

South Texas College
Board of Trustees
Education and Workforce Development Committee
Ann Richards Administration Building, Board Room
Pecan Campus
Thursday, August 14, 2014
@ 3:30 p.m.
McAllen, Texas

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 Thursday, July 10, 2014 Committee Meeting 1 - 7
- II. Review and Recommend Approval of Academic Calendar for Academic Year 2015-2016..... 8 - 10
- III. Presentation on Professional and Organizational Development Opportunities at South Texas College..... 11 - 20
- IV. Presentation on “T-STEM Challenge Scholarships” Funded by a Grant from the Texas Higher Education Coordinating Board 21 - 27
- V. Presentation on Precision Manufacturing Technology 28 - 39

Approval of Minutes for July 10, 2014 Committee Meeting

The Minutes for the Education and Workforce Development Committee meeting of July 10, 2014 are presented for Committee approval.

**South Texas College
Board of Trustees
Education and Workforce Development Committee
Ann Richards Administration Building, Board Room
Pecan Campus
Thursday, July 10, 2014
@ 3:30 p.m.
McAllen, Texas**

MINUTES

The Education and Workforce Innovation Committee Meeting was held on Thursday, July 10, 2014 in the Ann Richards Administration Building Board Room at the Pecan Campus in McAllen, Texas. The meeting commenced at 3:35 p.m. with Mrs. Graciela Farias presiding.

Members present: Mrs. Graciela Farias, Dr. Alejo Salinas, Jr., and Mr. Gary Gurwitz

Other Trustees present: None

Members absent: None

Also present: Dr. Shirley A. Reed, Dr. Anahid Petrosian, Ms. Celinda Palacios, Ms. Sofia Pena, Ms. Laura Talbot, and Mr. Andrew Fish

Approval of Minutes for May 8, 2014 Committee Meeting

Upon a motion by Dr. Alejo Salinas, Jr. and a second by Mr. Gary Gurwitz, the Minutes for the Education and Workforce Development Committee meeting of May 8, 2014 were approved as written. The motion carried.

Presentation on Career and Employer Services

Ms. Celinda Palacios, Director of Career and Employer Services, provided a presentation on Career and Employer Services at South Texas College.

Through a robust website, career expos, workshops, and other events, the department provides services to help South Texas College graduates and alumni start their careers as well as services to employers looking to hire talented and competent employees.

Ms. Palacios reviewed the services that the College provides to students, including career planning, assistance with resumes and preparation for interviews, and direct connection with hiring employers.

The *Backpack to Briefcase* program was offered district wide, and helped students make the transition from academia to the professional world.

The presentation then switched focus to showcase the tools South Texas College provides to employers, who can use the College's website to make connections with the graduates who are now eager to start working. Ms. Palacios provided a guided tour of the web interface as seen by interested employers, and also demonstrated how this powerful tool provided STC the ability to track local employment and job market trends and compare them to national data.

This presentation was for the Committee's information and feedback to staff, and no action was requested.

Presentation on the Texas Higher Education Coordinating Board Grant to Establish Career and Technical Education Early College High Schools with Mission CISD and Weslaco ISD

On May 27, 2014 the South Texas College Board of Trustees approved the "School to Career Early College High School" grant from the Texas Higher Education Coordinating Board

School to Career Early College High School Grant Timeline

- February 2014 – THECB issued a call for grant applications
- March 2014 – South Texas College applied for grant funding for Career and Technical Education Early College High Schools (CTE-ECHS)
- May 2014 – THECB approved FIVE CTE-ECHS programs statewide, including TWO with South Texas College and its partnerships with Mission CISD and Weslaco ISD

This grant supported the development of two new Early College High Schools in partnership with Mission CISD and Weslaco ISD. At each of these ECHS campuses, students would have the opportunity to earn an Associate of Applied Science degree in the high demand, high skill fields of Diesel Mechanics, Precision Manufacturing Technology, or Welding.

South Texas College would disburse \$600,900 in grant funds to the partner school districts. Each school district would use this funding for instruction and staffing, and the College would provide 50% funding to hire a CTE Coordinator for these programs. The school districts would bear the responsibility for any costs beyond those provided for through grant disbursement, and would also be required to maintain these ECHS programs beyond the grant period.

These new CTE focused Early College High Schools would help the school districts meet their HB5 CTE pathway requirement that encouraged students on a CTE pathway to enroll in dual credit courses that "lead to a degree, license, or certification." They were expected to serve as flagship programs for the concept of Career and Technical

Education Early College High Schools, which could revolutionize the public approach to workforce training and opportunities to high school students.

This item was for the Committee's review and feedback to staff only, and no action was requested.

Review and Discussion of High School College Readiness Course as Required by HB5

Under section 10 of House Bill 5 (HB5), the 83rd Legislature of the State of Texas established the requirement that each Independent School district in the State of Texas must partner with *at least* one institution of higher education to develop and provide courses in college preparatory mathematics and English language arts.

A Memorandum of Understanding was developed that would join South Texas College with the University of Texas Pan-American, the University of Texas at Brownsville, Texas State Technical College-Harlingen, and Texas Southmost College in a collaborative development of the curriculum to satisfy the HB5 requirement, and to offer the curriculum to local school districts through partnerships.

Upon the formation of University of Texas – Rio Grande Valley the MOU could be rewritten to incorporate that institution in place of UTPA and UTB.

This MOU provided the five public institutions of higher education in Cameron, Hidalgo, and Starr counties the opportunity to develop the curriculum to be used by the partner ISDs in preparing their students for college level coursework. Faculty at each institution were involved in this development, and ISD teachers would be given professional development to help them understand and follow the developed curriculum as designed by the institutions of higher education.

The MOU was provided in the packet, along with a course development and implementation timeline.

By signing this MOU with peer institutions of higher education, South Texas College would participate in the collaborative development of the HB5 courses for mathematics and English Language Arts. This would help STC verify that the curriculum was designed to meet appropriate standards, and would also enter STC into an agreement with each of the other institutions of higher education to share data and provide feedback regarding student success for students completing the HB5 courses. This would help develop and maintain a college preparatory curriculum as an effective tool for student success.

Ms. Laura Talbot, Director of Curriculum and Student Learning, lead the review and discussion to provide the Committee with the necessary background information and to respond to questions as appropriate.

This item was for the Committee's information and feedback to staff, and no action was requested.

Review of Proposed Presentations to the Association of Community College Trustees (ACCT)

The Association of Community College Trustees (ACCT) invited South Texas College to develop and present one pre-Congress session and four concurrent sessions at the ACCT Leadership Congress in Chicago, October 22 – 25th, 2014:

Pre-Congress session

Wednesday, October 22nd, tentatively 1:30 p.m. – 2:30 p.m.

Track 6: *The Pros and Cons of Board Committees to Improve the Governance Role of a Board of Trustees*

Presenters:

Mr. Roy de León, Board Chair;
Ms. Rose Benavidez, Past Chair;
Mrs. Graciela Farias, Trustee;
Mr. Gary Gurwitz, Trustee; and
Dr. Shirley A. Reed. College President.

Concurrent Sessions

Thursday, October 23rd or Friday, October 24th

- 1. Track 2:** *Increasing the Educational Attainment Level in Your Region Through Applied Baccalaureates Offered through your Community College*

Presenters:

Mr. Roy de León, Board Chair;
Mrs. Graciela Farias, Trustee;
Mr. Gary Gurwitz, Trustee;
Dr. Shirley A. Reed. College President;
Dr. Anahid Petrosian, Vice President for Academic Affairs; and
Dr. Ali Esmaili. Dean for Math, Sciences, and Bachelor Programs.

2. Track 4: *Building Toward the Future – Effective Strategies for Successfully Passing a Bond and Maintenance Tax Election During Challenging Economic Times*

Presenters:

Mr. Roy de León, Board Chair;
Mr. Paul R. Rodriguez, Secretary;
Ms. Rose Benavidez, Past Chair;
Mrs. Graciela Farias, Trustee;
Mr. Gary Gurwitz, Trustee; and
Dr. Shirley A. Reed. College President.

3. Track 5: *Creating a College-Going Culture as a Successful, Proactive Strategy to Combat Poverty*

Presenters:

Ms. Rose Benavidez, Past Chair;
Mrs. Graciela Farias, Trustee;
Dr. Shirley A. Reed. College President; and
Dr. Anahid Petrosian, Vice President for Academic Affairs.

Concurrent Session partnered with Monroe County Community College (Monroe County, Michigan)

Thursday, October 23rd or Friday, October 24th

As recommended by the Association of Community College Trustees, South Texas College collaborated with Monroe County Community College to develop a joint presentation. Each College would have approximately 25 minutes for their own presentation, and a ten minute Q&A session would follow the presentations.

Track 2: *Pathway to College Completion through Dual Enrollment at South Texas College and Monroe County Community College*

South Texas College Presenters:

Mr. Paul R. Rodriguez, Secretary;
Mrs. Graciela Farias, Trustee;
Dr. Shirley A. Reed. College President; and
Dr. Anahid Petrosian, Vice President for Academic Affairs.

Monroe County Community College Presenters:

Dr. Jamie DeLeeuw, Coordinator of Research, Evaluation, and Assessment,
Monroe County Community College
Dr. James DeVries, Trustee, Monroe County Community College
Mr. Robert Kruger, Principal, Monroe County Middle College
Dr. Kojo Quartey, President, Monroe County Community College

Dr. Anahid Petrosian, Vice President for Academic Affairs, was collaborating with Monroe County Community College to develop this joint presentation.

This item was for the Committee's information and feedback to staff, and no action was requested.

Adjournment

There being no further business to discuss, the Education Workforce Development Committee Meeting of the South Texas College Board of Trustees adjourned at 4:36 p.m.

I certify that the foregoing are the true and correct minutes of the July 10, 2014 Education and Workforce Development Committee of the South Texas College Board of Trustees.

Mrs. Graciela Farias
Chair

Review and Recommend Approval of Academic Calendar for Academic Year 2015-2016

Approval of the 2015 - 2016 Academic Calendar will be requested at the August 26, 2014 Board meeting.

The Academic Calendar Steering Committee, which includes representatives from each area of the College, has developed the 2015 - 2016 Academic Calendar. The calendar was developed to be compatible with UTPA's academic calendar and local area school district calendars. The calendar was presented to STC faculty and staff for their review, feedback, and input during the months of March and April. Input received from faculty and staff was incorporated into the proposed calendar.

The proposed calendar has been unanimously approved by the Calendar Steering Committee and has been reviewed and approved by the STC Planning and Development Council.

The proposed calendar follows in the packet for the Committee's review and consideration.

The Committee is asked to recommended the 2015 - 2016 Academic Calendar for approval at the August 26, 2014 Board meeting as presented.



Academic Calendar 2015- 2016

Draft as of 5/6/2014

Fall Semester 2015

August 12 (Wednesday)	New Faculty Start Date -New Faculty Benefits & Orientation Human Resources Dept.
August 13 (Thursday)	New Faculty Orientation
August 14 (Friday)	New Faculty Service Area Tour
August 17 (Monday)	Faculty Return – Academic Affairs Convocation/Division Meetings
August 18 (Tuesday)	Distance Education/Virtual Campus Symposium
August 19 (Wednesday)	STC Faculty Teaching Dual Enrollment PD Day
August 20-21 (Thursday-Friday)	Faculty Preparation Days / Departmental Meetings
August 22 (Saturday)	Adjunct / Dual Enrollment Faculty Professional Development Day
August 24 (Monday)	Classes Begin
September 7 (Monday)	College Closed – Labor Day
September 9 (Wednesday)	Census Day - Twelfth Class Day
September 18 (Friday)	College Closed - Professional & Organizational Development Day
November 13 (Friday)	Last Day to Withdraw
November 26-29 (Thursday – Sunday)	College Closed - Thanksgiving Holiday
December 7-13 (Monday – Sunday)	Finals
December 14 (Monday)	Grades Due Date
December 17-January 3 (Thursday-Sunday)	Winter Break (College Closed)

Spring Semester 2016

January 4 (Monday)	College Opens – Staff return
January 11 (Monday)	Faculty Return – Division / Department Meetings
January 12 (Tuesday)	New Faculty Benefits & Orientation - Human Resources Dept.
January 13-15 (Wednesday-Friday)	Faculty Preparation Day /Departmental Meetings
January 16 (Saturday)	Adjunct /Dual Enrollment Faculty Professional Development Day
January 18 (Monday)	Martin Luther King, Jr. Day – College Closed
January 19 (Tuesday)	Classes Begin
February 3 (Wednesday)	Census Day - Twelfth Class Day
February 12 (Friday)	College Closed Professional & Organizational Development Day
March 14 – 20 (Monday - Sunday)	College Closed - Spring Break
March 24 – March 27 (Thursday – Sunday)	College Closed - Semester Break
April 19 (Tuesday)	Last Day to Withdraw
May 7-13 (Saturday – Friday)	Finals
May 13-14 (Friday - Saturday)	Graduation
May 16 (Monday)	Grades Due Date

Summer Sessions 2016

Summer Session I (June 6 – July 7)

May 30 (Monday)	College Closed - Memorial Day
May 31-June 5 (Tuesday-Sunday)	Final registration dates for Summer I, III
June 6 (Monday)	Classes Begin
June 9 (Thursday)	Census Day - Fourth Class Day
June 29 (Wednesday)	Last Day to Withdraw
July 4 (Monday)	College Closed-Independence Day
July 6 (Wednesday)	End of Classes
July 7 (Thursday)	Finals
July 11 (Monday)	Grades Due Date

Summer Session II (July 13 – August 12)

July 11-12 (Monday-Tuesday)	Final registration dates for Summer II
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 Classes
August 12 (Friday)	Finals
August 15 (Monday)	Grades Due Date

Summer Session III (June 6 – August 12)

May 31-June 5 (Tuesday-Sunday)	Final registration dates for Summer I, III
May 30 (Monday)	College Closed - Memorial Day
June 6 (Monday)	Classes Begin
June 14 (Tuesday)	Census Day - Seventh 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 Classes
August 12 (Friday)	Finals
August 15 (Monday)	Grades Due Date

Presentation on Professional and Organizational Development Opportunities at South Texas College

Dr. Anahid Petrosian, Vice President for Academic Affairs, will introduce Ms. Lee Grimes, Director of Professional and Organizational Development to present on the many programs developed and maintained by the Office of Professional and Organizational Development.

The Office of Professional and Organizational Development provides a variety of academies and programs for faculty and staff in alignment with institutional initiatives and priorities.

Ms. Grimes will provide an overview of the Office of Professional and Organizational Development opportunities at South Texas College, including:

- College-wide Events
- Faculty Development
- Staff Development
- Organizational Development

These programs provide many opportunities for faculty and staff to engage in professional, organizational and personal development. This focus on continual development contributes to the culture of highly-motivated and highly-skilled faculty and staff that makes South Texas College a world class institution.

In addition to the established programs, the Office of Professional and Organizational Development coordinates with college administration and staff to seek out opportunities to develop and offer customized workshops to provide focused training on an as-needed basis. This allows the College to meet its commitment to being dynamically responsive to the growing needs of its students, faculty, and staff.

No action is requested. This item is for the Committee's information and feedback to staff.

Office of Professional & Organizational Development

Center for Teaching and Learning

Professional & Organizational Development Opportunities at South Texas College

Office of Professional & Organizational Development
 **STC** Center for Teaching & Learning

Presentation for
Education and Workforce Development Committee
August 14, 2014

Outline

Overview of Offerings

- College-wide Events
- Faculty Development
- Staff Development
- Organizational Development



College-Wide Events

- College-Wide Professional & Organizational Development Days
- Academic Affairs Convocation
- Adjunct and Dual Enrollment Faculty Professional Development Days
- Dual Enrollment Principals' Summit



Faculty Development

- Teaching & Learning Academy
- FOCUS Academy
- Part-time Faculty Development
- Leadership Academy for Chairs



TEACHING & LEARNING
ACADEMY



POWERFUL TEACHING. POWERFUL LEARNING



FRIDAY, AUGUST 1

2014

STLA FOR CHAIRS



building the bridge between high school & college

COLLEGE READINESS
academy

learn how to apply & be a part of the change

Staff Development

- ACTA
 - Ambassadors Cross Training Academy
- STLA for Staff
 - South Texas Leadership Academy
- Customized Training Opportunities



Organizational Development



Organizational Development

- Employee Onboarding
- Academies
- Customized Development
- Partnerships and Collaborations
- Recognizing Excellence



Employee Onboarding - Faculty

- New Faculty Orientation
- New Faculty Service Area Tour
- Teaching & Learning Academy



Employee Onboarding - Staff

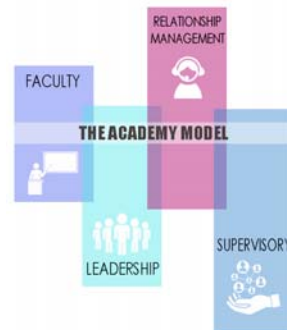
Jaguar Academy

- Session Topics
- Service Area Tour
- Pledges of Commitment
- Reflections of the STC Spirit



Academies

- Faculty
- Leadership Pyramid
- Relationship Management
- Supervisory



Academies – Leadership Pyramid

Three Levels of Leadership Development

- Distinguished Leadership Academy (DLA)
- Ambassadors Leadership Academy (ALA)
- Ambassadors Cross-Training Academy (ACTA)



Distinguished Leadership Academy



Ambassador Leadership Academy



Ambassadors Cross Training Academy

This I Believe

- A living history of South Texas College
- Essay and video collection
- Showcased at each South Texas College Ambassadors Commissioning Ceremony and at College-Wide Professional & Organizational Development Day



Academies – Relationship Management

- Relationship Management
 - Three Cohorts a Year



Academies - Supervisory

Supervisory

- Level 1 for Frontline Staff
- Level 2 for Directors



Customized Development

Types of Workshops Offered:

- Communication Skills
- Conflict Resolution
- Customer Service
- Teambuilding
- Appreciative Inquiry
- Change Management



Partnerships & Collaborations

- Events and Conferences at South Texas College
- A variety of state and national organizations conference planning and publications
- Steering committee service for major initiatives
- Production of reference guides, manuals and annual reports

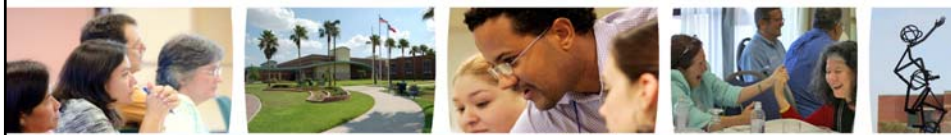


Recognizing Excellence

- Distinguished Teaching & Learning Award
- Distinguished Staff Award
- Spirit Award
- Academic Classification for Faculty
- National Institute for Staff and Organizational Development (NISOD) Awards
- eFaculty of the Year
- Faculty of the Year



**Thank You For
Your Support!**



Presentation on “T-STEM Challenge Scholarships” Funded by a Grant from the Texas Higher Education Coordinating Board

The Texas Higher Education Coordinating Board (THECB) has awarded South Texas College a grant in the amount of \$263,160 to be used to provide 100 scholarships in the amount of \$2,500 to students with a Science, Technology, Engineering, or Math (STEM) major. This award will be provided for formal Board approval at the August 26, 2014 Regular Board Meeting.

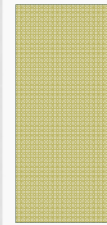
In 2011, the 82nd Legislature passed a bill to address the state’s need to increase student interest in and completion of STEM programs. The THECB set up a grant to provide qualifying Texas public community and technical colleges with scholarship funding to incentivize students to enter and succeed in these programs.

These funds are provided to South Texas College with no requirement of cost sharing or fund matching. \$250,000 will be awarded to students, with a focus on underserved and low income students. In addition to the direct scholarship award, these students will be required to participate in career readiness workshops that will help them develop their resume and interview skills and will teach them to use the STC Job board. The remaining \$13,160 will go toward administration of the scholarship and programs for scholarship recipients.

Mr. Miguel Carranza, Associate Dean for Student Financial Services and Veterans’ Affairs, and Dr. Ali Esmaeili, Dean for Math, Science, and Bachelor Programs, will provide additional information to the Committee.

No action is requested. This item is for the Committee’s information and feedback to staff.

TEXAS- SCIENCE, TECHNOLOGY,
ENGINEERING AND MATHEMATICS
(T-STEM)



TEXAS- SCIENCE, TECHNOLOGY,
ENGINEERING AND MATHEMATICS (T-STEM)
CHALLENGE SCHOLARSHIP PROGRAM

Purpose of Program

To select qualified students pursuing degree programs identified STEM programs. T-STEM grants will help to increase graduation of students enrolled in STEM and related degree and certificate programs. (THECB, Section 3, 3.1)

T-STEM Scholarships

Scholarships are awarded to eligible students in an amount not to exceed \$2,500 annually for a maximum of two years of support.

T-STEM CHALLENGE SCHOLARSHIP PROGRAM CRITERIA

Eligibility Criteria

- Have graduated from high school with an average of at least a 3.0 GPA on a four-point scale in mathematics and science courses
- Be enrolled at a participating institution and declared a TSTEM eligible major
- Agree to work no more than 15hrs/week in their chosen instructional program
- Register with Selective Service (males only)

2ND YEAR REQUIREMENTS

Renewal Criteria

- Previously received an initial scholarship award
- Remain enrolled in a TSTEM eligible major
- Maintain an overall GPA of at least 3.0
- Complete 80% of all semester credit hours attempted each semester
- Complete at least 30 semester cred hours within the prior year
- Agree to work no more than 15hrs/week in their chosen instructional program

T-STEM CHALLENGE SCHOLARSHIP PROGRAM DATA

2012-2013 TSTEM DATA (YR 1)	
121 Students Awarded	
Fall 2012	\$147,500
Spring 2013	\$126,250
Total Amount Awarded	\$273,750

Source: STC Student Financial Services

T-STEM CHALLENGE SCHOLARSHIP PROGRAM DATA

2013-2014 TSTEM DATA (YR 2)	
102 Students Awarded	
Fall 2013	\$121,250
Spring 2014	\$116,250
Total Amount Awarded	\$237,500

Source: STC Student Financial Services

T-STEM TRANSFERS

18 transferred to other institutions

Austin Community College	1
Texas A&M University – Corpus Christi	1
Texas A&M – International University	1
Texas Woman’s University	1
University of Houston	1
University of Texas – Pan American	13

Source: STC Research & Analytical Services

T-STEM CHALLENGE SCHOLARSHIP PROGRAM DATA

2014-2015 TSTEM Projections (YR 3)

Application Estimate of Students	100
Number of Scholarship per Award	100
Award Allocation	\$250,000

Source: STC Student Financial Services

CHALLENGES

Challenges:

- Student high school transcripts needed to be reviewed manually to obtain 3.0 GPA in Math and Science only
- Transfer and GED students experienced difficulty in obtaining transcripts and/or translation
- Students working full-time did not want to work additional 15 hours to meet T-STEM requirements
- Part-time job needed to be in a STEM field
- Student commitment to earn 30 credit hours per academic year

CLARIFICATION

2014-2015 T-STEM Clarification:

- Students are still eligible for the T-STEM even if they do not plan to work
- STEM field no longer a requirement for students working or wishing to work

TRANSFER PROGRAMS TO UTPA

- Biology
- Computer Information System
- Computer Science
- Engineering
- Physics
- Pre-Pharmacy
- Computer & Information Technology
- Mathematics

Presentation on Precision Manufacturing Technology

Dr. Anahid Petrosian, Vice President for Academic Affairs, will introduce Mr. Daniel Morales, Department Chair for Precision Manufacturing Technology.

The Precision Manufacturing Technology program at South Texas College was the first in the State of Texas to earn the National Institute for Metalworking Skills (NIMS) accreditation. This accreditation establishes the value of a South Texas College Associate Degree or Certificate in Precision Manufacturing Technology to the NIMS stakeholders base of over 6,000 metalworking companies nationwide.

The major trade associations in the industry have invested over \$7.5 million in private funds for the development of the NIMS standards and its credentials, including:

- Association for Manufacturing Technology,
- National Tooling & Machining Association,
- Precision Machine Products Association,
- Precision Metal-forming Association, and
- Tooling and Manufacturing Association.

These associations also contribute annually to sustain NIMS operations and are committed to the upgrading and maintenance of the standards.

Mr. Morales will provide the Committee with a review of the skills taught to students in the PMT program, and will review the job opportunities available to students upon completion.

This item is for the Committee's review and feedback to staff only, and no action is requested.

The Precision Manufacturing Technology Program



Education and Workforce Development Committee Meeting

Thursday, August 14, 2014

Daniel Morales, Chair, PMT Program
Mario Reyna, Dean, Business & Technology

Outline

- ❑ Precision Manufacturing Program (PMT)
- ❑ Background & Department Overview
- ❑ Graduates & Placement
- ❑ Facilities & Equipment
- ❑ Achievements & Recognitions
 - ❖ NIMS Accreditation
 - ❖ Student Success Story

Background

- ❑ The PMT Program was **established in the Fall 1995 semester.**
- ❑ The **PMT Advisory Committee** is comprised of plant managers. The committee has designed program criteria to match the needs of the industry.



Department Overview

Precision Manufacturing Program Offerings:

- ❑ **Certificate (CT1)**
 - 28 Credit hour program
- ❑ **Associate of Applied Science (AAS)**
 - 64 Credit hour program
- PMT Program Video <http://youtu.be/TwsBS20Ae9E>



Department Overview

Faculty

- ❑ 5 Full-time Faculty
- ❑ 3 Adjunct Faculty
- ❑ 4 Dual Enrollment Faculty

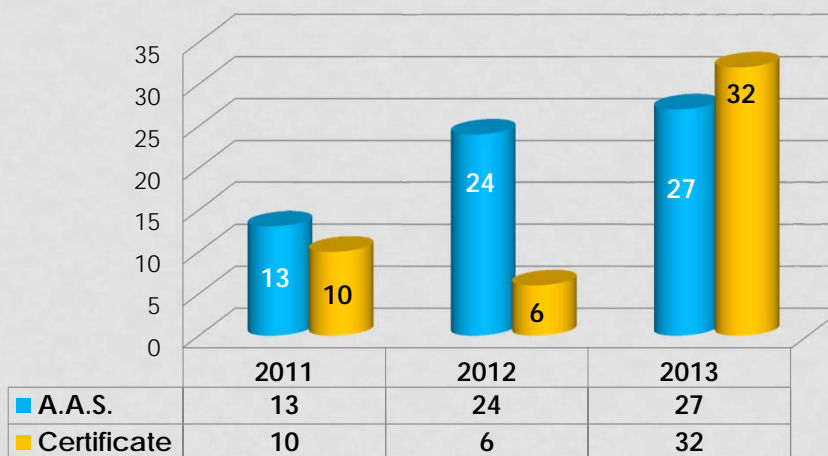
ISD Partners

- ❑ Rio Grande
- ❑ Donna
- ❑ Hidalgo
- ❑ Mission
- ❑ Mission Veterans



PMT Declared Majors

Fall 2011-2013*



*Fall semester - Headcount by Student Declared Major

PMT Graduates

2011-2013



PMT Graduate Placement

Graduate Placement Rate	
Academic Year	Placement Rate
2008-2009	80%
2009-2010	90%
2010-2011	96%
2011-2012	100%

Source: From state collected and reported data for those graduating in “Tool and Die Technology/Technician—CIP 48050700;” data available only through 2012.

Facilities and Equipment

Machining Labs

- ❑ 5 Full-Scale Machine Shops
- ❑ Machining, CNC, Inspection, Welding Labs
 - CAD/CAM computer labs



Full-Scale Shop Facility

❑ State-of-the-Art Industrial Equipment

- ✓ Engine Lathes
- ✓ Milling Machines
- ✓ Surface Grinders
- ✓ Band Saws
- ✓ HAAS CNC Mills
- ✓ HAAS CNC Lathes





NIMS Accreditation

National Institute for Metalworking Skills
Accreditation

**STC is the only Community College in
Texas with NIMS accreditation**

- ❑ 2007: Initial Accreditation
- ❑ 2013: Renewed Accreditation for 5 years



STC PMT Program

NIMS MACHINING LEVEL I CERTIFICATION

Seven Faculty Credentials

1. Measurements, Materials & Safety
2. Job Planning, Bench-work & Layout
3. Manual Milling Skills
4. Drill Press Skills
5. Grinding Skills
6. Turning Operations: Turning Between Centers
7. Turning Operations: Turning Chucking Skills



NIMS Accreditation

Benefits

- ✓ Industry Recognition for **Quality**
- ✓ Conveys **Excellence** to Industry Partners, Grantors, Potential Students and their Families
- ✓ Students Learn to Operate at High Levels of **Performance**
- ✓ Students Develop the Same **Quality of Machining** Skills as other NIMS Professionals from across the country



Student Success Story

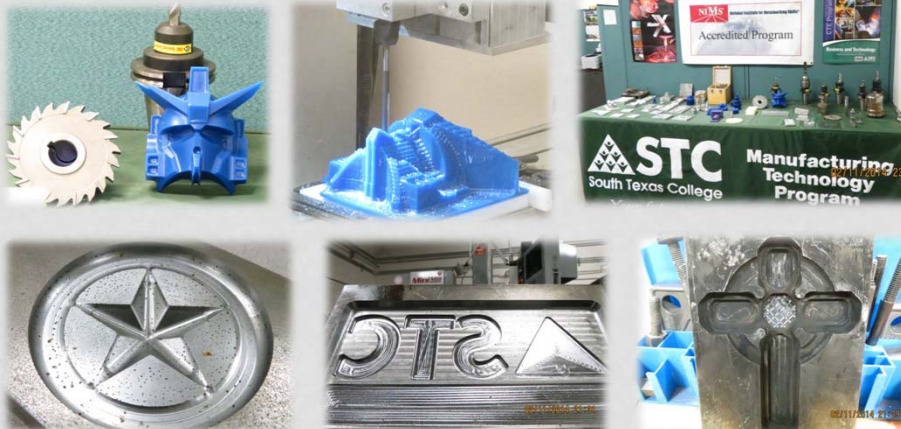
Skills USA Competition

Video:

<http://youtu.be/RojND06r1Fw>



Student Work



STC Hosted National Conference Standards Laboratory International Event (NCSLI-RGV)

140 Participants

- Local and international professionals
- College students
- Dual Enrollments



PMT Competition March 2014



Precision Manufacturing Technology Dual Enrollment students and PMT instructor Mario A. Olivera recognized for their precision skills in the annual competition.

Manufacturing Career and Expo April 2, 2014

Great Platform to **Showcase the Impact of the Manufacturing Industry in Regional Workforce**

- ❑ Provided students the opportunity to meet **potential employers** .
- ❑ **Over 60** manufacturers, plant managers, community leaders attended this event.



Donna ISD NIMS Certification Award Ceremony

- ❑ 19 PMT Dual enrollment senior students at Donna North High School & Donna High School
- ❑ Recognized for earning a certification from the **National Institute for Metalworking Skills (NIMS)**.





**Thank You For Your
Support!**