

# Board of Trustees

## Education and Workforce Development Committee Meeting

Tuesday, September 14, 2021

3:30 p.m.

Ann Richards Administration  
Building, Board Room  
Pecan Campus  
McAllen, Texas



SOUTH TEXAS  
COLLEGE

*In the Making!*

Online Copy

**South Texas College  
Board of Trustees  
Education and Workforce Development Committee  
Ann Richards Administration Building, Board Room  
Pecan Campus, McAllen, Texas  
Tuesday, September 14, 2021 @ 3:30 p.m.**

**AGENDA**

“At anytime during the course of this meeting, the Board of Trustees may retire to Executive Session under Texas Government Code 551.071(2) to confer with its legal counsel on any subject matter on this agenda in which the duty of the attorney to the Board of Trustees under the Texas Disciplinary Rules of Professional Conduct of the State Bar of Texas clearly conflicts with Chapter 551 of the Texas Government Code. Further, at anytime during the course of this meeting, the Board of Trustees may retire to Executive Session to deliberate on any subject slated for discussion at this meeting, as may be permitted under one or more of the exceptions to the Open Meetings Act set forth in Title 5, Subtitle A, Chapter 551, Subchapter D of the Texas Government Code.”

- I. Approval of Minutes for Tuesday, August 10, 2021 Committee Meeting ..... 3 - 7
- II. Review and Recommend Revision to 2021-2022 and 2022-2023 Academic Calendar ..... 8 - 14
- III. Presentation on Division of Math, Science, Information Technology & Bachelor Programs ..... 15 - 21
- IV. Presentation on South Texas College Bachelor Programs ..... 22 - 28
- V. Presentation on Workforce Training Opportunities for Industry Partners in Reynosa ..... 29 - 37

## **Approval of Minutes for Tuesday, August 10, 2021 Committee Meeting**

The Minutes for the Education and Workforce Development Committee meeting of Tuesday, August 10, 2021 are presented for Committee approval.

**South Texas College  
Board of Trustees  
Education and Workforce Development Committee  
Ann Richards Administration Building, Board Room  
Pecan Campus, McAllen, Texas  
Tuesday, August 10, 2021 @ 4:00 p.m.**

**MINUTES**

The Education and Workforce Development Committee Meeting was held on Tuesday, August 10, 2021 in the Ann Richards Administration Building Board Room at the Pecan Campus in McAllen, Texas. The meeting commenced at 4:02 p.m. with Mrs. Victoria Cantú presiding.

Members present: Mrs. Victoria Cantú and Mr. Danny Guzman

Other Trustees present: Ms. Rose Benavidez, Dr. Alejo Salinas, Jr., Mr. Gary Gurwitz, and Mr. Rene Guajardo

Members absent: Mr. Paul R. Rodriguez

Also present: Dr. Ricardo J. Solis, Dr. David Plummer, Dr. Anahid Petrosian, Dr. Jayson Valerio, Mr. Carlos Tello, Dr. Rebecca De Leon, Mrs. Karen Castillo, and Mr. Andrew Fish

**Approval of Minutes for Tuesday, July 13, 2021 Committee Meeting**

Upon a motion by Mr. Danny Guzman and a second by Mrs. Victoria Cantú, the Minutes for the Education and Workforce Development Committee meeting of Tuesday, July 13, 2021 were approved as written. The motion carried.

**Presentation on the Emergency Medical Technology (EMT) Program  
and Pathways Aligned to Health Science (PATHS) Grant**

Mrs. Victoria Cantú, Committee Chair, requested a presentation focused on the Emergency Medical Technology Program at South Texas College.

Dr. Jayson Valerio, Dean for Nursing & Allied Health, presented on the Emergency Medical Technology Program at South Texas College, and on the related topic of the Pathways Aligned to Health Science (PATHS) Grant.

## **Emergency Medical Technology (EMT) Program**

Emergency Medical Technology is a critical component of public health and safety, and the EMT Program that provide this training at South Texas College was one of the earliest priorities of South Texas College's allied health programming.

Dr. Valerio provided program background, starting with the need for this program and its original establishment, and detailing the various levels of credentialing available in the EMT program, from basic certification through the Paramedic Associate of Applied Science (AAS) degree, and the faculty and staff who train and support these students.

Dr. Valerio also discussed the standards in place for students seeking entry to the EMT program, as well as their enrollment, licensure, and job placement rates.

While there are several proprietary schools offering their own EMT programs within the Rio Grande Valley, Dr. Valerio highlighted the value of South Texas College's programs and the credentials issued by STC, versus the more expensive and less successful proprietary training programs.

Dr. Valerio reviewed ongoing EMT Program partnerships with school districts, which offer local high school students a pathway to an incredible and critical career path upon graduation.

The College was poised to enhance EMT programs with partnering school districts, including the EMT Dual Credit Academy.

Administration was also developing non-credit and credit EMT pathways to provide police academy cadets and current law enforcement and Custom Border Patrol Agents with the ability to quickly earn credentials in EMT, which provides an academic pathway toward a Paramedic AAS.

## **Pathways Aligned to Health Science (PATHS) Grant**

Region One ESC has supported South Texas College in the Pathways Aligned to Health Sciences (PATHS) Project, enabling the College to provide direct assistance to partnering school districts in the development of healthcare programs for their students, including the curricular and extra-curricular requirements and support that help students achieve success in healthcare programs.

The two-day PATHS Conference was hosted at the STC Nursing & Allied Health Campus on July 14 – 15, 2021, and brought together approximately 40 counselors, CTE directors, and advisors from seven Region One districts, as well as Region One staff. The College represented each of its 13 Nursing and Allied Healthcare programs at this conference, and received great feedback from participants.

Administration looked forward to establishing annual PATHS Conferences to continue building and promoting Nursing and Allied Health partnerships with partnering districts.

No action was requested. Administration presented these strategies to the Education and Workforce Development Committee for discussion and feedback.

### **Review and Recommend Action on Proposed Memorandum of Understanding between South Texas College and the National Alliance of Concurrent Enrollment Partnerships (NACEP)**

The Committee was asked to recommend Board approval and authorization for administration to enter into a Memorandum of Understanding (MOU) with the National Alliance of Concurrent Enrollment Partnerships (NACEP) to join together in support of the upcoming 2022 National Summit for Dual Credit Programs, scheduled for February 27 – March 1, 2022.

#### **Background on the South Texas College Summit on College and Career Readiness**

South Texas College established the Annual Summit on College and Career Readiness as a forum to engage public schools, private schools, and institutions of higher education in collaborative dialogue focused on closing the achievement gap in college readiness for high school graduates.

South Texas College developed annual programs for elected leaders, administration, counselors, advisors, and teachers, and over the years grew this event to include speakers and panelist from a wide spectrum, including the Texas Higher Education Coordinating Board, Texas Education Agency, and Texas Workforce Commission. While the Summit grew, it retained a sharp focus on helping smooth students' pathways from and through secondary school to higher education, and to prepare them for success along this journey.

#### **Opportunity for STC to Partner with NACEP in hosting national conference**

South Texas College transformed the regional Summit into a national conference and expanded the scope of the conference from one to three days. South Texas College Dual Credit Programs proudly hosted the first **National Summit for Dual Credit Programs** with 160 **paid** virtual attendees from March 7 to 9, 2021.

Meanwhile, the College's relationship with NACEP continued to thrive after NACEP's formal accreditation of STC's Dual Credit Programs. This accreditation is highly prestigious, and STC is the first College in Texas to receive it.

In discussions with NACEP, Dr. Rebecca De Leon and her team in Dual Credit Programs have developed the opportunity to partner with NACEP as a co-host of a 2022 National Conference, building upon South Texas College's established Summit program.

With NACEP's support, administration believes STC can reach a larger audience, and from there highlight the College's successes for institutions across the nation, and learn from the best practices developed and implemented elsewhere.

Dr. De Leon presented the draft conference agenda, which was provided in the packet along with a brief narrative, and responded to questions from the Committee.

Upon a motion by Mrs. Victoria Cantú and a second by Mr. Danny Guzman, the Education and Workforce Development Committee recommended Board approval and authorization for administration to enter into a Memorandum of Understanding (MOU) with the National Alliance of Concurrent Enrollment Partnerships to join together in support of the upcoming 2022 National Summit for Dual Credit Programs, scheduled for February 27 – March 1, 2022. The motion carried.

### **Adjournment**

There being no further business to discuss, the Education Workforce Development Committee Meeting of the South Texas College Board of Trustees adjourned at 4:54 p.m.

I certify that the foregoing are the true and correct Minutes of the August 10, 2021 Education and Workforce Development Committee of the South Texas College Board of Trustees.

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Mrs. Victoria Cantú  
Presiding

## **Review and Recommend Proposed Revisions to 2021-2022 and 2022-2023 Academic Calendar**

The Committee is asked to recommend Board approval of the proposed revisions to the 2021-2022 and 2022-2023 Academic Calendars to include Juneteenth (June 19<sup>th</sup>) as an observed federal holiday. If approved, the College would be closed to observe this holiday beginning in Summer 2022 and moving forward.

A federal law recently went into effect declaring June 19th a federal holiday, known as Juneteenth, which commemorates the emancipation of African-American slaves. Because the holiday falls on a Sunday in the 2022 calendar year, the observed date would fall on Monday, June 20, 2022. For the 2023 calendar year, the observed date would be Monday, June 19, 2023.

In order to ensure that the instructional days for the Summer I session were balanced with the Summer II session, the Summer I session would be extended by one day, as follows:

| <b>Summer I Session</b> |                 |                      |                        |
|-------------------------|-----------------|----------------------|------------------------|
| <b>AY</b>               |                 | <b>Start Date</b>    | <b>End Date</b>        |
| <b>2021-2022</b>        | <b>Current</b>  | Monday, June 6, 2022 | Thursday, July 7, 2022 |
|                         | <b>Proposed</b> | Monday, June 6, 2022 | Friday, July 8, 2022   |
| <b>2022-2023</b>        | <b>Current</b>  | Monday, June 5, 2023 | Thursday, July 6, 2023 |
|                         | <b>Proposed</b> | Monday, June 5, 2023 | Friday, July 7, 2023   |

The revisions would not impact or overlap with the Summer II session and would still remain in compliance with the Texas Higher Education Coordinating Board (THECB) common calendar. The census and last day to withdraw dates would be adjusted accordingly to align with the new proposed dates for the Summer I sessions.

This proposal was sent to the Academic Calendar Committee members for consideration and feedback and no objections were received.

### **Enclosed Documents**

The proposed revisions to the 2021-2022 and 2022-2023 Academic Calendars are provided in the following pages to include the addition of the holiday and the adjustment of census/last day to withdraw dates.

The Education and Workforce Development Committee is asked to recommend Board approval of the proposed revisions to the 2021-2022 and 2022-2023 Academic Calendar as presented.



# 2021-2022 Calendar

Rev : 08/26/2021



## Fall Semester 2021 (August 23 - December 12)

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|  |   |
|--|---|
| August 6 (Friday)                            | Chair Meeting   |
| August 11 (Wednesday)                        | New Faculty Start Date – New Faculty Benefits & Orientation (Human Resources)   |
| August 12 (Thursday)                         | New Faculty Orientation   |
| August 13 (Friday)                           | New Faculty Service Area Tour   |
| August 16 (Monday)                           | Faculty Return – Academic Affairs Convocation / Division Meetings   |
| August 17 (Tuesday)                          | Faculty Preparation Day / Departmental Meetings   |
| August 18 (Wednesday)                        | Faculty Preparation Day / Departmental Meetings   |
| August 19 (Thursday)                         | Faculty Preparation Day / Distance Learning Symposium / Full-Time Faculty Teaching Dual Credit Courses PD Day / Departmental Meetings |
| August 20 (Friday)                           | Faculty Preparation Day / Departmental Meetings   |
| August 21 (Saturday)                         | Adjunct & Dual Credit Faculty Professional and Organizational Development Day   |
| <b>August 23 (Monday)</b>                    | <b>Classes Begin</b>  |
| September 6 (Monday)                         | College Closed – Labor Day  |
| September 8 (Wednesday)                      | Census Day - Twelfth Class Day  |
| September 24 (Friday)                        | College Closed – College-Wide Professional and Organizational Development Day   |
| November 12 (Friday)                         | Last Day to Withdraw  |
| November 25 – 28 (Thursday – Sunday)         | College Closed - Thanksgiving Holiday   |
| December 6 – 12 (Monday – Sunday)            | Finals  |
| December 11 (Saturday)                       | Commencement Ceremonies*  |
| December 11 (Saturday)                       | Certificate and Degree Award Date   |
| December 12 (Sunday)                         | End of Term   |
| December 13 (Monday)                         | Grades Due Date   |
| December 18 – January 4 (Saturday – Tuesday) | Winter Break (College Closed)   |

\* May vary depending on facility availability.



# 2021-2022 Calendar

Rev : 08/26/2021



## Spring Semester 2022 (January 18 – May 12)

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|   |   |
|---|---|
| January 5 (Wednesday).....              | <b>College Opens</b> – Staff return   |
| January 5 (Wednesday).....              | New Faculty Start Date – New Faculty Benefits & Orientation (Human Resources) |
| January 10 (Monday) .....               | Faculty Return – Division / Department Meetings                               |
| January 11 – 14 (Tuesday-Friday) .....  | Faculty Preparation Day / Departmental Meetings                               |
| January 15 (Saturday) .....             | Adjunct & Dual Credit Faculty Professional and Organizational Development Day |
| January 17 (Monday) .....               | Martin Luther King, Jr. Day – College Closed                                  |
| <b>January 18 (Tuesday) .....</b>       | <b>Classes Begin</b>  |
| February 2 (Wednesday).....             | Census Day - Twelfth Class Day  |
| February 11 (Friday).....               | College Closed - College-Wide Professional and Organizational Development Day |
| March 14 – 20 (Monday - Sunday).....    | College Closed - Spring Break   |
| April 14 – 17 (Thursday – Sunday) ..... | College Closed - Semester Break   |
| April 18 (Monday) .....                 | Last Day to Withdraw  |
| May 6 – 12 (Friday – Thursday) .....    | Finals  |
| May 12 (Thursday) .....                 | End of Term   |
| May 13 – 14 (Friday - Saturday).....    | Commencement Ceremonies*  |
| May 13 – 14 (Friday - Saturday).....    | Certificate and Degree Award Date   |
| May 16 (Monday) .....                   | Grades Due Date   |
| May 30 (Monday) .....                   | College Closed – Memorial Day   |

*\*May vary depending on facility availability.*

# 2021-2022 Calendar

Rev : 08/26/2021



## Summer Session 2022 (June 6 – August 12)

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**June 6 (Monday) ..... Classes Begin**  
June 10 (Friday) ..... Staff – South Texas Leadership Academy  
**June 20 (Monday) ..... College Closed - Juneteenth**  
June ~~21~~ **22 (Tuesday Wednesday)** ..... Census Day - Twelfth Class Day  
July 4 (Monday) ..... College Closed-Independence Day  
July 11 – 12 (Monday & Tuesday) ..... No classes  
July 28 (Thursday) ..... Last Day to Withdraw  
August 11 (Thursday) ..... End of Term/Finals (Classes Meeting M-R)  
August 12 (Friday) ..... End of Term /Finals (Classes Meeting M-F)  
August 15 (Monday) ..... Grades Due Date

## SI – Minimester (June 6 – July 7 8)

**June 6 (Monday) ..... Classes Begin**  
June 9 (Thursday) ..... Census Day - Fourth Class Day  
**June 20 (Monday) ..... College Closed - Juneteenth**  
June ~~29~~ **30 (Wednesday Thursday)** ..... Last Day to Withdraw  
July 4 (Monday) ..... College Closed-Independence Day  
July ~~7~~ **8 (Thursday Friday)** ..... End of Term/Finals  
July 11 (Monday) ..... Grades Due Date

## SII – Minimester (July 13 – August 12)

**July 13 (Wednesday)..... Classes Begin**  
July 18 (Monday) ..... Census Day - Fourth Class Day  
August 5 (Friday) ..... Last Day to Withdraw  
August 11 (Thursday) ..... End of Term/Finals (Classes Meeting M-R)  
August 12 (Friday) ..... End of Term /Finals (Classes Meeting M-F)  
August 15 (Monday) ..... Grades Due Date

# 2022-2023 Calendar

Rev: 8/26/2021



## Fall Semester 2022 (August 22 - December 11)

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|  |   |
|--|---|
| August 10 (Wednesday)                        | New Faculty Start Date – New Faculty Benefits & Orientation (Human Resources)                           |
| August 11 (Thursday)                         | New Faculty Orientation   |
| August 12 (Friday)                           | New Faculty Service Area Tour   |
| August 15 (Monday)                           | Faculty Return – Academic Affairs Convocation / Division Meetings                                       |
| August 16 (Tuesday)                          | Faculty Preparation Day / Departmental Meetings   |
| August 17 (Wednesday)                        | Faculty Preparation Day / Departmental Meetings   |
| August 18 (Thursday)                         | Faculty Preparation Day / Full-Time Faculty Teaching Dual Credit Courses PD Day / Departmental Meetings |
| August 19 (Friday)                           | Faculty Preparation Day / Departmental Meetings   |
| August 20 (Saturday)                         | Adjunct & Dual Credit Faculty Professional and Organizational Development Day                           |
| <b>August 22 (Monday)</b>                    | <b>Classes Begin</b>  |
| September 5 (Monday)                         | College Closed – Labor Day  |
| September 7 (Wednesday)                      | Census Day - Twelfth Class Day  |
| September 23 (Friday)                        | College Closed – College-Wide Professional and Organizational Development Day                           |
| November 11 (Friday)                         | Last Day to Withdraw  |
| November 24 – 27 (Thursday – Sunday)         | College Closed - Thanksgiving Holiday   |
| December 5 – 11 (Monday – Sunday)            | Finals  |
| December 10 (Saturday)                       | Commencement Ceremonies*  |
| December 10 (Saturday)                       | Certificate and Degree Award Date   |
| December 11 (Sunday)                         | End of Term   |
| December 12 (Monday)                         | Grades Due Date   |
| December 17 – January 3 (Saturday – Tuesday) | Winter Break (College Closed)   |

\* May vary depending on faculty availability.

# 2022-2023 Calendar

Rev: 8/26/2021



## Spring Semester 2023 (January 17 – May 11)

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|  |   |
|--|---|
| January 4 (Wednesday).....                       | <b>College Opens</b> – Staff return   |
| January 4 (Wednesday).....                       | New Faculty Start Date – New Faculty Benefits & Orientation (Human Resources) |
| January 9 (Monday).....                          | Faculty Return – Division / Department Meetings                               |
| January 10 – 13 (Tuesday-Friday).....            | Faculty Preparation Day / Departmental Meetings                               |
| January 14 (Saturday).....                       | Adjunct & Dual Credit Faculty Professional and Organizational Development Day |
| January 16 (Monday).....                         | Martin Luther King, Jr. Day – College Closed                                  |
| <b>January 17 (Tuesday).....</b>                 | <b>Classes Begin</b>  |
| January 31 – February 4 (Tuesday – Saturday) ... | Distance Learning Symposium   |
| February 1 (Wednesday).....                      | Census Day - Twelfth Class Day  |
| February 10 (Friday).....                        | College Closed - College-Wide Professional and Organizational Development Day |
| March 13 – 19 (Monday - Sunday).....             | College Closed - Spring Break   |
| April 6 – 9 (Thursday – Sunday).....             | College Closed - Semester Break   |
| April 18 (Tuesday).....                          | Last Day to Withdraw  |
| May 5 – 11 (Friday – Thursday).....              | Finals  |
| May 11 (Thursday).....                           | End of Term   |
| May 12 – 13 (Friday - Saturday).....             | Commencement Ceremonies*  |
| May 12 – 13 (Friday - Saturday).....             | Certificate and Degree Award Date   |
| May 15 (Monday).....                             | Grades Due Date   |
| May 29 (Monday).....                             | College Closed – Memorial Day   |

*\*May vary depending on facility availability.*

# 2022-2023 Calendar

Rev: 8/26/2021



## Summer Session 2023 (June 5 – August 11)

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|  |  |
|--|--|
| <b>June 5 (Monday)</b> .....                           | <b>Classes Begin</b>                             |
| June 9 (Friday) .....                                  | Staff – South Texas Leadership Academy for Staff |
| <b>June 19 (Monday)</b> .....                          | <b>College Closed - Juneteenth</b>               |
| June <del>20</del> <b>21 (Tuesday Wednesday)</b> ..... | Census Day - Twelfth Class Day                   |
| July 4 (Tuesday).....                                  | College Closed-Independence Day                  |
| July 10 – 11 (Monday & Tuesday) .....                  | No classes (For Summer III only)                 |
| July 27 (Thursday) .....                               | Last Day to Withdraw                             |
| August 10 (Thursday) .....                             | End of Term/Finals (Classes Meeting M-R)         |
| August 11 (Friday).....                                | End of Term /Finals (Classes Meeting M-F)        |
| August 14 (Monday).....                                | Grades Due Date                                  |

## SI – Minimester (June 5 – July ~~6~~ **7**)

|   |                                    |
|---|------------------------------------|
| <b>June 5 (Monday)</b> .....                            | <b>Classes Begin</b>               |
| June 8 (Thursday) .....                                 | Census Day - Fourth Class Day      |
| <b>June 19 (Monday)</b> .....                           | <b>College Closed - Juneteenth</b> |
| June <del>28</del> <b>29 (Wednesday Thursday)</b> ..... | Last Day to Withdraw               |
| July 4 (Tuesday).....                                   | College Closed-Independence Day    |
| July <del>6</del> <b>7 (Thursday Friday)</b> .....      | End of Term/Finals                 |
| July 10 (Monday).....                                   | Grades Due Date                    |

## SII – Minimester (July 12 – August 11)

|                                  |   |
|----------------------------------|---|
| <b>July 12 (Wednesday)</b> ..... | <b>Classes Begin</b>                      |
| July 17 (Monday).....            | Census Day - Fourth Class Day             |
| August 4 (Friday).....           | Last Day to Withdraw                      |
| August 10 (Thursday) .....       | End of Term/Finals (Classes Meeting M-R)  |
| August 11 (Friday).....          | End of Term /Finals (Classes Meeting M-F) |
| August 14 (Monday).....          | Grades Due Date                           |

## **Presentation on Division of Math, Science, Information Technology & Bachelor Programs**

Dr. Anahid Petrosian, Interim Vice President for Academic Affairs, has coordinated a series of presentations highlighting each of the Academic Divisions of South Texas College. In September 2021, Dr. Petrosian has invited Dr. Ali Esmaeili, Dean of Math, Science, Information Technology and Bachelor Programs, to present on the departments and activities within his division.

Dr. Esmaeili will present the background and organizational chart of the Division of Math, Science, Information Technology & Bachelor Programs, covering the establishment and growth of the division over time.

Starting with a focus specifically on Math & Science, the division was expanded to incorporate Bachelor Programs with the approval of South Texas College's first baccalaureate degrees in 2004. In 2020, the division was further expanded to incorporate Information Technology, which includes Computer & Advanced Technologies as well as Cybersecurity.

In addition to academic departments, this division houses the University Relations, Transfer & Articulation Center, which works with other institutions of higher education to facilitate seamless transfer opportunities for South Texas College's students. Currently, the College maintains 88 specific agreements with 67 institutions, including agreements that help guide community college graduates across Texas into South Texas College's baccalaureate programs. This office also maintains numerous transfer maps with UTRGV and TAMUK, providing easy transfer paths for students pursuing specific degree plans.

Dr. Esmaeili will also review faculty and staff, as well as enrollment and graduation rates across the division. Division-wide, 140 faculty and 29 staff support 1,016 course sections in Fall 2021. The presentation includes enrollment figures for Fall 2020 and Fall 2021.

Despite the COVID-19 pandemic, the Division graduated more students in the 2020 Academic Year than in the preceding year.

Finally, Dr. Esmaeili will review a number of fantastic grant-funded programs within the Division, and notable achievements and accomplishments, including the STEM Connection Newsletter. This newsletter was printed in Fall 2019, and has not been republished during the pandemic, although the Division maintains an active STEM Connection website for accomplishments and upcoming events.

No action is requested. This information is presented to the Education and Workforce Development Committee for discussion and feedback.

# Division of Math, Science, IT & Bachelor Programs



Presentation for  
Education and Workforce Development Committee Meeting  
Tuesday, September 14, 2021

Presenter:  
Dr. Ali Esmaeili  
Dean of Math, Science, IT & Bachelor Programs

## Outline



- Background
- Organizational Chart
- Sections, Faculty & Staff
- Enrollment & Graduates
- Grants Awarded
- Notable Achievements





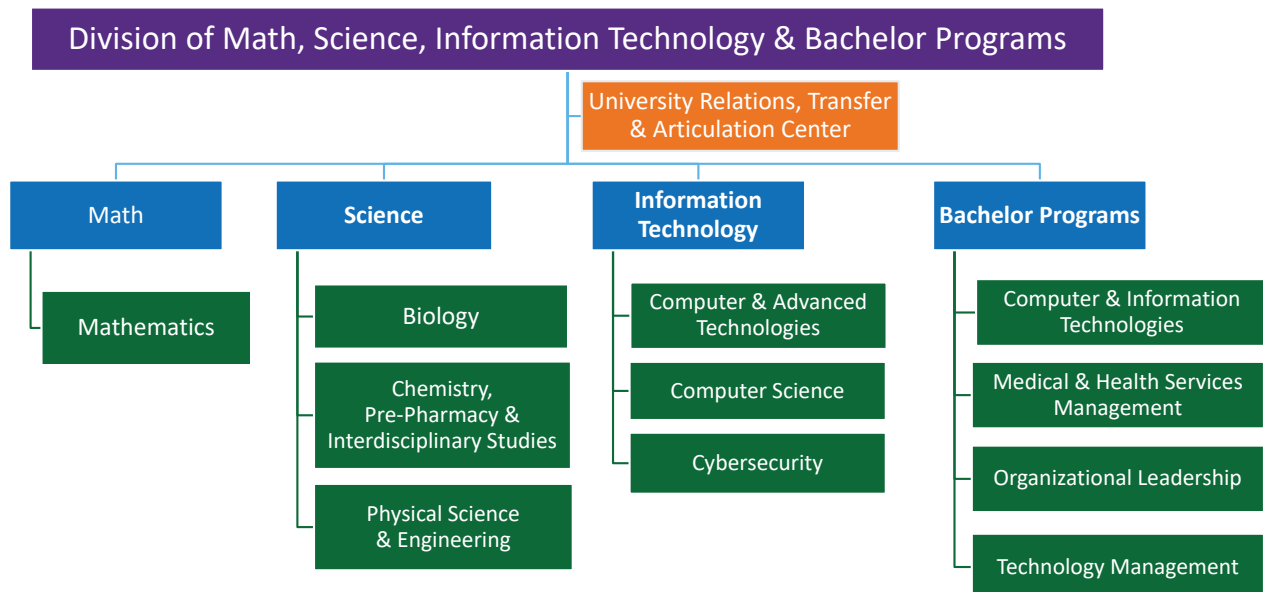
# Background

Math, Science, Information Technology & Bachelor Programs



- 1995** Math & Science Division was established
- 2004** Bachelor Programs were approved and placed under the direction of the Division Dean; new title for the Division was created: **Math, Science and Bachelor Programs**
- 2013** University Relations, Transfer & Articulation Center was established and placed under the direction of the Division
- 2020** Information Technology, Computer & Advanced Technologies, and Cybersecurity programs were added to the Division resulting in the current name: **Math, Science, Information Technology & Bachelor Programs**

# Organizational Chart



# University Relations, Transfer & Articulation Center



**Purpose:** To establish, maintain, and promote seamless transfer opportunities for students, to and from South Texas College

- ✓ **88 agreements** with **67 institutions**
  - **9 agreements** with other community colleges for matriculations into STC Bachelor Programs
- ✓ **10 agreements** in process
- ✓ Developed **92 transfer maps** to UTRGV
- ✓ Developed **63 transfer maps** to TAMUK



# Sections/Faculty/Staff



## Fall 2021 Semester

### Sections: 1,016

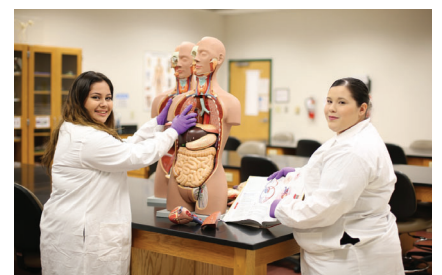
- Traditional: 586
- Dual Credit: 430

### Faculty: 140

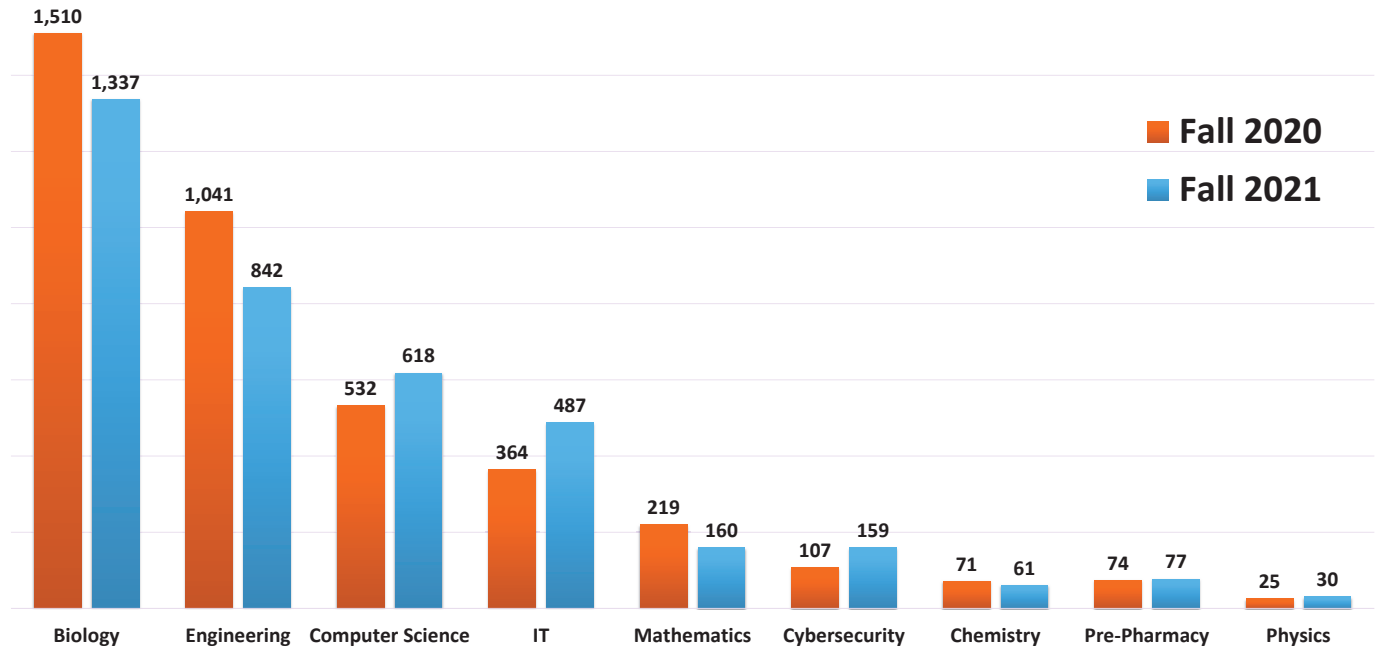
- Full-Time: 109
- Lecturers: 13
- Adjunct: 18

### Staff: 29

- Lab Personnel: 14
- Support Staff: 12
- Student Support: 3

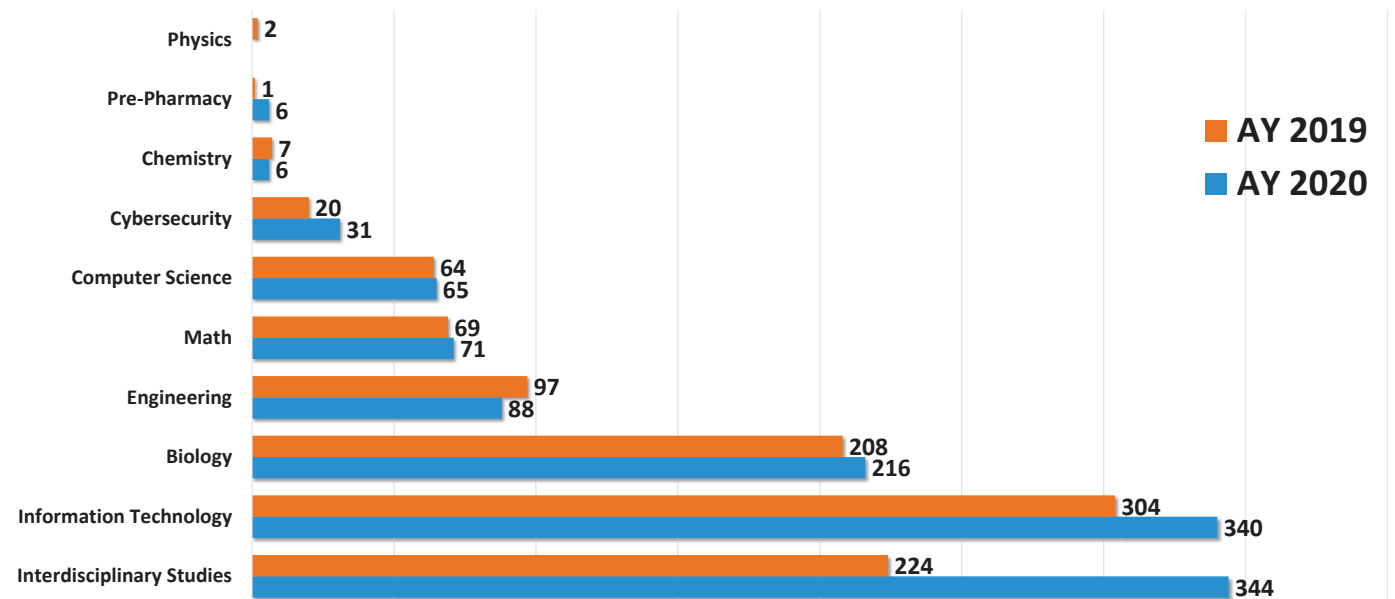


# Enrollment



Source: South Texas College Research & Analytical Services

# Graduates



Source: South Texas College Research & Analytical Services

# Grants



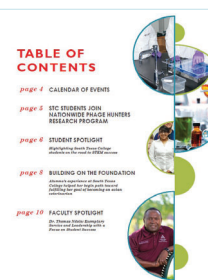
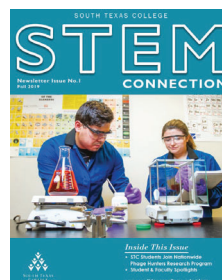
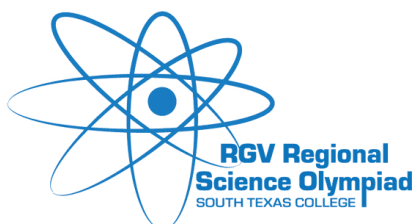
## 11 Grants within the MSITB Division

- ✓ Over \$600,000 National Science Foundation (NSF) Grant
- ✓ NIH Biology to Biomedical Science (B2BMED) with UTRGV
  - 5-year grant total \$108,966
- ✓ USDA BioEnergy and Water for Agriculture (BEAWARE)
  - 4-year grant total \$24,108
- ✓ THECB grant to convert Mathematics & Philosophy Courses to OER
  - 2-year grant total \$76,145
- ✓ DHSI Grant to fund InsideTrack Coaching for Academic Coaches



# Notable Achievements and Accomplishments

- STEM Connection was published in 2019 to **promote** STEM programs
- STC is offering **authentic and valuable undergraduate research opportunities** through SEAPHAGES
- Annual outreach events include **Regional Science Olympiad & Annual STEM Summit**
- Over 80 CITP students earned the **Google IT Support Professional Certificate**
  - According to "Grow with Google"
    - ✓ Average entry-level salary in IT is \$50,800
    - ✓ 82% of Certificate graduates report a career impact within six months



*Thank You!*



## **Presentation on South Texas College Bachelor Programs**

While the Bachelor Programs are included within the Division of Math, Science, Information Technology and Bachelor Programs, administration will present on Bachelor Programs separately.

Dr. Ali Esmaeili, Dean of Math, Science, Information Technology and Bachelor Programs, will begin with a review of the timeline of development of the bachelor programs, including the legislative support for the baccalaureate pilot program in 2003, the College's accreditation changes in 2004 to support baccalaureate programs, and other benchmarks in South Texas College's path as a state- and national leader in developing and offering successful bachelor degree programs as a community college.

Dr. Esmaeili will review the specific Baccalaureate Degrees offered at South Texas College, each of which was identified and developed to support workforce needs of the region, and to provide graduates with a pathway toward higher education, including graduate school.

The presentation will also cover recognition received by South Texas College's baccalaureate programs, including recognition by *Excelencia in Education* in 2017, and recognitions of affordability and value.

Dr. Esmaeili will report Fall 2020 student demographics, enrollment trends including a discussion of recruitment efforts to attract students to the bachelor programs, and graduation rates, followed by some of the most eye-opening statistics proving the importance and value of baccalaureate programs at South Texas College:

- 53% of students who successfully graduate from South Texas College's baccalaureate programs received some level of development coursework.
- 43% of students who successfully graduate from South Texas College's baccalaureate programs transfer to a university to continue further education.

While the development of baccalaureate programs at community colleges has been an uphill battle against critics who question the value and rigor of such programs, South Texas College has demonstrated that they are a viable, valuable pathway to students seeking academic and workforce advancement.

No action is requested. This information is presented to the Education and Workforce Development Committee for discussion and feedback.



# South Texas College Bachelor Programs

Presentation for  
Education and Workforce Development Committee Meeting  
Tuesday, September 14, 2021

**Presenter: Dr. Ali Esmaili, Dean of Math, Science, IT and Bachelor Programs**

## Outline

- History of Key Events
- Baccalaureate Degrees
- National & State Recognitions
- Overview of Enrollment
- Student Testimonials



## South Texas College

### *Baccalaureate Degrees – History of Key Events*



- 2003** Approval by legislators for 3 community colleges to develop **up to 5** Applied Baccalaureate Degrees
- 2004** SACSCOC accredited STC as a Level II Institution
- 2007** HB 2198, passed during the 80<sup>th</sup> Legislative Session, removed the pilot status making the authority to offer baccalaureate degrees permanent
- 2014** South Texas College was the first in Texas to Develop Competency-Based Baccalaureate Degrees
- 2015** All STC Bachelor Programs were offered 100% online
- 2017** Passage of SB 2118 during the 85<sup>th</sup> Legislative Session granted STC legislative authority to offer the Bachelor of Science in Nursing

## Baccalaureate Degrees

### *Approval Dates*

#### **Bachelor of Applied Technology**

- 2005** – Technology Management
- 2008** – Computer & Information Technologies
- 2011** – Medical & Health Services Management

#### **Bachelor of Applied Science**

- 2014** – Organizational Leadership

#### **Bachelor of Science**


- 2019** – Bachelor of Science in Nursing







**SOUTH TEXAS  
COLLEGE**


## National & State Recognitions

Out of 1,200 Community Colleges in the Nation

- ❖ **#1** In the Nation for **Most Affordable Online College** by *SR Education Group-Online Education Publisher (2016)*
- ❖ Bachelor of Applied Science in Organizational Leadership was named as a 2017 **Example of Excelencia!**
- ❖ **#1** In the Nation for **Most Affordable Bachelor's Degree in Technology Management** by *Bachelorsdegreecenter.org (2021)*
- ❖ **#1** In the Nation for **Best Organizational Leadership Degree Program** by *BestValueSchools.org (2021)*

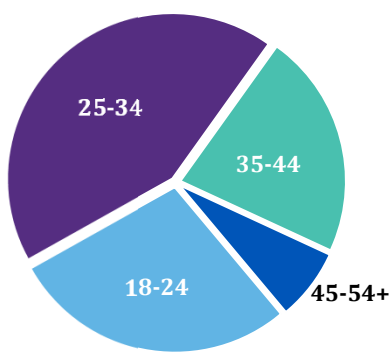
## Student Profile

As of Fall 2020

### Student Profile

|           |  |
|-----------|--|
| FT/PT     | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"> <div style="background-color: #008080; height: 10px; margin-bottom: 2px;"></div> <div style="background-color: #004a99; height: 10px; margin-bottom: 2px;"></div> </div> <div style="width: 55%;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>Part-time</span> <span>42.0%</span> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>Full-time</span> <span>58.0%</span> </div> </div> </div>   |
| Gender    | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"> <div style="background-color: #008080; height: 10px; margin-bottom: 2px;"></div> <div style="background-color: #004a99; height: 10px; margin-bottom: 2px;"></div> </div> <div style="width: 55%;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>Male</span> <span>44.0%</span> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>Female</span> <span>56.0%</span> </div> </div> </div>   |
| Ethnicity | <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 40%;"> <div style="background-color: #008080; height: 10px; margin-bottom: 2px;"></div> <div style="background-color: #004a99; height: 10px; margin-bottom: 2px;"></div> </div> <div style="width: 55%;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>2.0% Other/Unknown</span> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>3.0% White</span> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <span>Hispanic</span> <span>95.0%</span> </div> </div> </div> |

### Student Age



Source: STC's Research & Analytical Services

## Enrollment Trend

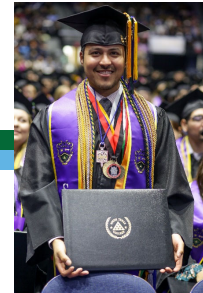
Fall 2005 – Fall 2020



Source: STC's Research & Analytical Services

## Program Graduates

2007-2020



### Bachelor Programs Graduates and Placement Rates

| Program                              | Graduates    | Survey Reported Placement Rate* |
|--------------------------------------|--------------|---------------------------------|
|                                      | 2007-2020    | AY 2018-2020                    |
| Technology Management                | 768          | 85%                             |
| Organizational Leadership            | 918          | 84%                             |
| Computer & Information Technologies  | 429          | 78%                             |
| Medical & Health Services Management | 527          | 74%                             |
| Bachelor of Science in Nursing       | 8            | NA                              |
| <b>Total as of August 2020</b>       | <b>2,650</b> |                                 |

Source: STC's Research & Analytical Services, \*Graduate Survey, 2021 (Survey Reported Placement Rate is based on the sum of employed, enrolled, and in military service.)

## Transfers into STC Bachelor Programs

Since 2015, over **102 students** have transferred into our Bachelor Programs.

### Top 5 Feeder Schools:

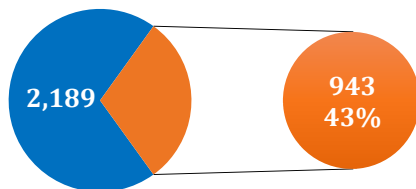
- ✓ Texas State Technical College - Harlingen
- ✓ University Of Texas Rio Grande Valley
- ✓ Houston Community College
- ✓ Austin Community College District
- ✓ Alamo Colleges District

In Spring 2021, STC began an extensive outreach effort to recruit AAS graduates from the 50 community colleges in Texas.

Source: STC's Research & Analytical Services

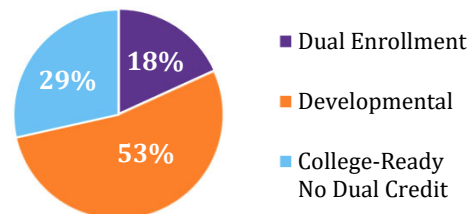
## Bachelor Programs Pathway

### SUBSEQUENT ENROLLMENT AFTER BACHELOR DEGREE



- Bachelor Program Graduates
- Graduates who transfer to a university to continue their education

### PROGRAM GRADUATES WITH PRIOR DUAL & DEVELOPMENTAL COURSEWORK



Source: STC's Research & Analytical Services

## Student Testimonials



*“The Technology Management Bachelor program at South Texas College was **my golden ticket to transition from a job into a professional career.**”*

Anali Alanis, Assistant City Manager, City of Pharr

*“One of the best things about this program is that the **coursework is aligned with real-world business scenarios.**”*

Oscar Garcia, Director of Facilities Maintenance, Port of Brownsville

*“STC has provided me with the opportunity to gain skills that **help me prove that I am qualified, driven, and committed** to making a positive impact within an organization.”*

Nereyda Hinojosa, Special Education Teacher



# Thank you



## **Presentation on Workforce Training Opportunities for Industry Partners in Reynosa**

Dr. Carlos Margo, Associate Dean of Industry Training and Economic Development, will present on workforce training opportunities for industry partners in Reynosa.

Working with the McAllen Economic Development Corporation, Index Reynosa, and other economic development partners, South Texas College's Office of Industry Training and Economic Development recognizes that there is a great benefit to our region by improving workforce training to partnering maquiladoras in Reynosa.

The Federal Reserve Bank of Dallas has noted that the economic condition of McAllen and surrounding communities is closely tied to the maquiladora industry in Reynosa. Their models predict that a 10 percent increase in maquiladora output results in a 6.6 percent increase in total employment in McAllen, largely in the service industry. Efforts to improve maquiladora productivity show great promise for the improved economic development of the region.

Toward that goal, Dr. Margo will present his proposal to provide customized workforce training to manufacturing employees in Mexico. By providing South Texas College's Institute of Advanced Manufacturing training, curriculum, and credentialing to worked in Reynosa's maquiladoras, the College will help communities continue to prosper on both sides of the border, improving performance and growth by existing business and supporting recruitment of new investments in the region. Such bi-national training initiatives are critical components in attracting national and international investment in new manufacturing and other business developments.

Currently, there are over 130,000 workers employed by over 150 manufacturing companies among the maquiladoras in Reynosa. These workers are producing for the automotive, electronic, medical, aerospace, and other industries, and over 80% of the companies have a United State affiliate. Furthermore, the United States-Mexico-Canada Agreement that replaced NAFTA encourages further growth on both sides of the US/Mexico border.

Dr. Margo will briefly outline the proposed training programs, including responsibilities and benefits to the College and partnering maquiladoras.

No action is requested. This information is presented to the Education and Workforce Development Committee for discussion and feedback.

## Workforce Training Opportunities for Industry Partners in Reynosa

1

### **Presented by:**

Dr. Carlos Margo, Associate Dean  
The Office of Industry Training  
and Economic Development  
South Texas College

## Workforce Training Opportunities for Industry Partners in Reynosa

2

### **Background and Purpose:**

- The Institute for Advanced Manufacturing at South Texas College (STC-IAM) proposes to provide customized manufacturing workforce training to manufacturing employees in Mexico.
- The proposed initiative is supported and will be facilitated by McAllen Economic Development Corporation and INDEX Reynosa.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Background and Purpose:

- STC-IAM will contract directly with the maquiladora manufacturing firms (Maquilas) to provide workforce training to their employees.
- Maquilas and STC-IAM will coordinate and administer the workforce training programs.
- STC-IAM will provide qualified technical trainers who are employed by STC or are contracted by STC-IAM as independent training providers.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Purpose:

- To help our communities continue to prosper by meeting the rapidly increasing demand for a skilled workforce.
- Business growth and market expansion strategy
- To help South Texas College expand its market reach into a new segment of industry.

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## Creating a Borderless Business Community

- ▶ Bi-national training initiatives are critical components of international business recruitment efforts.
  - Significantly reduced training costs to maquilas
  - Incentivizes investment in the international McAllen/Reynosa metro area.
  - Creates strategic supply chain advantages

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## Workforce Training Opportunities for Industry Partners in Reynosa

### **Benefits to South Texas College:**

- Increase economic prosperity in The Valley and the region
- Increase workforce training and college enrollment
- Increase revenue
- Build training capacity
- Advance business relations with global manufacturers



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## Reynosa Maquiladora Facts

- Over 130,000 workers currently employed at maquiladoras in Reynosa
- Over 150 manufacturing companies
- Industries: automotive, electronic, paper goods, metal fabrication, medical, medical research, aerospace, household goods, etc.
- Over 80% of companies have a U.S. affiliate
- Employee turnover currently a significant problem
- United States-Mexico-Canada Agreement encourages growth along both sides of the border
  - 75 percent of auto content must be made in North America.
  - Requires that a significant portion of vehicle content be made with high-wage labor.

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## Workforce Training Opportunities for Industry Partners in Reynosa

### Maquiladoras impact on McAllen:

According to the Federal Reserve Bank of Dallas,

- McAllen's economy and Reynosa maquiladora employment are closely related.
- Reynosa maquiladoras continue to grow.
- A 10 percent increase in maquiladora output leads to a 6.6 percent increase in total employment in McAllen.
- The bulk of the impact is on the service industry of the local economy.
- Proposed initiative is supported by McAllen Economic Development Corporation and INDEX Reynosa.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Responsibilities of Parties

#### Maquila:

- a.) Provide designated training spaces and other office and work facilities essential for conducting training and instruction as needed.
- b.) Allow STC-IAM to utilize production equipment for the purposes of on-the-job training.
- c.) Plan, schedule, and coordinate dates, times, and duration of requested training.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Responsibilities of Parties

#### Maquila:

- d.) Collaborate with STC-IAM in adopting a detailed training calendar with dates and times of planned, confirmed training.
- e.) Submit to STC-IAM Requests for Training (RFT).
- f.) Submit to STC-IAM a roster of all trainees prior to the start of each course.
- g.) Maintain all trainee information secured and confidential.
- h.) Secure any STC-IAM property stored at Maquila.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Responsibilities of Parties

#### Maquila:

- i.) Pay STC-IAM the agreed upon rate (in U.S. currency) in McAllen, Texas for each training course to be conducted.
- j.) Register all STC-IAM training equipment with the Mexican Economy Secretary (Secretaria de Economia).

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Responsibilities of Parties

#### STC-IAM:

- a.) Provide customized workforce training to maquiladora employees.
- b.) Provide or translate course curricula to Spanish as needed.
- c.) Maintain sole and exclusive ownership and possession of all training curricula and intellectual property.
- d.) Register all trainees as STC-IAM continuing education non-credit students.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Responsibilities of Parties

#### STC-IAM:

- e.) Provide each student an STC “A” number for tracking.
- f.) Retain exclusive authority to award students continuing education units (CEUs) and issue, according to its absolute and exclusive discretion, Certificates of Completion to trainees who successfully complete a course.
- g.) Compile and maintain trainee information confidential and secured.
- h.) Provide project oversight, management and administration to ensure training is conducted to STC-IAM’s standards.

## Workforce Training Opportunities for Industry Partners in Reynosa

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### Payment under Contract:

Maquila (U.S. affiliate) shall make payment to STC-IAM for services and activities described in each individual training contract, for the following categories:

- Tuition Fee Per Trainee (based on the Course Type)
- Number of trainees
- Course Special Modification Fee
- Total Individual Training Contract Fee

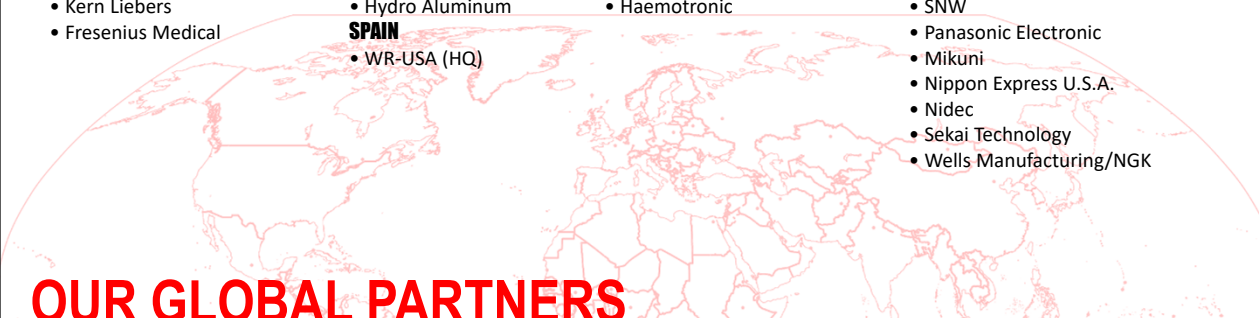
## Workforce Training Opportunities for Industry Partners in Reynosa

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### Payment under Contract

#### Fee Schedule:

- STC-IAM and Maquila will negotiate a fee schedule based on recovery of cost analysis to be paid to STC-IAM in connection with each individual training contract.
- It is anticipated that the individual training contract fee range shall be as follows:
  - Customized Training Course: \$17.00 to \$22.00 per course contact hour.



|  |   |   |   |
|--|---|---|---|
| <p><b>CANADA</b></p> <ul style="list-style-type: none"> <li>• EMU Plastics</li> </ul> <p><b>DENMARK</b></p> <ul style="list-style-type: none"> <li>• Unomedical, Inc</li> </ul> <p><b>ENGLAND</b></p> <ul style="list-style-type: none"> <li>• Essity (BSN Medical)</li> <li>• TI Group Auto Systems</li> </ul> <p><b>FRANCE</b></p> <ul style="list-style-type: none"> <li>• Cinch Connectors</li> <li>• Hutchison Automotive</li> <li>• Valeo Electronics</li> <li>• Globe Motors</li> <li>• St. Gobain Abrasives</li> </ul> <p><b>GERMANY</b></p> <ul style="list-style-type: none"> <li>• Kern Liebers</li> <li>• Fresenius Medical</li> </ul> | <p><b>KOREA</b></p> <ul style="list-style-type: none"> <li>• LG Electronics</li> <li>• LG Display</li> <li>• Samkwang</li> <li>• ESP</li> <li>• HD Electronics</li> <li>• American Empak</li> <li>• Kwangsung</li> <li>• Woori</li> </ul> <p><b>CHINA</b></p> <ul style="list-style-type: none"> <li>• Fisher &amp; Paykel</li> <li>• ARC Automotive</li> </ul> <p><b>NORWAY</b></p> <ul style="list-style-type: none"> <li>• Kongsberg Automotive</li> <li>• Hydro Aluminum</li> </ul> <p><b>SPAIN</b></p> <ul style="list-style-type: none"> <li>• WR-USA (HQ)</li> </ul> | <p><b>SWITZERLAND</b></p> <ul style="list-style-type: none"> <li>• Landis + Gyr</li> <li>• Kuehne &amp; Nagel</li> </ul> <p><b>TAIWAN</b></p> <ul style="list-style-type: none"> <li>• Eco Plastics</li> <li>• HCP</li> </ul> <p><b>MEXICO</b></p> <ul style="list-style-type: none"> <li>• Galvotec Alloys</li> <li>• Carbide Sources (Glinztech)</li> </ul> <p><b>Ireland</b></p> <ul style="list-style-type: none"> <li>• Aptiv (Delphi)</li> </ul> <p><b>ISRAEL</b></p> <ul style="list-style-type: none"> <li>• Netafin</li> </ul> <p><b>ITALY</b></p> <ul style="list-style-type: none"> <li>• Haemotronic</li> </ul> | <p><b>JAPAN</b></p> <ul style="list-style-type: none"> <li>• Alps Alpine North America</li> <li>• Bigston Corporation</li> <li>• Chiyoda</li> <li>• Denso Ten (HQ)</li> <li>• GSW</li> <li>• Alcom</li> <li>• Hankyu Hanshin Express</li> <li>• K-Line Logistics</li> <li>• Nippon Express USA</li> <li>• GSW de Mexico</li> <li>• TST Na Trim</li> <li>• Kanematsu Advanced Materials</li> <li>• Tokyo Zairyo</li> <li>• SNW</li> <li>• Panasonic Electronic</li> <li>• Mikuni</li> <li>• Nippon Express U.S.A.</li> <li>• Nidec</li> <li>• Sekai Technology</li> <li>• Wells Manufacturing/NGK</li> </ul> |
|--|---|---|---|

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