

RYANN N. SHELTON

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Academic Degrees

- Ph.D. Baylor University, Curriculum and Teaching, Cognate in Mathematics Education, May 2020.
Dissertation: *An Examination of Designing and Planning for the Teaching of Secondary Mathematics Methods Courses through the Lens of Mathematics Teaching Practices: A Multiple Case Study*, Defended December 2019.
- M.Ed. Texas A&M University, Curriculum and Instruction, May 2013.
- B.A. Texas A&M University, Mathematics, December 2008.

Teaching Certifications

- 2017 Mathematics Grades 4–8, Texas Standard Teaching Certificate.
2008 Mathematics Grades 8–12, Texas Standard Teaching Certificate.

Professional Experience

- 2019–Current Lecturer, Baylor University, Department of Curriculum and Instruction.
- 2016–2019 Teacher of Record, Baylor University, Department of Curriculum and Instruction.
Graduate Assistant, Baylor University, Department of Curriculum and Instruction.
Graduate Assistant, Baylor University, Online Teaching and Learning Services.
- 2014–2016 Mathematics Instructional Specialist, Waco High School in Waco, Texas.
- 2013–2014 Mathematics Teacher, James E. Taylor High School in Katy, Texas.
- 2009–2013 Mathematics Teacher, Colleyville Heritage High School in Colleyville, Texas.

Current Leadership in Professional Organizations

- 2021–2024 Secretary, Association of Mathematics Teacher Educators in Texas.
- 2021–2023 Vice President for College/University, Central Texas Council of Teachers of Mathematics.
- 2021–2023 Annual Conference Special Events Committee Member, Association of Teacher Educators.
- 2020–2023 Conferences Committee Member, School Science and Mathematics Association.

Program Development

- 2017–2018 Co-Developer, Designing for Online Teaching Success (DOTS), Baylor University.
Doctoral student program focused on designing and teaching online courses.
- 2016–2017 Program Coordinator, Math for Early Learners Academy (MELA), Baylor University.
Summer program offered in partnership with Waco ISD and Mayborn Museum.
- 2009–2013 Co-Founder, Panther Enrichment Program (PEP), Colleyville Heritage High School.
Science and mathematics summer program for incoming freshmen.

Scholarship

Publications, Peer-Reviewed (underlined denotes graduate student)

- Shelton, R. N.**, Donham, M., Kerschen, K., & Wilkerson, T. L. (Under Review). Preservice teacher identification of critical issues in mathematics education using vignettes.
- Wilkerson, T. L., & **Shelton, R. N.** (Under Review). Examining teachers' beliefs about their mathematics teaching practices in grades 5 through 12 using q-sort analysis.
- Shelton, R. N.**, Rogers, R. M., & Wilkerson, T. L. (Under Review). Preservice teachers' perceptions of a practice-focused lesson study.
- McCall, M., **Shelton, R. N.**, Crowley, B., & Ritter, K. (Under Review). Doctoral student perceptions of a project-based learning approach in an instructional design course.
- Kaul, C., Wershe, N. R., Smith, J., Davis, B., Howell, L., Sanguras, L. Y., Papadakis, L. C., & **Shelton, R. N.** (Under Review). Exploring doctoral writing self-efficacy and apprehension in the dissertation process: A convergent mixed methods study.
- Smith, J., **Shelton, R. N.**, Scholten, N., & McCall, M. (In Press). Secondary preservice teachers' critical reflecting practices: Examining perceptions of confidence using a two-part reflection. *School-University Partnerships*.
- Gonzalez, J., Ritter, K., & **Shelton, R. N.** (2022). Considerations for challenges with STEM standards alignment in the middle grades. *School Science and Mathematics*, 122(7), 381–385. doi:10.1111/ssm.12550
- Shelton, R. N.**, Rogers, R. M., Painter, L., & Wilkerson, T. L. (2022). Mentor teacher, university faculty, and preservice teachers: Partners in lesson study. *Journal of Mathematics Teacher Education in Texas*, 12(2), 4–6.
- Cooper, S., **Shelton, R. N.**, Padgett, N., Crowley, B., Kerschen, K., & Donham, M. P. (2022). The impact of a summer intervention focused on foundational concepts of early number sense for early learners. *Investigations in Mathematics Learning*, 14(3), 199–214. doi:10.1080/19477503.2022.2073120
- Shelton, R. N.**, Kerschen, K., & Wilkerson, T. L. (2021). The examination of a vignette activity sequence in a secondary mathematics methods course. *School Science and Mathematics*, 121(1), 2–12. doi:10.1111/ssm.12445
- Shelton, R. N.**, Kerschen, K., & Wilkerson, T. L. (2020). Investigating teachers' understanding of mathematical practices and mathematics teaching practices using a vignette activity sequence in a professional development setting. *School-University Partnerships*, 13(2), 38–46.
- Shelton, R. N.**, Kerschen, K., & Cooper, S. (2020). The impact of a varied field experience on preservice teachers' perceptions of their personal growth: A summer mathematics academy for early learners. *The Teacher Educator*, 55(1), 28–46. doi:10.1080/08878730.2019.1618424
- Shelton, R. N.** (2018). Pursuing prime numbers: Discovery in productive struggle. *Texas Mathematics Teacher*, 64(2), 12–13.
- Wilkerson, T. L., Kerschen, K., & **Shelton, R. N.** (2018). Preservice teachers' critical connections to effective mathematical teaching practices: An instructional approach using vignettes. *Action in Teacher Education*, 40(4), 358–373. doi:10.1080/01626620.2018.1512430
- Kerschen, K., Cooper, S., **Shelton, R. N.**, & Scott, L. (2018). The impact of a summer mathematics academy on rising kindergartners' understanding of early number concepts. *Journal of Research in Childhood Education*, 32(4), 419–434. doi:10.1080/02568543.2018.1497738
- Shelton, R. N.** (2018). Immersed in mathematics: Left asking the right questions. *Journal of Mathematics Teacher Education in Texas*, 8(2), 3–5.

Shelton, R. N. (2018). A recipe for limits and infinity. *Mathematics Teacher*, 111(4), 320.

Conference Proceedings, Peer-Reviewed

Kerschen, K., **Shelton, R. N.**, & Cooper, S. (2020). The impact of a summer mathematics academy on students' early number sense: A two-year case study. In R. Brandl & J. Herron (Eds.), *Proceedings of the 119th Annual Convention of the School Science and Mathematics Association* (Vol. 7). SSMA.

Shelton, R. N. (2020). Focusing on teaching practices in secondary mathematics methods courses. In J. Cribbs & H. Marchionda (Eds.), *Proceedings of the 47th Annual Meeting of the Research Council on Mathematics Learning*. RCML.

Shelton, R. N., Kerschen, K., Wilkerson, T. L., & Rogers, R. M. (2018). Beliefs and practices: Studying the impact of professional development for inservice mathematics teachers. In L. Venenciano & A. Redmond-Sanogo (Eds.), *Proceedings of the 45th Annual Meeting of the Research Council on Mathematics Learning*. RCML.

Kerschen, K., **Shelton, R. N.**, & Wilkerson, T. L. (2017). Developing preservice teachers' understanding of effective mathematical teaching practices using vignettes. In M. J. Mohr-Schroeder & J. N. Thomas (Eds.), *Proceedings of the 116th Annual Convention of the School Science and Mathematics Association* (Vol. 4). SSMA.

Publications, Editorial Review

Shelton, R. N. (2023). Letter from the CTCTM vice president for college and university: Spring 2023. *Central Texas Council of Teachers of Mathematics Newsletter: Spring 2023*, 6.

Shelton R. N. (2022). Sharing your research: An opportunity for growth and engagement in your field. *EdD-LOC News: EdD in Learning and Organizational Change Newsletter*, 4(1), 9–10.

Shelton, R. N. (2022). Letter from the CTCTM vice president for college and university: Fall 2022. *Central Texas Council of Teachers of Mathematics Newsletter: Fall 2022*, 5.

Shelton, R. N. (2022). Letter from the CTCTM vice president for college and university: Spring 2022. *Central Texas Council of Teachers of Mathematics Newsletter: Spring 2022*, 7.

Shelton, R. N. (2021). Letter from the CTCTM vice president for college and university: Fall 2021. *Central Texas Council of Teachers of Mathematics Newsletter: Fall 2021*, 6.

Shelton, R. N., Wong, J., & Walton, A. (2019). On the cover: Find mathematics at the zoo. *Texas Mathematics Teacher*, 65(2), 20–21.

Shelton, R. N. (2018, September 1). A Canvas fix: Grade distributions. *Baylor University Online Teaching & Learning Services Blog*.

Crowley, B., & **Shelton, R. N.** (2018). On the cover: Find mathematics in butterflies. *Texas Mathematics Teacher*, 64(1), 21–22.

Shelton, R. N. (2018, May 30). DESMOS: A free online graphing calculator. *Baylor University Online Teaching & Learning Services Blog*.

Shelton, R. N. (2018, April 29). Graphic organizers for teaching and learning. *Baylor University Online Teaching & Learning Services Blog*.

Shelton, R. N. (2018, March 18). Action research to improve instruction. *Baylor University Online Teaching & Learning Services Blog*.

Shelton, R. N. (2018, February 23). Checklists: A planning tool and a formative assessment. *Baylor University Online Teaching & Learning Services Blog*.

- Shelton, R. N.** (2018, January 23). Teaching with technology: The TPACK Framework. *Baylor University Online Teaching & Learning Services Blog*.
- Shelton, R. N.** (2018, January 17). Designing your dashboard: For course instructors. *Baylor University Online Teaching & Learning Services Blog*.

Book Chapters and Book Contributions
(underlined denotes graduate student)

- Shelton, R. N.**, Kerschen, K., Crowley, B., & Cooper, S. (Proposal Under Review). Collaborating to engage young children in mathematics at the museum during the summer months.
- Clanton, T., **Shelton, R. N.**, & Franz, N. (Proposal Accepted). Thriving despite the odds: A review of literature on the experiences of Black women at predominately White institutions. In E. Meletiadou (Ed.), *Handbook of Research on Exploring Gender Equity, Diversity, and Inclusion through an Intersectional Lens*. IGI Global.
- Macbeth, A., & **Shelton, R. N.** (Under Review). Collegiate student-athlete mental health concerns and related support systems: A review of the literature. In K. Gorman & K. Brennan (Eds.), *Cracking the Cultural Code: A University-Wide Approach to Changing Mental Illness Stigma Cultures on Campus*. Vernon Press.
- Newberry, C. M., & **Shelton, R. N.** (Under Review). Remote learning and equitable services: A review of the impact of COVID-19 school closures on special education teachers and students. In P. Davies (Ed.), *Online Education During a Time of Emergency: Conditions, Contexts, and Critiques*. Vernon Press.
- Rogers, R. M., **Shelton, R. N.**, & Wilkerson, T. L. (Under Review). How do we conduct lesson study in preservice teacher education? An examination of the study phase. In S. Dotger, G. Matney, K. Chandler-Olcott, J. Heckathorn, & M. Fox (Eds.), *Lesson study in preservice mathematics and science teacher education: Experiences and perspectives from the United States*. Routledge.
- Shelton, R. N.**, Werse, N. R., Davis, B. K., & Franz, N. (In Press). Scaffolding the research process: Mitigating imposter syndrome before the dissertation. In C. Benedetti & A. Covarrubias (Eds.), *Teaching Critical Inquiry and Applied Research in Ed.D. Programs: Moving Beyond Traditional Methods*. Myers Education Press.
- Kerschen, K., **Shelton, R. N.**, & Wilkerson, T. L. (In Press). Using vignettes to highlight the importance of eliciting and using evidence of student thinking. In D. Polly, E. Garin, & C. Martin (Eds.), *Clinically Based Teacher Education in Action: Cases from Mathematics Teacher Educators*. Information Age Publishing.
- Reiss, S. (2022). *Praxis middle school mathematics* (4th ed.). (S. Rush & **R. N. Shelton, Eds.**). Research & Education Association.
- O'Connell, J., Rush, S., & Schwartz, S. (2022). *Praxis core: Academic skills for educators: Reading, writing, and mathematics* (3rd ed.). Research & Education Association. Acknowledgment as Mathematics Accuracy Checker (p. vii).
- Friedman, M. (2021). *TEGES mathematics 7–12 (235)*. (**R. N. Shelton, Ed.**). Research & Education Association.
- Cavallo, A. M. L., Allmond, K., Curtis, M. D., Gawlik, C., Hulings, M., & Seminson, P. (2019). *TexES core subjects 4–8 (211)*. Research & Education Association. Acknowledgment as Mathematics Accuracy Checker (p. xii).
- O'Connell, J., & Rush, S. (2019). *Praxis core: Reading, writing, and mathematics* (2nd ed.). Research & Education Association. Acknowledgment as Mathematics Accuracy Checker (p. vii).

- Wilkerson, T. L., Kerschen, K., & **Shelton, R. N.** (2018). Coaching lessons from the field. In M. B. McGatha, J. M. Bay-Williams, B. M. Kobett, & J. A. Wray. *Everything you need for mathematics coaching: Tools, plans, and a process that works for any instructional leader, grades k–12* (p. 252). Corwin.
- Wilkerson, T. L. (2018). *TExES mathematics 4–8 (115)* (2nd ed.). Research & Education Association.
Acknowledgment as Reviewer (p. v).

Conference Presentations, Peer-Reviewed
(underlined denotes graduate student)

- Shelton, R. N., Giammario, J. N., & Cox, T. L.** (2023, March 28) The Importance of Relationships to Craft Professional Development using an Instructional Design Model [Presentation]. Association of Teacher Educators Annual Meeting, Jacksonville, FL.
- McCall, M., **Shelton, R. N.**, & Crowley, B. (2023, March 28). *Educators' perceptions of engaging in project-based learning in a doctoral-level course to design professional development* [Presentation]. Association of Teacher Educators Annual Meeting, Jacksonville, FL.
- Shelton, R. N.**, Smith, J., Scholten, N., & McCall, M. (2023, March 28). *Secondary preservice teachers' critical reflecting practices: Examining perceptions of confidence using a two-part reflection* [Presentation]. Association of Teacher Educators Annual Meeting, Jacksonville, FL.
- Rogers, R. M., Wilkerson, T. L., Shanks, N., **Shelton, R. N.**, Talbert, T. L., Scott, L., McGill, K., Nesmith, S., Cooper, S., Cox, H., Talbert, S., McCall, M., Hagan-Burke, S., & Smith, J. (2023, March 27). *The Baylor Experience Part 1: A 100-Year Journey of Light and Learning* [Presentation]. Association of Teacher Educators Annual Meeting, Jacksonville, FL.
- Shelton, R. N.**, Rogers, R. M., Wilkerson, T. L., & Donham, M. P. (2022, October 28). *Implementing a modified lesson study with middle and secondary mathematics preservice teachers* [Presentation]. School Science and Mathematics Association Convention, Missoula, MT.
- Shelton, R. N.** (2022, September 17). *Mathematics teaching practices in secondary mathematics methods: Trends across mathematics teacher educators* [Presentation]. Association of Mathematics Teacher Educators in Texas Fall Conference, Corpus Christi, TX.
- Kaul, C. R., **Shelton, R. N.**, & Wersé, N. R. (2022, March 21). *Dissertation readiness: An examination of doctoral student self-evaluations and faculty advisor ratings* [Poster presentation]. Conference on Academic Research in Education, Virtual.
- Smith, J., **Shelton, R. N.**, Wersé, N. R., Kaul, C. R., & Crocker Papadakis, L. (2022, March 9). *Visiting the writing center in an online doctoral program* [Roundtable presentation]. International Writing Centers Association Online Collaborative, Virtual.
- Crocker Papadakis, L., Wersé, N. R., Smith, J., **Shelton, R. N.**, & Kaul, C. R. (2022, March 9). *Between student and advisor: A preliminary report on a mixed methods study comparing doctoral student self-assessments of their writing with dissertation advisor assessments* [Presentation]. International Writing Centers Association Online Collaborative, Virtual.
- Shelton, R. N.**, Kerschen, K., Wilkerson, T. L., & Donham, M. P. (2022, March 5). *Preservice teachers and vignettes: Identifying critical issues in mathematics education* [Presentation]. Annual Conference of the Research Council on Mathematics Learning, Grapevine, TX.
- Kerschen, K., **Shelton, R. N.**, & Wilkerson, T. L. (2021, October). *Vignette writing to support the development of pre-service teachers* [Presentation]. School Science and Mathematics Association Convention, Virtual.
- Rogers, R. M., **Shelton, R. N.**, & Wilkerson, T. L. (2021, February). *Implementing lesson study in mathematics: The impact on preservice teachers* [Presentation]. Annual Conference of the Research Council on Mathematics Learning, Virtual.

- Shelton, R. N.** (2021, February). *Examining the design of secondary mathematics methods courses through the lens of mathematics teaching practices* [Presentation]. Association of Mathematics Teacher Educators Annual Conference, Virtual.
- Rogers, R. M., **Shelton, R. N.**, & Wilkerson, T. L. (2021, February). *Lesson study with preservice teachers: The process, the benefits, and the challenges* [Presentation]. Association of Teacher Educators Annual Meeting, Virtual.
- Shelton, R. N.**, Kerschen, K., & Cooper, S. (2020, November). *The impact of a summer mathematics academy on students' early number sense: A two-year case study* [Presentation]. School Science and Mathematics Association Convention, Virtual.
- Shelton, R. N.** (2020, March). *Focusing on teaching practices in secondary mathematics methods courses* [Presentation]. Annual Conference of the Research Council on Mathematics Learning, Las Vegas, NV.
- Shelton, R. N.**, & Wilkerson, T. L. (2020, February). *Addressing planning for instruction and instructional strategies in secondary mathematics methods courses* [Presentation]. Association of Teacher Educators Annual Meeting, Atlantic City, NJ.
- Shelton, R. N.** (2019, November). *How do we design and plan for secondary mathematics methods courses?* [Presentation]. School Science and Mathematics Association Convention, Salt Lake City, UT.
- Wilkerson, T. L., **Shelton, R. N.**, & Wong, J. (2019, April). *Working together to develop an understanding of equity-based mathematics teaching practices* [Presentation]. National Council of Teachers of Mathematics Annual Meeting, San Diego, CA.
- Shelton, R. N.**, Wilkerson, T. L., & Kerschen, K. (2018, October). *Planning for action: Professional development to support teaching practices* [Presentation]. School Science and Mathematics Association Convention, Little Rock, AR.
- Montgomery, M., & **Shelton, R. N.** (2018, September). *Writing for AMTE-TX's Journal of Mathematics Teacher Education in Texas, JMTE* [Presentation]. Association of Mathematics Teacher Educators in Texas Fall Conference, Nacogdoches, TX.
- Faulkenberry, E., Jorgensen, T., Quebec Fuentes, S., & **Shelton, R. N.** (2018, September). *Navigating the rapids: Research, advocacy, professionalism, instruction, development, service: Early career faculty* [Presentation]. Association of Mathematics Teacher Educators in Texas Fall Conference, Nacogdoches, TX.
- Shelton, R. N.**, Kerschen, K., & Cooper, S. (2018, April). *The impact of a summer mathematics academy on rising kindergartners' understanding of early number concepts* [Poster presentation]. National Council of Teachers of Mathematics Research Conference, Washington, DC.
- Wilkerson, T. L., Kerschen, K., & **Shelton, R. N.** (2018, April). *Examination of algebra teacher beliefs and mathematical teaching practices* [Poster presentation]. National Council of Teachers of Mathematics Research Conference, Washington, DC.
- Cooper, S., Wilkerson, T. L., Kerschen, K., **Shelton, R. N.**, & Crowley, B. (2018, February). *Varied field experiences for preservice teachers in a math academy* [Presentation]. Annual Conference of the Research Council on Mathematics Learning, Baton Rouge, LA.
- Wilkerson, T. L., Rogers, R. M., **Shelton, R. N.**, & Kerschen, K. (2018, February). *Connecting beliefs and teaching practices among teachers of algebra* [Presentation]. Annual Conference of the Research Council on Mathematics Learning, Baton Rouge, LA.
- Wilkerson, T. L., **Shelton, R. N.**, & Kerschen, K. (2018, February). *Engaging preservice teachers in developing an understanding of effective practices through the examination of critical issues in mathematics education* [Presentation]. Association of Teacher Educators Annual Meeting, Las Vegas, NV.

- Shelton, R. N.**, & Kerschen, K. (2018, January). *Exploring and making predictions by sampling and estimating: Promoting productive struggle* [Presentation]. Central Texas Council of Teachers of Mathematics Spring Conference, Waco, TX.
- Kerschen, K., **Shelton, R. N.**, & Wilkerson, T. L. (2017, November). *Developing preservice teachers' understanding of effective mathematical teaching practices using vignettes* [Presentation]. School Science and Mathematics Association Convention, Lexington, KY.
- Shelton, R. N.**, LeCompte, K., & Kerschen, K. (2017, October). *Building bridges: Ways to support member retention* [Poster presentation]. Kappa Delta Pi Convocation, Pittsburgh, PA.
- Shelton, R. N.**, & Kerschen, K. (2017, September). *Building a community of graduate student mathematics teacher educators* [Presentation]. Association of Mathematics Teacher Educators in Texas Fall Conference, Fort Worth, TX.
- Wilkerson, T. L., & **Shelton, R. N.** (2017, September). *Activities for mathematics preservice teachers to develop an understanding of equity-based practices* [Presentation]. Association of Mathematics Teacher Educators in Texas Fall Conference, Fort Worth, TX.
- Shelton, R. N.**, Kerschen, K., & Amos, E. (2017, July). *Finding equations of graphs using technology: Bringing it into focus* [Presentation]. Conference for the Advancement of Mathematics Teaching, Fort Worth, TX.
- Wilkerson, T. L., **Shelton, R. N.**, & Kerschen, K. (2017, April). *Supporting the development of preservice teachers using mini-vignettes* [Poster presentation]. National Council of Teachers of Mathematics Research Conference, San Antonio, TX.
- Cooper, S., **Shelton, R. N.**, & Kerschen, K. (2017, March). *A summer academy for early learners: Development of early number sense* [Presentation]. Annual Conference of the Research Council on Mathematics Learning, Fort Worth, TX.
- Cooper, S., Kerschen, K., & **Shelton, R. N.** (2017, February). *Early math academy for early learners: Varied field experiences for preservice teachers* [Presentation]. Association of Mathematics Teacher Educators Annual Conference, Orlando, FL.
- Amos, E., **Shelton, R. N.**, & Kerschen, K. (2017, January). *Finding equations of graphs using technology* [Presentation]. Central Texas Council of Teachers of Mathematics Spring Conference, Waco, TX.
- Shelton, R. N.**, & Musgrove, M. (2017, January). *Utilizing cooperative learning strategies in the mathematics classroom* [Presentation]. Central Texas Council of Teachers of Mathematics Spring Conference, Waco, TX.
- Shelton, R. N.** (2016, October). *Is mathematics only for the elite? Problem solving for all* [Roundtable presentation]. American Association of Curriculum and Teaching Annual Conference, Grand Rapids, MI.
- Wilkerson, T. L., Kerschen, K., & **Shelton, R. N.** (2016, September). *Supporting the development of preservice teachers using mini-vignettes* [Presentation]. Association of Mathematics Teacher Educators in Texas Fall Conference, Abilene, TX.
- Wilkerson, T. L., **Shelton, R. N.**, & Samuel, A. (2016, April). *Facilitating algebraic thinking development with appropriate tools and technology* [Presentation]. National Council of Teachers of Mathematics Annual Meeting, San Francisco, CA.
- Shelton, R. N.** (2016, January). *S-pattern task: Algebraic thinking after algebra* [Presentation]. Central Texas Council of Teachers of Mathematics Spring Conference, Waco, TX.
- Shelton, R. N.**, & Dean, H. (2015, January). *Foldables and formative assessments for the secondary math classroom* [Presentation]. Central Texas Council of Teachers of Mathematics Spring Conference, Waco, TX.

Invited Presentations and Professional Development
(underlined denotes graduate student)

- Jones, L., & Shelton, R. N. (2022, October 11). *Reimagining estimation with Fermi problems* [Professional development workshop]. Central Texas Council of Teachers of Mathematics Fall Meeting, Virtual.
- Wilkerson, T. L., Rogers, R. M., **Shelton, R. N.**, Painter, L., & Anderson, H. (2021, April). *Empowering teacher and student voice: Examining math teaching and learning through lesson study* [Presentation]. National Council of Teachers of Mathematics Annual Meeting, Virtual.
- Rogers, R. M., Wilkerson, T. L., & **Shelton, R. N.** (2021, April). *Lesson study: The challenges faced with undergraduate implementation* [Presentation]. Lesson Study in Mathematics and Science Teacher Education Conference, Virtual.
- Shelton, R. N.** (2021, March). *Navigating KDP's scholarship process* [Workshop]. Presented at the Baylor University Kappa Delta Pi Beta Xi Spring Learning Series, Virtual.
- Shelton, R. N.**, & Donham, M. P. (2019, November). *Life, Cheerios, and Lucky Charms: Math discourse at the supermarket* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.** (2019, July). *Calling plans and discourse cards* [Professional development workshop]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.**, & Bowen, M. (2019, July). *The new playground: Linking questioning and discourse* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.** (2019, March). *Toxic troubles: Learning to address community concerns with mathematics* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.**, & Wong, J. (2018, December). *Productive struggle: Use and connect multiple representations* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.** (2018, August). *Mix it up: Instructional strategies to engage and assess students* [Professional development]. First Baptist Christian School, Hillsboro, TX.
- Salisbury, K., & **Shelton, R. N.** (2018, July). *The secret number: HP Reveal* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.** (2018, July). *Exploring graphing activities to support productive struggle with Desmos* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.**, & Bowen, M. (2018, July). *S-pattern task: A task to support productive struggle* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.** (2018, June). *At-bats in math class: Giving everyone a chance at the plate* [Professional development]. Texas Private Schools Conference, Waco, TX.
- Shelton, R. N.** (2018, April). *Navigating KDP's scholarship process* [Workshop]. Kappa Delta Pi Beta Xi Membership, Waco, TX.
- Shelton, R. N.**, & Kerschen, K. (2018, March). *Postage stamp vignette activity* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N.**, & Kerschen, K. (2018, March). *Tutoring with cooperative learning strategies* [Professional development]. Student-Athlete Center for Excellence at Baylor University, Waco, TX.
- Kerschen, K., & **Shelton, R. N.** (2017, December). *Exploring multiple representations with Desmos* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Kerschen, K., & **Shelton, R. N.** (2017, December). *Strategies for tutoring mathematics* [Professional development]. Baylor University Student-Athlete Center for Excellence Staff, Waco, TX.

- Shelton, R. N., & Kerschen, K.** (2017, July). *Trains, tables, and chairs: Pattern tasks to support algebraic thinking in grades 5–8* [Professional development]. Mathematics Teacher Academy, Waco, TX.
- Shelton, R. N., & Kerschen, K.** (2017, July). *How fast can you go? Using CBRs to support algebraic thinking in grades 9–12* [Professional development]. Mathematics Teacher Academy, Waco TX.
- Shelton, R. N.** (2017, June). *Pattern tasks to support algebraic thinking in K–12* [Professional development]. Texas Private Schools Conference, Waco, TX.
- Shelton, R. N., & Terry, K.** (2016, August). *Building structures* [Professional development]. STEM for Young Learners Professional Development Kick-Off Event for Waco ISD Teachers, Waco, TX.
- Shelton, R. N.** (2016, June). *Math in the 21st century* [Professional development]. Texas Private Schools Conference, Waco, TX.

University Teaching

Baylor University, Waco, Texas, 2016 – Current.

Course Instructor

- EDC 6393: Problem of Practice Dissertation Final Phase Capstone – Spring 2023.
- EDC 6360: Instructional Design – Spring 2021, Summer 2021, Spring 2022, Summer 2022, Fall 2022, Spring 2023.
- EDC 6333: Problem of Practice Dissertation Phase Three – Fall 2022.
- EDC 6391/2: Problem of Practice Dissertation Phase One and Two – Fall 2021, Summer 2022.
- EDC 6336: Qualitative Research and Analysis – Fall 2020, Fall 2021, Spring 2022.
- EDC 5333: Mathematical Immersion to Advance Understanding – Fall 2021.
- EDC 5335: Research in Algebraic Thinking – Summer 2021.
- TED 3641: Teaching Associate Secondary – Spring 2021.
- TED 4349: Critical Issues in Mathematics Education – Spring 2019, Spring 2020, Spring 2021.
- EDC 5350: Teaching for Understanding – Fall 2020.
- TED 3383/4: Secondary Math Practicum I and II – Fall 2017, Spring 2018, Fall 2020.
- TED 1312: Introduction to Teaching – Fall 2019, Fall 2020.
- EDC 5310: Principles and Strategies for Effective Discipline and Management – Summer 2020.
- TED 3341: Teaching Associate Secondary II – Spring 2020.
- TED 4640-3: Internship, Secondary Math – Fall 2018, Spring 2019, Fall 2019, Spring 2020.
- TED 4348: Secondary Math Curriculum – Fall 2018, Fall 2019.
- TED 2340: Teaching in Secondary Schools – Fall 2016, Spring 2017.

Invited Speaker

- EDC 6340: Research in Mathematics Education – Fall 2022.
- TED 4633/43: Internship, Middle and Secondary Math – Spring 2021.
- EDC 6101: Proseminar – Spring 2020.
- EDC 5350: Teaching for Understanding – Spring 2019.
- TED 2381: American Educational Thought – Spring 2018.
- TED 4349: Critical Issues in Mathematics Education – Spring 2016, Spring 2017, Spring 2018.
- TED 4326: Mathematics in the Elementary Grades – Fall 2017.
- TED 4348: Secondary Math Curriculum – Fall 2015, Fall 2016, Fall 2017.
- TED 2330: Teaching in the Middle Grades – Spring 2016.
- TED 1312: Introduction to Teaching – Spring 2016.

Professional Service

National Service

School Science and Mathematics Association

Conferences Committee Member, 2020–Current.

Annual Convention Proposal Reviewer, 2022.

Association of Teacher Educators, Conference Special Events Committee Member, 2021–2023.

Association of Mathematics Teacher Educators Conference Proposal Reviewer, 2020, 2021, 2022.

Grant Reviewer, Kappa Delta Pi International Honor Society Classroom Teacher Grants, 2017, 2018, 2021, 2022.

Manuscript Reviewer, *Investigations in Mathematics Learning*, 2021.

Manuscript Reviewer, *Journal of Advanced Academics*, 2021.

National Council of Teachers of Mathematics Research Conference, Conference Proposal Reviewer, 2017, 2018.

State Service

Texas Council of Teachers of Mathematics

Manuscript Reviewer, *Texas Mathematics Teacher*, 2017–Current.

Editorial Board, *Texas Mathematics Teacher*, 2020–2022.

Association of Mathematics Teacher Educators in Texas

Secretary, 2021–Current.

Manuscript Reviewer, *Journal of Mathematics Teacher Education in Texas*, 2022–Current.

Fall Conference Proposal Reviewer, 2021, 2022.

Program Committee, Fall Conference, 2022.

Membership Chair, 2019–2021.

Program Committee, Fall Conference, 2020.

Program Chair, Fall Conference, 2019.

Co-Editor, *Journal of Mathematics Teacher Education in Texas*, 2017–2019.

Tenth Anniversary Committee, 2018–2019.

Fall Conference Registration Committee, 2018.

Local Service

Baylor University

Course Lead, EDC 6360: Instructional Design, 2022–Current.

EdD Research and Publications Committee, Committee Member, 2022–Current.

Cherry Award Winner Planning Committee, Committee Member, Fall 2022.

Course Lead, EDC 6391/2: Problem of Practice Dissertation Phase One and Two, Summer 2022.

Professional Education Faculty (PEF), Committee Member, 2019–2021.

Graduate Student Association, Baylor University, Department Representative, 2016–2018.

Graduate Student Association, Baylor University, Academic Affairs Committee, 2016–2018.

Scholarly Communications Committee, Committee Member, 2016.

Central Texas Council of Teachers of Mathematics

Vice President for College/University, 2021–Current.

Newsletter/Website Editor, 2017–2019.

Officer Nominations Committee, 2017.

Kappa Delta Pi International Honor Society in Education, Beta Xi Chapter, Baylor University

President, 2018–2019.

Vice President, 2017–2018.

Membership Chair, 2016–2017.

Dissertation Committee Chair

- Abell, A. (Expected 2023). Helping the little ones: A quantitative study to discover benchmarks to identify variables and develop models for use in small Bible colleges to find and retain college-ready, mission-fit students [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Bearden, M. (Expected 2023). A Single Case Study on the Perceived Impact on Black Males' College Readiness After Attending a Charter Network [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Beattie, S. (Expected 2023). Information Technology (IT) Apprenticeships in the United States: A Case Study Examining an Apprenticeship Organization and Why Apprentices Stay in their Program [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Clanton, T. (Expected 2023). Are you thriving, or did you just survive? A Multiple Case Study Exploring How Black Women Thrive at Predominantly White Ivy League Institutions [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Franklin, S. (Expected 2023). A Qualitative Case Study to Explore Teachers' Decision-making Processes and Perceptions Related to Writing Disciplinary Referrals [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Gammenthaler, K. (Expected 2023). The Lasting Effect of Generosity: A Single Instrumental Case Study Exploring the Long-Term Implications of an Undergraduate Experiential Philanthropy Course [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Gonzalez, A. (Expected 2023). Academic Performance of Hispanic Males in Middle School: A Multiple Case Study Exploring Student Perceptions of Social Processes Influencing Academic Outcomes [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Macbeth, A. (Expected 2023). Let Them Be Something Other Than Fine: A Multiple Case Study to Examine Mental Health Support Systems in College Athletics [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Mayfield, M. (Expected 2023). Examining Employee Job Satisfaction at NASA: A Qualitative Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Newberry, C. (Expected 2023). Teachers' Perceived Barriers Related to Implementation of Individualized Education Plan Supports and Services During COVID-19: A Qualitative Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Niño, A. (Expected 2023). Examining Lesbian, Gay, Bisexual, Transgender, Queer (LGBTQ) College Students' Academic Performance and Success Based on Campus Culture and Support: A Phenomenological Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Perez, S. (Expected 2023). No More Rewarding Career: A Qualitative Case Study Exploring Service Member Perceptions of Naval Training [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Powell, D. (Expected 2023). Teacher Emotional Intelligence Influence on African American Elementary School Students: A Qualitative Case Study at a North Carolina Charter School [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Schoch, A. (Expected 2023). It's Not Just for the Kids: A Quantitative Examination of the Social-Emotional Competence, Beliefs About Social-Emotional Learning School Culture, and Job Satisfaction Among Teachers in Restorative Practice Schools [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Steen, A. (Expected 2023). Against the Odds: A Case Study Exposing the Benefits of Implementing Afterschool Programs for Academically Low Performing, Low Socioeconomic Students, Grades 6–8 [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Burroughs, D. L. (Expected May 2023). Exploring the Principal Perspective on Teacher Attrition in Urban Education: A Multiple Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.

- Godley, T. J. (Expected May 2023). Raising the Rim: A Multiple Case Study to Investigate Academic Support for High School Basketball Players [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Jansson, C. (Expected May 2023). Creating Value-Driven Learning Opportunities: A Single Case Study Exploring Experiential Learning Company Projects in a Business Education Course [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Khuwaja, S. (Expected May 2023). Systemic Advocacy Leadership: A Multiple Case Study Exploring Systemic Change Through Perceptions of School Leaders and Teachers [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Tilden, L. M. (Expected May 2023). The Path to Teaching Emergency Medical Services: A Multiple Case Study of Paramedic Educators' Preparatory Experiences [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Valdez, J. (Expected May 2023). Promoviendo el repertorio lingüístico—Exploring the Automatic and Controlled Thought Processes of Third Through Fifth Grade Mathematics Dual Language Teachers in a West Texas Elementary School: A Multiple Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Waterman, S. R. (Expected May 2023). Perceptions of Gender Norm Stereotypes and the Decision to Report Military Sexual Trauma: A Multiple Case Study of Enlisted Army National Guard Service Members [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Willmore, S. (Expected May 2023). Exploring Elementary Exceptional Educators' Self-Efficacy Related to Behavior Data Collection for Behavior Reduction Before and After Peer Coaching: A Multiple Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.

Dissertation Committee Member

- Cummings-Lewis, E. N. (Expected August 2023). A King's Mirror and The Early Impact: A Phenomenological Case Study on the Disparity of Black Men as Early Childhood Educators [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Asselin, S. N. (Expected May 2023). Moving from Shame with Resilience: A Multi-Case Study Understanding the Stories of Female Educators who have Experienced Shame and Resilience While Working in Texas Public Schools [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Carrera, E. (Expected May 2023). First-Generation College Students: A Single Case Study Exploring the Frustrations and Celebrations of Earning a Bachelor's Degree [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Ferguson, C. M. (Expected May 2023). Using a Trauma-Informed Approach to Put the Brakes on the School-to-Prison Pipeline: A Single Case Study of a Juvenile Justice Alternative Education Program's Implementation of the Trust-Based Relational Intervention® [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Hidalgo, E. (Expected May 2023). The Hurting Hero and the Camouflaged Consort: A Qualitative Collective Case Study to Identify Limitations to Help-Seeking Behaviors Among Active-Duty Enlisted Servicemembers and their Spouses at Goodfellow Air Force Base [Ed.D. Problem of Practice Dissertation]. Baylor University.
- McCarthy, D. E. (Expected May 2023). "Principal and Teacher Perspectives" on Cultivating Fit in Catholic High Schools: A Multiple Case Study [Ed.D. Problem of Practice Dissertation]. Baylor University.
- Neuman, E. Y. (Expected May 2023). STEM Integration in Elementary Classrooms: A Quantitative Study Exploring Impediments and Improvements [Ed.D. Problem of Practice Dissertation]. Baylor University.

Saddler, A. (Expected May 2023). *The Only Person in My Way is Me: A Multiple Case Study Exploring the Perspectives of Experienced School Principals Regarding the Impact of Executive Coaching* [Ed.D. Problem of Practice Dissertation]. Baylor University.

Grants

- Werse, N. R., Kaul, C. R., & **Shelton, R. N.** (2022, Awarded). International Writing Centers Association Research Grant. \$1,000. *Writing apprehension, writing self-efficacy, and writing center engagement: A mixed methods study of online doctoral students through the dissertation writing process.*
- Shelton, R.** (2018, Not Funded), Charles Koch Foundation Travel Grant. \$1200. *Charles Koch Foundation Travel Grant to Attend the National Council of Teachers of Mathematics Annual Research Conference.*
- Shelton, R.** (2017, Funded), Texas Council of Teachers of Mathematics Grant. \$800. *TCTM Grant to Attend the National Council of Teachers of Mathematics Annual Research Conference.*
- Baylor University Graduate Student Association Grant, Spring 2017, Fall 2017.
- Grapevine Colleyville ISD Education Foundation Grant, Colleyville, Texas, 2011.

Honors and Awards

- Association of Mathematics Teacher Educators in Texas Early Career Faculty Conference Travel Award, 2022.
- Data Research Faculty Fellow, Baylor University, 2022.
- Building Shared Knowledge of Lesson Study Practice in Preservice Contexts, Participant/Researcher, funded by NSF Grant, 2020–2021.
- School Science and Mathematics Association Dissertation Award, 2020.
- Dept. of Curriculum and Instruction Nominee for the Baylor University Outstanding Dissertation Award, 2020.
- Outstanding Graduate Student Instructor Award Nominee, Baylor University, 2016, 2017, 2018, 2019.
- SSMA John Park Graduate Student Convention Travel Award, 2017, 2018.
- Association of Mathematics Teacher Educators in Texas Graduate Student Conference Travel Award, 2018.
- Barbara Day Laureate Scholarship: Kappa Delta Pi Endowed Scholarship, 2018.
- Designing for Online Teaching Success – Higher Education Online Teaching Program, Baylor University, 2017.
- Teaching Capstone in Higher Education – Higher Education Teaching Program, Baylor University, 2017.
- Gerald H. Read Laureate Scholarship: Kappa Delta Pi Endowed Scholarship, 2017.
- American Association for Teaching and Curriculum, Graduate Fellowship Award, 2016.
- Hollis L. Caswell Laureate Scholarship: Kappa Delta Pi Endowed Scholarship, 2016.
- Marcella L. Kysilka Doctoral Student Scholarship: Kappa Delta Pi Endowed Scholarship, 2015.