

Curriculum Vita

Angela M. Brown

Chair and Associate Professor of Mathematics
Department of Computer Science and Mathematics
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EDUCATION

Ph.D. (May 2012) in Mathematics at University of Texas at Arlington.
Areas of Study: Finite Geometries, Non-Associative Algebras
Dissertation title: “New Results in Finite Geometries Pertaining to Albert-like Semifields”
Dissertation Advisor: Dr. Minerva Cordero

M.S. (August 2006) in Mathematics at Sam Houston State University.
Thesis title: “A Partial Classification of Mathematically Celtic Knots”
Thesis Advisor: Dr. Jacqueline Jensen

B.S. (December 2003) in Mathematics, minor in Secondary Education and a Second Teaching Field in Physical Sciences at Sam Houston State University.
Passed Mathematics Certification Exam for Grades 6-12 in 2003, passed Pedagogy and Professional Responsibility Exam for Grades 8-12 in 2003.

A.S. (May 2000) in Mathematics/Physics/Pre-Engineering, Lee College, Baytown, TX.

PROFESSIONAL EXPERIENCE

Chair of Computer Science and Mathematics, Sul Ross State University, May 2015-Present.

Interim Chair of Biology, Geology, and Physical Sciences, Sul Ross State University, January 2020-Present.

Associate Professor of Mathematics, Sul Ross State University August 2018-Present.
Teach courses, course development, research.

Assistant Professor of Mathematics, Sul Ross State University August 2012-August 2018.
Teach courses, course development, research.

Courses Taught:
First Year Seminar
Intermediate Algebra

Contemporary Mathematics
College Algebra
Elementary Statistics
Plane Trigonometry
Foundations of Elementary Math I
Foundations of Elementary Math II
Business Calculus
Calculus I
Calculus II
Calculus III
Linear Algebra
Geometry
History of Mathematics
Foundations of Higher Mathematics
Number Theory
Analysis I
Complex Variables I
Modern Algebra
Department Seminar
Senior Project
Individual Studies: Internship
Individual Studies: McNair Research
Individual Studies: Modern Algebra I
Individual Studies: Topics in Geometry
Individual Studies: Real Analysis
Graduate Individual Studies: Real Analysis
Graduate Math History
Graduate Number Theory
Graduate Geometry for Educators

Adjunct Professor, University of Texas at Arlington, June 2012-July 2012. Responsibilities include: Instructor of Record for MATH 5341: Concepts and Techniques in Geometry. This is a course for those on the Master of Arts in Mathematics track.

Graduate Teaching Assistant, Department of Mathematics, University of Texas at Arlington, Arlington, TX, August 2006-May 2012. Responsibilities include: instructor of record for freshman level courses, overseeing computer lab, grading.

NSF GK-12 MAVS Grant Fellow July 2009-May 2011

- Year one: assisting in a junior high school classroom 10 hours a week, designing and presenting six lessons per year on my research to these students.
- Year two: assisting in a high school geometry/algebra classroom 10 hours a week, designing and presenting six lessons on my research.

Courses Taught:
College Algebra

Trigonometry
Calculus I

Graduate Teaching Assistant, Department of Mathematics, Sam Houston State University, Huntsville, TX, January 2004-August 2006. Responsibilities include: instructor of record for developmental and freshman level courses, running recitation sessions for developmental mathematics, tutoring, and grading for professors.

Student Teacher, Humble Independent School District, Humble, TX, August 2003-December 2003. Responsibilities included: assisting and teaching eighth grade algebra and pre-algebra courses, assisting and teaching integrated physics and chemistry to on-level and below-level students.

Astronomy Lab Assistant, Sam Houston State University, Huntsville, TX, August 2002-May 2003. Responsibilities included: running the laboratory course for freshman level astronomy including setting up labs, teaching the course, and writing quizzes and tests for the course.

Mathematics Teaching Assistant, Kingwood Christian Academy, Kingwood, TX, September 2000-May 2001. Responsibilities included: assisting with pre-algebra and algebra classes and substitute teaching 6-8 grade courses.

Chemistry Lab Assistant, Lee College, Baytown, TX, August 1999-December 2000. Responsibilities included: assisting with chemistry labs including setting up laboratory equipment, mixing chemicals for experiments, assisting students in lab, tutoring, and laboratory clean up.

PUBLISHED WORKS

Faghihi, U., Brautigam, A., Jorgenson, K., Martin, D., Brown, A.M., Measures, E., Maldonado-Bouchard, S., “How Gamification Applies for Educational Purpose Specially with College Algebra.” *Procedia Computer Science*, vol. 41, 2014, pp. 182-187., doi:10.1016/j.procs.2014.11.102.

WORKS IN PROGRESS

With Dr. Theresa Jorgensen entitled “Intertwining Algebra and Geometry”

With Dr. Jacqueline Jensen over “Which Mathematical Knots are Celtic Knots”.

UNDERGRADUATE RESEARCH

McNair Mentor for Valerie Baca Summer 2020-Present.

Advised Anh Truong for her Senior Project “Secret of the Pool Geometry” for the Sul Ross State University Mathematics Department Fall 2019.

Advised Adrian Maldonado for his Senior Project “Knot Theory and Its Applications in Chemistry” for the Sul Ross State University Mathematics Department Fall 2018.

Advised Dominic Carrillo for his Senior Project “Shooting for the Stars: A Glimpse into the History of Rocketry” for the Sul Ross State University Mathematics Department Fall 2018.

Advised Dominic Carrillo for his Presentation “Shooting for the Stars: A Glimpse into the History of Rocketry” at the Texas Undergraduate Mathematics Conference November 2-3, 2018.

Advised Dominic Carrillo for his Presentation “Creation of the Perfect Hockey Bracket” at TUMC 2015.

Mentor for McNair Scholars Program for Dominic Carrillo 2015-2016.

Advised Dominic Carrillo for his Presentation “Creation of the Perfect Hockey Bracket” at TUMC 2015.

Advised Dominic Carrillo for his Presentation “Creation of the Perfect Hockey Bracket” at Texas Academy of Science in Belton, TX, 2017.

- Awarded Best Speaker Award for Mathematics.

Advisor for Jonathan Wood Department Seminar.

Advised Jonathan Wood on his presentation “Pool Table Geometry” for the Texas Section Meeting of the MAA in San Antonio, Spring 2015.

Advised Marcos Rodriguez on his presentation “The Mathematics of the Rubik’s Cube” for the Texas Section Meeting of the MAA in San Antonio, Spring 2015.

Advised Angel Rodriguez on his presentation “Spy 101” for the Texas Section Meeting of the MAA in Laredo, Spring 2014.

Advised Geoffrey Schuette on his presentation “A Brief Look At the History of Galois and Galois Groups for the Texas Section of the MAA in Lubbock, Spring 2013.

RESEARCH AND PROFESSIONAL PRESENTATIONS

Brown, A.M., The Mathematics of Celtic Knots, Texas Academy of Science Meeting, February 28-29, 2020, Nacogdoches, TX.

Brown, A.M., Putting the Art into a Liberal Arts Math Course, MathFest, August 3-6, 2016, Columbus, Ohio.

Brown, A.M., Results in Finite Geometry Pertaining to Albert-Like Semifields, Texas Academy of Science, March 8 , 2014, Galveston, TX.

Brown, A.M., Some New Results in Finite Geometries, Joint Mathematics Meeting, January 6, 2012, Boston, MA.

Brown, A.M., Helixon, K., Bringing Finite Geometries to a Double Block Algebra/Geometry Class, Conference for the Advancement of Mathematics Teaching (CAMT), July 19, 2011, Grapevine, TX.

Brown, A.M., Automorphisms on Albert-Like Semifield Planes, Texas Section Meeting of the Mathematical Association of America, April 15, 2011, Tyler, TX.

Brown, A.M., Cordero, M., Epperson, J., Helixon, K., Jorgensen, T., Randell, K., Veerapen, P., Facilitating the Integration of Research Level Mathematics into the Classroom , Graduate STEM Fellows in K-12 Education Annual Conference, March 12, 2011, Washington, D.C.

Brown, A.M., Some New Results in Finite Geometries and How to Connect Them to K-12 Mathematics, Graduate STEM Fellows in K-12 Education Annual Conference, March 11, 2011, Washington, D.C. (NSF Poster Presentation)

Brown, A.M., New Results in Finite Geometries and How to Connect Them to K-12 Mathematics, Southwest Local Algebra Meeting, March 5, 2011, Las Cruces, NM. (Poster Presentation)

Brown, A.M., Automorphisms on Albert-like Semifield Planes, Joint Mathematics Meeting, January 7, 2011, New Orleans, LA.

Brown, A.M., Randell, K., Creating Art In The Junior High Math Classroom Using Finite Number Systems, Conference for the Advancement of Mathematics Teaching, July 15, 2010, San Antonio, TX.

Brown, A.M. A Further Generalization of Albert's Generalized Twisted Fields. Texas Section Meeting of the Mathematical Association of America, April 9, 2010, Denton, TX.

Brown, A.M. MAVS GK-12 Project: Finite Geometries. Joint Mathematics Meeting, San Francisco, CA January 2010. (Poster Presentation)

Brown, A.M. Introducing Finite Geometries and Semifields to 7th Grade Students. Southwest Regional National Science Foundation (NSF) GK-12 Conference, November 14, 2009, Fort Worth, TX.

Brown, A.M. An Introduction to Finite Geometries and Semifields. Texas Undergraduate Mathematics Conference, November 8, 2009, Huntsville, TX.

Brown, A.M. A Short Introduction to Knot Theory and How it Applies to Celtic Knots. Texas Undergraduate Mathematics Conference, Huntsville, TX, October 21, 2006.

Brown, A.M. and J.A. Jensen. A Partial Classification of Mathematically Celtic Knots. Math Fest 2006, Knoxville, TN August, 2006. (Poster Presentation)

Brown, A.M. and J.A. Jensen. A Partial Classification of Mathematically Celtic Knots. Meeting of the Texas Section of the MAA, Wichita Falls, TX, April, 2006.

Brown, A.M. and J.A. Jensen. Which Mathematical Knots are Celtic? Math Fest 2005, Albu-

querque, NM, August, 2005.

Brown, A.M. and J.A. Jensen. What Determines a Celtic Knot? Meeting of the Texas Section of the MAA, Arlington, TX, April, 2005.

Brown, A.M. and J.A. Jensen. Can Celtic Knots Be Classified? Joint Mathematics Meetings, Atlanta, GA, January, 2005.

Brown, A.M. and J.A. Jensen. Knot Your Usual Talk About Celtic Art. MathFest 2004, Providence, RI, August, 2004.

Brown, A.M. and J.A. Jensen. Knot Theory: An Overview. Meeting of the Texas Section of the MAA, Corpus Christi, TX, April, 2004.

Brown, A.M. and J.A. Jensen. An Overview of Molecular and Crystallographic Symmetries. MathFest 2003, Boulder, CO, August, 2003.

Brown, A.M. and J.A. Jensen. Symmetry Groups of Molecular Structures. Meeting of the Texas Section of the MAA, Huntsville TX, April, 2003.

CONSULTING AND OTHER INVITED PROFESSIONAL PRESENTATIONS

Arts & Sciences Spring Lecturer, "On the Knotted Path: The Intertwining of Art and Mathematics" Sul Ross State University, April 12, 2019.

Invited Panelist, "What I Wish I Knew Before Graduate School" Gulf State Math Alliance Conference, Arlington, TX, February 16, 2019.

Panel for "What is Graduate School Like" GAANN Day, University of Texas at Arlington, April 2018

Presentation "Internships in Mathematics" at the 3rd Annual Faculty Research Forum, October 10, 2017.

Presented to teachers over algebraic reasoning for the Region 18 Education Service Center entitled "There's Algebra Before Algebra I?" on November 20, 2014.

Ran Origami Session at the Texas Undergraduate Mathematics Conference October 18, 2014.

Invited Panelist, "What is Life in Graduate School Really like?" Texas Undergraduate Mathematics Conference, Tyler, TX, October 22, 2011.

Brown, A.M., Some New Results in Finite Geometries, Annual Celebration of Excellence by Students, March 24, 2011, Arlington, TX.

This was an accepted talk for the general sessions of the ACES conference.

Brown, A.M., Some New Results in Finite Geometries, Annual Celebration of Excellence by Students, NSF GK-12 Special Session, March 23, 2011, Arlington, TX.

TexPREP Summer Program-PREFRESHMAN ENGINEERING PROGRAM July 26, 2010.

Gave an hour long presentation talking about grad school and the research I do. I also did an activity with them over modular arithmetic.

Brown. A.M. A Further Generalization of Albert's Twisted Fields. GAANN Day University of Texas at Arlington, March 26, 2010, Arlington, TX.

Invited Panelist, "What is Life in Graduate School REALLY like?" Texas Undergraduate Mathematics Conference, Huntsville, TX, September 27, 2008.

Brown, A.M. Classifying Mathematically Celtic Knots. Presentation for the Geometry and Geometric Analysis Colloquium, Texas Christian University, February 22, 2007 (Invited Speaker).

Brown, A.M. An Introduction to Knot Theory and How it Applies to Celtic Knots. Presentation for the MAA Student Chapter, University of Texas at Arlington, September 21, 2006.

DEPARTMENT SEMINARS

"Finite Projective Planes and Their Coordinates" October 18, 2019.

"A Brief Look Into the History of Non-Euclidean Geometry" March 8, 2019.

"The Prime Number Theorem" October 19, 2018.

"The Fantastic Constant Pi" March 9, 2018.

"Interpretations of Kirkman's School Girl Problem" November 3, 2017.

"What do You Mean by a Mean?" February 24, 2017.

"When Art Influenced Mathematics: Placing Projective Geometry into Perspective." October 21, 2016.

"It's a Woman's World: An Exploration of Women's Role in Mathematics Throughout the Ages." April 15, 2016.

"Tricks of the Trade: Using Number Sense in Your Everyday Life", October 23, 2015.

"An Introduction to Graph Theory" February 27, 2015.

"Number Mysticism: A Brief History of Man's Attempt to Give Numbers Meaning" October 31, 2014.

"Symmetry Groups of Molecular and Crystallographic Structures", February 28, 2014.

“The Knotty Adventure and the Quest to Find Joe-Bob” September 27, 2013.

“Tricoloring Modular Origami Dodecahedron” February 1, 2013.

“An Introduction to Finite Geometries and their Underlying Algebraic Coordinate Systems”, October 5, 2012.

ARTISTIC SUBMISSIONS

“Celtic Link Patterns” for Display at the Texas Section Meeting of the MAA, Tarleton State University, Stephenville, TX March 28-30, 2019.

“Modular Art I” for Display at the Texas Undergraduate Mathematics Conference, SFASU, Nacogdoches, TX November 2-3, 2018.

CONFERENCE PARTICIPATION

Texas Academy of Science Meeting, Stephen F. Austin State University, Nacogdoches, TX, February 28-29, 2020. Presented, Judged Oral Presentations

Texas Women in Mathematics Symposium, College Station, TX, February 1-2, 2020

Texas Undergraduate Mathematics Conference, Tyler, TX, October 25-26, 2019. Attended Texas NExT Activities in concurrence with this conference

MathFest, Cincinnati, OH, July 31-August 3, 2019.

WTAMP Leadership Convening, Midland, TX, May 20-21, 2019.

Association for Women in Mathematics Research Symposium, Rice University, Houston, TX, April 6-7, 2019.

Texas Section Meeting of the MAA, Tarleton State University, Stephenville, TX March 28-30, 2019.

Attended Texas NExT Activities in concurrence with this conference

Texas Academy of Science Meeting, Howard Payne University, Brownwood, TX, March 1-2, 2019. Judged Oral Presentations

Gulf States Math Alliance Conference, University of Texas at Arlington, Arlington, TX, Feb. 15-17, 2019.

Texas Women in Mathematics Symposium, Houston, TX, November 17-18, 2018

Texas Undergraduate Mathematics Conference, Nacogdoches, TX, November 2-3, 2018. Attended Texas NExT Activities in concurrence with this conference

MathFest, Denver, CO, August 2-4, 2018

Texas Section Meeting of the Mathematical Association of America, Dallas, TX, April 5-April 7, 2018. Attended Texas NExT Activities in concurrence with this conference

Texas Academy of Science Meeting, Midland, TX, March 2-4, 2018.

Texas Women in Mathematics Symposium, Huntsville, TX, December 2, 2017. Moderated Sessions

Texas Undergraduate Mathematics Conference, San Antonio, TX, October 20-21, 2017. Attended Texas NExT Activities in concurrence with this conference

Attended the West Texas Regional Workshop Given by the Dana Center on House Bill 2223, October 4-5, 2017.

Viewed Webinars on the Implementation of House Bill 2223 Given by the Dana Center, September 8 and 15, 2017.

MathFest, Chicago, IL, July 26-29, 2017.

Texas Section Meeting of the Mathematical Association of America in Commerce, TX, March 30-April 1, 2017.

Attended Texas NExT Activities in concurrence with this conference.

Attended Short Course “IBL Workshop” before official conference start.

Attended Texas Academy of Science Meeting in Belton, TX, March 3-5, 2017.

Attended AAC&U Conference: Transforming Undergraduate STEM Education, Boston, MA, November 3-5, 2016.

Texas Undergraduate Mathematics Conference, Beaumont, TX. Attended Texas NExT Activities in concurrence with this conference, October 7-8, 2016.

MathFest, Columbus Ohio. Attended Minicourse on “Visualizing Projective Geometry Through Photographs and Perspective Drawings” in concurrence with the conference, August 3-7, 2016.

Texas Section Meeting of the Mathematical Association of America, Nacogdoches, TX .

Attended Texas NExT Activities in concurrence with this conference.

Attended Short Course “Sage and SageMathCloud Workshop” before official conference start, March 31-April 2, 2016.

Texas Academy of Science Meeting in Junction, TX, March 4-6, 2016.

West Texas STEM Conference, Midland, TX, November 7, 2015.

Texas Undergraduate Mathematics Conference, Tyler, TX.

Attended Texas NExT Activities in concurrence with this conference, October 9-10, 2015

MathFest, Washington, D.C., August 5-8, 2015.

Texas Section Meeting of the Mathematical Association of America, San Antonio, TX .
Attended Texas NExT Activities in concurrence with this conference, April 9-11, 2015

Texas Academy of Science Meeting in San Antonio, TX, March 6-8, 2015.

Joint Mathematics Meeting in San Antonio, TX, January 10-13, 2015 .

Texas Undergraduate Mathematics Conference, Nacogdoches, Texas, October 17-18, 2014.

MathFest, Portland, OR, August 6-9, 2014.

Texas Section Meeting of the Mathematical Association of America, April 3-5, 2014, Laredo, TX.
Attended Texas NExT Activities at in concurrence with this conference, April 3-5, 2014.

Texas Academy of Science Meeting in Galveston, TX, March 7-8, 2014

Texas Undergraduate Mathematics Conference October 25 and 26, 2013 in San Antonio.

West Texas Regional STEM Conference September 19-21, 2013 in Odessa.

Math Fest in Hartford, CT, August 1-4, 2013.

Texas Section Meeting of the MAA April 11-13, 2013 in Lubbock.

Texas Undergraduate Mathematics Conference October 26 and 27, 2012.

MathFest, August 2012, Madison, WI.

Texas Section Meeting of the Mathematical Association of America, April 2012, El Centro College, Dallas, TX.

Joint Mathematics Meeting of the AMS/MAA, January 2012, Boston, MA.

Seventh Annual Texas Undergraduate Mathematics Conference, October 2011, University of Texas at Tyler, Tyler, TX.

MathFest, August 2011, Louisville, KY.

Conference for the Advancement of Mathematics Teaching, July 2011, Grapevine, TX.

Annual Celebration of Excellence by Students, March 2011, University of Texas at Arlington, Arlington, TX.

Graduate Stem Fellows in K-12 Education Annual Conference, March 2011, Washington, D.C.

Southwest Local Algebra Meeting, March 2011, Las Cruces, NM.

Joint Mathematics Meeting of the AMS/MAA, January 2011, New Orleans, LA.

Texas Section Meeting of the Mathematical Association of America, April 2011, University of Texas at Tyler, Tyler, TX.

Sixth Annual Texas Undergraduate Mathematics Conference, October 2010, University of Texas at Tyler, Tyler, TX.

MathFest, August 2010, Pittsburgh, PA.

Conference for the Advancement of Mathematics Teaching, July 2010, San Antonio, TX.

Texas Section Meeting of the Mathematical Association of America, April 2010, Abilene Christian University, Abilene, TX.

Joint Mathematics Meeting of the AMS/MAA, January 2010, San Francisco, CA.

Fifth Annual Texas Undergraduate Mathematics Conference, November 2009, Sam Houston State University, Huntsville, TX.

Section Meeting of the American Mathematical Society, October 2009, Baylor University, Waco, TX.

MathFest, August 2009, Portland, OR.

Texas Section Meeting of the Mathematical Association of America, April 2009, University of North Texas, Denton, TX.

An International Conference on Finite Geometry to Honor the Career of Norman L. Johnson on the Occasion of his 70th Birthday, March 2009, University of Texas-San Antonio, San Antonio, TX.

Fourth Annual Texas Undergraduate Mathematics Conference, September 2008, Sam Houston State University, Huntsville, TX.

Texas Section Meeting of the Mathematical Association of America, April 2008, Tarleton State University, Stephenville, TX.

Third Annual Texas Undergraduate Mathematics Conference, November 2007, Sam Houston State University, Huntsville, TX.

Texas Geometry and Topology Conference, October 2007, Texas A&M University, College Station, TX.

MathFest, August 2007, San Jose, CA.

Texas Section Meeting of the Mathematical Association of America, April 2007, University of Texas-Pan American, Edinburg, TX.

Texas Geometry and Topology Conference, March 2007, Texas Christian University, Fort Worth, TX.

Joint Mathematics Meeting of the AMS/MAA, January 2007, New Orleans, LA.

Second Annual Texas Undergraduate Mathematics Conference, October 2006, Sam Houston State University, Huntsville, TX.

MathFest, August 2006, Knoxville, TN.

Texas Section Meeting of the Mathematical Association of America, April 2006, Midwestern State University, Wichita Falls, TX.

Joint Mathematics Meeting of the AMS/MAA, January 2006, San Antonio, TX.

First Annual Texas Undergraduate Mathematics Conference, October 2005, Sam Houston State University, Huntsville, TX.

MathFest, August 2005, Albuquerque, NM.

Texas Section Meeting of the Mathematical Association of America, April 2005, University of Texas at Arlington, Arlington, TX.

Joint Mathematics Meeting of the AMS/MAA, January 2005, Atlanta, GA.

Texas Geometry and Topology Conference, October 2004, Texas A&M University, College Station, TX.

MathFest, August 2004, Providence, RI.

Texas Section Meeting of the Mathematical Association of America, April 2004, Texas A&M-Corpus Christi, Corpus Christi, TX.

MathFest, August 2003, Boulder, CO.

Texas Section Meeting of the Mathematical Association of America, April 2003, Sam Houston State University, Huntsville, TX.

ACADEMIC AWARDS

Outstanding Mentoring Award from the University of Texas at Arlington, 2018.

Ron Barnes Distinguished Service to Students Award, Texas Section of the Mathematical Association of America, March 31, 2017.

Texas NExT Fellow 2012-2014.

Graduate Teaching Award, University of Texas at Arlington, 2012.

NSF GK-12 Fellow, University of Texas at Arlington, 2009-2011.

GAANN Fellow, University of Texas at Arlington, 2008-2009.

Special Graduate Scholarship, Sam Houston State University, 2005-2006.

Alumni Association Scholarship, Sam Houston State University, Spring 2004.

Brewton Scholarship, Sam Houston State University, Fall 2003.

Pi Mu Epsilon, Sam Houston State University, Inducted 2003.

Top Speaker in Session for “Symmetry Groups of Molecular Structures” Meeting of the Texas Section of the MAA, Huntsville TX, April 2004.

Golden Key Honor Society, Sam Houston State University, Inducted 2002.

Phi Theta Kappa, Lee College, Baytown, TX, Inducted 1998.

Mr. and Mrs. W.C. Britton Scholarship, Lee College, Baytown, TX 1999-2000.

Full Tuition Scholarship for Top Student of Hargrave High School Attending Lee College, 1998-1999.

UNIVERSITY SERVICE

Mathematics Department Advisor

Assist with Computer Science Advising

Math Club Advisor, 2012-present

Ran TeX_S Mathematics Review for Education Department March 24, 2017.

Worked with the CSI grant 2013-2017.

Committee Member for Kassandra Hernandez (Biology Graduate Student) 2016-Present

Committee Member for Alexandria Hassenflu (Biology Graduate Student) 2016-2019

Assisted Dr. Ritzi's McNair student, A.J. Maldonado, with statistics for his project 2015.

Assisted Dr. Ritzi's McNair student, Kassandra Hernandez, with statistics for her project, 2014.

Assisted Jean Qvarnstrom with Statistics for an Education Study, 2015.

Internship Advisor for Ernesto Rivera, Fall 2017.

Internship Advisor for A.J. Maldonado, Fall 2016.

Academic Integrity Assessment Committee Fall 2019-Present

Disciplinary Affairs Committee Fall 2019-Present

Hiring Committee Member for the Computer Science Position, 2019-2020.

Arts and Sciences Chair's Council 2015-Present

Committee on Core Curriculum Fall 2013-Present.

Orientation Committee Fall 2016-Fall 2019.

Student Service Fees Advisory Committee Fall 2016-Present.

Teaching Council 2013-2016.

Teacher Education Council Fall 2015-Present.

Special Committee for The Title V Lobo Road to Success Grant 2015-2017.

Committee Chair for Selection of Departmental Scholarships 2015-Present.

Instructional Technology Committee 2013-2015.

Special Convocation Committee 2014-2015.

Hiring Committee Member for the Mathematics Lecturer Position, 2014-2015.

Committee Chair for Mathematics Hiring Committee, 2014.

McNair-Tafoya Committee to choose papers to be presented for 2018, 2014, 2013.

Textbook Selection Committee Chair for selecting the new University Algebra and Statistics Books Spring 2013.

In Charge of Campus Problem Solving Competition 2013-Present

Assisted With SOAR Days 2015-Present

Assisted With Lobo Days

- Ran Bean Bag Toss With BGPS at the Sully Olympics 2016, 2015, 2014
- Coordinated the Class Photo, 2014
- Participated in Flash Mob and Helped at Football Game, 2014

Took one student to the Texas Academy of Science Meeting in Nacogdoches, TX, Spring 2020.

Took one student to the Texas Undergraduate Mathematics Conference in Tyler, TX, Fall 2019.

Took one student to the Texas Academy of Science Meeting in Brownwood, TX, Spring 2019.

Took three students to the Texas Undergraduate Mathematics Conference in Nacogdoches, TX, Fall 2018.

Advised Dominic Carrillo on his presentation entitled “Shooting for the Stars: A Glimpse into the History of Rocketry”

Took one student to the Texas Academy of Science Meeting in Midland, TX, Spring 2018.

Took one student to the Texas Section Meeting of the MAA in Dallas, TX, Spring 2018.

Team Participated in Calculus Bowl

Took two student to the Texas Undergraduate Mathematics Conference in San Antonio along with Dr. Jorgenson Fall 2017.

Took one student to the Texas Academy of Science Meeting in Belton, TX Spring 2017

Advised Dominic Carrillo on his presentation

Dominic Carrillo won the Mathematics Prize for top student presentation

Took three students to the Texas Section Meeting of the MAA in Commerce Spring 2017

Team Participated in Calculus Bowl

Took four students to the Texas Undergraduate Mathematics Conference in Beaumont Fall 2016.

Took three students to the Texas Section Meeting of the MAA in Nacogdoches, Spring 2016.

Team Participated in Calculus Bowl

Took two students to the Texas Undergraduate Mathematics Conference in Tyler Fall 2015.

Advised Dominic Carrillo for his Presentation at TUMC

Took six students to the Texas Section Meeting of the MAA in San Antonio Spring 2015.

Advised Jonathan Wood on his presentation “Pool Table Geometry” for the Texas Section Meeting of the MAA in San Antonio.

Advised Marcos Rodriguez on his presentation “The Mathematics of the Rubik’s Cube” for the Texas Section Meeting of the MAA in San Antonio.

Took six students to the Texas Undergraduate Mathematics Conference in Tyler Fall 2014.

Took three students to the Texas Section Meeting of the MAA in Laredo Spring 2014.

Advised Angel Rodriguez on his presentation “Spy 101” for the Texas Section Meeting of the MAA in Laredo.

Took five students to the Texas Undergraduate Mathematics Conference in Nacogdoches, Fall 2013.

Took students Texas Section of the MAA Meeting, Lubbock, TX, Spring 2013.

Took students to the Texas Undergraduate Mathematics Meeting, Nacogdoches, TX, Fall 2012.

Judged the Residence Hall Halloween Costume Contest, Fall 2013.

Judged Door Decorating Contest for Residential Living Fall 2014.

Went on Recruiting Trips to Midland College

Assisted with Sully Showcase for our Department Fall 2012-Present

Helped with New Student Move-in Fall 2013

Presented on Jobs in Mathematics for Gear Up on November 17, 2012.

NON-UNIVERSITY SERVICE

Judge for Student Presentations for the Texas Section Meeting of the Mathematical Association of America, March 2017, Commerce, TX.

Judge for the Moody Mega Mathematics Challenge 2015, 2016, 2017.

Judges Presentations and Posters for Texas Academy of Science 2015, 2016, 2017, 2018, 2019,2020

Judge Mathematics, Physics, and Pre-Engineering Posters at the West Texas STEM Conference, November 7, 2015, Midland, TX.

Youth Basketball Head Coach 2020.

Tball Head Softball Coach for BBASA Regular Season 2018, 2019, 2020 (Season Cancelled).

8U Head Softball Coach for BBASA Regular Season 2017.

8U Assistant Softball Coach for BBASA Regular Season 2016, and All Stars 2016.

Tball Assistant Coach BBASA 2015.

Relay for Life Participant 2013, 2014, 2015, and 2016.

Assisted with UIL competitions in Number Sense, Calculator and Computers 2012 and 2013.

Workshop Leader for the First Annual Sonia Kovalevsky Day at the University of Texas at Arlington. Ran a Workshop on the Four Color Theorem at this conference for 6-8 grade girls.

Co-Leader Sam Houston High School Math Club, 2010-2011. We plan the activities every two weeks and present the material to the students.

Riverside Mathematics Day, 2009, Helped lead a mathematics activity for groups of middle school students.

University of Texas at Arlington Calculus Bowl, 2007,2009-2012. Competition for area high school students, assisted with set up and running the scoreboard and took photographs.

PROFESSIONAL ASSOCIATIONS

Association for Women in Mathematics

Mathematical Association of America

Gulf States Math Alliance

Texas Section of the Mathematical Association of America

- Section Photographer
- Nominating Committee 2015-2016
- Student Activities Director 2018-Present
- TAS Liaison

Texas Academy of Science

- Mathematics Section Chair 2015-2017
- Mathematics Section Vice Chair 2014-2015