

Curriculum Vita

Professor of Curriculum & Instruction
University of Louisiana at Monroe
700 University Avenue
2-25 Walker Hall
Monroe, LA 71209
318-342-1300
swatson@ulm.edu

Doctor of Education, Georgia Southern University, 2002
Curriculum & Instruction
Mathematics, Science, Technology

Master of Education, Georgia Southern University, 1996
Science Education

Bachelor of Science, Western Kentucky University, 1983
Biology, Biophysics, Physics

Georgia Teacher Certification Composite Science (7-12) (expired)

2023-Present University of Louisiana Monroe, Monroe, LA
Professor of Curriculum & Instruction
Chase Endowed Professor of Teacher Education

2021-2023 University of Louisiana Monroe, Monroe, LA
Associate Professor of Curriculum & Instruction
Chase Endowed Professor of Teacher Education

2017-2021 University of Houston-Clear Lake, Houston, TX
Associate Professor of STEM Education, EDCI/STEM Program

2012-2013 University of Tennessee at Chattanooga, Chattanooga, TN
Co-Director: UTeaChattanooga
Professor: Curriculum Studies (Emphasis in Math, Science and Technology)

2010-2012 University of Tennessee at Chattanooga, Chattanooga, TN
Co-Director: UTeaChattanooga

2007-2012 University of Tennessee at Chattanooga, Chattanooga, TN
Associate Professor of Science Education

2002-2007 University of Tennessee at Chattanooga, Chattanooga, TN
Assistant Professor of Science Education

1992-2002 Wayne County Board of Education, Waynesville, NC

Graduate

EDUC 513 Perspectives in Multiculturalism and Diversity
EDUC 590 Culminating Experience (Masters' Theses)

Undergraduate

EDUC 201 Teaching in the United States
EDUC 311 Science Concepts and Processes
EDUC 312 anubl36 6id()cjjE omT()mT()unid()cjjE

(2023). [Re]Imagining an elementary science methods course as inquiry-based. In C. Mayakis (Ed.), *Using STEM-focused teacher preparation programs to reimagine elementary education* (pp. 68-85). Robert Morris University:

Rotundo, H., Dumas, J., Jones, A. & Fields, V. (2023). The impact of an international service-learning experience on university students' community service attitudes. *Journal of Service Learning in Higher Education*, 18.

Miller, T., Davis, L., & Carter, P (2010). Teachers' perceptions of the effective teacher. *Research in the Schools*, 17(2), 11-
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National

(2024). The science of artificial intelligence: An introduction. *The Science Teacher*
<https://doi.org/10.1080/00368555.2024.2309697>

. & Bell, J. (2022, November/December). Accommodating visually impaired students in secondary science. *The Science Teacher*, 40-49. <https://doi.org/10.1080/00368555.2022.12293737>

Shane, A., Buxner, S. & Bakerman, M. (2018). ExMASS: Four years of authentic scientific research by high school students. The 2018 NASA Exploration Science Forum, Solar System Exploration Research Virtual Institute. NASA Ames Research Center, Moffett Field, CA.

(2005). Women scientists. Paper presented at the American Educational Research Association International Conference, Montreal, Canada.

National

Quintana-Cifuentes, J., Case-Hanks, A., & Schulte, A. (2023, October). The U.S. landscape of elementary teachers' science course requirements. Paper presented at the American Association for Teaching and Curriculum conference, Louisville, KY.

Quintana-Cifuentes, J., Case-Hanks, A., & Schulte, A. (2023, November). Teaching science in the elementary school. Paper presented at the Midsouth Educational Research Association conference, Pensacola, FL

Cooper, J. M., McDonald, D., Curtis, G., Baker, S., Gauna, L., Craig, C. J., Williams-Duncan, O., Newsum, J., Phol, B., Keikel, J., Stokes, D., Wandix-White, D. (2023, October). Academic transitions impart scholarly identity shifts through stressors and opportunities for growth. Paper presented at the American Association for Teaching and Curriculum. Louisville, KY.

Cooper, J. M., McDonald, D., ., Curtis, G., Baker, S., Gauna, L., Craig, C. J., Williams-Duncan, O., Newsum, J., Phol, B., Keikel, J., Stokes, D., Wandix-White, D. (2023, October). Invisible colleges: Extra-

(2019, February). Texas school Administrators' perceptions of parental STEM awareness. Paper presented at the Southeastern Research Association. San Antonio, TX

., & Weiser, B. (2018, February). A comparison of expert vs. novice delivery of STEAM-based instruction on the academic achievement of kindergarten students. Paper presented at the Southeastern Educational Research Association. New Orleans, LA.

. (2012). Science, language and power: Describing shifting relationships. Paper presented at the Science Education at the Crossroads Conference

Service Within the Institution

University of Louisiana at Monroe

2024	IRB Board Member
2024	Universities Council on Foreign Relations Workshop, New York, NY
2023-present	PK-16 Advisory Council member
2023-2024	Educator's Rising Conference (Call for Proposals Committee Chair)
2023-present	ULM Research Symposium Judge
2023-present	Social Science Fair Judge
2023-2024	Scholarship Mentor for Dr. Frances Hester (new faculty).
2021-2024	Board Member, ULM Women's Symposium
2021-2023	Dominican Republic Service-Learning Project Leader
2022-present	Ed.D. Application Evaluation Committee
2022-2023	University-wide Tenure and Promotion Committee
2022	Neville High School Summer Camp – Atmospheric
Science Teacher	
2022	Richland Parish Summer Learning Camp planning meeting
2021-present	Member, SOE Assessment Committee
2021-present	Full Graduate Faculty Member
2021	Session Chair for Educators Rising
2021	Session Chair for Greater Houston Area STEM Conference
2021	Taught two two-hour classes at WarhawksU Summer Camp
2022	Educational Leadership Search Committee member
2022	Grant Writing 101 Presentation to SOE Faculty
2021-2022	Scholarship Mentor for Dr. Jeremy Bell (new faculty).

University of Houston Clear Lake

2019-2020	Chair, COE Scholarly Research Sub-Committee
2018-2020	Member, International Education Awards Committee.
2017-2020	Alternate Member, Academic Honesty Committee.
2020-2021	Faculty Senate (elected)
2020	Faculty Senate: Faculty Governance Ad Hoc Committee
2020	Faculty Senate: University Life Ad Hoc Committee
2020-2021	Director, Kids U Science.
2020-2021	EDLS Doctoral Program Admissions Committee
2019-2020	Chair, COE Research and Scholarly Activities Sub-Committee
2019-2020	Chair, EDCI Doctoral Admissions Committee.
2018	Writer, TCED Program Report.
2018-2019	Chair, CAEP Standard Five Committee.
2019-2020	Member, CAEP Standard Five Committee.
2019	Presenter, UHCL Doctoral Reception.
2017-2020	Chair, UTeach Planning Committee.
2017-2020	Member, EDCI STEM Committee.
2017-2020	Member, Faculty Academy.
2017	Attendee, STEM Retreat.
2017-2018	Liaison, Parkwood Elementary.

2017-2018 Attendee, UTeach Conference.
 2017-2020 Attendee, Kickoff Luncheon.
 2017-2020 Attendee & Presenter, STEM Luncheon.
 2017-2020 Attendee, C&I Potluck Luncheon.
 2017-2020 Attendee, End of Semester Luncheon.
 2018-2020 Volunteer, Greater Houston Area STEM Conference.
 2018 Recruiter, Alief National STEM Day.
 2018 Attendee, Grant Proposers' Luncheon.
 2018 Attendee, EDCI Doctoral Spring Dinner.
 2018-2020 Attendee, Teacher Induction Ceremony.
 2018-2020 Attendee, Faculty Awards Ceremony.
 2018-2020 Participant, UHCL Open House.
 2019 Attendee, UHCL Graduation.
 2019 Attendee, Projectj3 0 T Pmnd NaAttee, 2019 2a0 5372018 Doc, GronaMeereHion. Ate S

2009 Attendee, AIMS Task Force Training.
 2009-2019 Member, General Education Restructure Committee.
 2009 Participant, Operation Move-In.
 2010 Attendee, UTeach Co-Directors Training, UT, Austin.
 2010 Attendee, Banner Training, UTC.
 2010 Attendee, IRIS Training, UTC.
 2010-2013 Chair, UTeach Advisory Council.
 2010-2013 Chair, UTeach Steering Committee.
 2010-2013 Member, College-wide Task Force Committee.
 2010 Attendee, NCATE SPA Training, University of Northern Arizona.
 2010 Marshall, UTC Graduation, spring and fall.
 2010-2013 Member, Council of Academic Department Heads.
 2011 Attendee, NCATE NCTM Training.
 2011 Attendee, Undergraduate Research Training, UC, Berkley.
 2011 Member, HCDOE/University Round Table, Benwood Foundation.
 2011 Attendee, AERA UTeach Research & Vanderbilt Education Reception, New Orleans, LA.
 2011 Faculty Sponsor, UC Berkley Undergraduate Research Conference, Berkley, CA.
 2011 Attendee, TaskStream Training.
 2011 Attendee, AACTE Leadership Training, Seattle, WA.
 2011 Member, Volkswagen Interview Team.
 2011-2012 Member, Conflict Resolution Committee.
 2011-2013 Member, Budget and Economic Status Committee.
 2012-2013 Member, Grade Appeals Committee.
 2012-1013 Member, Scholarships Committee.
 2012 Attendee, SharePoint Training
 2012 Grader, CAPS.
 2012 Attendee, STAR Conference, San Jose, CA.
 2012 Attendee, Gender, Sexual Orientation, and Workplace Issues
 2012 Attendee, Google Docs Training
 2013 Writer, SPA Report (science), resulted in SPA accreditation.
 2013 Presenter, NCATE Poster Session, UTC.

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2021, August American Educational Research Association: Reviewed 11 presentation proposals for the Teacher and Teacher Education sig and 10 for the Mentoring and Mentoring Practices sig.

2021-2023 American Association of Teaching and Curriculum, Curriculum and Teaching Dialogue, Hunkins Distinguished Article Awards Committee

2021-present Editorial Review Board Member, Association for the Advancement of Computing in Education

2019-present Reviewer, Association for Science Teacher Education.

2019-present Editorial Review Board Member for ASTE CITE journal

2019-present ASTE Equity Committee: appointed member

2019-present Reviewer, Journal of Research on Technology in Education.

2018-present

2017-present Reviewer, *The Science Teacher*.
 2017-present Editorial Review Board Member, *International Journal of Science Education*.
 2001-present Member, American Educational Research Association.

National Professional Organizations

2018-2021 Member, UTeach STEM Educators' Association Executive Board

University of Tennessee at Chattanooga

2006 Attendee, NCATE Standards 1& 2 Training, Washington, DC.
 2006 Attendee, NSTA Conference and NCATE Training,
 Anaheim, CA.
 2010 Reviewer, Robert Noyce Scholarships, Washington DC.

Regional/State Professional Organizations

2017-2021 Reviewer and presenter, Southwest Educational Research Association.
 2017-2021 Session Facilitator, Southwest Educational Research Association.
 2018-2019 Reviewer, Texas 21st Century Community Learning Centers, Cycle 10, Year 1.

University of Tennessee at Chattanooga

2006-2007 Member, Teacher Quality Task Force, TN State Board of Education.
 2006-2007 Science Supervisor, Alternate Certification
 2007 Attendee, Tennessee's Next Generation Tools for Teaching Standards-Based
 Science Training.
 2007 Attendee, Teachers for a New Era Training, Chicago.
 2010 Member, TN STEM Innovation Network.
 2011-2013 Executive Member, STEM Leadership Council, Middle Tennessee State
 University.

Workshops/In-service Presentations

University of Tennessee at Chattanooga

& Kuhn, S. (2012). UTeaChattanooga: Why a replication at UTC? Chattanooga Community Foundation, Chattanooga, TN

. (2011). UTeaChattanooga. Chattanooga State Technical College education department, Chattanooga, TN.

. (2011). UTeaChattanooga, UTC Math Colloquium, Chattanooga, TN.

. (2011). UTeaChattanooga, Chattanooga State Technical College science and mathematics departments, Chattanooga, TN.

(2009). Sc9 refa, CW2 d (e)4 1ohops, CWats oW2 c4 (n)-49BDC [(.)-4 S-2 (t)-(a)4A(.)]TRto822 (, w 287.5

- Cowan, K. & (2008). Differentiating reading across the curriculum. THEC workshop, Nashville, TN.
- (2008). Diversity and equity in education. ESL Summer Institute, UTC, Chattanooga, TN.
- (2007). Diversity and equity in education. ESL Summer Institute, UTC, Chattanooga, TN.
- (2007). Hands-on science for teachers of grades 3-5. Hamilton County Board of Education, Chattanooga State Technical School, Chattanooga, TN.
- . (2007). Multiculturalism and diversity. ESL Summer Institute, UTC, Chattanooga, TN.
- (2007). Differentiation in science workshop. UTC, Chattanooga, TN.
- . (2007). The special needs of ESL students. Dalewood/Brainerd PDS students, UTC, Chattanooga, TN.
- . (2006). Teaching science to special needs students. Special Education Summer Institute, UTC, Chattanooga, TN.
- . (2006). Diversity and equity in education. ESL Summer Institute, UTC, Chattanooga, TN.
- . (2006). Utilizing dispositions in the secondary classroom: Organization and advanced planning. Student teacher meeting. UTC, Chattanooga, TN.
- . (2006). ESL Issues. Dalewood PDS students, UTC, Chattanooga, TN.
- . (2006). ESL Issues. 21st Century Academy PDS students, UTC, Chattanooga, TN.
- . (2007). ESL Issues. 21st Century Academy PDS students, UTC, Chattanooga, TN.
- . (2007). ESL Issues. 21st Century Academy PDS students, UTC, Chattanooga, TN.

NSTA/ASTE: The role of instructional materials in science teacher education. 11/18/22. 1 hour.

AERA: Introduction to qualitative meta--

			instruction in Louisiana Guidebook units. COMPLETE
Cheremie, Stephanie	2021	CM	
Clifton, Jessica	2023	MP	Exploring the impact of theatre arts integration on reading comprehension in fourth grade students: A qualitative study
Couch, Jason	2022	MP	
Coyle, Eleni	2021 - complete	MP	STEM college and career self-efficacy and persistence of graduates of a multi-year high school science research program: A mixed methods study COMPLETE
Dalton, Caitlin	2019	MP	Reflective portfolio approach to middle grades writing assessment.
De Avies, Patricia	2024	CM	
DiBenedetto, Adam	2023	MP	
Dominguez, Angela	2024	CM	
Douglas, Leah	2019	CM	
Ellis, Lauren	2019	MP	Understanding Parental Involvement by Examining the Perceptions and Experiences of Parents in K12 Schools: A Qualitative Study
Ezell, Carla	2024	CM	
Faber, Jill	2021	CM	School counselors' experiences with career counseling curriculum: A phenomenological study
Finnegan De Mol, Malia	2024	CM	
Foster, Angella	2020	CM	
Franklin, Connor	2021 – 2023	MP	An exploration of the perspectives of secondary educators on the importance of teacher attire. COMPLETE
Garcia, Kimberly	2023	MP	
Gardner, Ashlee	2018	CM	
Gates, James	2020	MP	A psychological approach to aesthetics and color theory for curriculum and instruction development.
George, Katherine	2019	CM	
Grace, Sherry	2019-2024	MP	Investigating the relationship between House B 4545 and teacher self-efficacy: A case study of Texas middle schools' implementation and rollout. COMPLETE
Green, Christy	2020	CM	
Griffin, Tanya	2024	MP	
Griswald, Elizabeth	2021 - complete	CM	Assessing social-emotional benefits of collaborative consultation in high school students with specific learning disabilities.
Jordan Haas	2023	MP	
Hansen, Sara	2023	MP	
Hattaway, Rachel	2021	CM	The impact of mentorship on novice teacher retention at a rural northeastern Louisiana public high school: A case study

			the evaluation of curricular decisions in a secondary resource history classroom.
Hider, Amy Budd	2023	CM	Three paper option.
Jackson, Shannon	2019	MP	Investigating the relationship between house bill 4545 and teacher self-efficacy: A case study of Texas middle schools' implementation and rollout.
Jackson, Tonyaneka	2020-2024	MP	The common in Common Core: An investigation of the parallelism in standards aligned middle school math curricula. COMPLETE
Jantzen, Rebecca	2023	MP	
John-Baptiste, Sandra	2024	CM	
Jones, Ashanti	2023	CM	
Kaplan, Chris	2020	CM	
Kennedy, Taylor	2021	CM	
Lang, Jennifer	2024	CM	
LeJeune, Jeannine	2023	CM	
Lewis, Hannah	2024	CM	
Liao, Fangyi	2019	CM	Discovering the factors that influence international faculty to adopt culturally responsive teaching practices in the U.S. higher education classroom.
Lowery, Caitlin	2021	CM	Faces at the bottom of the gap: Counterstories of Black elementary students and their experiences with Whiteman teachers. COMPLETE
Lueders, McKenzie	2020	MP	
Mayrell, Doreen	2023	MP	

2009-2010 Alpha Society President, UTC.
2009 Exceeds Expectations EDO Rating, UTC.
2008 Five Year Service Award, UTC.
2007 Elected to Council of Scholars, UTC.
2007 Institutional Representative for American Association of Colleges for Teacher Education (AACTE).