

Career & Technical Education College, Career, & Military Readiness Effectiveness Report

June 23, 2022



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ASPIRE. ADVANCE. ACHIEVE.

GET REAL with 23 CTE OPPORTUNITIES

- | | |
|---|---|
| 1. Accounting and Financial Services* | 13. Design and Multimedia Arts* |
| 2. Advanced Manufacturing and Machinery Mechanics* | 14. Digital Communications* |
| 3. Animal Science* | 15. Early Learning* |
| 4. Applied Agricultural Engineering* | 16. Family and Community Services* |
| 5. Architectural Design* | 17. Healthcare Diagnostics (EMT)* |
| 6. Aviation and Aeronautics Academy | 18. Healthcare Therapeutic (CMA)* |
| 7. Biomedical Sciences Academy | 19. Networking Systems* |
| 8. Business Management* | 20. Plant Science* |
| 9. Business Management and Entrepreneurship Academy | 21. Programming and Software Development* |
| 10. Cosmetology Academy | 22. STEM Academy |
| 11. Creative Media Production Academy | 23. Teaching and Training* |
| 12. Culinary Arts and Hospitality Academy | |
- *Programs of Study available at all comprehensive high school campuses

Learn more about NISD's 23 CTE Opportunities!

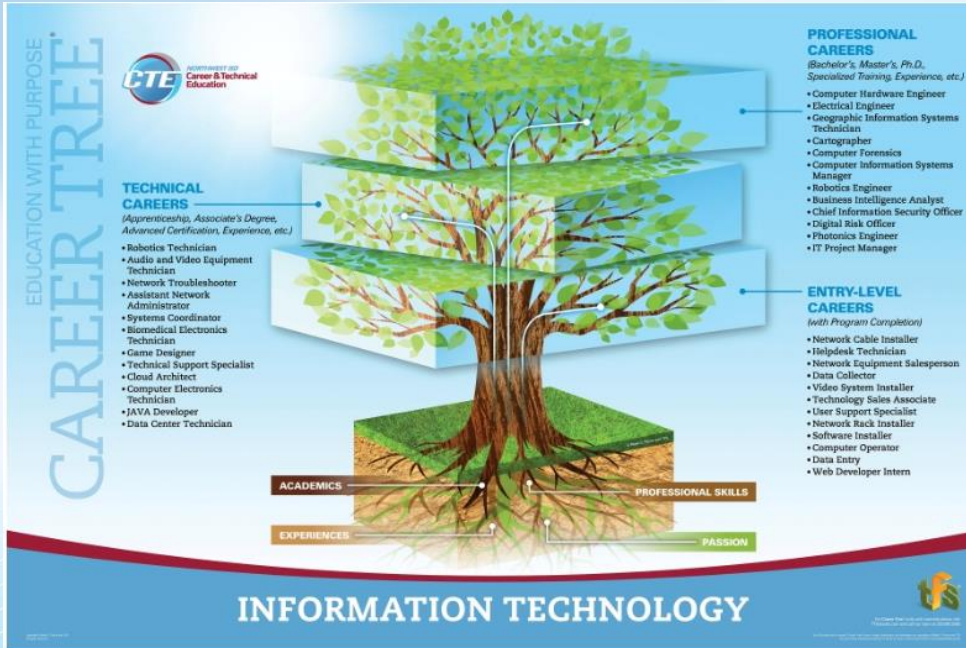
Visit our website nisdtx.org/cte

Follow us! @nisdcte



We offer 23 different opportunities in the way of programming. Many of these opportunities have additional programs of study

Example: Creative Media Productions Academy is 1 opportunity that has three distinct programs of study in graphic design, TV/film, and commercial photography.



EVERY NISD campus K - 12 has a set of Career Trees to use with students!

All of our programming is designed to support the root system of our tree with strong academics, professional skills, and experiences.

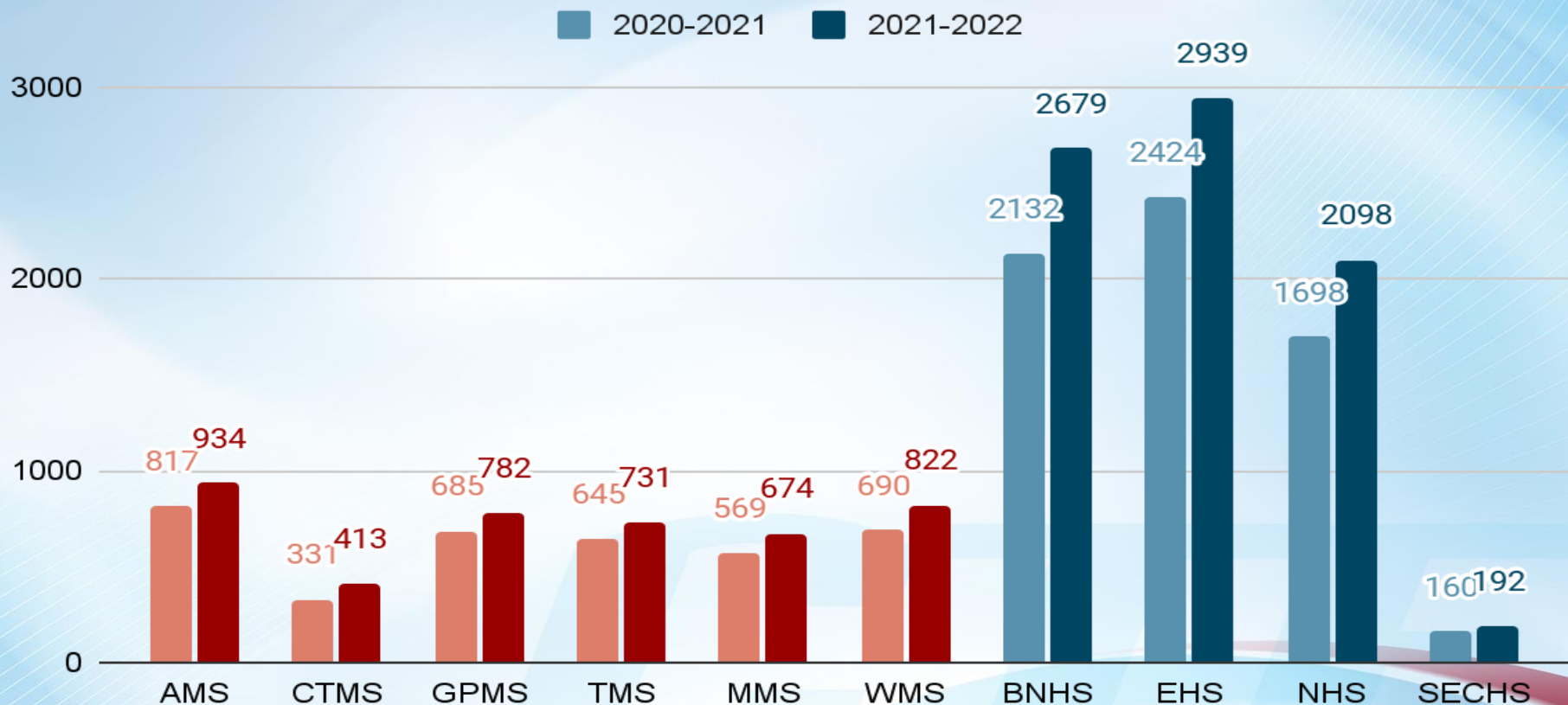
Building real skills NOW!



We offer four levels of courses for every program of study

These icons represent how each program of study evolves for a student to prepare to meet the demands of the root system of the career tree. The NISD Academic Guide displays these icons to inform and guide students' decisions.

Student Enrollment



District Goals



College, Career, and Military Readiness

The percent of graduates that meet the criteria for CCMR will increase from 78% to 82% by 2024.

	2020 (2019 graduates)	2021 (2020 graduates)	2022 (2021 graduates)	2023 (2022 graduates)	2024 (2023 graduates)
Goal	78%	80%	81%	82%	82%
Actual	78%	69%	68%	tbd	tbd
New CCMR Indicators	55%	59%	68%	tbd	tbd

CCMR Indicator Change

CCMR Indicator Change	Description	Impact	Adaptation
CTE Concentrators (enacted 2020)	The State no longer gives credit for concentrators, only completers.	No longer receive credit of .5 points on every child taking only 2 CTE Courses	Strong alignment of Programs of Study so that students stay in our programs for 3 or more courses equalling 4 or more credits to achieve CTE completer status.
College Testing Admission Requirements (enacted 2020)	Universities & Colleges waived the SAT and ACT requirement for admission due to pandemic.	Fewer students were willing to sit for the ACT/SAT exams.	Increased efforts to promote the TSIA and administer the TSIA during school day and online through Zoom and Examity. The number of students taking the TSIA doubled and has continued to increase since.
Military (enacted 2020)	The State removed credit for students who enlist/enter Military.	Minimal impact, but does result in a slight reduction in credit	TEA is working with the DOD to have military enlistments reported directly. In the meantime, we are still attempting to collect military enlistments from students on our own so we will have a process in place to collect the information in the event the collection expectation is placed back on districts.
COVID Pandemic (Greatest impact on 2021 Graduates)	Decrease in Certification testing ability, TSI/ACT/SAT testing coupled with indicator changes resulted in large impact.	Dip in Overall Achievement from 78% to 69%	Virtual proctoring of exams, summer certification labs, returned to strong ibc certification focus with return to school post-pandemic.

CCMR Comparison Data

College, Career, and Military Readiness			
	2020 (actually 2019 graduates)	2021 (actually 2020 graduates)	2022 (actually 2021 graduates)
NISD ISD	78%	69%	68%
Keller ISD	76%	64%	<i>Unavailable</i>
Eagle-Mountain Saginaw	67%	53%	<i>Unavailable</i>
Fort Worth ISD	63%	62%	<i>Unavailable</i>
Denton ISD	75%	63%	<i>Unavailable</i>
State of Texas	73%	63%	<i>Unavailable</i>
Region 11	69%	60%	<i>Unavailable</i>

District Goals - Sub-pops

College, Career, and Military Readiness The percent of graduates that meet the criteria for CCMR will increase from 78% to 82% by 2024.						
	2020	2021 (Actual)	Goal 2022	Actual 2022 (2021 Grads)	2023	2024
African-Am	60.9%	64% (63%)	67%	48%	68%	75%
Hispanic	64.3%	68% (63%)	70%	58%	70%	75%
White	75.8%	78% (78%)	79%	71%	79%	80%
Am. Indian	45.5%	65% (92%*)	66%	83%	66%	70%
Asian	92.8%	97% (85%)	98%	79%	98%	98%
Pacific Island	100%	100% (50%*)	100%	25%*	100%	100%
2+ Races	63.3%	70% (25%*)	71%	25%*	71%	71%

*Low numbers

District Goals - Sub-pops:

College, Career, and Military Readiness The percent of graduates that meet the criteria for CCMR will increase from 78% to 82% by 2024.						
	2020	2021 (Actual)	Goal 2022	Actual 2022 (2021 Grads)	2023	2024
SpEd (current)	61.9%	65% (42%)	66%	64%	66%	67%
Eco Dis	57.7%	60% (57%)	61%	51%	63%	65%
ELL	16.7%	50% (39%)	51%	46%	51%	51%
SpEd (former)	38.5%	45% (36%)	46%	48%	46%	46%
Cont. Enrolled	75.2%	78% (72%)	79%	72%	79%	79%
N-Cont Enrolled	58.8%	65% (52%)	66%	42%	66%	66%



WE CERTIFY HERE.



American Welding Society®



EC-Council Associate



Certification Growth:

2015 = 83

2018 = 3,086

2020 = 3,243

2021 = 3,457

2022 = 4,151

4,000+



Internships

At Northwest ISD CTE, we believe every student should get real: real academics, real skills, and a real high school experience unlike any other. By combining strong academics with robust career-minded education, we expand students' options and opportunities to make them truly future ready. Together with parents, business leaders and the community, we challenge all students to aspire to their full potential, advance with rigorous academic and technical skills, and achieve a real-world competitive advantage.

The Internship program is designed to expose students to real world situations and develop skills that will prepare them to make decisions about their post-secondary future. It is the capstone course for students that are completing a coherent sequence of courses within their specific career pathway and it is divided into three important components: classroom instruction, workplace instruction, and credentialing certifications.



Program Objectives:

- To assist students in making career choices - This includes exploring today's job market, setting personal goals, and developing an individual career portfolio.
- To assist students in basic workplace practices - This includes safety, workplace ethics, communication skills, and professionalism training.
- To assist students in professional development - This includes work relationship training, leadership skill development, problem-solving and thinking-skill development, technology applications, and time management skill development.
- Students will work toward industry recognized certifications in their field of study (examples: OSHA, CVA Level I and Microsoft certifications)

If you are interested in becoming an instructional worksite for our interns, please let us know and we will contact you with more details!



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Career & Technical
Education

Over **400** students received internship or field experiences this year with more than **60** business and industry partners.

PROUD
INTERN PARTNER
FOR **NORTHWEST ISD**





Student Enterprises



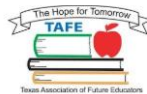
The competitive advantage starts at home.

We offer student run business opportunities to practice our real skills while giving back to our community.

Soon



Student Organizations



Making a name for NISD CTE State & Nationally!

Our Career and Technical Student Organizations are designed to help students take theoretical learning and technical skills and apply them in competitive settings, while promoting scholarship and achievement.

CTE Student Competition Results

State & Nationally Recognized Competitors



- **TAFE - Education Programs**

- BNHS - 4 State Champions competing in Nationals June 23 - 25th in Washington, D.C.

- **FFA - Ag Programs**

- EHS 9th in State
- BNHS - 14th in State

- **STN - CMP Academy**

- 4th in the Nation for Virtual Storytelling

- **HOSA - Health Science Programs**

- BNHS - 3 State Qualifiers

- **VEI - BME Academy**

- All 3 Companies are Top 50 in Nation
- 3 Teams placed Top 25 in Nation
- Social Media Team 5th in Nation
- Virtual Business Team 4th in Nation

- **DECA - Business Programs**

- EHS 24 State Qualifiers
- BNHS 7 State Qualifiers

- **FBLA - Business Programs**

- 3 State Champions
- First State Officer elected to serve the State of Texas for the 22-23 School Year

CTE Student Competition Results

State & Nationally Recognized Competitors



- **MOS National Qualifiers - SECHS Business**
 - Competing in June @ Nationals in Grapevine
 - 1st Place at State - Word
 - 1st Place at State - Powerpoint
 - 1st Place at State - Excel
 - 2nd place at State - Excel
 - 3rd place at State - Excel
- **STEM ACE Competition**
 - STEM students won the Architecture, Construction & Engineering Competition
 - 1 Student received a \$5000 Scholarship



CTE Ambassadors

Frequently Asked Questions

What is a CTE Ambassador?

A CTE Ambassador is a student who is "the face" of Career and Technical Education (CTE) in NISD. They champion their CTE program or academy and strive to gain a competitive advantage through this leadership opportunity.

How were CTE Ambassadors nominated?

CTE teachers at each of the four high school campuses nominated up to three students in their program.

What do students "get" out of being a CTE Ambassador?

CTE Ambassadors develop professional skills such as networking, public speaking and leadership, accrue volunteer hours, and network and build friendships across NISD campuses.

What role do CTE Ambassadors play on your campus?

CTE Ambassadors can be beneficial to your campus in a variety of ways: by sharing their story with your teachers/students/parents, giving campus tours, hosting evening events such as CTE Showcase, serving on advisory teams, helping students develop their own competitive advantage.



Our CTE ambassador program has more than 90 students who champion CTE across the district. They not only tell their story but help others discover what opportunities are available.

Student Influencers of AllianceTexas

Hillwood partnership comprised of a prestigious cohort of NISD, Keller and EMS-ISD student ambassadors for AllianceTexas. NISD had 9 Influencers in 21-22 and 14 for the 22-23 year.



Student opportunities this year:

- Learn from CEO / Executives:
 - Meta (Facebook)
 - AmazonAIR
 - GoogleWing
 - Hillwood
 - Former Mayor Betsy Price
- Tour Amazon
- Test GoogleWing Flight Delivery Drones
- Present at the Schwab Campus

And so much more!

A few highlights...



- Nearly 80% of all high school students participate in CTE and 90% of middle school students. District-wide CTE students currently fill **over 10,000 seats**.
- **Middle School CTE** has grown to offer **8 different CTE courses** including Lifetime Nutrition, STEM Computer Science & Digital Art Animation
- All programming is **free and accessible** to all students and busing is provided for your academy of choice.
- Our **Agriculture Science programs** have over **1,200 students** who receive specialized training in leadership, welding/construction, veterinary medicine, and horticulture.
- Our Education Programs certified 90% of Seniors with **Educational Aide I** and will be offering **Dual-Credit Education** in 22-23

A few highlights...



- Our Education Program currently has **148 future educators** interning throughout NISD campuses as NISD works to “Grow Our Own” Teachers.
- Our **Creative Media Productions academy** is continually featured for the work our students produce and our graduates are constantly sought after.
- Our **business academy** has produced top **Junior Achievement** companies that have gone on to be nationally ranked with students starting their own companies.
- Our **Biomedical Science** academy has been featured as a demonstration site for **Project Lead the Way**, and our facilitator was named the **Biomed teacher of the year for PLTW**.

A few highlights...

- Our Culinary Academy was the first High School in Texas to receive the **American Culinary Federation (ACF)** the top accrediting body for culinary education in the country. Students are now Tier 1 certifying within this program as well as earning tuition-free dual-credit college credit hours.
- Our **Cosmetology academy** has a **100% pass rate** for all licensed cosmetologists and grew by 42% this year.
- Our **STEM academy** has **100%** of its students who complete the academy with at least **1 Industry-based credential**, however more than half complete 2 IBC's and give more than 70 presentations throughout their high school career.
- **Aviation Academy** is now fully certifying Drone Pilots along with Private Pilot & Aviation Maintenance.

What's Next for NISD CTE



- **Advanced Manufacturing Program** is currently in the 3rd year of implementation now at all 3 High Schools.
- Addition of **Construction Science Program** at NHS. This program will allow our students to focus on trades while also preparing them for post-secondary Construction Science degrees. Begins when renovations are completed.
- **Cosmetology Academy moving to NHS** (2023-2023) New facility to support high growth in numbers.
- Addition of **Education dual credit programs** in partnership with TCC at all three comprehensive high schools.
- Continue strong **Literacy & Classroom Engagement training** focuses for 22 - 23 school year to close gaps with sub pop CTE learners.

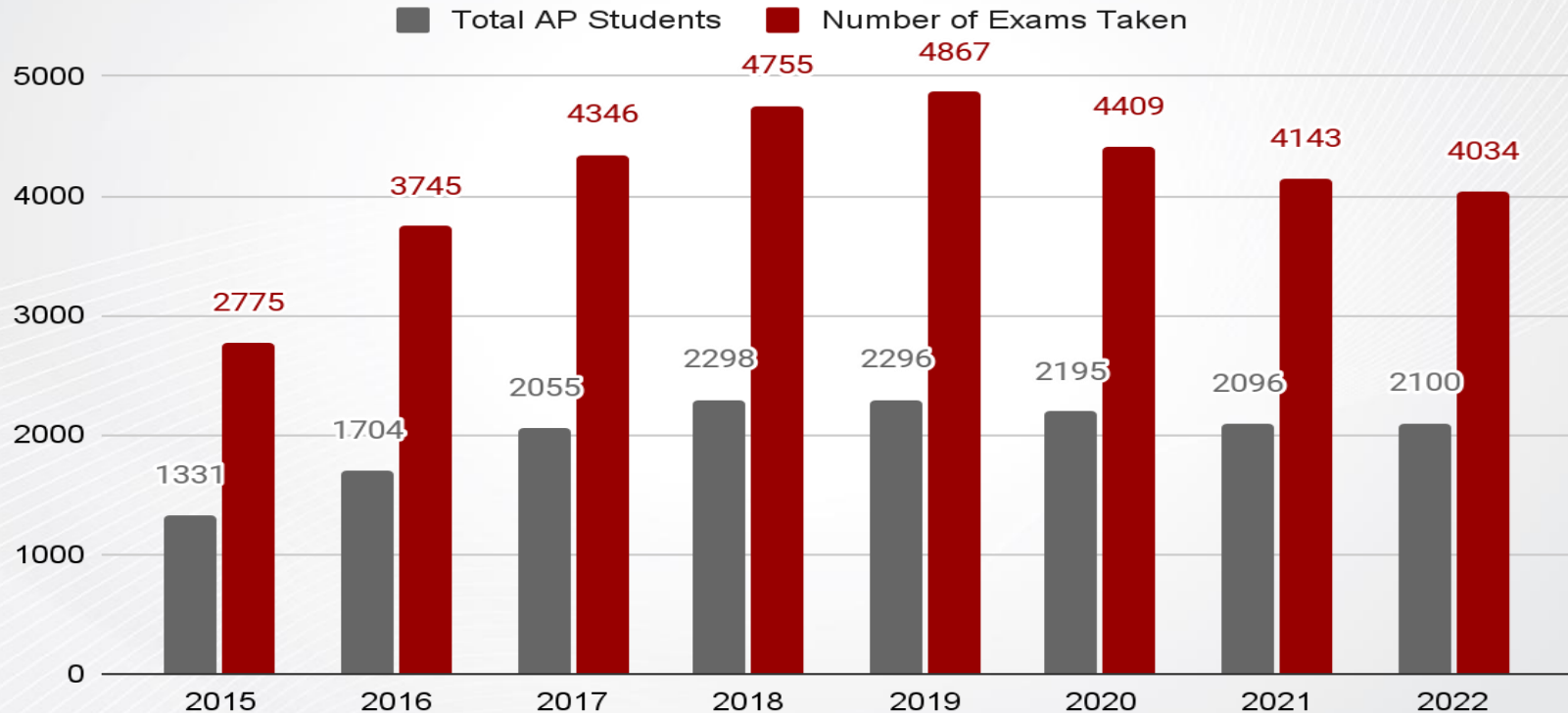


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Total AP Students & Exams



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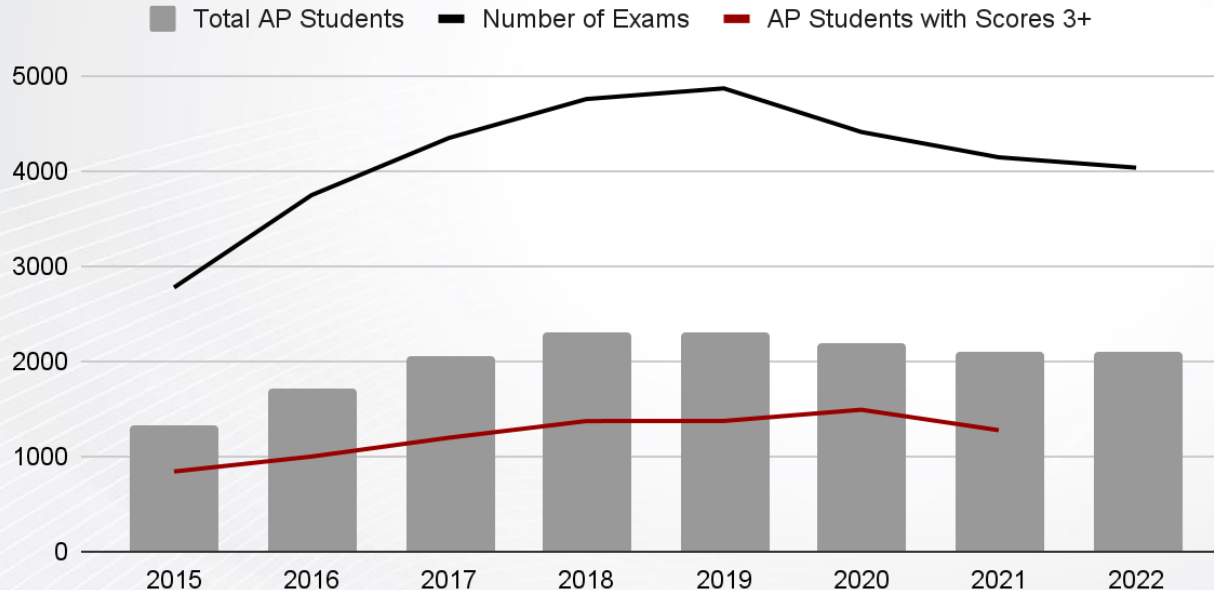


% Earning Credit



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Total AP Students, Number of Exams and AP Students with Scores 3+

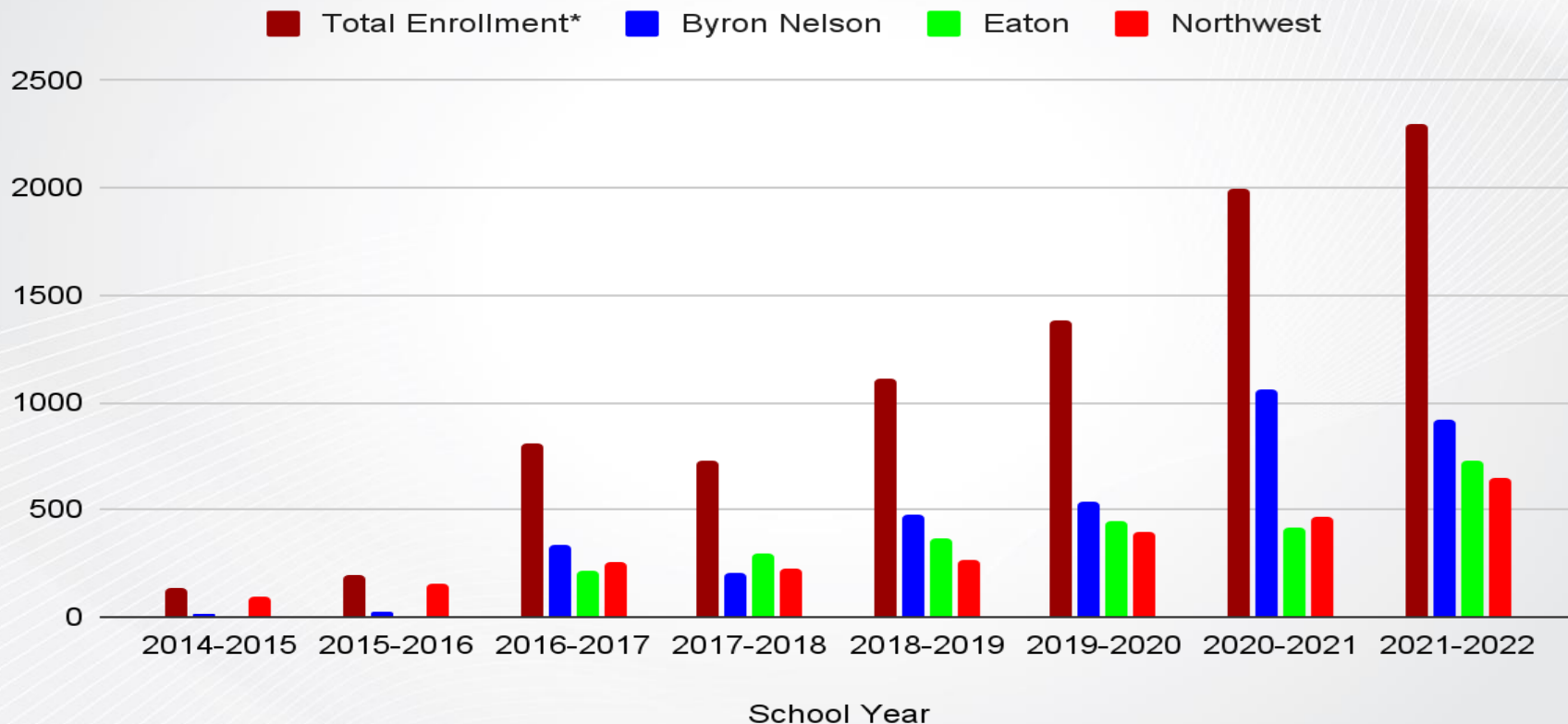


As the red line indicates, approximately 60% of students who take an AP Exam earn credit.

Total OnRamps Enrollment



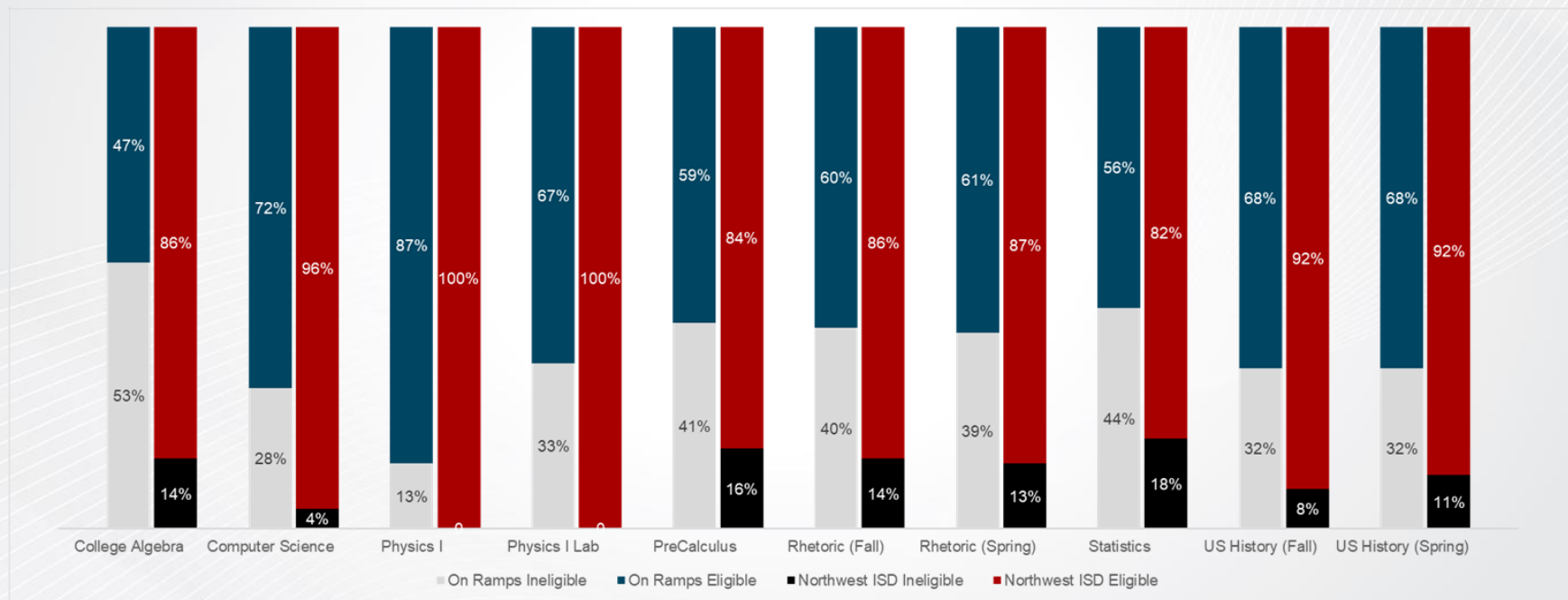
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NISD OnRamps VS Texas OnRamps*



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*Final data for 2021-2022 is not available yet.

OnRamps Impact



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Total Number of
OnRamps Courses
2022
2300

Total Number of
College Credit Hours
Accepted in 2022
4976

Total Average
Tuition Savings
Per Credit Hour
by NISD Students
\$309
\$1,537,585

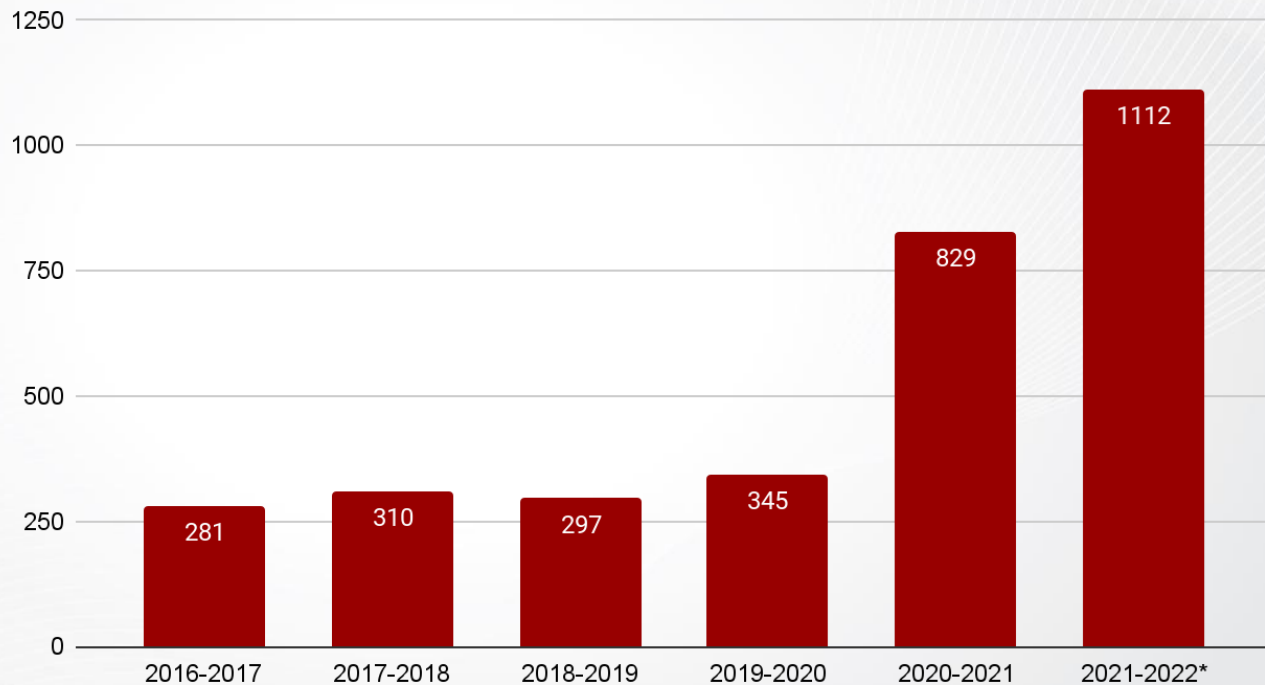
Total Average
Savings by NISD
Cost Per Credit
Hour
\$785
\$3,906,160

TSIA2



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The growth in our dual credit programs has helped us see a significant increase in the number of students taking the TSIA.



TSIA Administered Anually Sept to Aug. (*21-22 data through 6/15/2022)

Dual Credit History



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2017-2018

- North Central Texas College was our primary dual credit provider
- Tarrant County College provided dual credit for our Aviation Academy
- El Centro College provided dual credit for the Culinary Academy

2018-2019

- Transitioned to Tarrant County College for all dual credit opportunities
- TCC had lower tuition and a closer location
- TCC expressed interest in supporting an Early College High School
- We phased out NCTC with the 2022 graduating class to be the final class served by NCTC

2019-2020

- This freshman class was the first to have AP, dual credit and OnRamps weighted equally

Dual Credit Partnerships



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2021-2022

- Tarrant County College supported our inaugural Early College High School class by providing free tuition to our 10th and 11th grade students.
- TCC Board approved in-county tuition for all dual credit students. This change allowed our Wise County and Denton County students to pay the same tuition as their peers in Tarrant County.

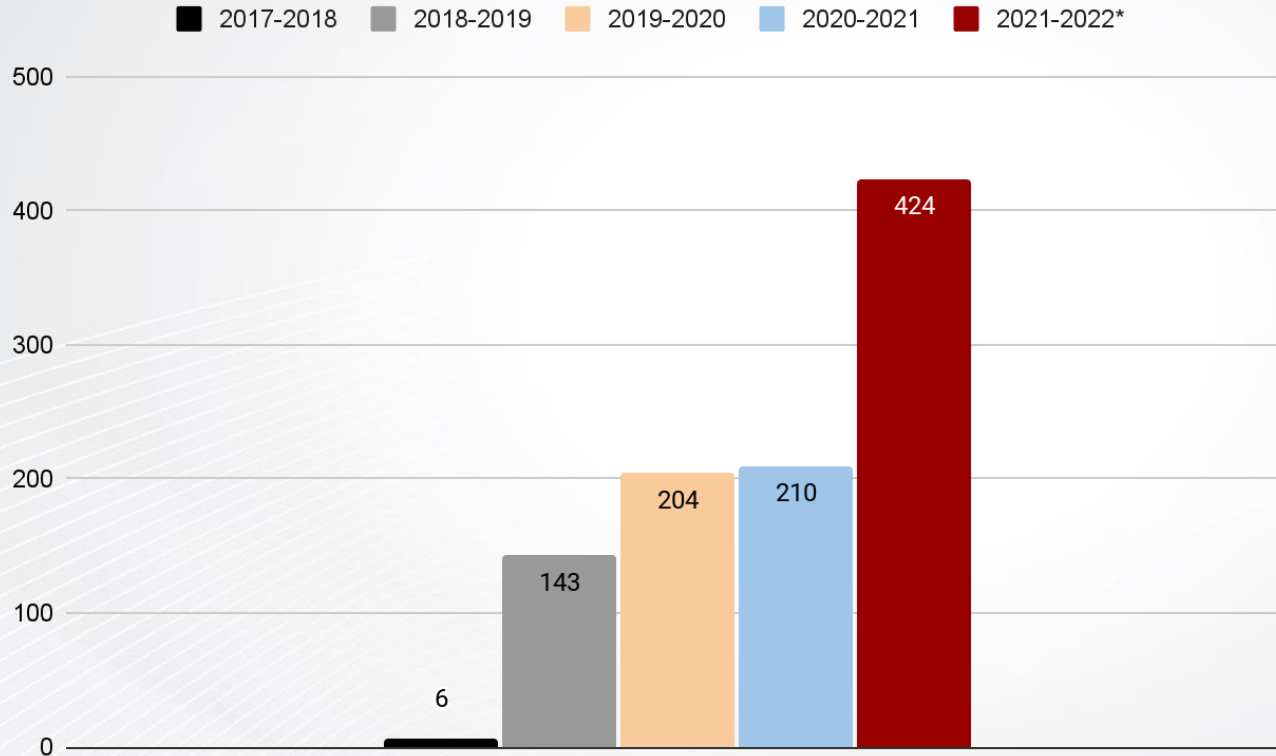
2022-2023

- TCC will provide dual credit for our Culinary Academy
- TCC is waiving tuition for our culinary students
- 11th grade students will earn a Culinary Arts 1 certification
- 12th grade students will earn 24 hours toward their Applied Science in Culinary Arts

Our Dual Credit Enrollment



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The 21-22 increase in dual credit enrollment is related to the change in weighting that is following the class of 23 through high school.

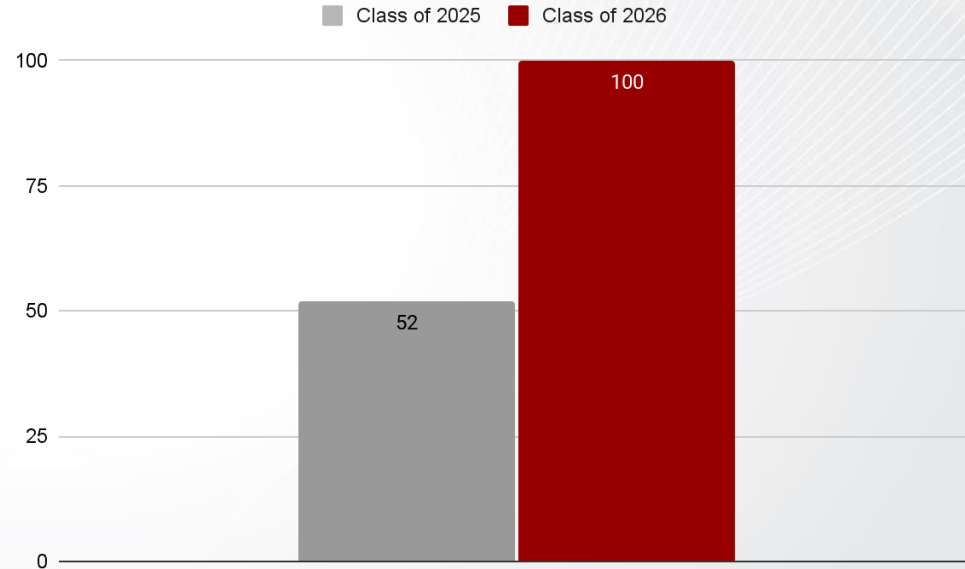
Early College High School



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The 2021-2022 freshman class at Steele Early College High School was the first official ECHS class.

2022-2023 freshman class will be 100 students.



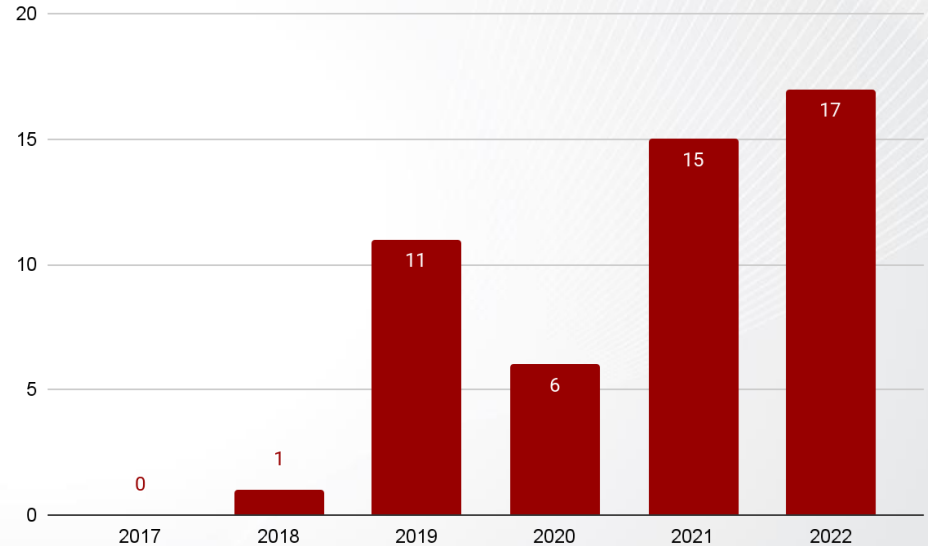
Associate's Degrees in 2022



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16 students in the Collegiate Academy at Steele Early College High School graduated from high school with an associate's degree in hand.

This year one V.R. Eaton student graduated with her associate's degree. She is the first student from one of the comprehensive high schools to achieve this.





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Questions