



HIGHLANDS H S
P-TECH Renewal Application
2021-2022

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Background

District Affiliation

SAN ANTONIO ISD

CD #: 015907

Region: 20

Mailing Address (Line 1): 141 LAVACA ST

Mailing Address (Line 2):

City, State, Zip: SAN ANTONIO, TX 78210

School Affiliation

HIGHLANDS H S

CDC #: 015-907-005

Region:

Mailing Address (Line 1): 3118 ELGIN AVE

Mailing Address (Line 2):

City, State, Zip: SAN ANTONIO, TX 78210

Academy Information

What is the academy name?

Highlands P-TECH

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 in the 2021-2022 school year?

9

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

120

Contacts

Applicant

Applicant 1

Job Title

P-TECH Coordinator

Name Prefix

Ms.

First Name

Michelle

Last Name

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mbowman1@saisd.net

Phone

210-438-6800

Principal

Principal 1

Name Prefix

Dr.

First Name

Penny

Last Name

Pruitt

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Phone

210-438-6800

Superintendent

Superintendent 1

Name Prefix

Mr.

First Name

Pedro

Last Name

Martinez

Email

pmartinez1@saisd.net

Phone

210-554-2200

Narratives

Current Designations at SAN ANTONIO ISD:

- BRACKENRIDGE H S - ECHS - 1516
- EDISON H S - P-TECH - 2021
- FOX TECHNICAL H S - P-TECH - 1920
- HIGHLANDS H S - P-TECH - 2021
- HOUSTON H S - P-TECH - 1819
- LANIER H S - P-TECH - 2021
- TRAVIS EARLY COLLEGE H S - ECHS - 0809
- ST PHILIP'S COLLEGE EARLY COLLEGE H S WITH SAISD - ECHS - 1415

Previous Planning Year Applications at SAN ANTONIO ISD:

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 in 2021-2022.

Manufacturing
Transportation Logistics Distribution
STEM

Select the Career Cluster(s) that your academy plans to offer in 2021-2022.

Advanced Manufacturing and Machinery Mechanics
Engineering
Welding

Select the Career Cluster(s) that your academy plans to offer in 2021-2022.

Engineering

Select the Program(s) of Study your academy plans to offer in 2021-2022.

Aviation

Which of the following credential(s) does the academy plan to offer students in 2021-2022 school year?

AD
PSC
PSC2
IC

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

Item

Engineering

Mechatronics, Robotics, and Automation Engineering

Welding Technology

Aviation Management and Operations

What level 1 postsecondary certificate(s) provided by an IHE does the academy plan to offer?

Item

Automation, Robotics & Controls Technology Certificate

Welding

What level 2 postsecondary certificate(s) provided by an IHE does the academy plan to offer?

Item

Mechanical Engineering/Mechanical Technology/Technician

What industry certifications does the academy plan to offer?

Item

Autodesk Certified Professional or User in AutoCAD

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
Associate of Science	University of Texas San Antonio	Bachelor of Science in Mechanical Engineering
Associate of Science	University of Texas San Antonio	Bachelor of Science in Electrical Engineering

Recruitment and Enrollment

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

We will follow the San Antonio ISD Choice Program policies which include an open enrollment process and lottery-based admissions system. Recruitment sessions and activities will be conducted (virtually when necessary) at all middle school programs in SAISD as well as at community events in the

Highlands HS region (as permitted by state and local authorities). Students will not be screened for any of the factors mentioned above. San Antonio subpopulations include 90.4% economically disadvantaged, 19.6% limited English language proficiency, and 11% special education. These subpopulations will be identified and recruited through targeted middle school recruitment activities and counselor referrals. SAISD Choice Program application, admission, and lottery information and policies can be found at <https://saisdchoice.com/>.

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

Strategic Partnerships: Business Partner

Business/Industry Partner 1

Affiliation/Company

TX FAME

Job Title

Board President of TX FAME

Name Prefix

Ms.

First Name

Leslie

Last Name

Cantu

Email

lcantu@ttna.com

Phone

210-231-5529

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.

TX-FAME has entered into a memorandum of understanding whereby they will assist in developing the roles and responsibilities for work site supervisors, mentors, teachers, support personnel, and

additional partners. Roles and responsibilities are being developed through the Leadership Team and subcommittees for recruitment/marketing, curriculum and instruction, work-based learning and student support. TX-FAME representatives will serve on the Leadership Team and subcommittees.

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

TX-FAME has entered into a memorandum of understanding whereby they will support student activities within clubs and competitions such as the ACE Mentor Program for Architecture, Construction, and Engineering; FIRST Robotics; and the Mayor's Smart City Innovation Challenge. Industry partners will support the P-TECH as technical mentors, special event partners, and competition judges or volunteers.

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.

TX-FAME has entered into a memorandum of understanding whereby they will provide access to (in-person or virtual) workplace facility tours, guest speakers, industry events, and P-TECH specific events for work-based learning. For example, a career fair and resume/interview preparation week each spring for juniors and seniors who are interested in applying for internships and jobs within the P-TECH targeted industries. In addition, TX-FAME has agreed to share curriculum previously developed for work-based learning skills that are specific to the manufacturing industry.

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

TX-FAME has entered into a memorandum of understanding whereby they will not be required to cover transportation costs and fees for students.

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

St. Philip's College

Name Prefix

Dr.

First Name

Adena

Last Name

Loston

Email

aloston@alamo.edu

Phone

210-486-2000

Job Title

President of SPC

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.

St. Philip's College has entered into a memorandum of understanding whereby they will work with the SAISD school district to develop course of study plans that meet the requirements of the P-TECH model. This includes integration of collegiate level courses taught as dual credit courses at both the high school and college campuses. The IHE, district, and campus will be responsible for developing a clear and coherent academic program with curriculum alignment that will lead students to earning their high school diploma and either Level 1 or Level 2 Certificate, Associate Degree, or Bachelor's Degree. Specific degrees, certificates, and certifications are listed below. Associate of Applied Science: Aircraft Technician Airframe / Level 1 Certificate – Aircraft Structures Mechanic / Level 2 Certificate - Aircraft Mechanic Airframe Associate of Applied Science: Automated Industrial Processing / Level 1 Certificate - Manufacturing Maintenance Associate / Level 1 Certificate - Automated Industrial Process Associate / Level 2 Certificate - Automated Industrial Process Mechatronics Mechanic Associate of Applied Science: Welder/Welding Technologist / Level 1 Certificate - Welding Entry Level, Certificate 1 / Level 1 Certificate - Inter Gas GTAW/GMAW Welder (MSGW) / Level 1 Certificate - Structural/Pipe Layout Associate of Science with Emphasis in Engineering / Industry-Based Certification Autodesk AutoCAD, Inventor, and Revit

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

St. Philip's College has entered a memorandum of understanding whereby each party will ensure college credit earned appears on the student's transcripts as they complete each course with the transcription of high school credit awarded as the school district's responsibility. The school district determines how the college grades will be recorded in the high school transcript for GPA and ranking purposes. Students will be advised from: SAISD staff (counselors, P-Tech Coordinator, College Bound

Advisors, etc.) while also having access to all services available for college students on the St. Philip's College campus. Advisement sessions will assist students in identifying and completing courses that will be applicable for transfer towards their degree plan. For example, the engineering dual credit courses taken by the student will vary depending on which University and engineering Bachelor's degree they plan to pursue. Updated Transfer Advising Guides will be used to assist with course planning and selection for each year of the P-TECH program. The P-TECH students will have access to student services and facilities as regular college students, including but not limited to the use of academic and support facilities including the library, computer labs, study rooms, student services, bookstore, and food services. An introduction to college resources will be included in the summer bridge and orientation process each year.

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.

St. Philip's College has entered a memorandum of understanding whereby they will not be held responsible for the transportation of students, the school district will provide such transportation as it is required and will follow the school district rules and procedures. Either party may terminate the MOU through written notice to the other party given not later than the last day in December and to be effective for the ensuing academic fall semester. In the event of termination, the Leadership Team will prepare an agreeable plan of dissolution in accordance with all applicable Laws to be submitted and approved by the Leadership Council.

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

St. Philip's College has entered a memorandum of understanding whereby stating, in accordance with Applicable Law, School District will maintain student records pertaining to P-TECH and provide College copies of the grades, progress, and other informational data on student assessment, promotion, retention, award of diplomas, and other student data necessary and advisable for College to perform its obligations under this MOU. Each party will be responsible for maintaining student records and records pertaining to the Program in conformity with the Texas Record Retention laws and the federal FERPA. Each Party designates the other Party as its agent with a legitimate educational interest in students' education records for purposes of FERPA, and each Party agrees in its capacity as such agent to comply with the FERPA requirements set forth, without limitation, at 20 CFR 99.33. Each party shall institute policies and procedures reasonably designed to ensure that its employees and agents comply with these and all other federal and state laws, including, without limitation, FERPA, governing the rights of P-TECH students with respect to educational records, and shall protect student education records against accidental or deliberate re-disclosure to unauthorized persons. College credit for each P-TECH student appears on the College transcript as students complete each college course. Transcription of college credit is the responsibility of the College and transcription of high school credit is the responsibility of the School District.

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

HEB

TX-FAME

Narratives: Regional Workforce Alignment, Work-Based Learning

Work-Based Learning

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

9th Grade Activities

Summer Bridge Program - Career Exploration (in-person or virtual)

Student Digital Portfolio - Year 1 - Professional and Technical Skills

Guest Speakers & Workplace Visits (in-person or virtual)

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

Aircraft Mechanics and Service Technicians

Industrial and Electrical Engineering Technicians
Regional High-Demand Occupation

Industrial and Mechanical Engineers

Machinists

Welders, Cutters, Solderers and Brazers

Narratives: Advanced Academics

Advanced Academics

Select the type of advanced courses (dual credit/AP/IB) your campus plans to offer students in 2021-2022.

DC

AP

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

WECM

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?

Highlands High School has prioritized hiring instructors with potential for dual credit adjunct approval with St. Philip's College. We have 3 instructors pending approval to teach the CTE dual credit courses and have 5 instructors either approved or pending approval for dual credit courses in Math, Social Studies, English, Fine Arts, and Communications. We will begin recruitment soon for a welding instructor with potential for dual credit adjunct approval and will work with St. Philip's College and industry partners to advertise and recruit for this position.

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
Schoollinks College and Career Profile	Students will complete college and career research on Schoollinks platform to develop long and short terms goals.
AVID Academic Monitoring and Study Skills	Students will monitor grades and attendance bi-weekly during AVID course and will develop study skills through AVID course work. Teachers will assist students in developing a plan for tutorials or study groups to address academic challenges.
Tutorials and Interventions	Before school, after school and Saturday tutorial schedule will be developed for students needing academic support.
Industry Mentor Program	Students will be provided with industry or college student mentors to help with college/career and academic support as well as building purpose/motivation to persevere through challenges.

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
SEAD - Social, Emotional, and Academic Development Curriculum	SAISD SEAD department curriculum will be embedded into AVID courses to support student development of social/emotional skills and maturity.
Communities in Schools San Antonio	Students will have the opportunity to join the Communities in Schools program for additional academic, social/emotional and wellness support.
Counseling and Social Worker Referrals	Social service referrals will be provided to students based on teacher or student request and monitoring through bi-weekly check-ins. A dedicated guidance counselor has already been selected for the P-TECH.

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

Regular program monitoring and interventions will be completed throughout the program. P-TECH reports on all benchmarks will be built and requested at least quarterly and addressed during the

Leadership Team meetings as well as within the student support subcommittee meetings. The SAISD Office of Innovation will provide Access data and the SAISD Data Management team will provide achievement and attainment data. A student tracking and support system will be developed based on this data. Key individuals who will develop and implement this system include: P-TECH Coordinator, P-TECH Work-Based Learning Specialist, Associate Principal, Counselor, FACE Specialist (Family and Community Engagement), STEM Teachers, AVID Teachers, St. Philip's College HS Programs Coordinator. At the end of each year, a program evaluation and improvement process will take place in June to identify remediation needed and improvement plan for the following year.

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
Target Population - BM 2 - Element 6	Through robust marketing efforts (information sessions, physical mailers, middle school engagement, press release, etc.), Highlands P-TECH will recruit a large group of applicants including subpopulations of at-risk students as described in the blueprint.
Curriculum, Instruction, and Assessment - BM 4 - Elements 3,5,6	The curriculum subcommittees will ensure that engaging and rigorous instruction is prepared to welcome the first cohort of students by developing a course curriculum/resources guide as well as a staff development plan.
Student Support - BM 6 - Elements 1,2	A detailed plan for student support will be developed to address the needs for student advising (pathway and course selection) as well as academic monitoring and interventions throughout the program.

Narratives: Benchmark 1 Products,
 Benchmark 2 Products, Benchmark 3
 Products, Benchmark 4 Products,
 Benchmark 5 Products, Benchmark 6

Products, Benchmark Products

Benchmark Products

Benchmark 1 Products

Provide a link to the academy's mentor/induction program plans.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's annual training or professional development plan with the academy and IHE faculty

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's leadership meeting agendas and notes.

<https://schools.saisd.net/page/005.ptech>

Benchmark 2 Products

Provide a link to the academy's written admission policy and enrollment application

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's written recruitment plan including a timeline of recruitment and enrollment events, and recruitment materials for distribution at feeder schools and other appropriate locations in the community.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's brochures and marketing in Spanish, English, and/or other relevant languages.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's written recruitment plan including a timeline of recruitment and enrollment events, and recruitment materials for distribution at feeder schools and other appropriate locations in the community.

<https://schools.saisd.net/page/005.ptech>

Benchmark 3 Products

Provide a link to the academy's meeting agendas and minutes, with action items and decision logs.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's final, signed, and executed MOU with their industry partner/business.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's final, signed, and executed MOU with their IHE

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's list of strategic partners with each member's organization, title and role in providing work-based learning for students by grade level.

<https://schools.saisd.net/page/005.ptech>

Benchmark 4 Products

Provide a link to the academy's four-year crosswalk document

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's master schedule.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's curriculum alignment documents.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's testing calendar and schedule for TSI, ACT, SAT or other assessments.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's documentation detailing a minimum of three course of study examples that outline student pathways from high school, to associate degrees, to work credential and beyond.

<https://schools.saisd.net/page/005.ptech>

Benchmark 5 Products

Provide a link to the academy's documentation of appropriate work-based learning experiences for students at all grade levels.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's current dated regional high demand occupation list.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's aggregate data describing student participation in work-based learning experiences as well as percentage of students earning industry certification and credentials by type.

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's samples of student artifacts such as writing, portfolios, presentations, or links to digital content.

<https://schools.saisd.net/page/005.ptech>

Benchmark 6 Products

Provide a link to the academy's bridge program calendar and curricula.

<https://schools.saisd.net/page/005.ptech>

Provide a link the academy's tutoring and other intervention/remediation program schedules,

<https://schools.saisd.net/page/005.ptech>

Provide a link to the academy's calendar of family outreach events.

<https://schools.saisd.net/page/005.ptech>
