



Edinburg Collegiate Prep TSTEM/Early College High School

T-STEM Renewal Application

2018-2019

Contents

[Background](#)

[Contacts](#)

[Narratives](#)

[Download Assurances Signature Page](#)

Background

District Affiliation

EDINBURG CISD

DC #: 108904

Region: 01

Mailing Address (Line 1): P O BOX 990

Mailing Address (Line 2):

City, State, Zip: EDINBURG, TX 78540

School Affiliation

EDINBURG H S

CDC #: 108-904-001

Region:

Mailing Address (Line 1): P O BOX 990

Mailing Address (Line 2):

City, State, Zip: EDINBURG, TX 78540

Academy Information

T-STEM Academy Name:

Edinburg Collegiate Prep TSTEM/Early College High School

What grade level range will your academy serve in the 2018-2019 school year?

9-12

Grade Level	Number of Students
9	50
10	50
11	50

Contacts

Business Partner

Affiliation: Doctor Hospital at Renaissance
Job Title: Executive Senior VP Chief Operations Officer
Full Name: Mrs. Marissa Castaneda
Email: m.castaneda@dhr-rgv.com
Phone Number: 956-362-3102

Superintendent

Job Title: Superintendent
Full Name: Dr. Rene Gutierrez
Email: rene.gutierrez@ecisd.us
Phone Number: 956-289-2300

Applicant

Job Title: Director
Full Name: Mr. Louis Dominic Pena
Email: dom.pena@ecisd.us
Phone Number: 956-289-2400

IHE Liaison

Affiliation: South Texas College
Job Title: Director of the Early College High Schools
Full Name: Ms. Sofia Pena
Email: Sofia21@southtexascollege.edu
Phone Number: 956-872-2303

Narratives

Model Implementation

Which T-STEM model does the district intend to implement at this time? Within these models, there are variations. For this purpose campus is defined as a CDC number not a physical location.

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

Endorsements

Identify the current endorsements that are offered:

- Science, Technology, Engineering, and Mathematics (STEM)
- Business and Industry
- Public Services
- Arts and Humanities
- Multi-disciplinary Studies

Industry Certificates

Identify all industry certificates offered to students.

Certificate	Description
Adobe Certified Associate Dreamweaver	Adobe Dreamweaver software is the industry standard for creating and editing compelling HTML rich media websites and mobile apps. Through the use of Fluid Grid Layout, designers construct co
Adobe Certified Associate Illustrator	Adobe Illustrator software is the industry's premier vector-drawing environment for creating scalable graphics. Digital media gurus bring their unique vision to life with shapes, color, ef
Adobe Certified Associate In Design	Adobe InDesign is a powerful tool that sets the industry's new standard for print and digital page layout. Offering pixel-perfect control over design and typography, users can create elega
Adobe Certified Associate - Photoshop	Adobe Photoshop is the industry-standard image editing software, used worldwide by professional photographers, amateur photographers, and designers who want to perfect their digital images b
Adobe Certified Premiere Professional	With the rapid advancement of video and multi-media technology, Adobe Premiere Pro helps produce and edit productions more fluidly than ever before. And users don't need a box-office budge
American Welding Society	Manufacturing
Apple Final Cut Pro	Final Cut Pro X 10.3 is a revolutionary video-editing application that helps beginners and seasoned professionals achieve stunning results. In this 3-day, hands-on course, you'll become fa
ASE Automotive Maintenance & Light Repair	Automotive Service Excellence Transportation, Distribution & Logistics
ASE Brakes	Automotive Service Excellence Transportation, Distribution & Logistics
ASE Electrical Systems	Automotive Service Excellence Transportation, Distribution & Logistics
ASE Engine Repair	Automotive Service Excellence Transportation, Distribution & Logistics
ASE Heating and A/C	Automotive Service Excellence Transportation, Distribution & Logistics
Basic life Saver	The BLS Instructor-led course teaches both single-rescuer and team basic life support skills for application in both prehospital and in-facility environments, with a focus on High-Quality CP
Cosmetology	The cosmetology lab courses allow students additional lab time to develop proficient and mastery level cosmetology skills and techniques as required by Texas Department of Licensing and Regu
Certified Nurses Assistant	Health Science
CPR	Get CPR certified – and be prepared to help. As part of our mission to train people how to respond to and prepare for emergencies, we offer CPR certification classes that can help you prov
C-Tech Introduction to Net. Cab. - Fiber Optic	Through a challenging curriculum encompassing design, installation, repair, and maintenance of high speed data systems, students gain the knowledge and skills necessary to become employed in
Drilling & Well Completion Certification	Oil and Gas Production III will provide students with the fundamentals of hydraulics and related systems. In this course, students will study well control practices applicable to drilling, c
Emergency Medical Technician	Emergency Medical Technician (EMT)—Basic instructs students to meet and exceed standard knowledge needed to be a valid Emergency Medical Technician. The curriculum includes skills necessar
Internet and Computing Core IC	he Internetworking Technologies I course is normally comprised of the courses called Cisco CCNA R&S: Introduction to Networks (CCNA 1) and Cisco CCNA R&S: Routing and Switching Essentials (C
Microsoft Office Specialist Access	Certified thru Certiport/Microsoft under the Career Cluster of Business Management & Administration
Microsoft Office	Certified thru Certiport/Microsoft under the Career Cluster of Business Management & Administration

Specialist Excel	
Microsoft Office Specialist Powerpoint	Certified thru Certiport/Microsoft under the Career Cluster of Business Management & Administration
Microsoft Office Specialist Word	Certified thru Certiport/Microsoft under the Career Cluster of Business Management & Administration
NCCER Construction Technology Level	National Center for Construction Education and Research Architecture & Construction
Pharmacy Technician	Health Science
Phlebotomy	National Healthcare Association/TX - DAD-SWTJC Health Science
Servsafe Food Handlers	ServSafe is an educational program that was developed by the National Restaurant Association (NRA). It's main goal is to educate food service workers about food safety. But it's not just
ServSafe Food Manager Certification	ServSafe is an educational program that was developed by the National Restaurant Association (NRA). It's main goal is to educate food service workers about food safety. But it's not just
PC Pro Certification	PC Pro certification is to verify necessary skills to work as an IT support professional. In an IT support job, you'll be asked to install, repair, configure, secure, and manage computer h
TSFA Floral Design Certification Level 1	In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific o
TSFA Floral Design Knowledged Based Certification	In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced floral design concepts, with an emphasis on specialty designs and specific o

Level One Certificates

Identify all level one certificates offered to students.

Certification	Description
Computer Applications	This course is an introduction to computer programming using Visual BASIC. Emphasis is placed on the fundamentals of structured design, development, testing, implementation, and documentatio
Computer Internet Specialist	This course is an in-depth study in the designing, installing, and administration of Windows and Linux-based servers. Use of scripting languages to administer servers will be used.
Emergency Medical Technician	This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts in a hospital clinical setting. Direct
Multimedia	The Multimedia Specialist Certificate is intended for students who are interested in the multimedia side of technology. In addition to gaining experience with business productivity software

Level Two Certificates

Identify all level two certificates offered to students.

Certification	Description
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Key Elements for Success

Provide a link to the job description, roles of design team, leadership team, and advisory board.

<http://ehs.edinburg.schooldesk.net/Portals/Edinburg/EdinburgHigh/docs/ECHSDOCS/T-Stem%20Leadership%20Team.docx?ver=2018-04-03-120024-200>

Provide a link to your mission statement.

<http://ehs.edinburg.schooldesk.net/Collegiate-Prep>

Provide a link to the final, signed, and executed MOU.

<http://ehs.edinburg.schooldesk.net/Portals/Edinburg/EdinburgHigh/docs/Current%20MOU.pdf?ver=2018-04-11-173111-687>

Provide a link to the academy's master schedules.

<http://ehs.edinburg.schooldesk.net/Portals/Edinburg/EdinburgHigh/docs/ECHSDOCS/ECHS%20TSTEM%20Master%20Schedule.pdf?ver=2018-04-04-175241-963>

Provide a link to the academy's Student IGPs with CCRS and Performance Acknowledgement Plans.

<http://ehs.edinburg.schooldesk.net/Portals/Edinburg/EdinburgHigh/docs/TEXAS%20GRADUATION%20TOOLKIT.pdf?ver=2018-04-11-181221-883>

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

<http://ehs.edinburg.schooldesk.net/LinkClick.aspx?fileticket=1eOq13mDQwM%3d&portalid=550>

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

<http://ehs.edinburg.schooldesk.net/Collegiate-Prep>

Provide a link to the academy's description of instruction practices.

<http://ehs.edinburg.schooldesk.net/Collegiate-Prep>

Provide a link to the academy's STEM-focused extracurricular activities.

<http://ehs.edinburg.schooldesk.net/Portals/Edinburg/EdinburgHigh/docs/ECHSDOCS/CTE%20Organizations%20CTSO.docx?ver=2018-04-12-161128-457>

Provide a link to the academy's internship and externship opportunities.

<http://www.dhr-rgv.com/Giving-Volunteering/Volunteer-Services>

Provide a link to the academy's Senior Capstone Project description.

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130o.html#130.417>

Provide a link to the academy's Student Portfolio Plans.

<http://ehs.edinburg.schooldesk.net/Organizations/Avid-Club>

Provide a link to the academy's Academic Literacy Plan.

<http://ehs.edinburg.schooldesk.net/>

Provide a link to the academy's Assessment strategy.

<http://ehs.edinburg.schooldesk.net/Portals/Edinburg/EdinburgHigh/docs/Academy%20Assessment%20Strategy.pdf?ver=2018-04-12-110657-353>

Free-Response

Describe how the Academy will recruit, support, and retain highly qualified teachers.

The ECHS has established monthly team leadership meetings during our zero period planning to discuss present matters, concerns, best practices and the Blue Print. Our School with in a school model also allows us to extend our planning learning communities to the comprehensive high school every Monday to inform on district initiatives and best practices outside the ECHS. We also incorporate our staff as part of the planning process by including them in scheduling and keeping them as active stakeholders in regards to instruction, course work, tutoring, community service and fundraising. Teachers are offered staff development regularly on innovative teaching practices including:

1. Educate Texas – Early College Network of Professional Development
2. ECHS Best Practices Conference in Galveston and at South Padre Island
3. Professional Development with Region One

Our ECHS director and counselor provides a walk-in opportunity for our staff members to address pressing classrooms concerns, social issues and support.

Describe the current STEM pathways available at the academy.

Our STEM Career Pathways is a combination of our Career and Technology strands along with certifications and dual credit classes that work together to bring the connections between high schools, college universities and the workplace. Our STEM pathways offer multiple opportunities to explore and prepare for successful careers in the STEM fields. Our Career and Technology Department and our institute of higher education has played an important role in this process.

Under Science Technology Engineering and Mathematics Edinburg Collegiate T-STEM Early College offer:

Engineering and Electronics Pathway:

Under Business and Industry Edinburg Collegiate T-STEM Early College offer:

Agricultural Science Pathway:

Agricultural Equipment and Fabrication Pathway

Plant Systems Pathway

Construction Pathway

Animation pathway

AV Production Pathway

Commercial Photography Pathway

Graphic Design Pathway

Video Game Design Pathway

Business Information Pathway

Accounting Pathway

Culinary Arts Pathway

Computer Maintenance Technician Pathway

Flexible Manufacturing Pathway

Welding Pathway

Auto Collision Repair Pathway

Automotive Technology Pathway

Under Public Services Edinburg Collegiate T-STEM Early College offers

Education Pathway

Health Science Pathway

Cosmetology Pathway

Criminal Justice Pathway

Describe how strategic alliances with industry partners and IHEs will support the Academy. The description should include details regarding the role of each IHE, business, and/or community partnership; along with parent/family partnerships and communication conventions with the Academy.

T-STEM ECHS and the COLLEGE shall provide a course of study that enables a participating student to receive a high school diploma and either an associates degree of 60 semester hours towards a bachelor degree during grades 9 - 12. The COLLEGE will give credit for courses taken for dual credit and earned with approval Dual Enrollment Faculty (DEF) or South Texas College Faculty with primary emphasis on the Core Curriculum requirements for all Associate of Arts and Associate of Science Degrees. T-STEM ECHS student will receive an academic degree plan upon the completion of a career and program of study interest inventory. If eligible, a T-STEM ECHS student may simultaneously complete their Core Curriculum and courses for field of study according to the COLLEGE suggesting of course sequencing and degree. Such courses shall have been evaluated and approved through the official COLLEGE curriculum approval process and shall be taught at the college level enrollment in courses outside of the students selected degree plan will requir approval from the T-STEM ECHS and the COLLEGE prior to enrollment in the course

Describe the Academy's work-based and contextual learning in the curriculum.

Edinburg Collegiate Prep T-STEM Early College High School is focused on graduating students within four years along with the opportunity to earn up to 30 college credits via our dual, advanced placement, and concurrent programs. Our student will also have the opportunity to be exposed to project based curriculum helping them understand how to solve real world issues that are embedded in their lessons. The project based learning with also expose them to collaboration, teamwork, creativity and imagination as it taps in their critical thinking skills. Beginning in the 9th grade our students are enrolled in an AVID class that not only preps our students to the strategies needed for college but also develops the basic principals of project based learning. In the 10th grade students have the opportunity to take part in our career and technology strands exposing them to work placed interests. At the 11th grade, Students are prepared to begin taking dual classes that are focused towards their pathway. 12th grade students continue to work towards their pathway and while completing their general core classes.

Describe the STEM-focused extracurricular activities (field experiences, clubs, and competitions) offered to students.

Students will be given the opportunity to engage in STEM-related internships and externships during their Junior and Senior year. During this engagement, student will get real-life experiences in their selected field as they work hand in hand with professionals. Furthermore, students will have the opportunity to join Career and Technology /STEM related clubs and organizations and take leadership roles within these organizations. Currently Edinburg Collegiate has HOSA, FFA, FCCLA, BPA, Robotics, Criminal Justice and Skills USA. Student outcomes and project based assessments will be aligned to state and industry standards that will support college and career readiness standards as well as reinforce 21 Century Skills .