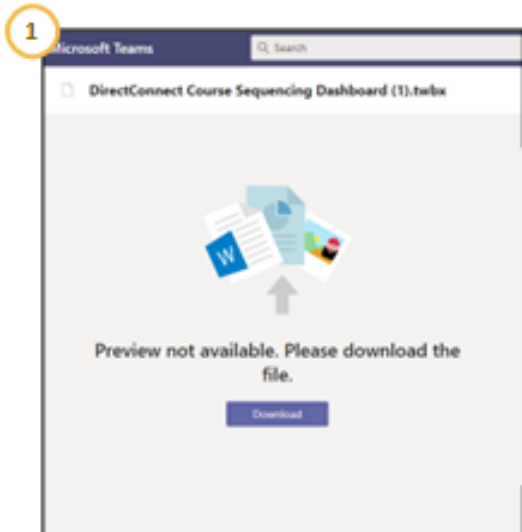
Excerpt from "READ ME FIRST"

---

## DOWNLOADING THE READER AND DASHBOARD

<https://www.tableau.com/products/reader/download> (free)



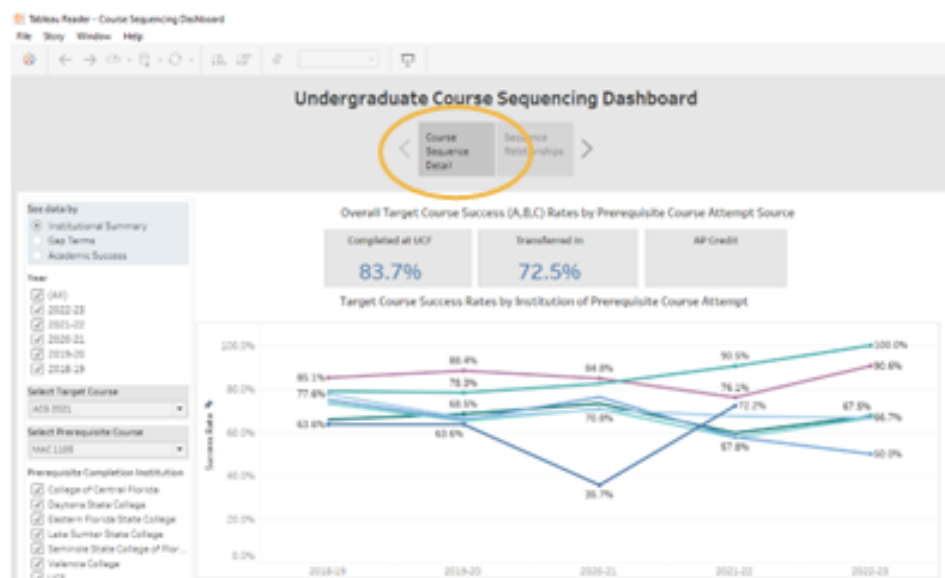


The file will (most likely) be located in your "Downloads" folder.



# COURSE SEQUENCING DASHBOARD

## Course Sequence Detail



## COURSE SEQUENCE DETAIL

See data by

- Institutional Summary
- Gap Terms
- Academic Success

Year

- (All)
- 2022-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

Select Target Course

EGN 3373

Select Prerequisite Course

JWR 2049

Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor..
- Valencia College
- UCF
- Other FCS
- Other
- AP

College of Central Florida

Daytona State College

Eastern Florida State College

Lake Sumter State College

Seminole State College of Flor..

Valencia College

UCF

See data by

- Institutional Summary
- Gap Terms
- Academic Success

The different ways the data are analyzed.



Click on the "definitions" button at the bottom, left of the dashboard for more information and descriptions of the data outputs.

## COURSE SEQUENCE DETAIL

See data by

- Institutional Summary
- Gap Terms
- Academic Success

Year

- (All)
- 2022-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor..
- Valencia College
- UCF
- Other FCS
- Other
- AP

College of Central Florida

Daytona State College

Eastern Florida State College

Lake Sumter State College

Seminole State College of Flor..

Valencia College

UCF

These examples will look at three years of data.

Note: Data are updated annually (in summer), so 2022-23 data will be available in summer 2023.

Keep an eye out for updates on the Teams channel.



## COURSE SEQUENCE DETAIL

See data by  
 Institutional Summary  
 Gap Terms  
 Academic Success

Year

- (All)
- 2020-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

Select Target Course

EGN 3373

Select Prerequisite Course

PHY 2049

Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor...
- Valencia College
- UCF
- Other FCS
- Other
- AP

College of Central Florida

Daytona State College

Eastern Florida State College

Lake Sumter State College

Seminole State College of Flori..

Valencia College

UCF

The "Target" course is the UCF course being assessed.

Select Target Course

EGN 3373

Select Prerequisite Course

PHY 2049

Prerequisite courses do not need to be actual prerequisites, they are courses that provides some foundational knowledge upon which the target course is dependent.

## COURSE SEQUENCE DETAIL

See data by  
 Institutional Summary  
 Gap Terms  
 Academic Success

Year

- (All)
- 2020-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

Select Target Course

EGN 3373

Select Prerequisite Course

PHY 2049

Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor...
- Valencia College
- UCF
- Other FCS
- Other
- AP

College of Central Florida

Daytona State College

Eastern Florida State College

Lake Sumter State College

Seminole State College of Flori..

Valencia College

UCF

Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor...
- Valencia College
- UCF
- Other FCS
- Other
- AP

College of Central Florida

Daytona State College

Eastern Florida State College

Lake Sumter State College

Seminole State College of Flori..

Valencia College

UCF

Results can be filtered by specific institution and institutional information can be compared.

## EXAMPLE DATA SETS

Target	Prerequisite
<b>EGN 3373</b> Prin of Electrical Engineering	<b>PHY 2049</b> Physics with Calculus II
<b>ACG 2021</b> Prin of Financial Acct	<b>MAC 1105</b> College Algebra
<b>PCB 3063</b> Genetics	<b>CHM 2046</b> General Chemistry II

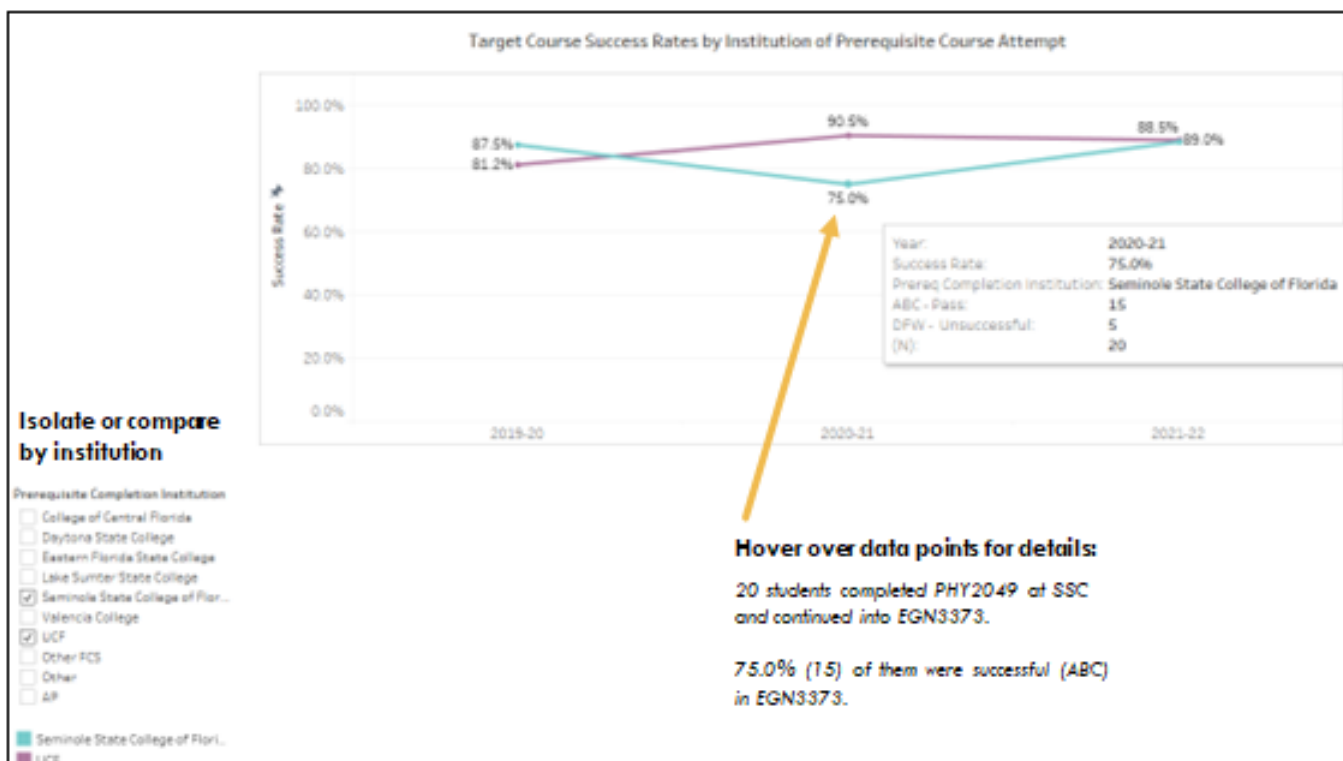
*Remember:* Target is the course taken at UCF.  
Prerequisite is the course taken at any institution and *these are the courses discussed through Curriculum Alignment.*

## INSTITUTIONAL SUMMARY

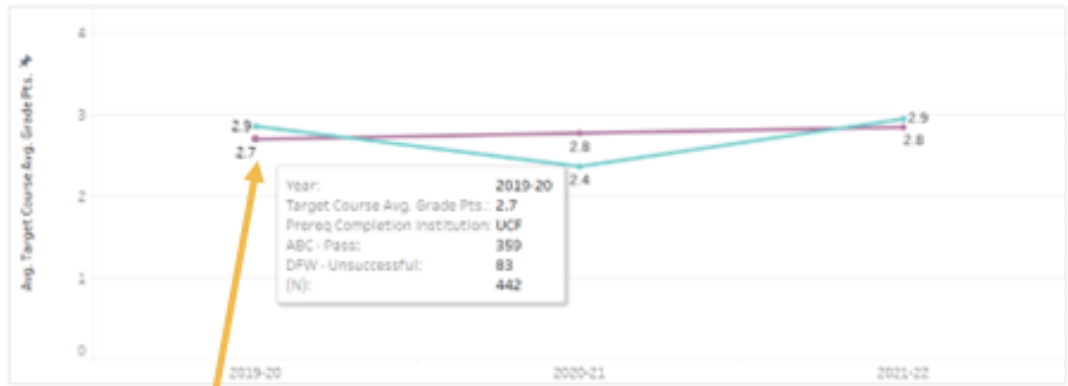
- Of the students who completed PHY2049 (at either a partner college or UCF), how did they do in EGN3373 at UCF?
- How do partner college attempts at PHY2049 compare to the students who attempted it at UCF?

The screenshot shows a filter interface with the following elements:

- See data by:** A radio button selection menu with three options: "Institutional Summary" (selected), "Gap Terms", and "Academic Success". An arrow points to this section.
- Year:** A list of years with checkboxes: "(All)", "2022-23", "2021-22", "2020-21", "2019-20", and "2018-19". The years "2021-22", "2020-21", and "2019-20" are checked and circled in orange. An arrow points to this section.
- Select Target Course:** A dropdown menu showing "EGN 3373". An arrow points to this section.
- Select Prerequisite Course:** A dropdown menu showing "PHY 2049". An arrow points to this section.



Student Average Grade Point Performance by Institution of Prerequisite Course Attempt



Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor...
- Valencia College
- UCF
- Other FCS
- Other
- AP

- Seminole State College of Flor.
- UCF

442 students completed PHY2049 at UCF and had an Average Grade Point of 2.7 in EGN3373

## GAP TERMS

- These data answer the “recency” question: How does a gap in time between attempts in the prerequisite and target course impact the target course’s grade?
- What is the gap in time between MAC1150 and ACG2021, and how does this affect performance in ACG2021?

See data by

- Institutional Summary
- Gap Terms
- Academic Success

Year

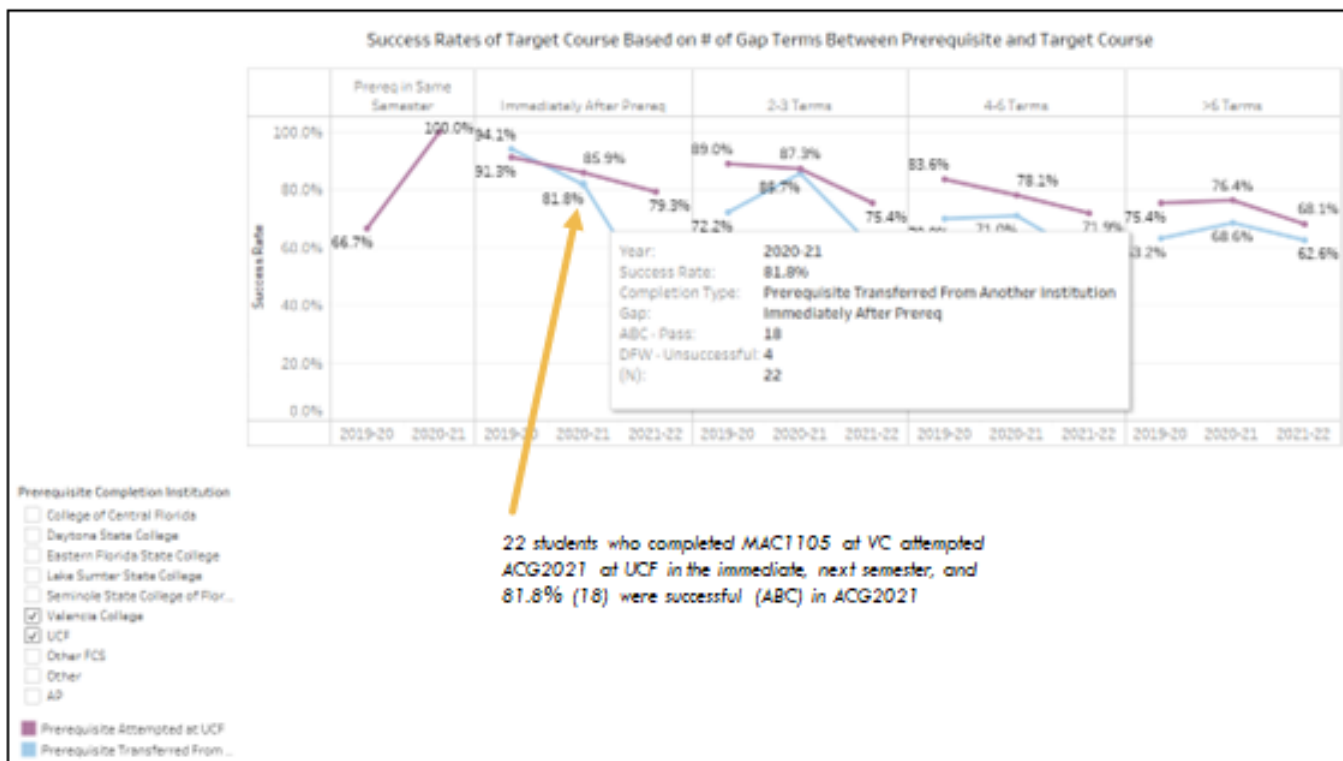
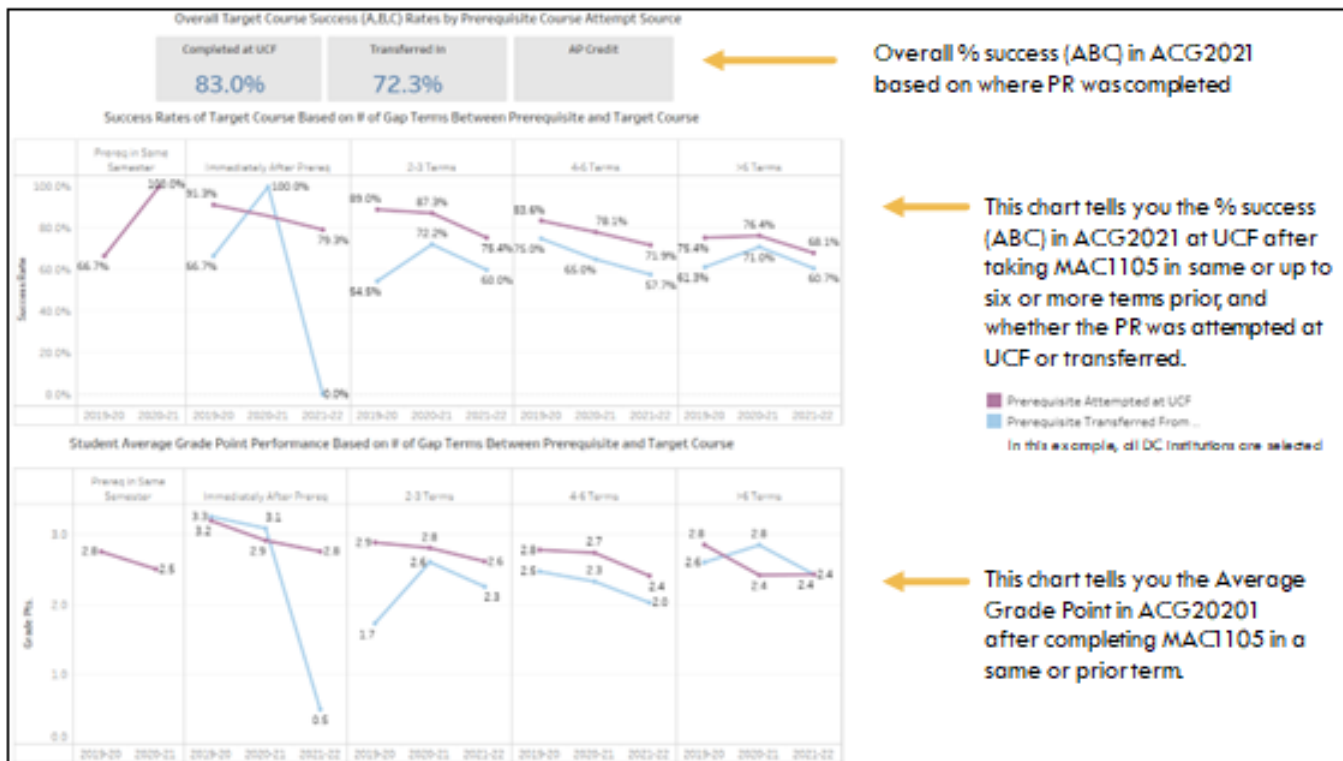
- (All)
- 2022-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

Select Target Course

ACG 2021

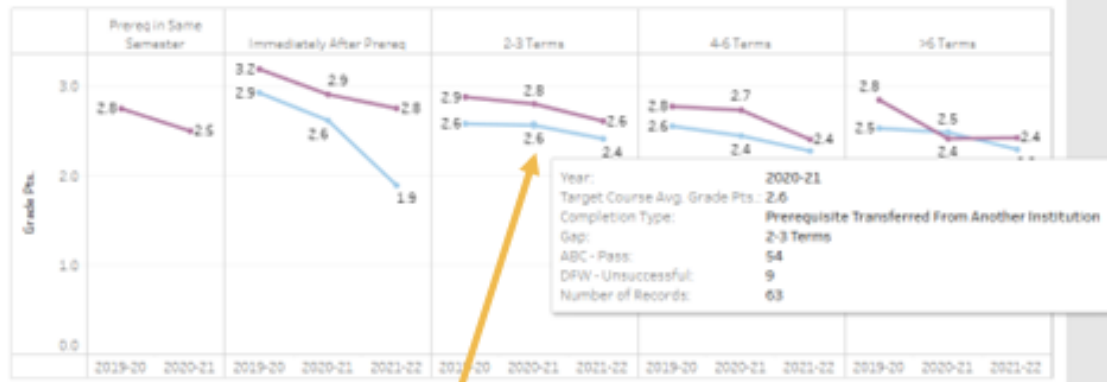
Select Prerequisite Course

MAC 1105





Student Average Grade Point Performance Based on # of Gap Terms Between Prerequisite and Target Course



Prerequisite Completion Institution

- College of Central Florida
- Daytona State College
- Eastern Florida State College
- Lake Sumter State College
- Seminole State College of Flor...
- Valencia College
- UCF
- Other FCS
- Other
- AP

- Prerequisite Attempted at UCF
- Prerequisite Transferred From ...

Of 63 students who completed MAC1105 at VC and waited two- to three-terms before attempting ACG2021 at UCF, they earned a 2.6 GPA in ACG2021

## ACADEMIC SUCCESS

- How successful are students in PCB3063 based on their prerequisite background in CHM2046?
- What does the prerequisite grade in CHM2046 tell me about performance in PCB3063?

See data by

- Institutional Summary
- Gap Terms
- Academic Success

Year

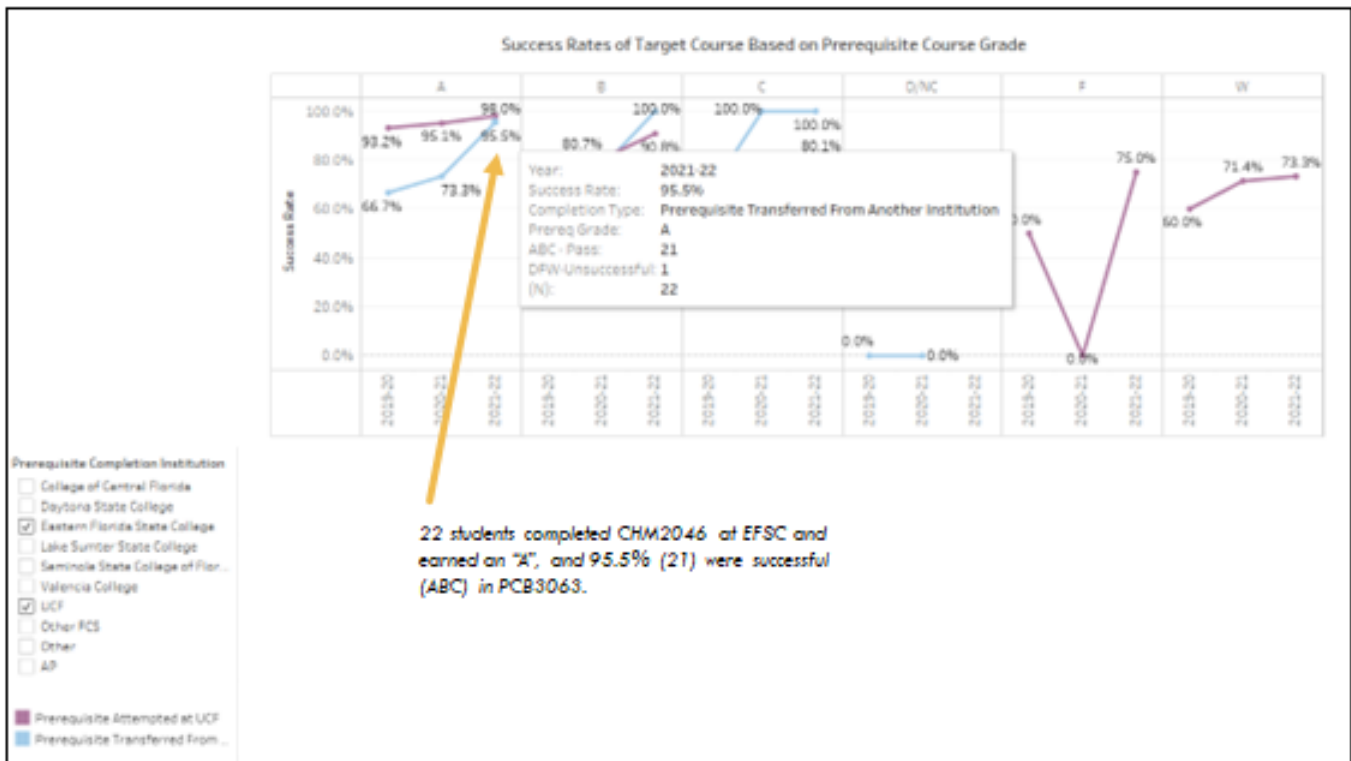
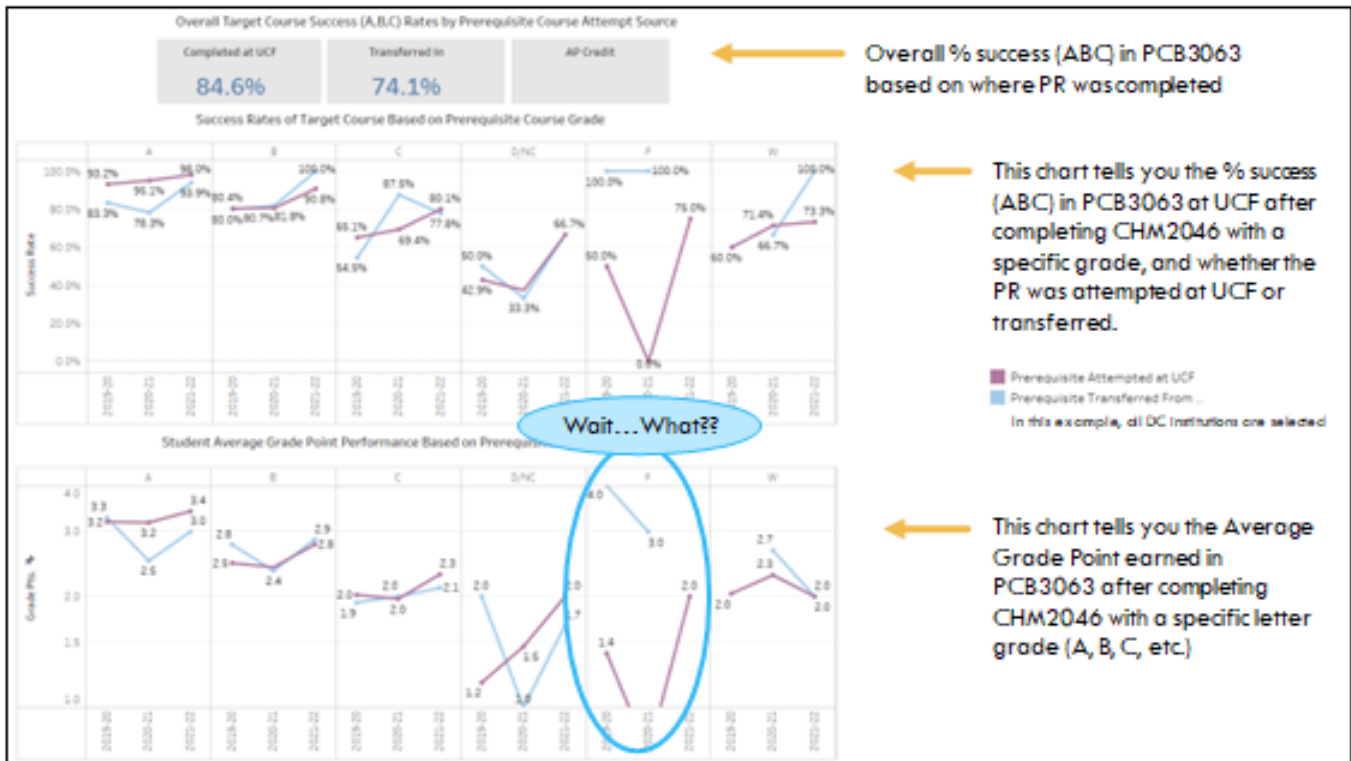
- (All)
- 2022-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

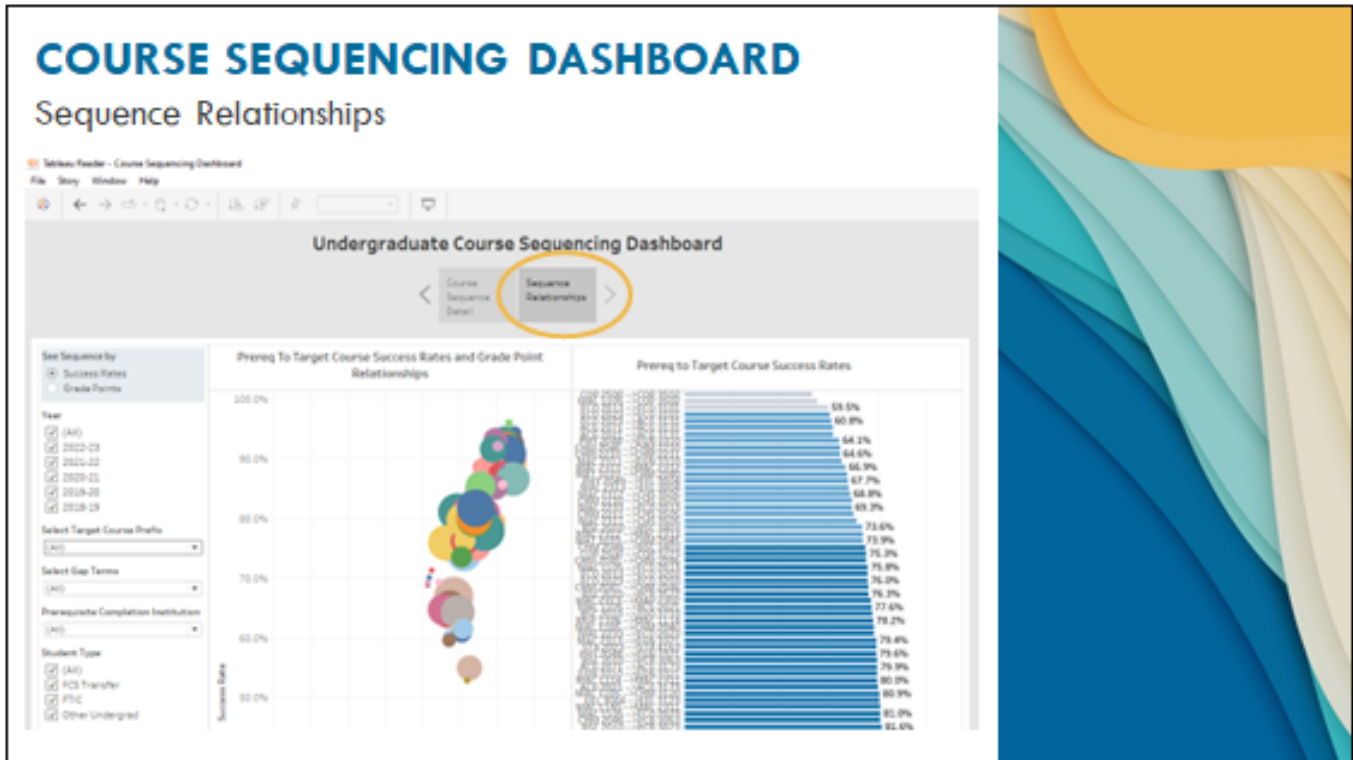
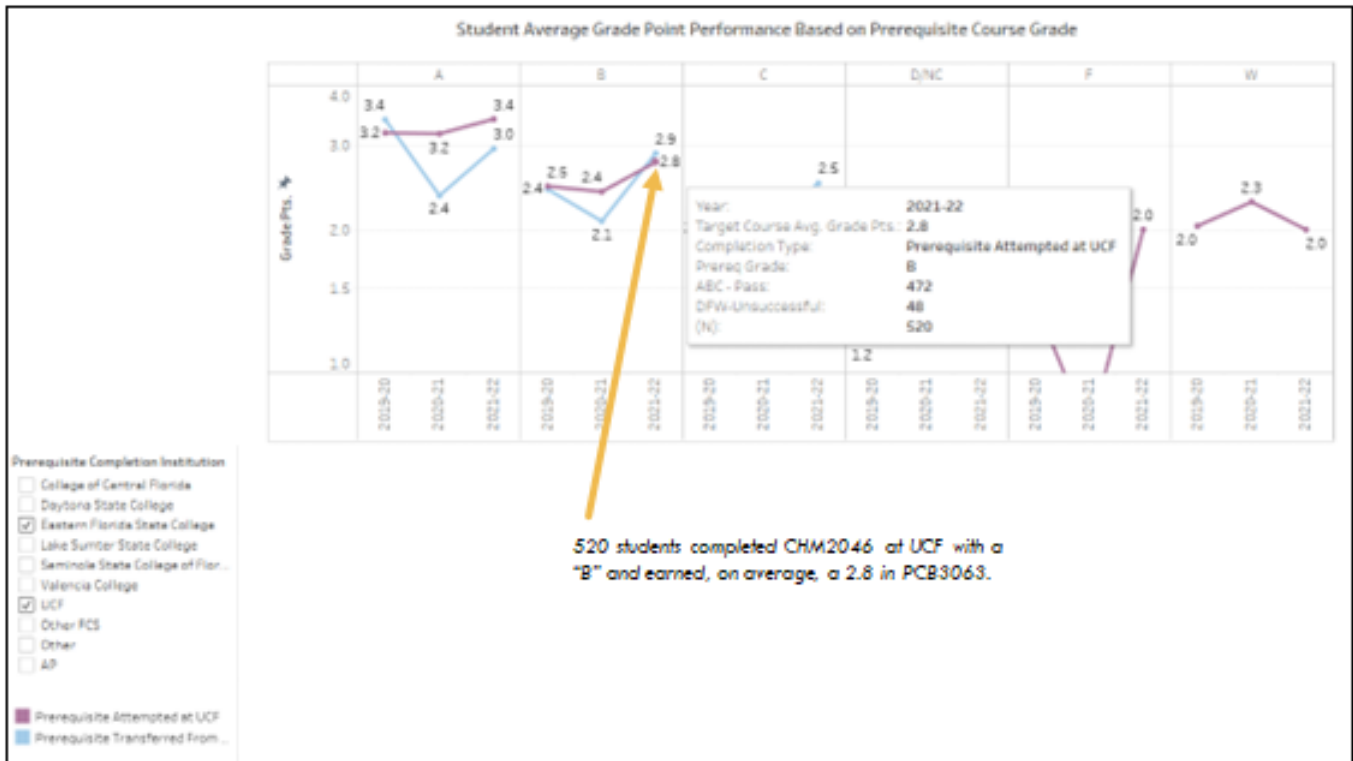
Select Target Course

PCB 3063

Select Prerequisite Course

CHM 2046





## A big picture view of all sequences with multiple options for filtering the data.

### Filtering options:

See Sequence by

- Success Rates
- Grade Points

Year

- (All)
- 2022-23
- 2021-22
- 2020-21
- 2019-20
- 2018-19

Select Target Course Prefix

MAC

Select Gap Terms

(All)

Prerequisite Completion Institution

(All)

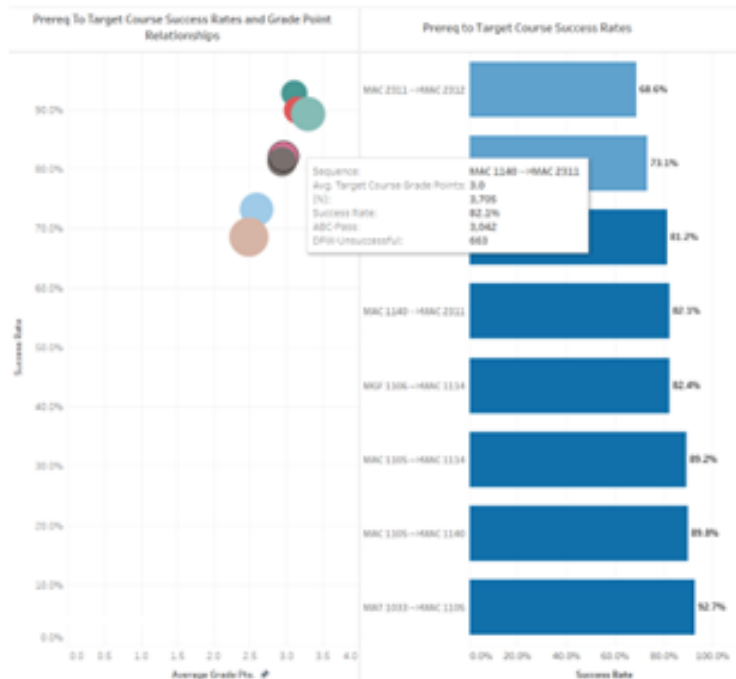
Student Type

- (All)
- PCS Transfer
- RTIC
- Other Undergrad

Prerequisite Grade

- (All)
- A
- B
- C
- D/NC
- F
- W
- AP Grade
- WL

### Output:



## ADDITIONAL DEMO AND Q&A

- What additional sequences should be examined?
  - Lower-level course discussed in alignment
  - Upper-level course offered at UCF
  - Direct prerequisite not required!*
- What else?

### SEQUENCES TO BE ADDED:

- ACG 2071 > ACG 3171
- BSC 2010 > BSC 2011
- COP 3223 > COP 3502C
- PHY 2053 > PHY 2054

**THANK YOU!**

Contact:  
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**[curriculumalignment.ucf.edu](http://curriculumalignment.ucf.edu)**