

**Linda Reichwein Zientek**  
**Assistant Professor Mathematics Education**  
**Sam Houston State University**  
**Department of Mathematics and Statistics**  
**Huntsville, Texas 77341**  
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## **EDUCATIONAL EXPERIENCE**

Texas A&M University	Ph. D., 2006
Curriculum and Instruction (Mathematics Education)	
College Station, Texas	
Sam Houston State University	M.S., 1997
Mathematics	
Huntsville, Texas	
Sam Houston State University	B.S., 1995
Mathematics with a Minor in Statistics	
Huntsville, Texas	

Dissertation: *Do Teachers Differ by Certification Route? Novice Teachers' Sense of Self-Efficacy, Commitment to Teaching, and Preparedness to Teach.* **Department of Teaching, Learning, and Culture 2007 Dissertation of the Year from Texas A&M University**

## **PROFESSIONAL EXPERIENCE**

Fall 2007 – Present    Assistant Professor  
Aug 1997 – 2007      Blinn College Mathematics Instructor  
July 1997 – Aug 1997 Blinn College Learning Center Assistant

## **RESEARCH INTERESTS**

My research interests include mathematics education, the preparation of mathematics teachers, community college and P16 initiatives, and quantitative research methods. I am interested in students' self-efficacy beliefs, the origins of these beliefs, and the impact these beliefs have on academic achievement.

## **PUBLICATIONS**

### **Peer-Reviewed Journal Publications**

18. **Zientek, L. R.**, Yetkiner, Z. E., Fong, C., & Griffin, M. (in press 2012). Factors influencing student success in developmental mathematics courses. *Community College Journal of Research and Practice*.
17. Kraha, K., Turner, H., Nimon, K., **Zientek, L. R.**, & Henson, R. (2012). Tools to support interpreting multiple regression in the face of multicollinearity. *Frontiers in Quantitative Psychology and Measurement*. doi: 10.3389/fpsyg.2012.00044

16. Nimon, K., **Zientek, L. R.**, & Henson, R. K. (2012). The assumption of a reliable instrument and other pitfalls to avoid when considering the reliability of data. *Frontiers in Quantitative Psychology and Measurement*. doi. 10.3389/fpsyg.2012.00102
15. **Zientek, L. R.**, & Yetkiner Ozel, Z. E. (2012). Self-reported reasons developmental mathematics students provided for not completing a mathematics course during their senior year of high school. *Mediterranean Journal for Research in Mathematics Education*.
14. Young, E., & **Zientek, L. R.** (2011). Fraction operations: An examination of prospective teachers' errors, confidence, and bias. *Investigations in Mathematics Learning*, 4(1), 1-23.
13. Matteson, S. M., Swarthout, M., & **Zientek, L. R.** (2011). Student motivation: Perspectives from mathematics teachers. *Action in Teacher Education*, 33, 283-297 doi: 10.1080/01626620.2011.592123
12. **Zientek, L. R.**, Carter, T. A., Taylor, J. M., & Capraro, R. M. (2011). Preparing Prospective Teachers: An Examination of Attitudes Toward Statistics. *The Journal of Mathematical Sciences and Mathematics Education*, 5, 25-38
11. **Zientek, L. R.** & Thompson, B. (2010). Using commonality analysis to quantify contributions that self-efficacy and motivational factors make in mathematics performance. *Research in the Schools*, 17, 1-12.
10. **Zientek, L. R.**, Yetkiner, Z. E., & Thompson, B. (2010). Characterizing the mathematics anxiety literature using confidence intervals as a literature review mechanism. *The Journal of Educational Research*, 103, 424-438.
9. **Zientek, L. R.**, & Thompson, B. (2009). Matrix Summaries Improve Research Reports: Secondary Analyses Using Published Literature. *Educational Researcher*, 38, 343-352.
8. Capraro, R. M., Burlbaw, L.M., & **Zientek, L. R.** (2009). Content and pedagogical knowledge in Colorado teachers? Mathematics exams at the turn of the 20th century, *Curriculum History 2009*, 158-174.
7. **Zientek, L. R.**, & Thompson, B. (2008). Preparing high-quality mathematics and science teachers: Are we meeting the challenge? *Research in the Schools*, 15, 1-19.
6. **Zientek, L. R.**, Capraro, M. M., & Capraro, R. M. (2008). Reporting practices in quantitative teacher education research: One look at the evidence cited in the AERA panel report. *Educational Researcher*, 37, 208-216.
5. **Zientek, L. R.** (2007). Preparing high quality teachers: Views from the classroom. *American Educational Research Journal: Teaching, Learning, and Human Development*, 44, 959-1001.
4. **Zientek, L. R.**, & Thompson, B. (2007). Applying the bootstrap to the multivariate case: Bootstrap factor analysis. *Behavior Research Methods*, 39, 318-325.

3. **Zientek, L. R.**, & Thompson, B. (2006). Commonality analysis: Partitioning variance to facilitate better understanding of data. *Journal of Early Intervention*, 28, 299-307.
2. **Zientek, L.R.**, Wahrmund, T., & Garlick, B. (2006, July). Essential components of effective certification programs. *Association of Mathematics Teacher Educators (AMTE) Update*.
1. **Zientek, L. R.**, Kadhi, T. G., & Capraro, R. M. (2005). Alternative certification programs analysis. *Academic Exchange Quarterly*, 9, 121-125.

### **Book Review (Peer-Reviewed)**

1. Book Review: Exploratory and confirmatory factor analysis: Understanding concepts and applications. B. Thompson. Washington, DC: American Psychological Association. 2004. *Structural Equation Modeling: A Multidisciplinary Journal*, 15, 729-734.

### **Book Chapters**

2. **Zientek, L. R.**, & Yetkiner, Z. E. (2010). Pooled variance. In N. J. Salkind (Ed.), *Encyclopedia of research design* (pp. 1050-1052). Thousand Oaks, CA: Sage.
1. **Zientek, L. R.**, & Cory, B. (accepted). *Polygons*. In S. J. Greenwald & J. E. Thomley (Eds.), *Encyclopedia of Mathematics and Society*, 779-782. Pasadena, CA: Salem Press.

### **Invited**

1. **Zientek, L. R.**, & Gann, L. (2007). College readiness vertical teams: An inside view. *Texas Community College Teachers Association Messenger*, XLIII, 6.

### **PRESENTATIONS**

#### **National/International**

17. Frels, R., Zientek, L. R., & Onwuegbuzie, A. J. (2012, April). *Differences of mentoring experiences across grade span among principals, mentors, and mentees*. Paper to be presented at the annual meeting of the American Educational Research Association, Vancouver.
16. Sharon, V., Jones, D., & Zientek, L. R. (2012, February). *Prospective teachers' ability to solve algebra equations*. Presentation at the annual meeting of the Research Council on Mathematics Learning, Charlotte, NC.
15. Zientek, L. R., Fong, C., Phelps, J., Griffin, M., Yetkiner, Z. E. (2011, November). *Research in developmental education classrooms*. Presentation at the annual meeting of the American Mathematical Association of Two-Year Colleges. Austin, TX.
14. Zientek, L. R., Fong, C. J., Yetkiner, Z. E., & Phelps, J. (2011, April). *The role of students' self-efficacy in developmental mathematics across ethnicity*. Paper presented at the annual meeting of The American Educational Research Association, New Orleans, LA.
13. Zientek, L. R., Matteson, S. M., Mittag, K. C., & Taylor, S. (2010, November). *Evaluating the impact of virtual manipulatives on teacher quality*. Paper presented at

- the annual meeting of the School Science and Mathematics Association. Fort Myers, Florida.
12. Mittag, K. C., & Zientek, L. R.. (2010, November). *Fun with probability simulations*. Presentation at the annual meeting of the School Science and Mathematics Association. Fort Myers, Florida.
  11. Taylor, S., Mittag, K. C., & Zientek, L. R. (2009, October). *Bar graphs and histograms: What's so hard to understand?* Presentation at the annual meeting of the School Science and Mathematics Association Conference, Reno NV.
  10. Mittag, K. C., Taylor, S., & Zientek, L. R. (2009, October). *The ferris wheel goes round and round*. Presentation at the annual meeting of the School Science and Mathematics Association Conference, Reno NV.
  9. Yetkiner, E., Capraro, R. M., Zientek, L. R., & Thompson, B. (2008, July). *The importance of effect sizes in mathematics education studies*. Paper presented at the annual meeting of the International Congress on Mathematics Education, Monterrey, Mexico.
  8. Zientek, L. R., Capraro, M. M., & Capraro, R. M. (2008, March). *Reporting practices in quantitative teacher education research: One look at the evidence cited in the AERA panel report*. In Suzanne Wilson (Chair), *Recommended Reporting Practices in Teacher Education*. Symposium presented at the annual meeting of the American Educational Research Association, New York.
  7. Zientek, L. R., Carter, T. A., Taylor, J. M., & Capraro, R. M. (2007, November). *Prospective teachers' attitudes and understandings of statistical concepts*. Paper presented at the annual meeting of the School Science and Mathematics Association, Indianapolis, IN.
  6. Allen, D., Zientek, L. R., Wilhite, P. A., Griffin, M., & White, G. (2006, November). *College algebra across Texas – Survey results*. Presentation at the annual meeting of the American Mathematical Association of Two-Year Colleges, Cincinnati, OH.
  5. Zientek, L. R., Capraro, R. M., & Capraro, M. M. (2006, April). How do new teachers differ on self-efficacy and level of preparedness by certification route? In L. R. Zientek (Chair), *Research Findings and Issues for Alternative Certification Routes and Influences of Recent Federal Legislation*. Symposium conducted at the annual meeting of the American Educational Research Association, San Francisco, CA.
  4. Kulm, G., Capraro, R. M., Capraro, M. M., Carter, T., Li, X., Sahin, A., Zientek, L., English, S., & Jones, C. (2005, April). *How do students in the middle grades represent data?* Paper presented at the annual meeting of the National Council of Teachers of Mathematics, Anaheim, CA.
  3. Carter, T. A., Zientek, L., R., & Capraro, R., M. (2005, January). *Teaching statistical concepts: Are future teachers prepared?* Paper presented at the annual meeting of the Association of Mathematics Teacher Educators, Dallas, TX.
  2. Carter, T. A., Zientek, L., R., & Capraro, R., M. (2005, February). *Preservice teachers' understanding of probability and statistics*. Paper presented at the annual meeting of the Research Council for Mathematics Learning, Little Rock, AR.

1. Zientek, L. R., Kadhi, T. G., & Capraro, R. M. (2003, February). *Community college's expanding role in teacher preparation*. Paper presented at the annual meeting of the Association of Mathematics Teacher Educators, Atlanta GA.

### **Presentations Chaired**

*Research Findings and Issues for Alternative Certification Routes and Influences of Recent Federal Legislation*. Organized symposium presented at the 2006 American Educational Research Association Annual Meeting.

Chair: Linda Reichwein Zientek

Discussant: Linda Darling-Hammond

- Teacher Licensure Tests and Student Achievement: Is Teacher Testing an Effective Policy? Dan Goldhaber
- How Do New Teachers Differ on Self-efficacy and Level of Preparedness by Certification Route? Linda Reichwein Zientek, Robert M. Capraro, Mary Margaret Capraro
- Effective Alternative Certification Programs and Teaching Quality: The Case of North Carolina. Barnett Berry, Dylan Johnson, Dana Montgomery
- Characteristics of Effective Alternative Certification Programs. Daniel C. Humphrey, Marjorie E. Wechsler, and Heather Hough, SRI
- The Current Debate about Teacher Certification Routes. Robert Floden

Treisman, P. U. (2007, February). *Fireside chat with Uri (Graduate session)*. Southwest Educational Research Association, San Antonio, TX.

Thompson, B., Daniel, L. G., Henson, R. K., & Onwuegbuzie, A. (2006, February). In L. R. Zientek (Chair), *How to publish: Advice from editors*. Session presented at the annual meeting of the Southwest Educational Research Association, Austin, TX.

### **Regional**

18. Ozel, S., Yetkiner Ozel, Z. E., & Zientek, L. R. (2012, February). *Van Hiele levels of geometric understanding in preservice teachers*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
17. Matteson, S. M., Zientek, L. R., Ozel, S., & Yetkiner Ozel, Z. E. (2012, February). *Next steps in improving professional development for mathematics teachers*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
16. Taylor, J. M., Zientek, L. R., & Matteson, S. M. (2012, February). *Improving achievement in trigonometry: The role of fractions operations*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
15. Nimon, K., Zientek, L. R., & Thompson, B. (2012, February). *Beta weights and structure coefficients: Why do they bounce?* Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

14. Zientek, L. R., Natesan, P., & Nimon, K. (2012, February). *Conducting and publishing research: An overview of the research process*. Workshop presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
13. Kraha, A., Turner, H., Nimon, K., Zientek, L. R., & Henson, R. (2011, February). *Evaluating predictor importance: Tools to support interpreting multiple regression*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
12. Zientek, L. R., & Thompson, B. (2009, February). *Heuristic examples show how correlation matrices can benefit research*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
11. Seeley, C., Wohlgelegen, J., & Zientek, L. R. (2008, February). *College-readiness standards and the development of a new fourth year of mathematics course*. Presentation at the annual meeting of the Texas Community College Teachers Organization, Dallas, TX.
10. Zientek, L. R., Capraro, M. M., Capraro, R. M., & Yetkiner, Z. E. (2008, February). *Reporting practices in teacher education: The importance of structure coefficients*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
9. Allen, D., Griffin, M., Wohlgelegen, J., & Zientek, L. R. (2007, July). *Moving from high school mathematics to college mathematics: What's going on?* Presentation at the Conference for the Advancement of Mathematics Teachers, San Antonio, TX.
8. Schneider, C., Capraro, R. M., & Zientek, L. R. (2007, July). *High school to higher ed: What do the mathematics data show?* Presentation at the American Mathematical Association of Two-Year Colleges Southwest Regional Conference, San Antonio, TX.
7. Zientek, L. R., & Thompson, B. (2007, February). *Variations in preparation needs by teaching level?* Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
6. Zientek, L. R. (2005, February). *Applying the bootstrap to the multivariate case: Bootstrap factor analysis*. One-hour training session presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
5. Zientek, L. R., Carter, T. A., Taylor, J. M., & Capraro, R. M. (2005, February). *Future teachers' understanding of statistical concepts*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
4. Zientek, L. R. (2005, February). *Investigating the relationship between variable correlations and coefficient alpha*. Paper presented at the annual meeting of the Southwest Educational Research Association, Dallas, TX.
3. Zientek, L. R. (2004, February). *Commonality analysis: Partitioning variance*. Paper presented at the annual meeting of the Southwest Educational Research Association, Dallas, TX.
2. Zientek, L. R. (2004, February). *Applying the bootstrap to the multivariate case:*

*Bootstrap factor analysis.* Paper presented at the annual meeting of the Southwest Educational Research Association, Dallas, TX.

1. Zientek, L. R. (1998, March). *Fundamental similarity of matrix symbols.* Paper presented at the annual meeting of the Texas Section of the Mathematical Association of American Meeting, Dallas, TX.

### State

6. Taylor, S., Mittag, K. C., & Zientek, L. R. (2011, February). *Using data for z-scores and confidence intervals.* Conference on the Teaching of Mathematics 6 – 12, SHSU, Huntsville, TX.
5. Zientek, L. R., Yetkiner, Z. E., & Griffin, M. (2009, October). *An investigation of factors that influence students' academic success in developmental mathematics courses.* Charles A. Dana Center Higher Education Conference, Austin, TX.
4. Zientek, L. R. (2008, October). *Preparing mathematics and science teachers: Implications for research and teacher training.* Charles A. Dana Center Higher Education Conference, Austin, TX.
3. Beauford, J., Vasquez-Mireles, S., Zientek, L. R., Westbrook, V., Wohlgehagen, J., & White, G. (2007, October). *P-16 vertical and horizontal alignment in mathematics and science: What does this mean for faculty?* Dana Center October Pre-service Conference, Austin TX.
2. Weilmuenster, J., Wohlgehagen, J., & Zientek, L. R. (2007, June). *P-16 connections: Creating a cohesive transition into higher education.* Administrator's Conference, San Antonio, TX.
1. Allen, D., Zientek, L. R., Wilhite, P. A., & Griffin, M. (2006, October). *College algebra as a transition course – What the colleges want to see?* Dana Center October Pre-service Conference, Austin TX.

### Local

3. Zientek, L. R., (2006, July). Invited presentation to speak to participants of the PLC-MAP Project at Texas A&M University. The presentation focused on investigations of differences between alternative and traditionally certified teachers with an emphasis on community college programs for mathematics and science teachers.
2. Zientek, L. R., Kadhi, T. G., & Capraro, R. M. (2004, February). *Alternative certification program analysis.* Paper presented at the annual meeting of the Educational Research Exchange, College Station, TX.
1. Zientek, L. R. (2003, February). *Community colleges and alternative certification.* Paper presented at the annual meeting of the Educational Research Exchange, College Station, TX. [**Winner, Gerald Kulm, Curtis D. Robert Endowed Professor of Mathematics Education Outstanding Paper Award**]

**INVITED WORKSHOPS/PRESENTATIONS**

4. Zientek, L. R. (January, 2012). *Research Findings in Developmental Education from Three Community Colleges*. Presented to mathematics faculty at Northeast Texas Community College.
3. Zientek, L. R. (March, 2011). *An overview of the research process*. Presented to a graduate class via Skype at Bogazici University
2. Thompson, B., Onwuegbuzie, A., & Zientek, L. R. (2010, October). *Data Collection, Analysis, and Dissemination*. Workshop presented for the Texas STEPs – Workshop II. Houston, TX.
1. Zientek, L. R., Crider, P., Wetzel, K., & Harris-Hardland, G. (2010, March). *Developmental Education Research and Initiatives*. Preconference workshop presented at the Annual Meeting of the Texas Mathematical Association of Two-Year Colleges, Houston, TX.

**REVIEWER (Served as a Reviewer for the Following):**

*Educational Research*  
*American Educational Research Journal: Teaching, Learning, and Human Development*  
*Southwest Educational Research Association (SERA) Annual Conference*  
*American Educational Research Association Annual Conference*. Division K-Teaching and Teacher Education, Sections 1 and 10.  
*Journal of Early Intervention*  
*School, Science, and Mathematics Journal*  
*Behavior Research Methods*  
*The Journal of Experimental Education*  
 2007 & 2008 Outstanding SERA Paper  
*Evaluation & the Health Professions*  
*Research in The Schools*  
*Mathematics Teacher*

**EDITORIAL BOARDS**

*Research in The Schools* (2010 - )

**GRANT PROPOSALS SUBMITTED**

Induction Programs and Principal Quality: How to Create the Best Support for Beginner 6-12 Grade Math/Science Teachers. A preliminary proposal was approved and an invitation was given to submit a full proposal for review, which was submitted November 2008. PI: Bruce Thompson; Co-PIs: Linda Zientek, Mary Margaret Capraro, and Robert M. Capraro (Not Funded).

Evaluating the Impact of Virtual Manipulatives on Teacher Quality and Student Learning (NSF). Submitted to National Science Foundation. PI: Linda Zientek (Not Funded, Approximately \$450,000)

2011 Co-investigator, \$1,100,232.00. Development and Dissemination of an Algebra Teacher Self-Efficacy Instrument, U.S. Department of Education, Institute of Education Sciences (Not Funded)

Technology Assisted Research Geared to Enhancing Teaching (TARGET) and Student Learning. Submitted to National Science Foundation. (Not Funded).

### **CONSULTING**

2012 – Consultant – Program Review Mathematics Department – Blinn College Brenham

2012 –Community College Liaison - Online Developmental Education Courses – SHSU Education Leadership Grant from Texas Higher Education Coordinating Board

2012 Statway Outcomes – Charles A. Dana Center – (January)

2010 – 2011 Co-evaluator for the UT-Arlington Mathematics Teacher Preparation Academy (James Epperson & Teresa Jorgeson)

2009 – 2011 Evaluator for a San Antonio Mathematics Collaborative Teacher Quality Grant (UTSA: Kathleen Mittag and Betty Travis)

### **CURRICULUM DEVELOPMENT**

Developed the mathematics modules for the Blinn Alternative Certification Program (TEACH) and co-taught the TEACH mathematics section.

### **TEACHING EXPERIENCE**

#### **Sam Houston State University**

**Assistant Professor Fall 2007 – Present**

MATH 1385 – Introduction to the Foundations of Mathematics II

MATH 3381– Introduction to the Foundations of Mathematics III

MATH 3386– Fundamentals of Probability and Statistics

MATH 5389 – Seminar in Probability and Statistics for Teachers

MATH 5360 – Overview of Research in Learning Algebra

#### **Graduate Students**

Laura Burris (MA – Served as director of major project)

Birgit Steinich (MA – Served as director of major project)

Stephanie Doyen (EdD – Committee Member – Graduated December 2011)

#### **Instructor Blinn College August 1997-2007**

August 1997 – 1999 Part-time/adjunct instructor

August 1999 – 2007 Full-time instructor

Math 0100 TASP Preparation

Math 0310 Algebra

Math 0312 Intermediate Algebra

Math 1314 College Algebra

Math 1316 Trigonometry

Math 1350/1351 Fundamentals of Math I & II

Math 1325 Analysis II – Calculus for the Managerial, Life, and Social Sciences

Mathematics Modules in the Blinn Alternative Certification Program (TEACH)

**Teaching Assistant** - Mathematics

Sam Houston State University,  
January 1996 – May 1997

Oct 1994 – May 1995 SHSU Graduate Student Research Assistant

**SERVICE****Leadership**

2012 – 2014	AMATYC Developmental Mathematics Committee - Chair
2012	2012 SERA Conference Immediate-Past President
2011 – Present	SERA Deputy Executive Director
2011	2011 SERA Conference President
2010 – 2013	School Science and Mathematics Association Publications Committee
2010 – Present	SERA – Proposal System: Bruce Thompson and I developed a new online proposal system. Once the system was set up, I was in charge of collecting the proposals and organizing the proposal file.
2010	2010 SERA Conference Program Chair and President-Elect
2010	AMATYC New Developmental Mathway – Invited and attended a meeting at the Carnegie Foundation, Palo Alto California and worked further on the development of the goals for the Mathway Project
2009 – 2010	Invited Member of the AMATYC Mathway Group (Invited)—This is a 15 member subgroup of the AMATYC New Developmental Life Project who were invited to participate in a project for investigating new pathways into developmental mathematics. Attended a workshop in Seattle that was sponsored by the Monterrey Institute of Technology and the Gates Foundation.
2009 – Present	AMATYC New Developmental Life Project (Partner-Invited)—Group is working on examining how better to improve developmental education.
2009	School Science and Mathematics Association – Finance Committee
2007 – 2008	TASM 4th Year of Mathematics Committee – Committee designed a 4th year of mathematics course. The committee was created under the direction of TASM and was chaired by Cathy Seeley.
2007 – 2008 April	SERA Newsletter Editor
2007 – 2008 April	Texas Higher Education Coordinating Board College Readiness Vertical Team Member
2007 May	Selected to be placed on the ballot for Southwest Regional Vice-President of AMATYC
2006-2011	Texas Partners in P-16 Mathematics (Chair) – Representatives from K-12, School Organizations, Colleges, and Universities meet to increase communication between all levels of educators.
2006	Reviewer for <i>AMATYC Beyond Crossroads Review of Quantitative Literacy Digital Resource</i>
2006–2008 Feb	TCCTA Legislative Committee (Member)
2005–2007	2007 American Mathematical Association of Two-Year Colleges

	(AMATYC) Southwest Regional Conference Committee Chair
2005–2007	TexMATYC Campus Representative
2005	AMATYC Delegate
2004-2006	President Texas Mathematical Association of Two-Year Colleges (TexMATYC).
2002-2004	Algebra Teachers Empowered for Achievement in Mathematics and Science (TEXTTEAM) Leader
2002-2004	Geometry TEXTTEAM Leader
2002-2004	Texas Community College Teacher's Association (TCCTA) Mathematics Section Secretary, Vice Chair, and Chair

**SHSU (Service)****Department**

Merit Committee (Member – Spring 2012)  
 Mathematics Honor Committee (Member – Spring 2012)  
 Search Committee Department of Mathematics and Statistics – Mathematics Education Position (Member – 2011)  
 Merit Committee (Member – Spring 2011)  
 MTH 386 Textbook Committee (Chair – 2011)  
 MTH 184/185 Textbook Committee (Member – 2011)  
 Developmental Mathematics Committee (Member 2010 – Present)  
 Developmental Mathematics Textbook Committee (Member - 2010)  
 Co-sponsored the Ruth Lane Mathematics Society (2009-2010)

**University**

Core Curriculum Assessment Committee (Member Nov. 2011 – Aug. 31, 2013)  
 Search Committee Department of Educational Leadership – Development Education Administration Program: Position II (Member – 2011)  
 Search Committee Department of Educational Leadership – Development Education Administration Program: Position I (Member – 2011)  
 Served on the SHSU P16 Committee

**Other**

Student Success Meeting– Charles A. Dana Center (January 2012)

**Blinn College**

Served on hiring committees, as an academic advisor, cosponsor of the Future Teachers Organization, Faculty Council Secretary, Vice-President, and President, Service Learning Teacher, Task Force Development committees, Partner Teaching Initiative, Team member on the Phi Theta Kappa Grant – Preparing Tomorrow's Science and Math Teachers: The Community College Response, Selection Committee for Alternative Certification Program, Teaching Excellence Award Committee Member, and Quality Enhancement Plan Committee. Also, maintained mathematics homepage, served on textbook committees and as a mentor teacher.

**Community**

2001- 2007 Organized the Blinn Mu Alpha Theta Induction Ceremony – Worked with area high school mathematics department chairs to recognize

outstanding juniors and seniors and Blinn students in mathematics. Approximately 250 students, parents and teachers attended each year.

### **Professional Organizations**

American Educational Research Association  
 National Council Teachers of Mathematics  
 Texas Community College Teachers Association Texas Mathematical Association of Two-Year Colleges  
 Association of Mathematics Teacher Educators  
 Association for Supervision and Curriculum Development

### **PROFESSIONAL DEVELOPMENT AND PREPARATION**

2008 National Science Foundation Day at the University of Texas at El Paso

2007 Hierarchical Linear Modeling, Texas A&M University. This was a 5-day workshop presented by Oiman Kwok.

2006 Mixed Methods Research Designs and Analysis. Southwest Educational Research Association, presented by Anthony Onwuegbuzie and John Slate

2005 Factor Analytic Designs in Educational Research. Southwest Educational Research Association, presented by Bruce Thompson.

2004 May Regent's Initiative Conference, Texas A&M University

2003- 2005 Information Technology and Science [ITS]  
 Texas A&M University, Directed by Janie Schielack

2002 Texas A&M Teaching Scholars Conference

2001, 2002, 2004 Charles A. Dana Center Pre-service Conference for Mathematics, Science, and Education

2006

2001, 2006 TCCTA Faculty Leaders Conference

2001 Summer Mathematics Educator Technology Short Course

2000 November Alternative Teacher Certification Program in Community Colleges

2000 Fall Putting Your Course Online, Virtual College of Texas

2000 Fall Video Conference Training

2000 August Texas Alliance Legislative Conference on Science, Technology and Mathematics Education

1998 Summer Short course for College Algebra & Trigonometry Instructors TI-83

1999 Spring Generalized Inverses

1999 Summer ICTCM Conference SHSU

### **ACCOMPLISHMENTS**

**2007 Teaching, Learning, and Culture Dissertation of the Year Award from Texas A&M**

*Community Colleges and Alternative Certification* Outstanding Paper in Mathematics Education, ERE, 2003

Named Outstanding Mathematics Senior 1995 (Sam Houston State University)

Named to Who's Who Among America's Teachers, Who's Who Among American Women, Who's Who Among American Education, & Who's Who in Science and Engineering