



PIONEER TECHNOLOGY (PTAA) MESQUITE

P-TECH Renewal Application

2023-2024

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Background

District Affiliation

PIONEER TECHNOLOGY & ARTS ACADEMY

CD #: 057850

Region: 10

Mailing Address (Line 1): 3200 OATES DR

Mailing Address (Line 2):

City, State, Zip: MESQUITE, TX 75150

School Affiliation

PIONEER TECHNOLOGY (PTAA) MESQUITE

CDC #: 057-850-001

Region:

Mailing Address (Line 1): 3200 OATES DR

Mailing Address (Line 2):

City, State, Zip: MESQUITE, TX 75150

Academy Information

What is the academy name?

Pioneer Technology & Arts Academy (PTAA) Mesquite

Which model does the district intend to implement at this time? Within these models, there are variations.

School-Within-School (SWS) - A subset of students on the campus are enrolled in grades 9-12 are enrolled in the academy.

Grade Levels Served

What grade level(s) will your academy plan to serve?

9
10
11
12

Enter the number of students that you plan to serve in 9th grade.

120

Enter the number of students that you plan to serve in 10th grade.

120

Enter the number of students that you plan to serve in 11th grade.

90

Enter the number of students that you plan to serve in 12th grade.

75

Contacts

Applicant

Applicant 1

Job Title

District PTECH Coordinator

Name Prefix

Dr.

First Name

Derrick

Last Name

Love

Email

dlove@ptaaschool.org

Phone

469-405-8967

Principal

Principal 1

Name Prefix

Dr.

First Name

Brooke

Last Name

Cook

Email

bcook@ptaaschool.org

Phone

972-375-9652

Superintendent

Superintendent 1

Name Prefix

Mr.

First Name

Shubham

Last Name

Pandey

Email

shubham@ptaaschool.org

Phone

612-207-6438

Narratives

Narratives

The majority of the following questions will be narrative response. Narrative responses are limited to a maximum of 250 words. We recommend writing your responses in a text-editing software such as Microsoft Word and then pasting your responses into the website when they are complete. Progress to the next section when you are ready.

Narratives: Degrees and Credentials, Recruitment and Enrollment

Degrees and Credentials

Select the Career Cluster(s) that your academy plans to offer.

Health Science
STEM

Select the Program(s) of Study your academy plans to offer.

Medical Therapy

Select the Career Cluster(s) that your academy plans to offer.

Programming and Software Development

Which of the following credential(s) does the academy plan to offer students?

AD
IC

What associate degree(s) does the academy plan to offer?

Item

Software Programmer and Developer

Computer Network and System Administrator

Health Professions

What industry certifications does the academy plan to offer?

Item

C++ Certified Associate Programmer (CPA)

Cisco Certified Network Associate - Service Provider (CCNA SP)

Microsoft Technology Associate (MTA) Introduction to Programming Using Java

Microsoft Technology Associate (MTA) Introduction to Programming Using Python

Cisco Certified Network Associate - Security (CCNA Security)

WD Certified Web Design Certification

Emergency Medical Technician Basic

Does the IHE partner currently have an articulation agreement with a four-year IHE detailing how a student's associate degree and accrued credits could lead to a baccalaureate degree?

Yes

Provide the university name that your IHE partner has an articulation agreement with and the bachelor degree that students could earn using their associate degree and accrued credits. Each row represents a degree.

2-Year Degree	University	4-Year Degree
AAS Software Programmer/Developer	UNT	BACHELOR OF ARTS IN INFORMATION TECHNOLOGY

Recruitment and Enrollment

Describe any changes in established plans for recruitment and enrollment process that meet open enrollment requirements.

PTAA will continue to use established plans for recruitment and enrollment including hosting Community Campus Open Houses in connection with PTAA STEM Fair. PTAA will continue to send informative 2 sided color Marketing Cards out to the surrounding community. PTAA also extensively uses social media as a virtual platform for information sessions both recorded and Facebook Live format. These sessions run approximately 30-45 minutes and cover a comprehensive overview of PTAA Mesquite including the PTECH program for recruitment. PTAA budgeted marketing funds are used to boost targeted Facebook viewers . As part of the Articulation Agreement with IHE, PTAA and Dallas College will partner on PTECH informational sessions for students and parents on dual credit opportunities, benefits and process at a time coordinated with Pioneer Technology & Arts Academy.

**Narratives: Strategic Partnerships: IHE,
Strategic Partnerships: Business Partner,
Business Partners: Hiring Priority**

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

Sharp USA

Job Title

Texas Sharp General Manager

Name Prefix

Mr.

First Name

Jason

Last Name

Hooks

Email

jason.hooks@sharpusa.com

Phone

972-655-6372

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Clear roles and responsibilities for work site supervisors, mentors, teachers, support personnel, and other partners.

SHARP USA: PTAA and Sharp USA have recently finalized the PTECH MOU that defines the roles and responsibilities of a strong partnership between Sharp USA and PTAA, providing a detailed plan for program oversight and advisory and to provide work-based learning experiences for students appropriate to each grade level, such as facility visits, guest speakers, presentations, career information, job shadowing, internships, and externships. Sharp USA has appointed Greg Farmer as partner liaison with decision-making authority to interact directly and frequently with the PTECH leadership team, including the PTECH Coordinator, Derrick Love, Principal Brooke Cook, Assistant Principal, Counselor, teachers, support personnel, and other partners. Mr. Farmer will also meet virtually with Superintendent Shubham Pandey and Dr. Love on a monthly basis to review partnership status and needs. Mr. Farmer will regularly attend leadership meetings and will have the opportunity to present training and introduce new technologies that would benefit the program.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Support for students' activities, such a clubs, Career and Technical Student Organizations, competitions, and special invitations.

Sharp USA has agreed through MOU to support student activities, PTAA Community Events such as Career Week or College and Career Night providing career information and representing Sharp USA's

mission of solving business challenges with innovative technology solutions, and PTECH Information Sessions to provide information on a unique certified program with Sharp for PTAA students. Sharp has graciously gifted equipment to be used on PTAA campuses for student learning experiences.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Student access to business and industry partners and work-based learning facilities, services, and resources.

Sharp USA will be offering work-based learning opportunities in a variety of ways, including student access to PTAA onsite equipment that will be used as a "Sharp Learning Lab" for interested students within the Networking Pathway. Sharp Industry professionals will also provide job shadowing both at the PTAA Campus, virtually, and at the Sharp facility when this is able to be done in a safe way due to the pandemic safety precautions in place. Sharp is working with the PTAA Leadership Team in developing a unique opportunity for students to earn Sharp Certifications (Bronze, Silver, and Gold Levels), be mentored in critical industry/business soft skills to prepare qualified students for internships, and provide first priority interviews for employment that they are qualified for and will be available upon completion of the program.

Describe how the Business/Industry articulation agreement addresses the following Business/Industry Blueprint Requirements: Transportation fees and costs.

The MOU between Sharp USA and PTAA states that Sharp USA will not be required to cover transportation costs and fees for students; this will be provided by PTAA.

Strategic Partnerships: IHE

The P-TECH shall have strategic partnerships with business and industry partners and IHEs that are formally articulated in writing and clearly define a variety of careers.

IHE Partner 1

Affiliation

Dallas College/Richland College Campus

Name Prefix

Mr.

First Name

Edward

Last Name

Hicks

Email

edwardh@dallascollege.edu

Phone

972-669-6400

Job Title

Associate Dean of K-12 Educational Partnerships at Dallas College

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirement: Curriculum alignment and courses of study, which enables a student to combine high school courses and college-level courses to earn either an associate degree, postsecondary certificate provided by an IHE, or industry certification.

The PTAA leadership team and Dallas College (IHE) alliance collaborate to provide curriculum alignment and courses of study and to ensure that the rigor, academic requirements, and standards applicable to the courses being offered are maintained and applied to meet or exceed all accrediting and regulatory requirements. PTAA provides a course of study within 2 pathways (Software Development/Programmer and Network Administration) that allows students to combine required high school courses for graduation with up to 60 credit hours of college-level courses and pursue and/or attain an associate degree and postsecondary certification through the IHE or industry certification. PTAA/PTECH leadership team, including Dallas College, Director of Educational Partnerships, meets monthly for updates, future planning, including possible amendments to crosswalks, needs specific to the program, and addressing weaknesses to focus efforts for future positive change.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Policies for: 1) advising students on the transferability of all college credit offered and earned, 2) ensuring the IHE transcripts college credit earned through dual credit in the same semester that credit is earned, 3) advising students as to the transferability and applicability to baccalaureate degree plans for all college credit offered and earned (college credits earned during high school should allow students to progress from an associate degree to a bachelor's degree and beyond in their chosen field), 4) students accessing the IHE facilities, services and resources

The articulation agreement between PTAA and Dallas College (IHE) addresses each of these blueprint requirements through "Goal 2: Student Transition to and Acceleration through Postsecondary Education." The IHE and PTAA provide college orientation sessions, which include pertinent information about college degree and certificate options, access to student support services, and access to the Transfer Services Office, which provides information regarding the transfer of college courses (course numbers and course names) that will transfer into degree plans at other institutions of higher education. IHE and PTAA academic advising is addressed in the agreement through "Goal 3: Academic and College Readiness Advising and Support Services," which provides students with career information, degree and certificate options, and academic advising; college success workshops on time management and learning support; and access to tutoring centers and libraries. PTAA supports the students in their course of study by developing personalized student plans, providing tutoring and/or Saturday school for students in need of academic support, and building support time into student scheduling. PTAA is also establishing a mentorship program for all students utilizing faculty, which will be a valuable asset to the success of our students.

Describe how the IHE articulation agreement addresses the following IHE Blueprint

Requirements: Transportation costs and fees including provisions for discontinuing operation while ensuring students previously enrolled will have opportunity to complete their course of study.

Transportation needs, costs, and fees will be provided and covered by PTAA now that Dallas College has resumed in person, campus instruction. We have also approached the parent/family community with a transportation plan and, through the PTO, have a working rideshare program as another alternative, if needed.

Describe how the IHE articulation agreement addresses the following IHE Blueprint Requirements: Data sharing agreement that includes provisions for teacher data such as qualifications and student level data such as credit hours taken and earned, GPA, formative data to assess if student is on track for college readiness

Dallas College (IHE) and PTAA may share information regarding students in accordance with the Family Education Rights and Privacy Act (FERPA), 34 CFR Section 99.34(b), and as set forth in a duly executed data sharing agreement between the parties. Under the terms of the data sharing agreement, all teacher information is made available, including credentials, student level information, credit hours taken and earned, GPA, and formative data to gauge students' readiness for college. In accordance with the Dual Credit Course Articulation Agreements, the IHE will grant credit for courses, and it is solely responsible for accurately documenting every detail on the course matrix. Upon completion of the performance necessary for the course, the student will receive immediate transcripts for high school and college credit.

Business Partners: Hiring Priority

List the business partner(s) that have an agreement with the district that students completing the P-TECH program and otherwise meet hiring requirements have priority interviewing with the employer.

Business Partner

Sharp USA

Narratives: Regional Workforce Alignment, Work-Based Learning

Work-Based Learning

Add up to three activities offered to 9th grade students.

9th Grade Activities

College Awareness Week and AVID Virtual College Fair

Career Week

Add up to three activities offered to 10th grade students.

10th Grade Activities

AVID Virtual/In person College Fair and College Awareness Week

Open PTECH: digital learning experience offering students and teachers access to cutting-edge technical and professional skills

Sharp Job Shadowing (on Campus Sharp Equipment Lab)

Add up to three activities offered to 11th grade students.

11th Grade Activities

Howard Payne University face to face visit

Resume and Interviewing Skills Workshop in combination with Career Week

Sharp USA work site visit, job shadowing, Sharp Certification program

Add up to three activities offered to 12th grade students.

12th Grade Activities

Open PTECH IBM Learning Platform. All PTAA students are rostered and are able to earn IBM badges in Professional Skills, Cybersecurity, AI and many other offerings within the tech industry space.

College Visit, UNT

Sharp USA Competitive Internship, IBM Virtual Competitive Internships, HCL Technologies Competitive Internship opportunities.

Regional Workforce Alignment

List the regional high-demand occupations your academy intends to address through selected program(s) of study and work-based learning.

Regional High-Demand Occupation

Computer Network Support Specialists

Software Developers

EMT Certification

Narratives: Advanced Academics

Advanced Academics

Select the type of advanced courses (dual credit/AP/IB) your campus plans to offer students.

DC

AP

What type of dual credit courses does your campus plan to offer?

AGCM

Describe any challenges in ensuring your academy has educators with qualification to teach dual credit. What steps did your academy take to address the need?

PTAA/Mesquite has "homegrown" 3 IHE vetted educators with the qualifications to teach dual credit courses. We conduct a survey of faculty members each year to offer them the opportunity to teach dual credit courses after they have been vetted by our IHE partner. Dallas College has partnered with PTAA Leadership to promote "homegrown" dual credit teacher qualifications, including offering a stipend for dual credit courses taught. PTAA actively recruits teachers with higher education degrees, which also allows the pool of possible dual credit teachers to increase. PTAA/Mesquite has also partnered with other PTAA campuses to share dual credit teachers within the PTAA Charter District.

Is the academy a TSIA testing site?

Yes

Narratives: Curriculum and Support

Curriculum and Support

Provide examples of how the campus plans to provide students with academic services. List activities and brief descriptions of the activities. Add a new row for each provided service.

Activity	Description
Faculty PTECH Mentor Assignment	Each PTECH student to be assigned a faculty mentor at the beginning of 9th grade through completion that will follow student progress through Pathway, developing a close working relationship and safe place for students for advise, sharing concerns and consistent support system.
Individual College/Career Planning Conference	Students and Parents have individual conferences with Advising Counselor and Administrator for progress monitoring
College Crew Shout Out	College Crew Shout Out email blasts to families and school community bragging about their students success.
College Facilitator Support	College Facilitator providing support on how to be a self advocate and time management.
College Bridge Program	Summer Bridge to prepare student for their college experience
AVID	AVID – advisory and college readiness and support time

Provide examples of how the campus plans to provide students with wrap-around services. List activities and brief descriptions of the activities. Add a new row for each wrap-around service.

Activity	Description
Connections to Social Services	Counselor and Administration provides assistance to identified families in need of connecting to social services.
Parent Outreach	PTAA/Mesquite has strong parent involvement beginning with an active PTO. PTAA also has several campus events including STEM Fair and other Community outreach, participating in local events
Open PTECH provided by	Open P-TECH is a new digital learning experience that offers students and teachers access to cutting-edge technical and professional skills. All PTAA PTECH students are rostered into the platform, having access to courses including opportunity to earn

IBM Activity (PTECH.org)	IBM Professional Badges, Professional Skill building, technical skills in AI and Cybersecurity and more. Open PTECH is an iterative platform, with new course offerings added often.
SLOP	Sheltered Instruction for ELL Students
GT Support	GT Training for All PTAA Faculty

How does your academy use the access, achievement, and attainment data for program improvement?

In collaboration with the PTECH Leadership Team and our IHE, PTAA/Mesquite has developed an OBM Tracking spreadsheet to collect data for each cohort to collect Access, Achievement, and Attainment data and uses several processes to monitor student and PTECH program progress, which include: - Degree Audits: review of credits, academic transcripts, and course status; -Degree Works: describing the percentage of completion for students; -Data Sharing between PTAA/IHE on student progress - Enrollment Reports (subpopulations through PEIMS indicators) -Student Progress Report Review for Progress -Teacher/Professor/Counselor communication and input via email on course grade status; one-on one advising by a PTAA Counselor -Teacher/Student Studies with Administrator and Counselor for a more individualized approach regarding student data and progress and identifying intervention and remediation needs -Interventions such as set Tutoring Schedules, Saturday School, TSI prep and support and mentoring. Tracking Outcome Based Measures in access, achievement, and attainment drives the success of our program and allows a clear picture of our strengths and weaknesses and what requires greater focus. Though the data tools in place are always important to guide a successful PTAA PTECH program.

Narratives: Leadership Team

Leadership Team

List the Leadership Team's three priorities for the next year and describe how the selected priority contributes to the academy's success. Each priority should be a benchmark from the ECHS/T-STEM/P-TECH Blueprint.

Benchmark	Description
Benchmark 6: Student Support	Implement the Faculty Mentoring Program, assigning faculty to students within a Pathway. Faculty Mentors will follow their students from 9th grade through completion of program.
Benchmark 5: Work Based Learning	Implementing Sharp USA job shadowing and participation in Leveled Sharp Certification program being developed for PTAA students.
Benchmark 1:	Address sustainability structures and plan for potential fluctuations in funding

School Design
Benchmark

Description

Narratives: Benchmark Products

Benchmark Products

On this page, you must provide a hyperlink to the location where your digital products corresponding to the product and activities that are required to be posted by the first day of serving students. Enter the hyperlink here. Hyperlinks must be entered with the fully qualified URL including "HTTP://" or "HTTPS://".

<https://www.ptaaschool.org/home/cms/PTECH>