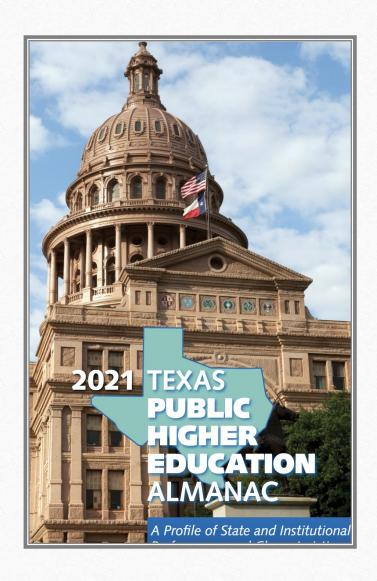
Understanding Data for Student Success Dr. Martha Ellis

CCATT New Trustee Orientation

January 27, 2023

Data Sources

- Your president and college staff
- Texas Higher Education Coordinating Board
- Texas Success Center
- IPEDS (Federal database)
- Postsecondary Employment Outcome Explorer (Census Data)



Texas Higher Education Coordinating Board

How does the Texas Success Center think about data?

We provide actionable data to all colleges

Data privacy and security is paramount

Certain data can be visualized on accessible dashboards

Data should inform college discussions about practice and policy

TEXAS PATHWAYS

Learners
From
Multiple
Entry
Points



Easily shop and select career-focused pathways that include industry-based certificates within the metamajor

Enter



Onboard with a clear initial completion plan which could span less than 6 months

Progress





Gain skills and workrelated experiences in all programs Succeed



Complete credentials in high-demand occupations aligned with further education without the loss of time or credit

Enter
Good
Careers
with
Living
Wages
&
Further
Education
Plan

A Statewide Systemic Strategy that Starts with Students' End Goals.

1. Map Paths to Student End Goals

- Multiple entry points
- Default program maps
- Completion, further education, employment
- Guides through transitions and transfer

2. Help Students Choose and Enter a Program Path

- College readiness in 1st year
- Career exploration
- Early contextualization
- Accelerated remediation for most poorly prepared

Texas Pathways

Four Pillars of Essential Practices

3. Keep students on paths

- Strong, inescapable advising
- Clarity for education and career choices
- Predictable schedules
- Early intervention
- Academic and non-academic support

4. Ensure students are learning

- Program learning outcomes aligned with careers and further education
- Internships and apprenticeships
- Active culturally competent teaching practices

Key Question:

How are students doing as measured by key performance indicators?

Community College Indicators



Job Placement



Completion



Milestone Attainment-15 hours in year one (units, interim certificates, etc.)



Term to Term Persistence



Completing 6 + hours in term 1



Course Retention and Course Success (all non-withdrawals) (A-C)



Enrollment

Lagging

Low Influence

Early Momentum Metrics

High Influence

Leading

Earned 6 or More College-Level Credits in Term 1 ıways

Key Performance Indicator Dashboards

- Connect Dashboard
- Enter Dashboards
- Progress Dashboards
- Succeed Dashboards

Impact of Texas Pathways Strategy

More Students Are Meeting Early Momentum Milestones

Percent of FTIC Students Attaining EMMs and Change from 2015-2020

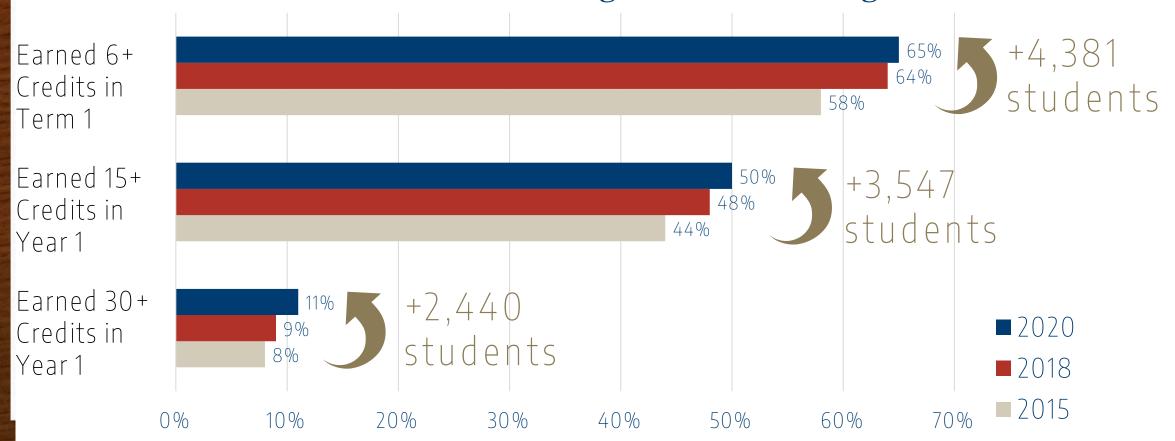
	Early Momentum Metric	2015 %	2018 %	2020 %	Percentage Change 2015- 2020	Percentage Point Difference 2015 - 2020
Enter	Earned 6+ credits in Term 1	58%	64%	65%	12%	+7%***
	Completed Math in Year 1	29%	34%	38%	30%	+9%***
	Completed Reading in Year 1	54%	59%	58%	8%	+4%***
	Completed Writing in Year 1	46%	53%	53%	15%	+7%***
	Completed All Subjects in Year 1	20%	25%	28%	39%	+8%***
Progress	Persisted from Term 1 to 2	76%	76%	72%	-5%	-4%***
	Earned 15+ credits in Year 1	44%	48%	50%	13%	+6%***
	Earned 30+ credits in Year 1	8%	9%	11%	40%	+3%***

Note. *** p < .001, N = 50 community college districts

Texas Pathways Impact:

More Students Are Meeting Early Momentum Milestones

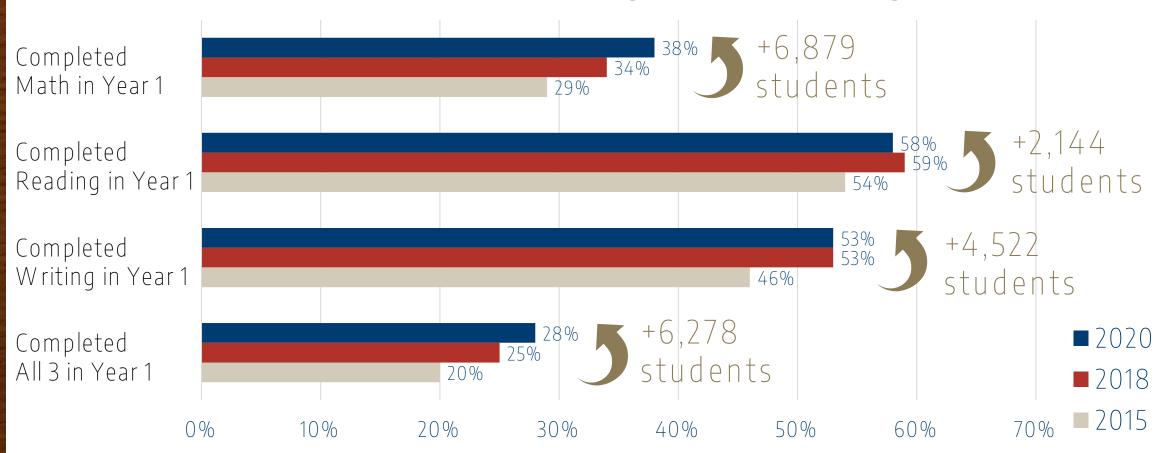
Percent of First-Time-In-College Students Meeting Milestone



Texas Pathways Impact:

More Students Are Meeting Early Momentum Milestones

Percent of First-Time-In-College Students Meeting Milestone



Key Question:

In what programs are

students enrolled?

Enrollment by Program Dashboard



Race/ethnicity u..

Race/ethnicity u..
Race/ethnicity u..

White Women

American Indian ... Two or more rac..

American Indian ... Two or more rac..

American Indian ... Two or more rac..

Asian Total White Total

Black or African ... Other or Race/et...

Black or African ... Other or Race/et...

Black or African ... Other or Race/et...

Program Specificity

Program Area

Student Type Race/Ethnicity Measure Type Percent of Students

Bar Chart

Men

Color Legend
Total

Asian Women

Hispanic or Latin..
Hispanic or Latin..
Hispanic or Latin..
Native Hawaiian ..
Native Hawaiian ..
Native Hawaiian ..
Norresident Total
Nonresident Men
Nonresident Wo..

Enrollment by Program
Top 25 Programs by Headcount (Fall 2020)

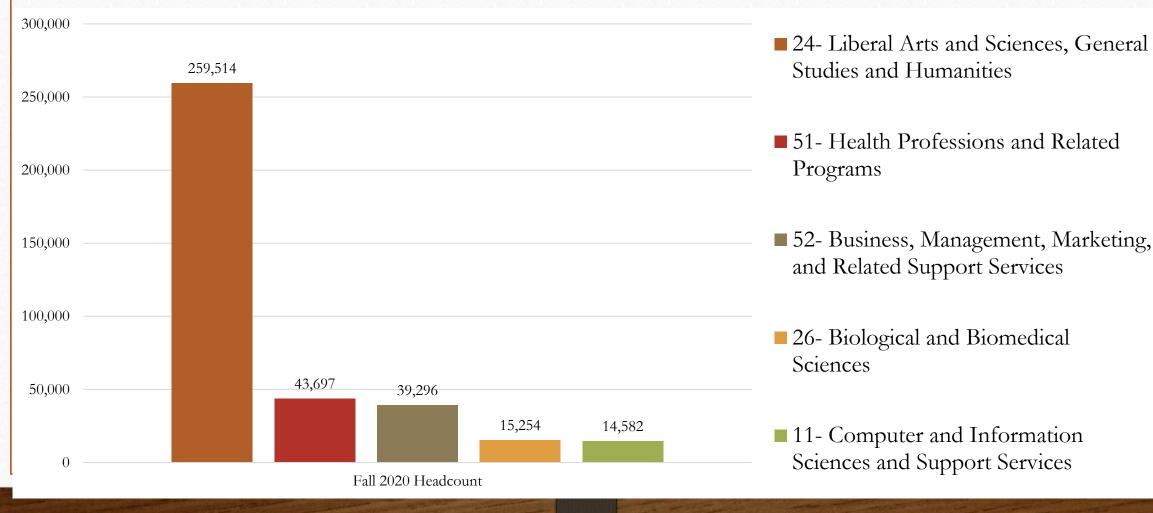
Institution

Texas Success Center 80% 60% 50% 10%

Round 2 Cadre

Data Source: Direct from colleges. Colleges reported top-enrolled programs by headcount. This dashboard does not show total enrollment.

Top 5 Programs by Enrollment

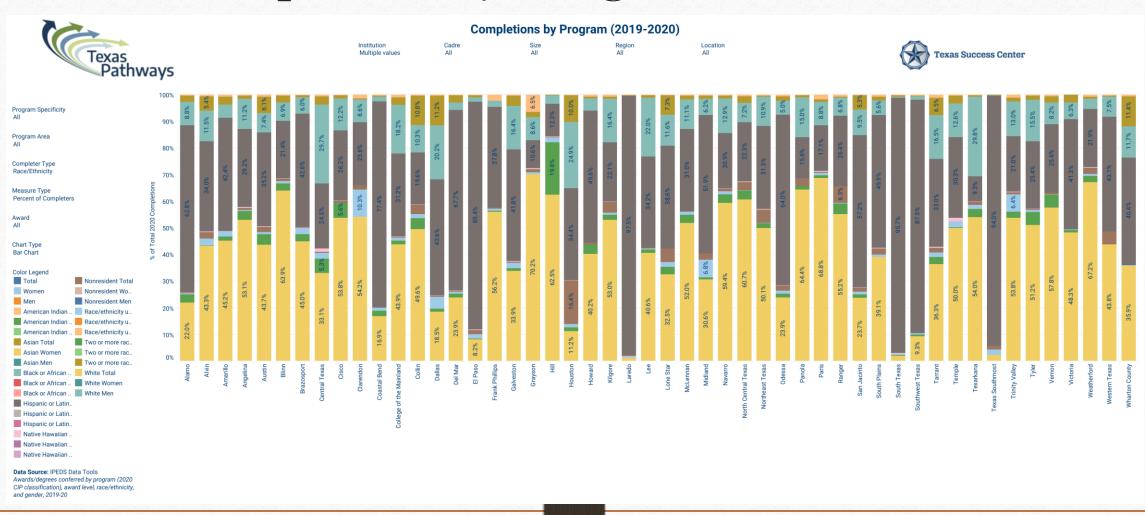


Key Question:

What programs do

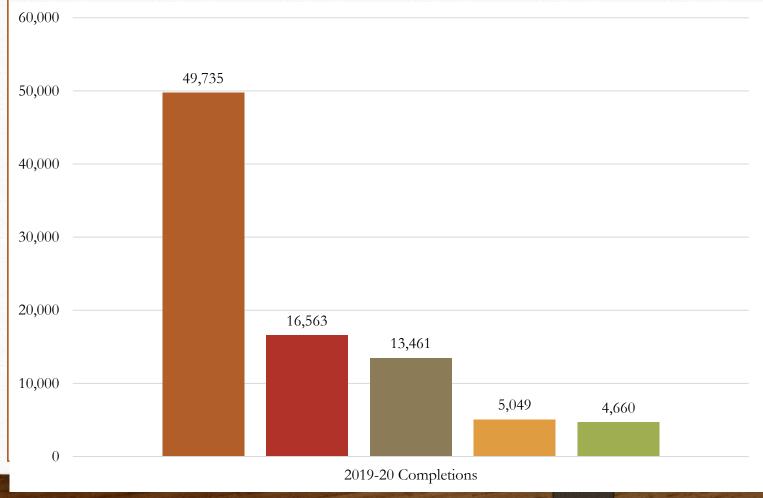
students complete?

Completion by Program Dashboard



Top 5 Programs by Completion

2019 – 2020 Certificates and Degrees



- 24- Liberal Arts and Sciences, General Studies and Humanities
- 51- Health Professions and Related Programs
- 52- Business, Management, Marketing, and Related Support Services
- 11- Computer and Information Sciences and Support Services
- 43- Homeland Security, Law Enforcement, Firefighting, and Related Services

Key Considerations for Dashboard Data

The KPI dashboards present data for fall cohorts of first-time-in-college, degree-seeking students

The KPI dashboards do not contain problems or solutions

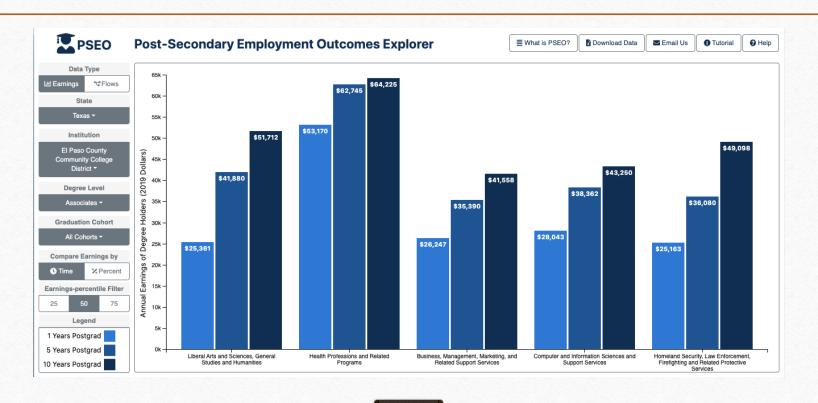
Additional data – surveys, interviews, focus groups, observations – is necessary for context

Key Question:

What are the employment outcomes for students by program area?

Employment Outcomes by Program

PSEO Maintained by US Census Bureau



Projections

- <u>Texas Workforce Commission</u>—Projections
- Texas Association of Community Colleges
 - Regional Labor Market

Regional Labor Market Insights

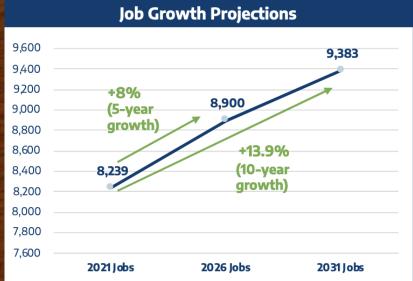


Key Occupation: Aircraft Mechanics and Service Technicians

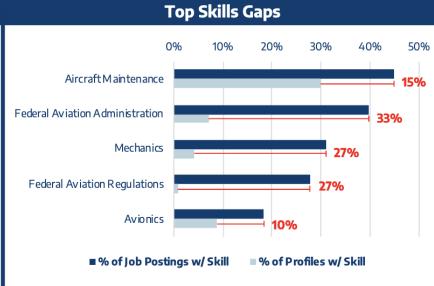


Region: North Texas

Unique Job Postings: 554







Common Qualifications Top Industry Sectors Automation Risk Top Employers Security Clearance Transportation and Warehousing State of Texas Secret Clearance Global Medical Response Manufacturing 101.2 Security Identification Display Area Public Administration Airbus (SIDA) Badge Health Care and Social Assistance Gulfstream Aerospace Average • Professional, Scientific, and Technical Airport Security Clearance Textron 100 200 Top Secret-Sensitive Compartmented Services Information (TS/SCI Clearance)

Answers						
Top 5 Programs by Enrollment: 1. Liberal Arts and Sciences 2. Health Professions 3. Business, Management, Marketing 4. Communications and Journalism 5. Biology and Biomedical Sciences						
American Indian Asian Black or African American Hispanic or Latino		36 182 1804 2800		7% 7.1% 5.5%		
Nonresident Two or more Unknown White	50 409 166 3124		9% 6%			
American Indian	Liberal A&S 0.4%	Health Prof	Business 0.6%	Comm Journ 0.8%	Biology	
Asian Black or African American	1.7% 15.6%	1.2%	1.4% 19.0%	1.8%	3.0% 15.2%	
Hispanic or Latino Nonresident Two or more Unknown	28.6% 0.6% 4.0% 1.9%	22.9% 0.3% 3.7% 1.6%	24.9% 0.9% 3.0% 1.2%	31.1% 0.5% 5.1% 3.0%	30.2% 0.5% 4.6% 1.9%	
	Top 5 Programs by En 1. Liberal Arts a 2. Health Profe 3. Business, Ma 4. Communicat 5. Biology and I American Indian Asian Black or African Ame Hispanic or Latino Nonresident Two or more Unknown White American Indian Asian Black or African Hispanic or Latino Nonresident Two or more Unknown White	Top 5 Programs by Enrollment: 1. Liberal Arts and Science 2. Health Professions 3. Business, Management 4. Communications and 5. Biology and Biomedicate American Indian Asian Black or African American Hispanic or Latino Nonresident Two or more Unknown White Liberal A&S American Indian Asian Black or African Indian Asian Unknown White Liberal A&S American Indian Asian Asian I.7% Black or African American Hispanic or Latino Nonresident Two or more Asian American Hispanic or Latino Nonresident Two or more A.0%	Top 5 Programs by Enrollment: 1. Liberal Arts and Sciences 2. Health Professions 3. Business, Management, Marketin 4. Communications and Journalism 5. Biology and Biomedical Sciences American Indian Asian Black or African American Hispanic or Latino Unknown Un	Top 5 Programs by Enrollment: 1. Liberal Arts and Sciences 2. Health Professions 3. Business, Management, Marketing 4. Communications and Journalism 5. Biology and Biomedical Sciences American Indian Asian Black or African American Hispanic or Latino 2800 26 Nonresident 50 0. Two or more 409 3. Unknown 166 1. White Liberal Health Business A&S Prof American Indian 0.4% 0 0.6% Asian 1.7% 1.2% 1.4% Black or African Asian 1.7% 1.2% 1.4% Black or African American Hispanic or Latino 28.6% 22.9% 24.9% Nonresident 0.6% 0.3% 0.9% Two or more 4.0% 3.7% 3.0%	Top 5 Programs by Enrollment: 1. Liberal Arts and Sciences 2. Health Professions 3. Business, Management, Marketing 4. Communications and Journalism 5. Biology and Biomedical Sciences American Indian Asian Black or African American Hispanic or Latino 2800 26.5% Nonresident 50 0.5% Two or more 409 3.9% Unknown 166 White Liberal Health Business Comm Journ A&S Prof A&S Prof AMERICAN I.2% Asian 1.7% Liberal Health Business A&S Prof Black or African A Sian 1.7% 1.2% 1.4% 1.8% Black or African American Hispanic or Latino 28.6% 22.9% 24.9% 31.1% Nonresident 0.6% 0.3% 0.9% 0.5% Two or more 4.0% 3.7% 3.0% 5.1%	

Questions	Answers						
What are the top 5 programs (by 2-digit CIP) with the highest completions?	Top 5 Programs by Completion: 1. Liberal Arts and Sciences 2. Health Professions 3. Business/Management/Marketing 4. Mechanic and Repair Technologies/Technicians 5. Homeland Security, Law Enforcement, Firefighting						
What is the overall number and percentage distribution of students completing awards in all programs for each racial/ethnic category at your college?	American Indian Asian Black or African American Hispanic or Latino Nonresident Two or more Unknown White		6 36 343 563 10 104 17 1136	1 1 2 0 0	0.3% 6% 5.5% .5.4% 0.5% 8% 0.8%		
How are completions to distributed by race/ethnicity in the top 5 programs?	American Indian Asian Black or African American Hispanic or Latino Nonresident Two or more Unknown White	Liberal A&S 0.1% 1.3% 18.2% 27.4% 1.2% 5.8% 1.0% 44.7%	Health Prof 0.3% 1.5% 16.2% 21.3% 0 2.5% 1.3% 56.8%	Business 0.7% 2.0% 9.2% 26.8% 0.7% 2.0% 0.7% 58.2%	Mech Repair 0 .9% 8.4% 31.8% 0 4.7% 0 54.2%	Homeland Law Enfor 0 0 17.3% 22.1% 0 9.6% 0 51.0%	

Questions	Answers						
What are the top 5 programs (by 2-digit CIP) with the highest completions?	Top 5 Programs by Completion: 1. Liberal Arts and Sciences 2. Health Professions 3. Business/Management/Marketing 4. Mechanic and Repair Technologies/Technicians 5. Homeland Security, Law Enforcement, Firefighting						
What is the overall number and percentage distribution of students completing awards in all programs for each racial/ethnic category at your college?	American Indian Asian Black or African A Hispanic or Latino Nonresident Two or more Unknown White	36 African American 343 or Latino 563 lent 10 nore 104		1 1 2 0 4	3% 6% 5.5% 5.4% 5% 8% 8% 1.2%		
How are completions to distributed by race/ethnicity in the top 5 programs?	American Indian Asian Black or African American Hispanic or Latino Nonresident Two or more Unknown	Liberal A&S 0.1% 1.3% 18.2% 27.4% 1.2% 5.8% 1.0%	Health Prof 0.3% 1.5% 16.2% 21.3% 0 2.5% 1.3%	Business 0.7% 2.0% 9.2% 26.8% 0.7% 2.0% 0.7%	Mech Repair 0 .9% 8.4% 31.8% 0 4.7%	Homeland Law Enfor 0 0 17.3% 22.1% 0 9.6%	

What is a Board to do?

- Understanding the data
- What actions do we take?
- Setting the direction and creating the culture to support CEO to take action