





Department of Curriculum, Instruction & Accountability 1900 Price Road • Brownsville, Texas 78521 • (956) 548-8121

Dr. Norma Ibarra-Cantú Executive Director Secondary Education

#### **ECHS/P-TECH Leadership Cabinet Meeting**

September 7, 2023 3:00 p.m.

#### I. Texas College & Career Readiness School Models (CCRSM)

- a. Overview
- b. Revised blueprints
- c. Designation Applications
  - i. Application deadline: TBD
  - ii. C&I will obtain signatures for assurance letters from BISD and IHEs
  - iii. P-TECH campuses are responsible for signatures from their industry partner(s)
- d. Regional Convening-October 3, 2023
- e. New leader resources

#### II. Early College High School (ECHS)/Dual Enrollment

- a. Spring 2023 Associate Graduates
- b. Dual Enrollment program data
- c. Recruitment
  - i. Ensure students have correct coding on PEIMS
  - ii. Middle school recruitment
- d. TSIA2
  - i. 2022-2023 Cumulative Reports
  - ii. District Resources
  - iii. Units will be provided for ECHS and P-TECH cohorts
  - iv. Yearlong courses
  - v. TSIA2- Middle School
    - 1. All 8th graders take PAA- September 25- November 3, 2023
    - 2. All 8<sup>th</sup> graders take TSIA2 ELAR- November 6- December 21, 2023
    - 3. 8th graders in Algebra I take TSIA2 Math May 1-30, 2024
  - vi. 8 hours of tutorial required before retesting/ 10 hours for middle schools
  - vii. TSIA Meeting September 12, 2023
- e. Cohort scheduling
  - i. All cohort students must be enrolled in the AVID elective (9<sup>th</sup>-12<sup>th</sup> grades)
  - ii. Academic core classes should be Honors
  - iii. Cohort should not be double coded with regular students. May double code with STAMP/STEM/SPACE

#### f. Adjuncts

- i. Must be assigned a BISD teacher of record
- ii. Check TSC Early Alerts
- g. AVID
  - i. CCI
  - ii. Initial Campus Data
  - iii. Visitations for Hanna, Porter, Pace and Vets from AVID Leadership
  - iv. AVID Elective Teachers PLCs and on-going Professional Development
  - v. Initiatives-- G-Force and TSIA2

#### III. Pathways in Technology Early College High School (P-TECH)

- a. Review of P-TECH blueprint for continuous improvement efforts.
- b. Overview of pathways offered at each campus.
- c. Planning process to launch a new P-TECH program

#### IV. Texas Southmost College (TSC)

- a. Fall 2023 Enrollment
- b. Fall 2023 Sections and Faculty
- c. Spring 2024 Spring Sections
- d. Fall 2023 Faculty Rosters Verification
- e. TSC Calendar/Deadlines
- f. College Transition Coaches Update
- g. Dual Programs Symposium

#### V. Texas State Technical College (TSTC)

a. Career Pathways

#### VI. University of Texas Rio Grande Valley (UTRGV)

- a. Year in Review 22-23
- b. Timeline-Summer 2024
- c. Admissions Criteria
- d. Application Process
- e. Secondary Educational Partnerships Staff



# ECHS/P-TECH Leadership Cabinet Meeting September 7, 2023



Mission Statement



### College and Career Re

College and Career Readines: Models (CCRSM)

- Early College High School (E
- Pathways in Technology Ear High School (P-TECH)

The Brownsville Independent School District will graduate students who are prepared to excel in higher education and successfully pursue career opportunities in a changing global society by maximizing resources to ensure equitable opportunities for all students.

#### **CCRSM Strategic Mission**

"Build and support innovative high schools that provide a structured program, which leads students to graduate with postsecondary outcomes"



READINESS SCHOOL MODELS



### **Overview**





Provides 60 hours, tuition free college courses



Increases college readiness and reduces barriers to college access



Offer rigorous coursework with academic and social supports





Partners with regional Institutions of Higher Education and businesses



Includes work-based learning experiences



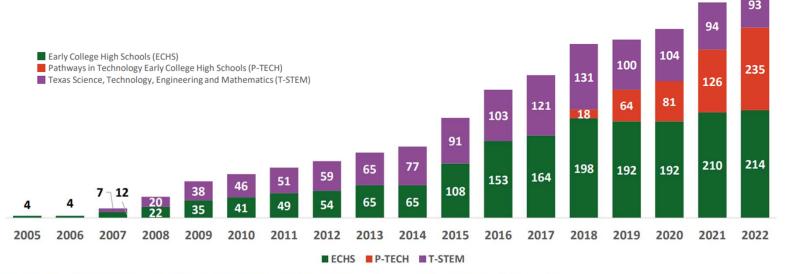
Provides a post-secondary certificate or industry certification



### **Overview**

### **Growth of the CCRSM Network**

Designated and Planning CCRSM Campuses, 2004-2005 through 2021-2022



Notes and Sources: Annual portfolio size data from TEA. Beginning in 2019, campuses in their planning year are included in the portfolio, as they receive technical assistance during that year despite not serving students. Planning Campuses who have chosen not to pursue designation at some point during the year are excluded from counts. Campuses designated or planning for more than one model type are counted in each model group (i.e. a campus with cohorts of students in both T-STEM and ECHS appears in both the T-STEM count and the ECHS count).

## **Revised Blueprints**





SCAN FOR ECHS BLUEPRINT





SCAN FOR P-TECH BLUEPRINT



### **Revised Blueprints**

Located on Back of Name Tents

## **CCRSM Blueprints – ECHS and P-TECH**

	Re-Aligned CCRSM	Benchmarks
Benchmark 1	School Design	<ul> <li>School Structure</li> <li>Leadership Teams and Advisory Councils</li> <li>Staff Capacity</li> </ul>
Benchmark 2	Partnerships	<ul><li>Institutions of Higher Education</li><li>Business/Industry (P-TECH)</li></ul>
Benchmark 3	Target Population	<ul><li>Recruitment</li><li>Enrollment</li></ul>
Benchmark 4	Academic Infrastructure	<ul><li>Courses</li><li>Assessments</li></ul>
Benchmark 5	Student Supports	<ul><li>Academic Support</li><li>Multi-Tiered System of Support</li></ul>
Benchmark 6	Work-Based Learning	Work-Based Learning at every grade level

## **Revised Blueprints**

Located on the bottom of Name Tents



### **CCRSM Outcomes-Based Measures (OBM)**

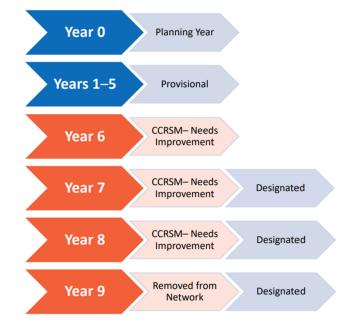
- Outcomes-Based Measures (OBMs)
  - Access: Student representation within the CCRSM program
    - Must meet both At-Risk and Economically Disadvantaged (2)
  - Achievement: Student achievement through high school-based opportunities
    - Must meet three Achievement data indicators (3)
  - Attainment: Student attainment of postsecondary opportunities such as College Credit, Level I or II Certificates, Core Completion, Associate Degree or Industry-Based Certifications
    - Must meet three Attainment data indicators (3)

### **Revised Blueprints**



### **Revised CCRSM Designation Status Pathways**

#### **CCRSM Designation Status with TEA Remediation**



#### **Needs Improvement:**

- In year <u>6</u>, work with TEA in addition to Technical Assistance from vendor to improve data indicators
- In year <u>7</u>, use year 6 data to determine if campus met Designation standards
- In year <u>8</u>, use year 7 data to determine if campus met Designation standards
- In year <u>9</u>, campus will be <u>removed from</u>
   <u>CCRSM network</u> if Designation Standards
   are not met or will be "Designated" if data
   indicators are met that meet the standards
   for Designation

## **Revised Blueprints**





SCAN FOR ECHS BLUEPRINT





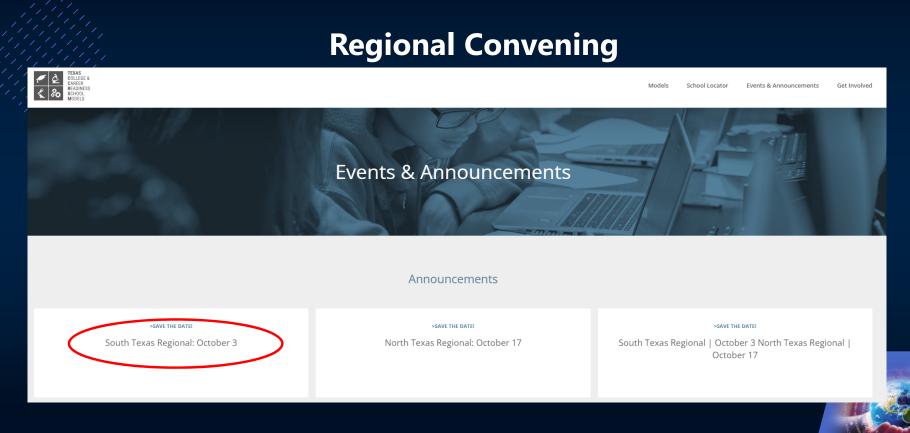
SCAN FOR P-TECH BLUEPRINT

### **Designation Applications**

- Deadline TBD. Online portal is having technical issues.
- Dept. of CI&A will obtain signatures for assurance letters from BISD and IHEs
- P-TECH campuses are responsible for signatures from their industry partner(s)



Benchmark 1: School Design Benchmark 2: Partnerships OBM: Access, Achievement. Attainment



Benchmark 1: School Design
OBM: Access, Achievement, Attainment

### **New Leader Resources**



2023 New Leader Convening Slide Deck



Sign up for the CCRSM Listserve



Join CCRSM
Community of Practice

Benchmark 1: School Design
OBM: Access, Achievement, Attainment



### **Spring 2023 Graduates**

### 2022-2023

	Projected at Beginning of 2022-2023	Final Degrees Conferred 2022-2023	Difference from BEG of Year
BECHS	72	63	-12.50%
Hanna ECHS	36	26	-27.70%
Lopez ECHS	19	27	42.10%
Pace ECHS	66	60	-9.09%
Porter ECHS	35	14	-60.00%
Rivera ECHS	72	66	-8.30%
Veterans ECHS	50	49	-2.00%
District Total:	350	305	-12.80%

### 2023-2024

	Projected at Beginning of 2023-2024	Final Degrees Conferred 2023-2024	Difference from BEG of Year
BECHS	79		
Hanna ECHS	51		
Lopez ECHS	44		
Pace ECHS	60		
Porter ECHS	28		
Rivera ECHS	71		
Veterans ECHS	49		
District Total:	382		



### **Program Data**

### **Enrollment by Semester**

				2022	-2023									
	Fa	all	Spr	ring	Sum	mer I	Sumi	mer II						
	TSC	UTRGV	TSC	UTRGV	TSC	UTRGV	TSC	UTRGV						
BECHS	82	167	202	161	82	28	21	23						
Hanna ECHS	321		385		221	1	112	1						
Lopez ECHS	337		320		80	7	42	4						
Pace ECHS	339		465	1	153	1	91	1						
Porter ECHS	297		314		100	0	57	0						
Rivera ECHS	467		581		198	0	129	0						
Veterans ECHS	567		671		293	13	167	8						
District:	2410	167	2938	162	1127	50	619	37						
		District Annual Total: 7,510												

### **Credits Earned per Semester**

					2022-202	23					
	Fa	all	Spri	ng	Sum	mer I	Summer II				
	TSC	UTRGV	TSC	UTRGV	TSC	UTRGV	TSC	UTRGV			
BECHS	246	1979	1065	1515	291	88	63	59			
Hanna ECHS	1368		2055		1032	3	471	3			
Lopez ECHS	1239		1823		363	28	165	4			
Pace ECHS	1453		2626	3	727	6	374	6			
Porter ECHS	1244		1619		503		256				
Rivera ECHS	2007		3111		910		495				
Veterans ECHS	2068		3513		1444	63	750	37			
District:	9625	1979	15812	1518	5270	188	2574	109			
	District Total: 37,075										





### Recruitment

#### **Coding for ECHS PEIMS Snapshot**

#### Definition:

ECHS-INDICATOR-CODE (E1560) indicates whether a student is enrolled in an Early College High School (ECHS) as defined in TAC 102.1091.

ECHS-INDICATOR-CODE is reported for students in grades 9-12.

ECHS-INDICATOR-CODE is reported in PEIMS Submissions 1, 3, and 4.

A list of approved Early College High Schools is available as a link with the latest release of the Texas Education Data Standards.

#### For PEIMS Fall Submission (1):

For Submission 1, the ECHS -INDICATOR-CODE reflects the student's enrollment in an Early College High School (ECHS) as of the PEIMS Fall snapshot date.

#### For PEIMS Summer Submission (3) and Extended Year Submission (4):

For Submission 3 and 4, the ECHS-INDICATOR-CODE reflects the student's enrollment in an Early College High School (ECHS) at any time during the school year.

#### Coding the students shown below:

#### Menu>Registration> PEIMS Enrollment Indicator > ECHS Indicator

- 1. Search Student on eSchoolPlus
- Go to Registration > PEIMS Enrollment Indicator > ECHS Indicator Click on Not Assigned



3. Click Value and enter Start Date. Don't forget to SAVE.



#### Coding for P-TECH PEIMS Snapshot

#### Definition:

P-TECH-INDICATOR-CODE (E1612) indicates that a student in grades 9-12 is participating in the Pathways in Technology (P-TECH) Early College High School program.

The P-TECH Indicator Code is limited to approved LEA campuses by application to TEA. A list of approved P-TECH programs is available as a link with the latest release of the Texas Education Data Standards.

The P-TECH program is limited to students in grades 9-12. Students below grade 9 will not report the P-TECH Indicator Code.

The P-TECH Indicator Code is collected in PEIMS Submissions 1, 3 and 4.

#### For PEIMS Fall Submission (1):

For Submission 1, the P-TECH INDICATOR-CODE reflects the student's participation in the Pathways in Technology (P-TECH) Early College High School program as of the PEIMS Fall snapshot date.

#### For PEIMS Summer Submission (3) and Extended Years Submission (4):

For Submission 3 and 4, the P-TECH INDICATOR-CODE reflects the student's participation in the Pathways in Technology (P-TECH) Early College High School program at any time during the school vear

#### oding the students shown below:

#### Menu>Registration> District-Defined PEIMS Career Tech > P-Tech Indicator

- 1. Search Student on eSchoolPlus
- 2. Go to Registration > District-Defined PEIMS Career Tech > P-Tech Indicator

Click on Not Assigned

Service ID

Contact Hours

Displaced Homemaker Indicator

Completed CTE Course

Override Completed CTE Course

P-TECH Indicator

Not Assigned

Not Assigned

3. Click Value and enter Start Date. Don't forget to SAVE.



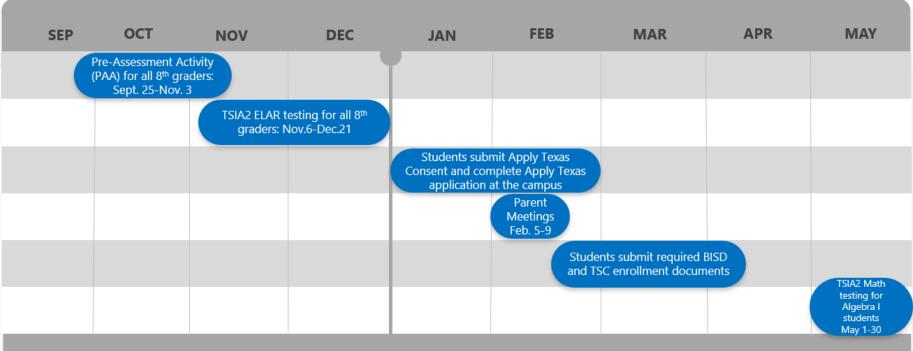
## Recruitment

#### 8th Grade Recruitment

	2	019-202	0	20	20-2021	L	2	021-202	2	2	022-202	3	
	ECHS	DE	PTECH										
Besteiro	44	12		40	10		65	3		45	0		
Faulk	51	52		21	18	7	21	91	17	16	52	8	
Garcia	148	42		60	42		49	39		30	53		
Lucio	86	29		72	25			59		68	44		
Manzano	44	88		15	52		37	36	26	76	51	4	
Oliveira	51	83	7	28	25	9	30	52	8	25	83		
Perkins	27	43		45	7		87	6		60	19		
Stell	124	12	7	63	11		83	12		120	2	2	
Stillman	36	121		29	90		34	181		24	119		
Vela	5	80	4	22	40	8	17	69	1	1	124		
District:	616	562	18	395	320	24	423	548	52	465	547	14	
District Total:		1,196			739			1023		1026			



## ECHS/ P-TECH/ Dual Enrollment 8<sup>th</sup> Grade Recruitment



Dates tentative to TSC deadlines. Campuses may continue to administer TSIA2 ELAR to new students to the district interested in dual enrollment.

## TSIA2

#### TSI ECHS Report

ECHS 9th			ELAR			Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass	
B'ville Early College Hs	84	80	51	61%	79	40	48%	77	33	39%	39%	
Hanna High School	47	44	25	53%	30	17	36%	29	16	34%	34%	
Lopez High School	68	68	24	35%	50	8	12%	50	8	12%	12%	
Pace High School	66	66	22	33%	57	13	20%	57	11	17%	17%	
Porter High School	10	10	2	20%	10	3	30%	10	2	20%	20%	
Rivera High School	90	90	12	13%	57	12	13%	57	5	6%	6%	
Veterans Memorial H S	46	46	15	33%	34	14	30%	34	9	20%	20%	
Total	411	404	151	37%	317	107	26%	314	84	20%	20%	

ECHS 10th	ECHS 10th				Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass
B'ville Early College Hs	94	86	77	82%	84	70	74%	84	64	68%	68%
Hanna High School	36	34	23	64%	33	19	53%	32	18	50%	50%
Lopez High School	91	90	50	55%	75	28	31%	74	24	26%	26%
Pace High School	60	52	32	53%	59	35	58%	51	26	43%	43%
Porter High School	20	16	6	30%	15	5	25%	13	5	25%	25%
Rivera High School	89	85	50	56%	86	41	46%	83	35	39%	39%
Veterans Memorial H S	34	31	19	56%	33	18	53%	31	16	47%	47%
Total	424	394	257	61%	385	216	51%	368	188	44%	44%

ECHS 11th	1	ELAR				Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass	
B'ville Early College Hs	90	87	83	92%	87	72	80%	86	70	78%	78%	
Hanna High School	33	32	22	67%	26	18	55%	26	17	52%	52%	
Lopez High School	88	88	67	76%	86	57	65%	86	56	64%	64%	
Pace High School	96	96	70	73%	94	66	69%	94	59	61%	61%	
Porter High School	35	35	24	69%	34	23	66%	34	20	57%	57%	
Rivera High School	80	80	57	71%	76	53	66%	76	44	55%	55%	
Veterans Memorial H S	24	24	20	83%	22	16	67%	22	15	63%	63%	
Total	446	442	343	77%	425	305	68%	424	281	63%	63%	

ECHS 12th	1		ELAR			Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass	
B'ville Early College Hs	71	62	61	86%	61	58	82%	60	56	79%	79%	
Hanna High School	26	24	13	50%	23	17	65%	23	12	46%	46%	
Lopez High School	101	101	74	73%	99	65	64%	99	59	58%	58%	
Rivera High School	84	77	42	50%	73	42	50%	73	32	38%	38%	
Veterans Memorial H S	24	24	21	88%	23	18	75%	23	16	67%	67%	
Total	306	288	211	69%	279	200	65%	278	175	57%	57%	

#### TSI P-TECH Report

P-TECH 9th	h		ELAR			Math			All Subjects				
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass		
Hanna High School	6	6	0	0%	4	0	0%	4	0	0%	0%		
Lopez High School	1	1	0	0%	0	0	0%	0	0	0%	0%		
Pace High School	17	17	5	29%	12	4	24%	12	3	18%	18%		
Porter High School	13	12	2	15%	11	7	54%	11	2	15%	15%		
Rivera High School	1	1	0	0%	1	0	0%	1	0	0%	0%		
Veterans Memorial H S	14	14	1	7%	8	1	7%	8	0	0%	0%		
Total	52	51	8	15%	36	12	23%	36	5	10%	10%		

P-TECH 10th		ELAR			Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass
Hanna High School	17	17	9	53%	12	7	41%	12	6	35%	35%
Porter High School	25	25	6	24%	20	6	24%	20	3	12%	12%
Veterans Memorial H S	14	3	0	0%	5	0	0%	1	0	0%	0%
Total	56	45	15	27%	37	13	23%	33	9	16%	16%

P-TECH 11th		ELAR			Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass
Hanna High School	11	11	6	55%	10	6	55%	10	6	55%	55%
Porter High School	12	11	4	33%	8	6	50%	8	3	25%	25%
Total	23	22	10	43%	18	12	52%	18	9	39%	39%

P-TECH 12th		ELAR			Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Pass
Hanna High School	15	14	9	60%	13	8	53%	13	8	53%	53%
Total	15	14	9	60%	13	8	53%	13	8	53%	53%

#### **TSI Cumulative Report**

Grade 8		ELAR			Math			All Subjects			
Building	Active 6/29/2023	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	# Tested	# Pass	% Pass	% Grade Level Pass
Besteiro Middle School	187	173	15	8%	21	3	2%	21	2	10%	1%
Faulk Middle School	329	205	31	9%	51	23	7%	43	15	35%	5%
Garcia Middle School	330	314	23	7%	73	5	2%	71	1	1%	0%
Lucio Middle School	273	247	37	14%	31	13	5%	31	10	32%	4%
Manzano Middle School	316	297	31	10%	72	21	7%	71	15	21%	5%
Oliveira Middle School	300	286	31	10%	55	20	7%	55	11	20%	4%
Perkins Middle School	211	193	14	7%	19	5	2%	18	3	17%	1%
Stell Middle School	292	275	12	4%	52	1	0%	50	0	0%	0%
Stillman Middle School	375	364	55	15%	91	23	6%	89	14	16%	4%
Vela Middle School	253	235	46	18%	48	16	6%	47	15	32%	6%
Total	2866	2589	295	10%	513	130	5%	496	86	17%	3%

### TSIA2



# TSIA2 Resources



Educational technology platform available to middle and high schools. IXL provides skill alignments. Look for Skill Plans, click on Test Prep, and select



Embedded curriculum provided by a designated ELAR and math teacher at each middle school and high school site.

Tier I & Tier II



Upon completion of test, students are assigned Learning Locator™ codes that will deliver specific materials targeted to the growth areas identified on their Individual Score Reports. Find targeted materials using student codes at: https://accuplacer.pearsonperspective.com/perspective/landngPage

Benchmark 4: Academic Infrastructure OBM: Achievement

### TSIA2

- Yearlong courses- Math1314, ENGL1301
   Students that have not met TSI prerequisites for these courses should only be allowed to stay in the BISD dual enrollment course for the first six weeks.
   If the student has not passed TSI by 9/22/23, student needs to be moved into Algebra II or English III course.
- TSIA2- Middle School
   All 8th graders take PAA- September 25- November 3, 2023
   All 8th graders take TSIA2 ELAR- November 6- December 21, 2023
   8th graders Algebra I take TSIA2 Math- Deadline- May 1-30, 2024

### TSIA2

- 8 hours of tutorial required before retesting/ 10 hours for MS
- TSIA Meeting
   September 12, 2023
   3:30 p.m. 5:00 p.m.
   ARE Room 206



### **Cohort Scheduling**

- All ECHS cohort students must be enrolled in the AVID elective (9th-12th grades)
- Academic core classes should be Honors
- Cohort should not be double coded with regular students. May double code with STAMP/STEM/SPACE



## **Adjuncts**

- Must be assigned a BISD teacher of record
- Check TSC Early Alerts for progress

### **AVID**

- CCI
- Initial Campus Data
- Visitations for Hanna, Porter, Pace and Vets from AVID Leadership
- AVID Elective Teachers PLCs and on-going Professional Development
- Initiatives-- G-Force and TSIA2

## P-TECH \_\_\_\_

## **Review of P-TECH Blueprint**

## **P-TECH Blueprint - Texas CCRSM**



Benchmark 1: School Design OBM: Achievement, Attainment

### P-TECH

## **Benchmark 1- School Design**

Hanna: P-TECH - Hanna Early College High School (bisd.us)

Porter: P-TECH - Porter Early College High School (bisd.us)

Pace: P-TECH - Pace Early College High School (bisd.us)

Veterans: P-TECH - Veterans Memorial Early College High School (bisd.us)



## P-TECH =

## **Path to Designation**



#### Path to P-TECH Designation



#### Planning Yea

- Engage in 12-18 months of P-TECH planning.
- Recruit the first 9<sup>th</sup> grade P-TECH cohort.

#### ,

#### Provisional

- Grow cohorts, improve programming, and build strong partnerships.
- Implement all benchmark design elements.







#### Designated (Year 6)

Campuses that meet access, achievement, and attainment Designated OBMs and implement all design elements receive Designated status.



#### Year 7+

Designated
Meet Designated
OBMs and
implement all
design
elements.

Campuses must continue to meet Designated OBMs yearly to maintain Designated status.

#### Designated with

Distinctions
Campus is
eligible for
Designated with
Distinction
status if the
campus is
Designated and
meets

Distinction OBM

criteria.

#### Needs Improvement (Year 6)

Campuses that do not meet access, achievement, and attainment Designated OBM criteria are considered Needs Improvement.



#### Years 6-8

Receive targeted technical assistance to improve OBMs. Campuses may receive Designated status if OBMs are met prior to Year 9.



Receive Designated status if Designated OBMs met. Removed from network if Designated OBMs not met.



Benchmark 1: School Design OBM: Achievement, Attainment

a. Fall 2023 Enrollment

b.Fall 2023 Sections and Faculty

c. Spring 2024 Spring Sections



- d. Fall 2023 Faculty Rosters Verification
- e. TSC Calendar/Deadlines
- f. College Transition Coaches Update



#### PLEASE JOIN US

#### OFFICE of TRANSITION SERVICES

#### DUAL PROGRAM SYMPOSIUM

Texas Southmost College is excited to announce the 1st Annual Dual Credit Symposium. Located on the 2nd floor of our Oliveira Student Services Center, this Symposium will provide information regarding new Dual Credit Enrollment updates such as:

- · Get to know your College Transition Coach
- · Dual Program Enrollment required documents
- Creation and maintenance of the Cleared List (formally known as the Master List)
- · Registration/deadlines/advising process
- Add/drop/withdraw requests
- Roster verification
- · Course request/section master

We would be delighted if you joined us for the 2023 Dual Program Symposium.

DATE & TIME

TUESDAY **SEPTEMBER** 19 8:00 A.M.-1:00 P.M. 19

LOCATION

OLIVEIRA STUDENT SERVICES CTR. (2nd floor) 1701 MAY ST. BROWNSVILLE, TX



## Dual Enrollment at Texas State Technical College

Monica Arizpe
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Harlingen
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Robbie Mesa

Director of Dual Enrollment

Harlingen

robbie.mesa@tstc.edu



## **Texas State Technical College**



- 2 year college offering certificates and degrees in HIGH TECH, HIGH DEMAND, HIGH PAYING fields of study
- 10 Campuses across the state
  - o Abilene
  - Breckenridge
  - o Brownwood
  - East Williamson County
  - o Ft. Bend
  - o Harlingen
  - o North Texas
  - o Marshall
  - Sweetwater
  - o Waco

## How is TSTC Different?

- Hands-On
  - TSTC teaches you the job/ career that you will be going into after graduation
- Affordable
  - Average cost for an Associates
     Degree is \$10,500
- Get A Job College
  - o Job placement is our mission
  - Career Services
    - Job search
    - Résumé writing
    - Interview preparation
    - Job fairs



### Begin Your Career Pathway with Dual Enrollment

How does a Career Pathway Work?

- 1. Pick a Program
- Choose the Career You Want
- 1. You Decide Where You Stop

- Earn college and high school credits in a technical program
  - o Online
  - o @ TSTC Campus
  - @ High School/ Facility
  - Shortens time as a traditional student at TSTC after high school
    - Saves you time and money

DE Pathway/ Occupational Skills Award





Level II Certificate



Associate of Applied Science Degree

### Important Things to Know:

- Dual Enrollment students are considered college students
- It's very important that you are committed to the program / course work
  - Grades are recorded on a permanent college transcript
  - Affect future admissions,
     scholarships, and financial aid

### Performance Based Education

- All Online Programs
- You must pass the competency with 80 or better before you can move onto the next
- 5 attempts at mastering the competency
- Grades are A, B, or F only

### **Auto Collision Technology**



#### Skills learned:

- Vehicle trim and glass service
- Repair of interior and exterior plastics
- Refinishing product equipment and procedures to repair damaged panels, rust and corrosion protection
- Safety and vehicle design

# DUAL ENROLLMENT PATHWAY VEHICLE TRIM AND HARDWARE ASIC PAINT TECHNIQUES, EQUIPMENT & ENVIRONMENTAL PRACTICES AUTOMOTIVE PLASTIC & SHEET MOLDED COMPOUND REPAIR VEHICLE DESIGN & STRUCTURAL ANALYSIS



# **HVAC Technology Program**



#### **DUAL ENROLLMENT PATHWAY**

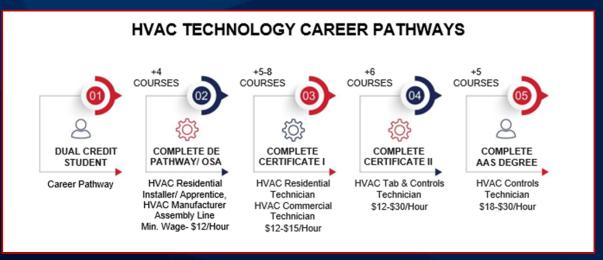
**BASIC ELECTRICITY FOR HVAC** 

**REFRIGERATION PRINCIPLES** 

**HVAC SHOP PRACTICES AND TOOLS** 

GAS AND ELECTRIC HEATING

- Principles of electricity, proper use of test equipment, electrical circuits and theory of operation
- Refrigeration cycle, heat transfer theory, temperature/ pressure relationship, refrigeration handling and safety
- Shop practices, tools and instruments used in the HVAC industry
- Procedures and principles used in servicing heating systems including gas fired furnaces and electric heating systems



# **Cybersecurity Technology**



#### **DUAL ENROLLMENT PATHWAY**

PERSONAL COMPUTER HARDWARE

**FUNDAMENTALS TO NETWORKING** 

**IMPLEMENTING & SUPPORTING SERVERS** 

SECURE LINUX ADMINISTRATION

- Computer hardware, assembly, upgrading, setup configuration and troubleshooting
- Implementing network technologies, network protocols, media and networking hardware and software
- Configure and manage security on Linux systems including installation, administration, utilities and commands



### Mechatronics



#### **DUAL ENROLLMENT PATHWAY**

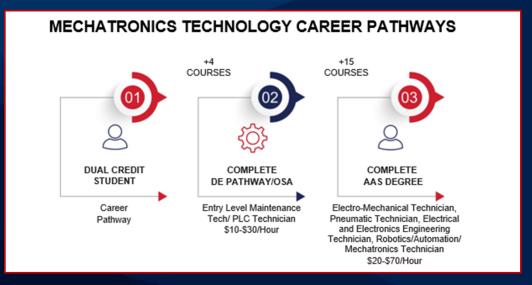
**DC CIRCUITS** 

**AC CIRCUITS** 

**INDUSTRY DIGITAL DEVICES** 

BASIC PROGRAMMING LOGIC CONTROLLER

- Fundamentals of alternating current and direct current laws and analysis techniques
- Digital devices using logic circuits, metering equipment and different numbering systems
- Programmable control systems , hardware identification and PLC communications



# **Welding Technology**



#### **DUAL ENROLLMENT PATHWAY**

INTRO TO WELDING USING MULTIPLE PROCESSES

INTRO TO BLUEPRINT READING

INTRO TO SHIELDED METAL ARC WELDING

**TECHNICAL CALCULATIONS** 

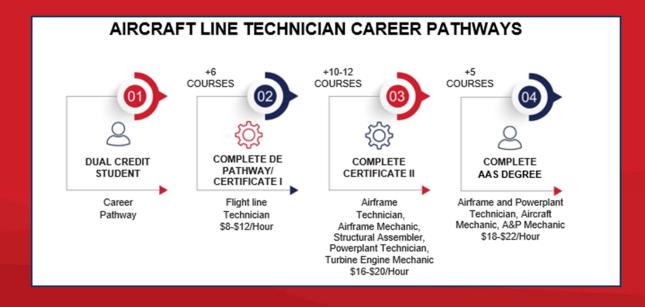
- Welding techniques using Oxy-fuel welding, cutting shielded metal arc welding, gas metal arc and gas tungsten arc welding
- Industrial blueprint reading including terminology, symbol graphic description and welding processes
- Specific mathematical calculations required for business and industry

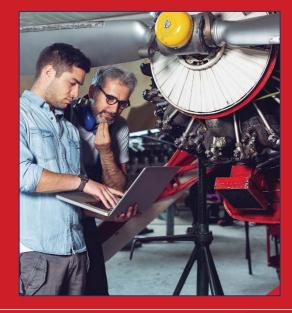


### **Aircraft Line Technician**

#### Skills learned:

- Aircraft principles and operations
- Aircraft shop safety and practices and procedures
- FAA law, forms and record keeping
- Fuel metering systems and turbine engine calibrations





#### **DUAL ENROLLMENT PATHWAY**

**SHOP PRACTICES** 

**GROUND OPERATIONS** 

**AVIATION SCIENCE** 

**FEDERAL AVIATION REGULATIONS** 

**WEIGHT AND BALANCE** 

**BASIC ELECTRICITY** 

### **Architectural/Civil Drafting Technology**



#### Skills learned:

- Reading and interpreting drawings in the fabrication process
- Computer aided drafting with an emphasis on set up, storing defined shapes and scaling objects
- Architectural drafting procedures, detailed working drawings for residential structures



#### **DUAL ENROLLMENT PATHWAY**

**BLUEPRINT READING AND SKETCHING** 

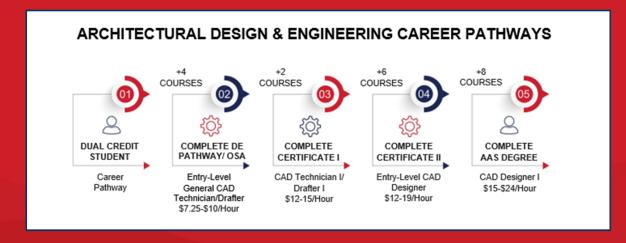
**BASIC COMPUTER-AIDED DRAFTING** 

ARCHITECTURAL ILLUSTRATIONS

ARCHITECTURAL DRAFTING-RESIDENTIAL

### **Architectural Design & Engineering Graphics Technology**

- Computer aided drafting with an emphasis on set up, storing defined shapes and scaling objects
- 3D Design and parametric-based software drawing
- Architectural drawing and sketching





DUAL ENROLLMENT PATHWAY	
BASIC COMPUTER-AIDED DRAFTING	
PARAMETRIC MODELING AND DESIGN	
ARCHITECTURAL ILLUSTRATIONS	
MECHANICAL DRAFTING	

### **Automotive Maintenance & Light Repair**

(Suspension & Steering)



### **DUAL ENROLLMENT PATHWAY**

INTRO TO AUTOMOTIVE TECHNOLOGY

**AUTOMOTIVE ELECTRICAL SYSTEMS** 

SUSPENSION AND STEERING

**AUTOMOTIVE BRAKE SYSTEMS** 

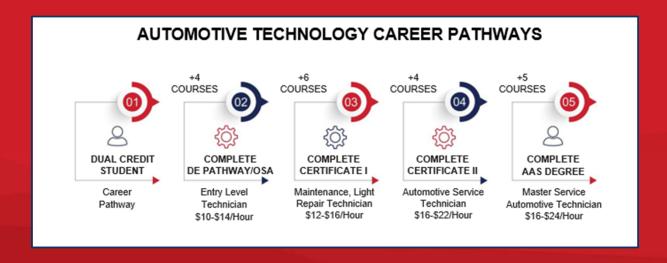
- Automotive Safety Practices, shop equipment and basic automotive maintenance
- Automotive Electrical Systems, starting systems and operational theory
- Diagnosing and repair of Suspension and Steering Systems
- Operation, repair and theory diagnosis of brake systems



### **Automotive Technician Pathway**

#### Skills learned:

- Automotive Safety Practices, shop equipment and basic automotive maintenance
- Automotive Electrical Systems, starting systems and operational theory
- Diagnosing and repair of Suspension and Steering Systems
- Operation, repair and theory diagnosis of brake systems





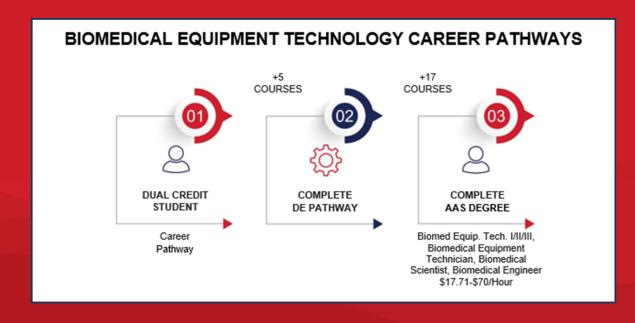
INTRO TO AUTOMOTIVE TECHNOLOGY
AUTOMOTIVE ELECTRICAL SYSTEMS
SUSPENSION AND STEERING

**AUTOMOTIVE BRAKE SYSTEMS** 

### **Biomedical Equipment Technology**

#### Skills learned:

- Biomedical job responsibilities
- Fundamentals of direct currents and circuit analysis techniques
- Biomedical instrumentation as related to anatomy and physiology
- Medical device monitoring, diagnosis and treatment





#### **DUAL ENROLLMENT PATHWAY**

**BIOMEDICAL EQUIPMENT TECHNOLOGY** 

SHOP SKILLS FOR BIOMEDICAL EQUIPMENT TECHNICIANS

DC CIRCUITS

**MEDICAL SOFTWARE HARDWARE** 

APPLIED BIOMEDICAL EQUIPMENT TECHNOLOGY

### **Building Construction Craftsman**



#### **DUAL ENROLLMENT PATHWAY**

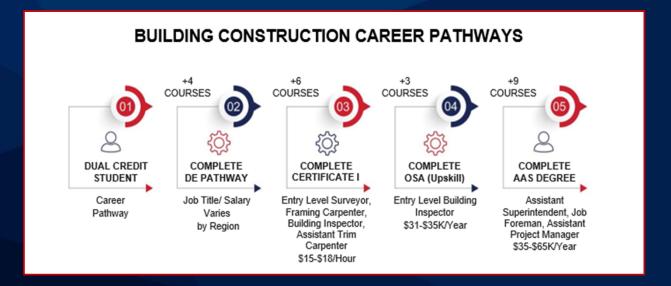
RESIDENTIAL AND LIGHT COMMERCIAL BLUEPRINT READING

**CONSTRUCTION TECHNOLOGY I** 

**CONSTRUCTION TECHNOLOGY II** 

**CONCRETE I** 

- Blueprint reading for residential and commercial construction
- Site preparation, safety tools and equipment
- Construction framing for walls, flooring, concrete, and roofs



### **Bookkeeping Accounting Assistant**



### DUAL ENROLLMENT PATHWAY

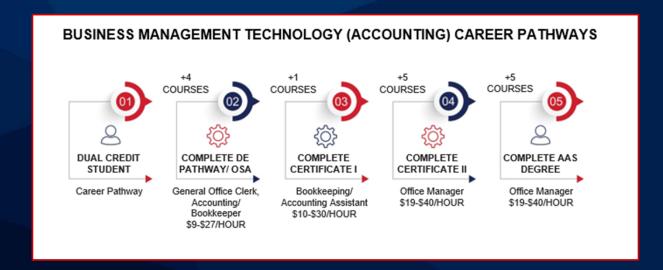
**SPREADSHEETS** 

PRINCIPLES OF ACCOUNTING I

**PAYROLL & BUSINESS TAX ACCOUNTING** 

INTRO TO COMPUTERIZED ACCOUNTING

- Skill development of concepts, procedures, application of spreadsheets and maintaining accounting records
- Accounting concepts and their application in transaction analysis and financial statement preparation
- Payroll procedures and reporting requirements to state and federal authorities



### **Computer Networking & Systems Administration**



#### **DUAL ENROLLMENT PATHWAY**

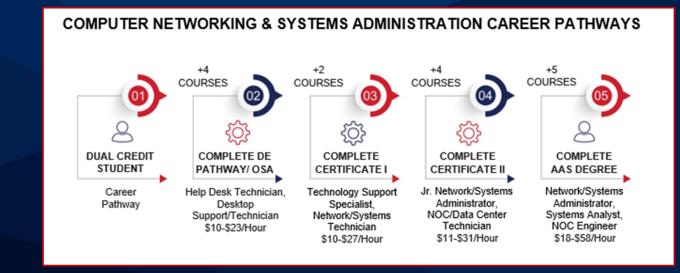
PERSONAL COMPUTER HARDWARE

IMPLEMENTING & SUPPORTING CLIENT OPERATING SYSTEMS

**NETWORK +** 

**IMPLEMENTING NETWORK DIRECTORY SERVICES** 

- Computer hardware and troubleshooting computer systems
- Fundamentals of managing and configuring network clients
- Installation and administering network systems
- Preparing for CompTIA Network+ certification



### **Computer Programming Technology**



#### **DUAL ENROLLMENT PATHWAY**

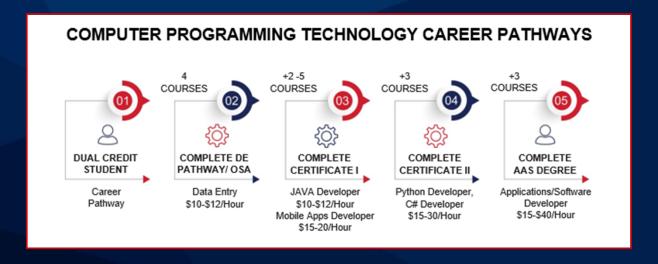
**COMPUTER PROGRAMMING** 

**BEGINNING WEB PROGRAMMING** 

**DATABASE PROGRAMMING** 

**INTERMEDIATE WEB PROGRAMMING** 

- Design development, testing, implementation and documentation
- Web Programming and C++ programming
- Database development using programming techniques emphasizing database structures modeling and database access



# **Culinary Assistant Program**

#### Skills learned:

- Sanitary practices in food preparation and anti-food contamination standards
- Food service equipment, layout and planning
- Dietary guidelines and restrictions and healthy cooking techniques





#### **DUAL ENROLLMENT PATHWAY**

**SANITATION AND SAFETY (PS-L1)** 

**FOOD SERVICE EQUIPMENT AND PLANNING (PS-L1)** 

**NUTRITION FOR THE FOOD SERVICE PROFESSIONAL (PS-L1)** 

**FOOD PREPARATION I** 

### Diesel Equipment Technology (Heavy Truck)



#### DE PATHWAY

SHOP SAFETY AND PROCEDURES

**BASIC BRAKE SYSTEMS** 

DIESEL ENGINE TESTING AND REPAIR I

**DIESEL ENGINE TESTING AND REPAIR II** 

- Shop safety rules, basic shop tools and test equipment
- Brake system principles, maintenance, repair and troubleshooting
- Repairing, configuring and testing diesel engines and related system



### Diesel Equipment Technology- Off Highway Equipment

#### Skills learned:

- Shop safety rules, basic shop tools and test equipment
- Brake system principles, maintenance, repair and troubleshooting
- Repairing, configuring and testing diesel engines and related system





#### **DUAL ENROLLMENT PATHWAY**

**SHOP SAFETY AND PROCEDURES** 

**BASIC BRAKE SYSTEMS** 

**DIESEL ENGINE TESTING AND REPAIR I** 

**DIESEL ENGINE TESTING AND REPAIR II** 

### Digital Media Design



#### **DUAL ENROLLMENT PATHWAY**

**VECTOR GRAPHICS FOR PRODUCTION** 

**DIGITAL IMAGING I** 

**DIGITAL PUBLISHING I** 

**DESIGN COMMUNICATION I** 

- Digital imaging using raster image editing and/ or image creation software, output devices, color systems and image acquisitions
- Letterforms and typography concepts as elements of graphic communication based on industry standards
- Design development, terminology, tools and media layout and design concepts



### **Education & Training**



#### **DUAL ENROLLMENT PATHWAY**

**EDUCATIONAL SYSTEMS** 

**GUIDING STUDENT BEHAVIOR** 

INSTRUCTIONAL TECHNOLOGY AND COMPUTER APPLICATIONS

INSTRUCTIONAL PRACTICES AND EFFECTIVE LEARNING ENVIRONMENTS

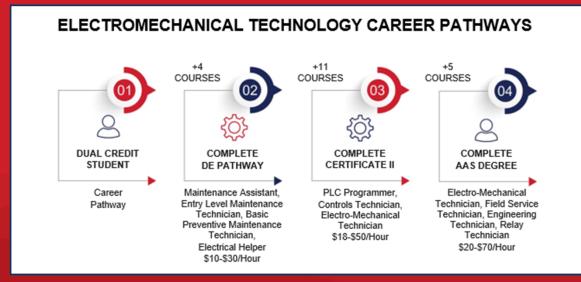
- Role and responsibilities of educational personnel, professionalism and communication strategies
- Developmentally appropriate and indirect guidance techniques to use in various school environments
- Educational computer terminology, software and multimedia



### **Electromechanical Technology**

#### Skills learned:

- Troubleshoot control systems, programmable logic controller (PLC), pumps and compressors and power devices.
- How to use supervisory control and data acquisition systems (SCADA) and communication networks for smart-manufacturing operations.





#### **DUAL ENROLLMENT PATHWAY**

**DC CIRCUITS** 

INTRODUCTION TO ELECTROMECHANICAL SYSTEM

**DIGITAL FUNDAMENTALS** 

**AC CIRCUITS** 

### **Electrical Powers & Controls**



#### **DUAL ENROLLMENT PATHWAY**

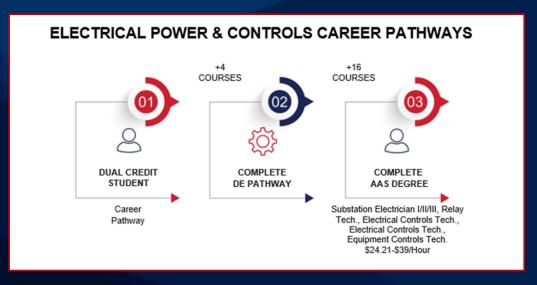
**INTRODUCTION TO ELECTRICAL SAFETY & TOOLS** 

DC CIRCUITS

AC CIRCUITS

**MOTOR CONTROLS** 

- Fundamentals of alternating and direct current circuits including series phasors and inductive network transformers
- Safety regulations, inspection, use and maintenance of common tools for electricians
- Operating principles of solid-state and conventional controls
- Wiring and schematic diagram interpretations



### **Engineering Graphics & Design Technology**



#### **DUAL ENROLLMENT PATHWAY**

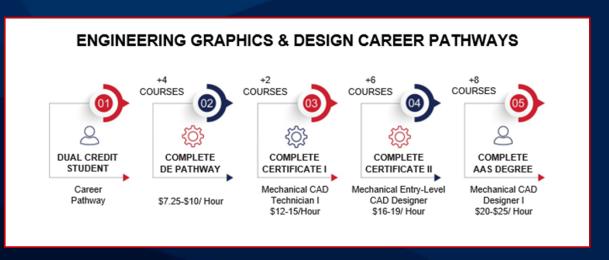
**BLUEPRINT READING & SKETCHING** 

**BASIC COMPUTER AIDED DRAFTING** 

**PARAMETRIC MODELING & DESIGN** 

**MECHANICAL DRAFTING** 

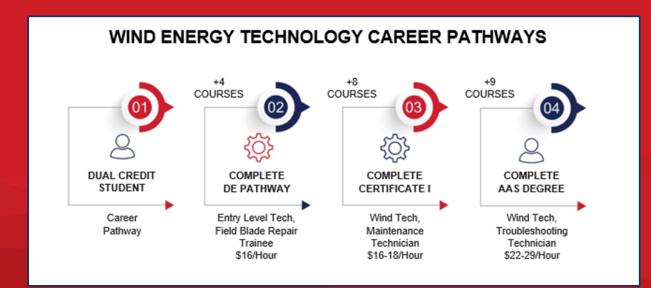
- Digital imaging using raster image editing and/ or image creation software, output devices, color systems and image acquisitions
- Letterforms and typography concepts as elements of graphic communication based on industry standards
- Design development, terminology, tools and media layout and design concepts



# Wind Energy Technician

#### Skills learned:

- Fundamentals of direct current and alternating current, laws and circuit analysis techniques
- Wind technology, wind farm design and wind power delivery
- Digital electronics, numbering systems logic and combinational logic





#### **DUAL ENROLLMENT PATHWAY**

**DC CIRCUITS** 

**INTRODUCTION TO WIND ENERGY** 

**AC CIRCUITS** 

**DIGITAL FUNDAMENTALS** 

### **Health Information Technology**



#### **DUAL ENROLLMENT PATHWAY**

**MEDICAL TERMINOLOGY** 

**HEALTH DATA CONTENT AND STRUCTURE** 

**HUMAN DISEASE/PATHOPHYSIOLOGY** 

IT FOR HEALTH PROFESSIONS

**LEGAL & ETHICAL ASPECTS HEALTH INFORMATION** 

**HEALTH INFORMATION SYSTEMS** 

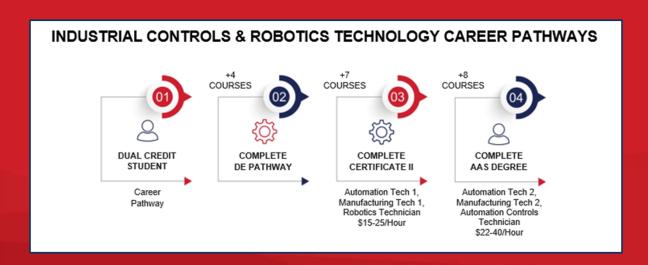
- Medical terminology, human diseases, anatomy and physiology, prognosis, medical treatment signs and symptoms
- Systems and processes for collecting, maintaining and disseminating health related information and record documentation

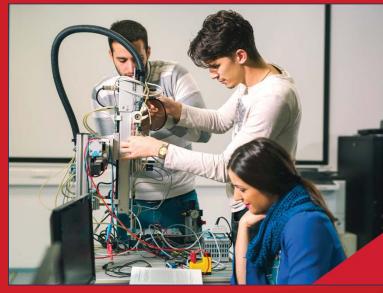


### Industrial Controls & Robotics Technology

#### Skills learned:

- Fundamentals of direct current and alternating current, laws and circuit analysis techniques
- Computer aided drafting with an emphasis on set up, storing defined shapes and scaling objects
- Principles, applications, installing and maintenance of robots





#### **DUAL ENROLLMENT PATHWAY**

DC CIRCUITS

**BASIC COMPUTER AIDED DRAFTING** 

**ROBOTICS FUNDAMENTALS** 

**AC CIRCUITS** 

### Industrial Systems Technician - Mechanic



#### **DUAL ENROLLMENT PATHWAY**

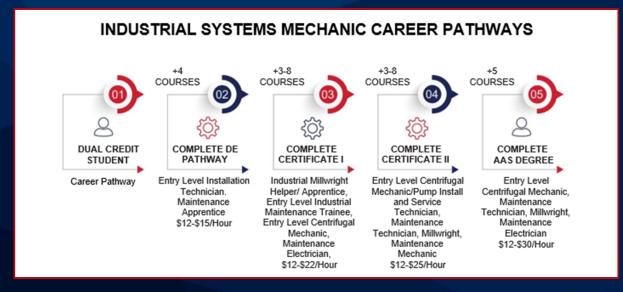
**INTRODUCTION TO INDUSTRIAL MAINTENANCE** 

**PUMPS, COMPRESSORS & MECHANICAL DRIVES** 

**BASIC ELECTRICAL THEORY** 

**MOTOR CONTROLS** 

- Reading and interpreting working drawings for fabrication processes
- Basic theory and practices of electrical circuits
- Theory and operations of various types of pumps and compressors
- Basic mechanical skills and repair techniques for industrial maintenance



### Industrial Systems Technician-Electrical



#### **DUAL ENROLLMENT PATHWAY**

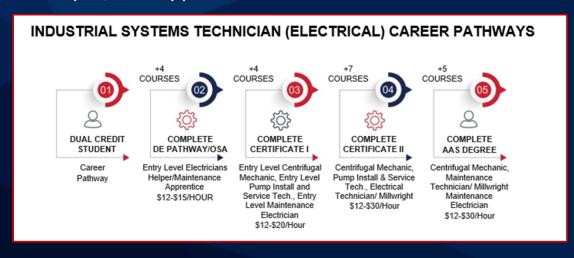
INTRODUCTION TO INDUSTRIAL MAINTENANCE

PUMPS, COMPRESSORS & MECHANICAL DRIVES

**BASIC ELECTRICAL THEORY** 

**MOTOR CONTROLS** 

- Basic mechanical skills, repair techniques, & general safety protocols; Basic theory & electrical circuits
- Using precision measuring instruments
- Mechanical power transmission systems including gears, v-belts, & chain drives
- Braking, jogging, plugging, safety interlocks, wiring, & schematic diagram interpretations
- Overcurrent protection raceway, panel board installation, proper grounding techniques, & safety procedures



### **Plumbing & Pipefitting Tradesman**



#### **DUAL ENROLLMENT PATHWAY**

BASIC BLUEPRINT READING FOR PLUMBERS

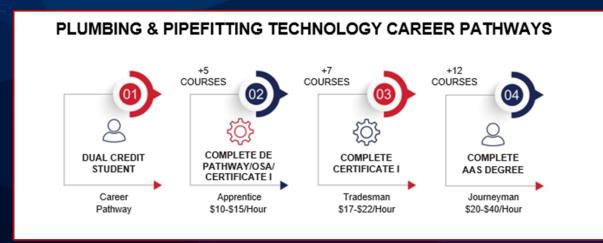
PLUMBING CODES I

PIPING STANDARDS & MATERIALS

RESIDENTIAL CONSTRUCTION PLUMBING I

PLUMBING MAINTENANCE & REPAIR

- Blueprint reading for residential and light commercial construction
- State and local plumbing codes, water and gas line systems in residential and commercial settings
- Description and application of piping standards and specifications
- Development in procedures and techniques employed by plumbers



### **Precision Machining Technology**



#### **DUAL ENROLLMENT PATHWAY**

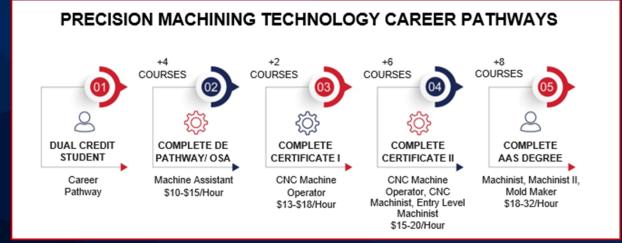
PRINT READING FOR MACHINING TRADES

**BEGINNING MACHINE SHOP** 

**PRECISION TOOLS & MEASUREMENTS** 

**MACHINE SHOP MATHEMATICS** 

- Blueprint reading for machine trades and machine drawings
- Machine shop safety, math and measurements
- Identification, selection and application of various types of precision instruments



### **Process Operations**



#### **DUAL ENROLLMENT PATHWAY**

INTRODUCTION TO PROCESS TECHNOLOGY

**SAFETY HEALTH & ENVIRONMENT** 

**PRINCIPLES OF QUALITY** 

**TECHNICAL CALCULATIONS** 

- Specific mathematical calculations required for business and industry
- Art of engineering mechanics, & statistical process control
- Safety guidelines and protocols for health and environment
- Basic understanding and knowledge of machining & equipment used in everyday workplace



### Web Design & Development -Front End Designer



#### **DUAL ENROLLMENT PATHWAY**

**UI/UX DESIGN** 

**BEGINNING WEB PROGRAMMING** 

**WEB DESIGN** 

INTERMEDIATE WEB PROGRAMMING

- Development in web programming, markup and scripting languages
- Web design and related graphic design issues, websites and browsers
- Planning and production processes for digital media projects, copyright laws and production management



### What to do next...

### Apply!

Go to: de.tstc.edu

You will need a valid email address to sign up

### **TSTC** will need:

- 1. Copy of high school transcript
- Copy of Bacterial Meningitis shot record (If you are coming onto our campus)









## Secondary Educational Partnerships

Dr. Michael E. Aldape- Assistant Provost for Secondary Educational Partnerships

Rose M. Pulido, M. Ed. – Program Manager for Secondary Educational Partnerships





# Fall 2022 Campuses Represented: • BECHS

Description	Count			
Number of Students Enrolled	167			
Number of Course Sections Offered	27			
Number of Credits Earned	1,979			
Overall Success Rate (Grade of A-D)	94%			

#### **Year in Review 22-23**



## **Spring 2023 Campuses Represented:**

- BECHS (161)
- Pace (1)

Description	Count			
Number of Students Enrolled	162			
Number of Course Sections Offered	15			
Number of Credits Earned	1,518			
Overall Success Rate (Grade of A-D)	89%			

#### **Year in Review 22-23**



## **Summer 1 2023 Campuses Represented:**

- BECHS (28)
   Hanna (1)
- Lopez (7)
- Pace (1)
- Veterans (13)

Description	Count			
Number of Students Enrolled	50			
Number of Course Sections Offered	28			
Number of Credits Earned	188			
Overall Success Rate (Grade of A-D)	89%			

#### **Year in Review 22-23**



## **Summer 2 2023**

## **Campuses Represented:**

- BECHS (23)Hanna (1)
- Lopez (4)
- Pace (1)
- Veterans (8)

Description	Count
Number of Students Enrolled	37
Number of Course Sections Offered	12
Number of Credits Earned	109
Overall Success Rate (Grade of A-D)	76%





#### Fall 2023 Number of Students Enrolled

BECHS-160

Hanna - 1

Lopez- 1

Pace- 1

Veteran's1

#### **Timeline - Summer 2024**



Parent
Informational
Meetings @
campuses

Students submit Apply Texas Application

Counselors submit student documents Applicant reports sent to counselors

October 2023

November 2023

January 2024

February 2024

Admitted and cleared students attend Summer I and II Orientation

**Enrollment Reports** sent to counselors

Summer I 2024 begins

Mar-Apr 2024

Mar-Apr 2024

June 3, 2024



## **Admissions Criteria**

Students seeking Dual Credit opportunities with UTRGV will have an individual academic profile created based on a variety of factors, including but not limited to:

- High School Class Rank;
- GPA;
- College Entrance Exams (SAT/ACT) (PSAT/ACT-PLAN);
- Extracurricular Activities;
- Community Involvement;
- Academic profiles are created with submitted documentation and admission decisions are made based on that profile and accomplishments to date.

### **Application Process**



1

Apply at goapplytexas.org

2

Submit DC Authorization Form signed by the Parent/Guardian, Principal, and Counselor. 3

#### Submit official HS Transcript

 Must include GPA, ranking, and graduation type 4

## **Submit Placement Scores**

• Must submit all TSI scores

5

## **Submit proof of Meningitis Vaccine**

 Must be current 10 days prior to the 1st day of class.

#### **Secondary Educational Partnerships Staff**





Dr. Michael E. Aldape
Assistant Provost, Secondary
Educational Partnerships
Michael.Aldape@utrgv.edu



Rose M. Pulido, M. Ed.

Program Coordinator – Secondary
Educational Partnerships (Brownsville)
rose.pulido01@utrgv.edu



Refer to the copies of the OBM's in your folder and complete one entry on your name tent

My contribution impacts the following CCRSM benchmarks:

Benchmark 1 Benchmark 2 Benchmark 3 Benchmark 4 Benchmark 5 Benchmark 6

## I plan to improve Outcome Based Measures by:

•	I district resources					
		 		 	-	 

•

•

