Diving into Data - Texas

Texas

STATE OF TECHNOLOGY SUMMARY
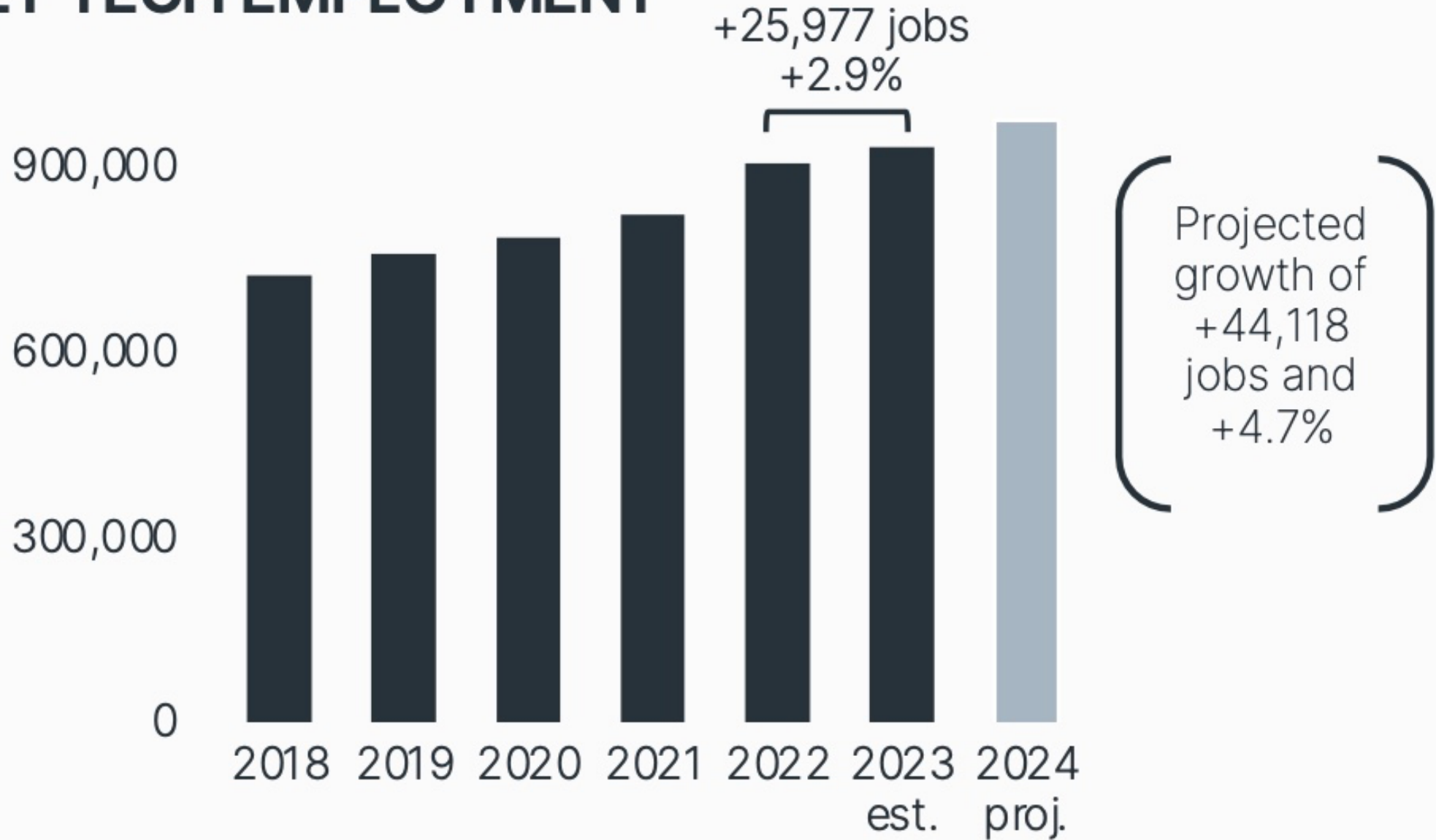
936,296	NET TECH EMPLOYMENT[1]
6.4%	NET EMPLOYMENT AS A % OF OVERALL WORKFORCE
$160.0b	ECONOMIC IMPACT [estimated direct impact of tech sector]
7.5%	ECONOMIC IMPACT AS A % OF OVERALL
48,449	TECH BUSINESS ESTABLISHMENTS [firms with payroll]
265,208	EMPLOYER JOB POSTINGS [2023 total for tech occupations]
17.5%	EMERGING TECH EMPLOYER JOB POSTINGS % OF TOTAL

★ Supplemental metro report
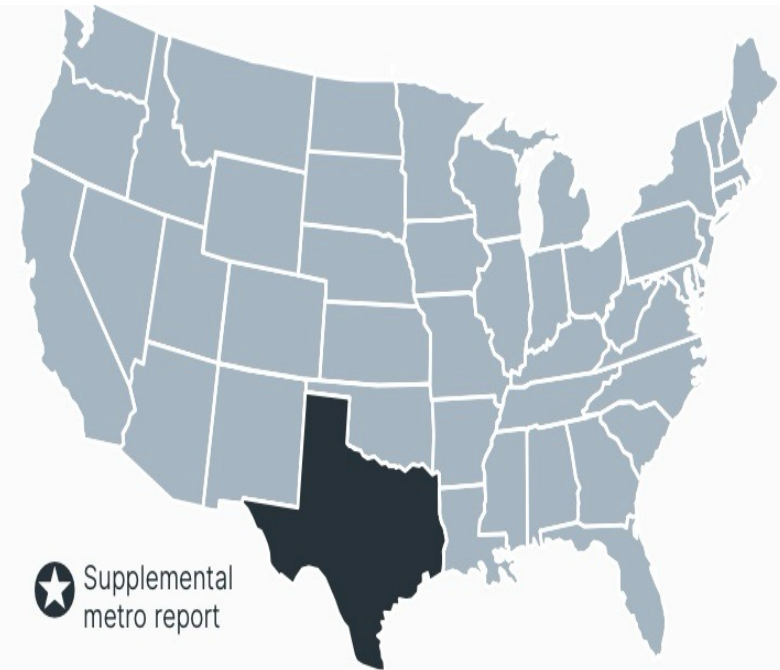
QUARTILE RANKINGS [1st quartile = more favorable ranking]

2nd	COST OF LIVING [vs. national benchmark[2]]
1st	TECH WAGE PREMIUM [vs. prevailing median wage]
3rd	TECH JOB POSTINGS RATIO [postings to tech base ratio[2]]
1st	AGGREGATE RELATIVE RANKING

NET TECH EMPLOYMENT

+25,977 jobs
+2.9%

Projected growth of +44,118 jobs and +4.7%

900,000

600,000

300,000

0

2018 2019 2020 2021 2022 2023 2024
                                est.   proj.

Source: Lightcast and Bureau of Labor and Statistics

LEADING TECH OCCUPATIONS

	2023	2024 % Change[3]
Software, Programmers, Web and QA	176,111	6.8%
IT Support Specialist and Repair Technicians	84,015	3.7%
Cybersecurity and Systems Engineers	69,669	5.3%
Emerging Tech, IT Project Mgt. and Other	57,149	3.8%
Network, Cloud Engineers, Architects, Admin	56,944	4.3%
Database, Data Science, Analytics and CS	32,010	6.0%

TECH OCCUPATION WAGES [by percentile]

Estimated median tech wage $96,031, 126% higher than median state wage[5]

Our Journey

1982

Founded as the Association of Better Computer Dealers

1993
A+

1999
Network+
Project+

2000
Server+

2002
Security+

ABCD changes its name to Computing Technology Industry Association (CompTIA)

2012
CASP+

2013
Cloud+

2016

1.5M web users

Logical Operations

gtslearning

CompTIA CERTMASTER

skillable

2017
CySA+

2018
ITF+
PenTest+

2019
Cloud Essentials+

4.5M web users

Education and Training Guideline Standards approved by US DOL

2021

2022
Data+

2023
DataSys+

TestOut

12M web users
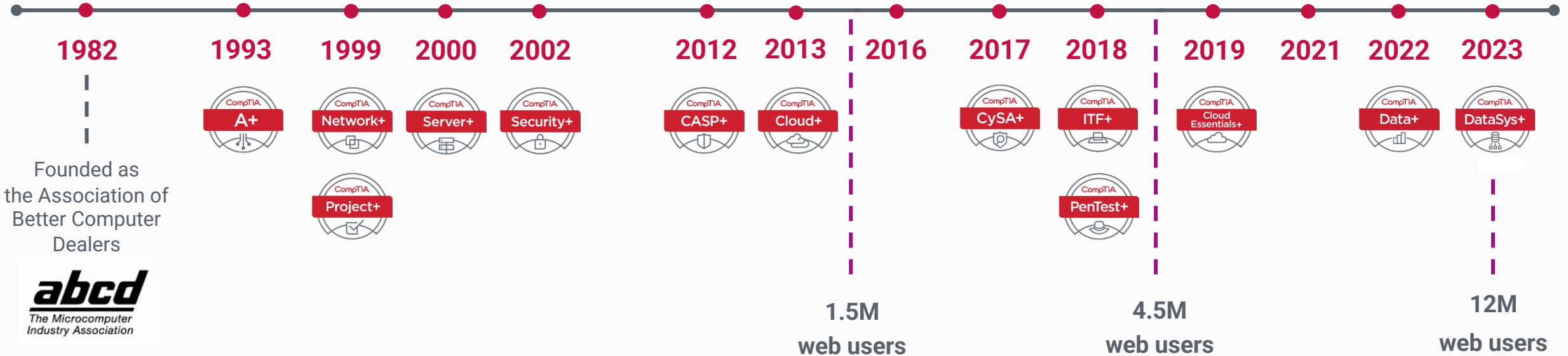
Who we are

3,500,000+

Total Certifications Awarded

#1

Vendor-neutral IT certifying body in the world

#2

IT certifying body in the world overall (behind Microsoft)

180+ countries

With CompTIA certification holders

4,000+

US Academic Partners

CompTIA.

Our Partners

Higher Education

PURDUE GLOBAL

WGU — WESTERN GOVERNORS UNIVERSITY

Southern New Hampshire University

IVY TECH COMMUNITY COLLEGE

UoPeople — UNIVERSITY OF THE PEOPLE — The Education Revolution

EASTERN GATEWAY COMMUNITY COLLEGE

Secondary Education

CCSD CLARK COUNTY SCHOOL DISTRICT

HOUSTON INDEPENDENT SCHOOL DISTRICT

OCPS Orange County Public Schools

MIAMI-DADE COUNTY PUBLIC SCHOOLS — giving our students the world

LCPS LOUDOUN COUNTY PUBLIC SCHOOLS

Hillsborough County PUBLIC SCHOOLS — Preparing Students for Life

Enterprise

IBM

amazon

Deloitte.

Denny's

Capgemini

ORACLE

Government

DEPARTMENT OF DEFENSE UNITED STATES OF AMERICA

U.S. DEPARTMENT OF HOMELAND SECURITY

UNITED STATES COAST GUARD 1790

DEPARTMENT OF STATE UNITED STATES OF AMERICA

DEPARTMENT OF VETERANS AFFAIRS UNITED STATES OF AMERICA

LOCKHEED MARTIN

NORTHROP GRUMMAN

GENERAL DYNAMICS

What we deliver

Content
CompTIA provides a broad range of courses, from basic fundamentals to advanced cybersecurity, featuring interactive tools and simulations for an immersive learning experience.

Certification
Our globally recognized certifications provide students with a competitive edge in the IT job market. Each certification aligns with specific IT job roles, preparing students for various career paths in the IT industry.

Instructor Resources
CompTIA provides a wealth of resources to support educators, including tailored study guides, exam preparation resources, and an online platform for easy access to course materials.

Industry Relevance
CompTIA courseware and certifications are designed in consultation with industry experts, ensuring that the skills and knowledge students gain are relevant to the current IT job market.

Research
Our highly regarded research and subject-matter expertise covering workforce developments, emerging technology, and business trends enhances curriculum and ensures relevancy and added expertise.

Supporting Educators

1

Train-the-Trainer Programs

2

Technology Pathway for Students

3

CompTIA Academic Partner Program

4

CompTIA Instructor Network (CIN)

CompTIA.

Content

Level 1	Level 2 – 3			Level 4
	CompTIA Certification Earned			
Tech+	A+	Project+	AI Data	DataX
CompTIA a+ network	Network+	Data+	AI Security	SecurityX
CompTIA a+ cyber	Server+	DataSys+	AI Architect	CloudNetX
CompTIA a+ linux	Cloud+	CySA+	AI Coding	
CompTIA a+ data	Security+	Linux+	AI SysOps	
AI Essentials	PenTest+	Full Stack	AI Prompts	
Business Essentials			AI Forensics	
Coding Essentials				

2025

CAREER CONTENT
CAREER CURIOUS
CAREER INTENT
TECH NEWBIE
TECH CAPABLE
TECH EXPERT

TECH NEWBIE
TECH CAPABLE
TECH EXPERT

TECH EXPERT

The Platform
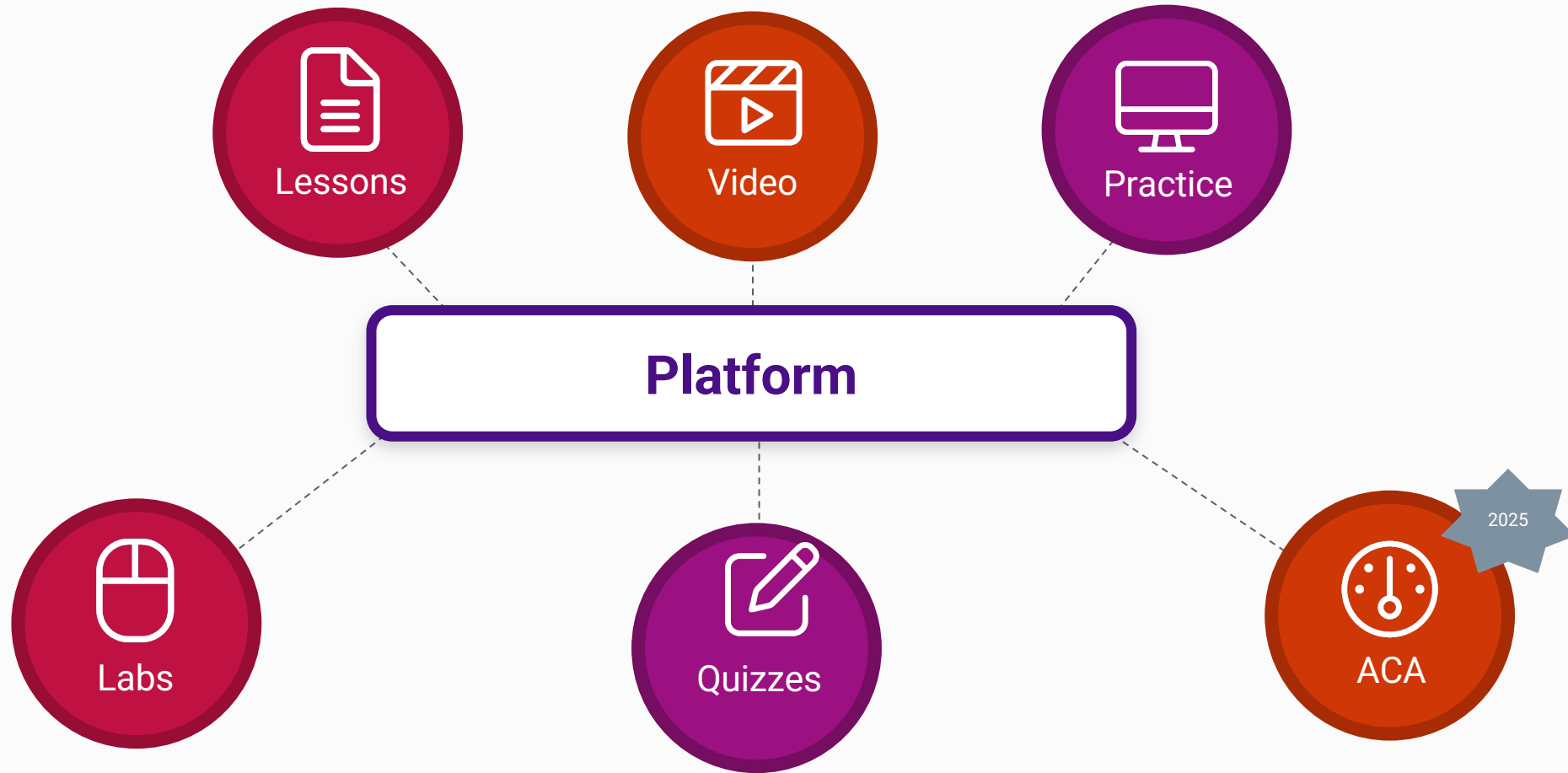
2024 Products- New & Refresh Launches –

New Launches on CertMaster/LabSim	Launch Timing
DataX (DY0-001)	Jul 2024
Available for pilots	Q3 2024
• a+ Cyber	
• a+ Network	
• AI Essentials	
• Full Stack Pro	
Soft Skills Essentials	Dec 2024
Business Essentials	Dec 2024
CloudNetX (CNX-001)	Feb 2025
a+ Data	Jun 2025
a+ Linux	July 2025

Refresh Launches	Launch Timing
Network+ N10-009	June 20, 2024
Cloud+ CVo-004	Sept 2024
Tech+ FCO-U71 (aka ITF+)	Sept 4, 2024
SecurityX CAS-005 (aka CASP+)	Nov 2024
PenTest+ PT0-003	Dec 2024
A+ 220-1201/1202	Mar 2025
Data+ DA0-002	Jun 2025
Linux+ XK0-006	Jul 2025

Partnering with Texas

Serving Schools in Texas
One Student at a time

High Schools/Districts: #250+ → Colleges/Universities: #200+ → Workforce →

Courses actively using CompTIA content

Course #	Course Name	CompTIA Content
CIT 115	Info Technology Fundamentals	ITF Fundamentals Pro
CIT 100	Computer Fundamentals / Applications	Office Pro
CIT 150	Computer Config / Support	PC Pro
CIT 254	Ethical Hacking	Ethical Hacker Pro
CIT 120	Networking Concepts	Network Pro
CIT 253	Infrastructure Security	CyberDefense Pro
CIT 220	Linux System Administration	Linux Pro
CIT 607	Office Management: Outlook	Digital Literacy Pro
CIT 600	Windows Operating Systems	Digital Literacy Pro
CIT 602	Present Graphics: PowerPoint	Digital Literacy Pro
CIT 140	Spreadsheets Bus Env	TestOut Pro Certified: MS Excel
CIT 141	Word Processing	TestOut Pro Certified: MS Word
CIT 142	Desktop Publishing Concepts	Digital Literacy Pro

Career Exploration Site – Supporting students

Designed to explore, educate, and empower individuals

Explore.comptia.org

Personal Stories

Job Data Exploration

Career Exploration

Engagement
- Testimonials
- Persona References
- Content & Video Rich

Role Insights
- Trends
- Growth in Market

Roles Blueprints
- Experience
- Work Style
- Value Profile
- Skills, competencies, certifications
- Salary

Personal stories   Explore careers   About   **Career+**   Start

Inspire the next first step in your career

I want to expand the skills I have

Take the Career Quiz

TOP MATCH
Technologist

IN DEMAND
2 million +
Employer hiring activity

Question 1 of 4

Next

Please select **three of the following** that best match your work strengths and work style preferences in order of importance to you.

+ **Organizer**
Planning, organizing tasks, attention to detail

+ **Connector**
Service orientanted, guidance, relationship Builder

+ **Enterprising**
Entrepreneurship, selling, influencing people, leading

Executive Summary

Background

The demand for skilled IT professionals continues to grow exponentially across various industries. However, a significant skills gap persists, partly due to the traditional divide between non-credit vocational training and credit-bearing academic education.

Recognizing this, CompTIA seeks to collaborate with Community Colleges across Texas to create a more integrated educational pathway that aligns with industry needs and student career aspirations.

Objectives

Develop Integrated IT Programming

Create a series of IT programs that incorporate CompTIA certifications within academic credit frameworks, ensuring students gain both practical skills and academic credentials.

Facilitate Seamless Transition

Enable students who have completed non-credit CompTIA certification training to easily transition into credit-bearing programs, receiving academic credit for their certifications.

Enhance Workforce Readiness

Equip students with the necessary skills and credentials to meet the demands of the IT industry, thereby improving employment outcomes.

Program Development

Curriculum Integration: Work with faculty to integrate CompTIA certifications into the IT programming curriculum, ensuring alignment with academic standards and industry requirements.

Articulation Agreements: Establish articulation agreements that recognize CompTIA certifications as equivalent to academic credits, facilitating students' progression from non-credit to credit programs.

Benefits of Pilot Program

Students: Provides a clear, accessible pathway to gaining both practical IT skills and academic credentials, enhancing employability and career advancement opportunities.

Community Colleges: Enhances program offerings with industry-recognized certifications, attracting more students and meeting workforce development needs.

IT Industry: Addresses the skills gap by producing a larger pool of qualified professionals ready to meet the demands of the evolving IT landscape.

Student Support Services

Offer guidance and support services to students pursuing CompTIA Certifications Including;

Study Materials

Practice Exams

Needs Assessment

Labor Market Alignment with New Partnerships

- Labor Market Analysis

- Job-Centric Course Mapping

- Curriculum Collaboration

- Product Offering

Needs Assessment

Existing Partnerships and Product Utilization

- Initial Assessment

- Course Mapping

- Curriculum Collaboration

- Product Offering

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