

Mark H. Newton, Ph.D.
Assistant Professor, Science Education
East Carolina University
Greenville, NC 27858-4353

Education

Doctor of Philosophy in Curriculum and Instruction, Science Education, University of South Florida, Tampa, FL., December 2016.

Dissertation: A Longitudinal Examination of an SSI-Embedded Experiential Environmental Education Course and Environmental Behaviors

Master of Education in Earth Sciences, Pennsylvania State University, University Park, PA., August 2010.

Bachelor of Science, State University of New York at Fredonia, Fredonia, NY.
Elementary Education, minor in Geosciences, May 1999.

Professional Employment

2019 – current **East Carolina University, Greenville, NC;** Assistant Professor of Science Education; Graduate Faculty member. Primary responsibilities include teaching undergraduate and graduate level courses.

Instructor for the following undergraduate courses:

- **SCIE 2123** Early Experiences for the Prospective Teachers
- **SCIE 3216** Teaching Science in the Elementary School (traditional and online)
- **SCIE 3606** Investigations in Earth and Space Science
- **HNRS 2014 002** From Barriers to Agency: Stakeholder Conversations and Field Experience Exploring Impacts of Climate Change on North Carolina Barrier Islands (experiential course)

Instructor for the following graduate courses:

- **SCIE 6005** Advanced Studies in Earth Systems Science for Educators (online)
- **SCIE 6310** Advanced Methods in Science Teaching and Learning (online)
- **SCIE 6020** Perspectives on Science Education (online)

2017 – 2019 **California State University, Chico, Chico, CA;** Assistant Professor of Science Education. Primary responsibilities include teaching undergraduate courses.

Instructor for the following undergraduate courses:

- **SCED 343** Concepts in Environmental Science
- **GEOS 400** Big Chico Creek Watershed Tour

- 2014 – 2017** **University of South Florida, Tampa, FL; Instructor**
Graduate teaching of core courses in curriculum and instruction
- Instructor for the following undergraduate courses:
- **SCE 3610** Elementary Science Methods
- **SCE 4305** Reading and Communication in the Science Classroom
- 2015 – 2017** **University of South Florida, Tampa, FL; Learning and Development Facilitator**
Designed and facilitated nationally certified curriculum used to train academic tutors from across campus; Designed and facilitated support program for students in need of academic support; Provide feedback to graduate assistants and tutors; Participated in administrative team meetings to develop and department policy
- Instructor for the following undergraduate courses:
- **REA 2604** Strategic Learning
- 2009 – 2014,
2020 - current** **Longwood University, Farmville, VA; Adjunct Faculty**
Collaborated with an interdisciplinary team to design curriculum; Developed and maintained a hybrid teaching model
- Instructor for the following undergraduate courses:
- Exploring Science in Our World
- Socioscientific Approaches to Complex Challenges
- 2013 – 2014** **University of South Florida, Tampa, FL; Teaching Assistant**
Assisted with teaching of core curriculum courses
- Instructor for the following courses:
- **SCE 3610** Elementary Science Methods
- **SCE 4320/5937** Middle/Secondary Science Methods (Undergraduate/Masters)
- **SCE 4305** Reading and Communication in the Science Classroom
- 2012 – 2013** **University of South Florida, Tampa, FL; Intern Supervisor**
Provided guidance and support for university interns in their final semester; Critiqued teaching practices; Counseled undergraduates regarding educational and professional goals; Maintained thorough records of student attendance and grades; Maintained regularly scheduled office hours to advise and assist students

2003 – 2012 **Liberty Middle School, Tampa, FL;** 7th and 8th Science Teacher
Co-taught Exceptional Students in Comprehensive Science; Taught Gifted students in High School Physical Science; Used Middle School Model to instruct; Collaborated with Language Arts teachers to use literature circles in the science classroom; Chaired committee to support male students academically and socially; Advisor for FIRST Lego Robotics team; Participated in the Continuous Improvement Model; Implemented differentiated instruction in the classroom

1999-2003 **Newton-Conover Middle School, Newton, NC;** 7th Grade Math and Science Teacher
Co-taught Exceptional Students in Science and Math; Taught Gifted Math and Science; Used the Middle School Model to instruct; Served as baseball and basketball coach; Acted as principal of summer school

Scholarly Activities

Refereed Journal Publications

10. **Newton, M.H.**, Annetta, L. (under review). The influence of extended reality on climate change education. Submitted to *Science & Education*. **Impact factor: 2.921**
9. Lee, T., Lee, C., **Newton, M.**, Gallagher, J., Vos, P., Dickerson, D., & Regenthal, C. (accepted). Rehearsal contexts (peer to peer vs. virtual rehearsal simulation): Elementary teacher candidates scientific discourse skills explored. Submitted to the *Journal of Science Teacher Education*.
Impact factor: 1.438
8. **Newton, M.H.**, Annetta, L, Bressler, D. (under review). Extended reality technologies within a socioscientific issues unit on climate change. Submitted to *Journal of Science Education and Technology*. **Impact factor: 3.419**
7. **Newton, M.H.** (in press). Using a socioscientific issues approach in an undergraduate environmental science course. *Journal of College Science Teaching*. **Impact factor: 1.438**
6. Lee, T., **Newton, M.**, Glass, B. (2021). Elementary science teachers adapt their practice during a pandemic. *Journal of Interdisciplinary Teacher Leadership*, 5(1), 1-22.
<https://doi.org/10.46767/kfp.2016-0034>
5. Herman, B.C., **Newton, M.H.**, Zeidler, D.L. (2021). Impact of socioscientific issues instruction on students' conceptualizations about contentious Greater Yellowstone Area environmental issues. *Science Education*, 105(4), 585-627.
Impact factor: 6.000
4. **Newton, M.H.**, Zeidler, D.L. (2020). Developing socioscientific perspective taking. *International Journal of Science Education*, 42(8), 1302-1319.
<https://doi.org/10.1080/09500693.2020.1756515>. **Impact factor: 2.710**

3. Herman, B.C., Owens, D.C., Oertli, R.T., Zangori, L.A., **Newton, M.H.** (2019). Exploring the complexity of students' scientific explanations and associated nature of science views within a place-based socioscientific issues context. *Science & Education*, 28(3-5), 329-366. **Impact factor: 2.710**
2. Herman, B. C., Zeidler, D. & **Newton, M. H.** (2018). Students' emotive reasoning through place-based environmental socioscientific issues. *Research in Science Education*, 50(5), 2081-2109. <https://doi.org/10.1007/s11165-018-9764-1>. **Impact factor: 3.918**
1. Zeidler, D.L., Herman, B.C., Clough, M.P., Olson, J.K., Kahn, S., **Newton, M.** (2016). Humanitas Emptor: Reconsidering recent trends and policy in science teacher education. *Journal of Science Teacher Education*, 27(5), 465-476. <https://doi.org/10.1007/s10972-016-9481-4>. **Impact factor: 1.438**

Refereed Book Chapters

4. **Newton, M.H.**, Kinskey, M. (2021). The association between course context and preservice teachers' perceptions of SSI instruction. In W. Powell (Ed.), *Socioscientific issues-based instruction for scientific literacy development*. Hershey, PA: IGI Global.
3. Powell, W., **Newton, M.H.**, Zeidler, D. (2021). Impact of socioscientific issues on middle school students' character and values for global citizenship. In W. Powell (Ed.), *Socioscientific issues-based instruction for scientific literacy development* (192-222). Hershey, PA: IGI Global.
2. Herman, B. C., Sadler, T. D., Zeidler, D. L., & **Newton, M.** (2018). A socioscientific issues approach to environmental education. In G. Reis, & J. Scott (Eds.), *International perspectives on the theory and practice of environmental education: A reader* (145-162). Cham, Switzerland: Springer.
1. Zeidler, D.L., **Newton, M.H.** (2017). Using a socioscientific issues framework for climate change education: An ecojustice approach. In D. Shepardson, A. Roychoudhury, & A. Hirsch (Eds.), *Teaching and learning about climate change: A framework for educators* (56-65). New York, NY: Routledge.

Grant Service

5. Gallagher, J., & **Newton, M.H.** (2023). *Integrating socio-scientific competencies into civic online reasoning (SSCOR)*. Agency: National Science Foundation. Amount Requested: \$399,092 (under review). Role: Co-Principal Investigator
4. **Newton, M.H.**, Annetta, L., Lee, T. (2022). *Teachers and students uniting coastal neighborhoods by developing augmented reality models about innovated careers (TSUNAMI)*. Agency: National Science Foundation. Amount Requested: \$1,299,436 (Not Funded). Role: Principal Investigator

3. **Newton, M.H., & Annetta, L.** (2022). *Multiplayer virtual reality simulations to increase underserved middle school and high school students in environmental science*, Agency: National Science Foundation. Amount Requested: \$449,981 (Not Funded). Role: Principal Investigator
2. Ding, Q., Annetta, L., Moore, S., **Newton, M.**, Wu, R., Yao, J., Zhu, Z. (2021). *Mixed-reality incorporating scientific representations of relevant issues for rural students and teachers (MIRRORS)*, Agency: National Science Foundation. Amount Requested: \$1,450,044 (Not Funded). Role: Co-Principal Investigator
1. **Newton, M.H., & Annetta, L.** (2021). *Multiplayer virtual reality simulations to increase underserved students in environmental science*. Agency: National Science Foundation. Amount Requested: \$449,792 (Not Funded). Role: Principal Investigator

Refereed Conference Presentations

30. Kinsky, M., **Newton, M.** (2023). Teacher candidates' views of socioscientific issues instruction in k-12 classrooms. To be presented at the 2023 American Science Teachers Association National Conference, Salt Lake City, UT, January 11-14.
29. **Newton, M. H.**, Annetta, L., Bressler, D., M. (2023). Using extended reality technologies within a socioscientific issues unit on climate change. To be presented at the at the 94th Annual Meeting of NARST: A worldwide organization for improving science teaching and learning through research, Chicago. April 18-21.
28. **Newton, M. H.**, Annetta, L., Bressler, D., M. (2023). Climate change on the Outer Banks: Embedding low-cost mobile technology in socioscientific issues Instruction. To be presented at the 2023 American Science Teachers Association National Conference, Salt Lake City, UT, January 11-14.
27. Annetta, L., **Newton, M.H.** (2022). Investigating mixed reality's influence on climate change in an undergraduate science education course. Presented at the 2022 International Conference on Higher Education Learning Methodologies and Technologies Online (HELMeTO), Palermo, Italy, September 21-23.
26. Lee, C., Lee, T., **Newton, M.**, Gallagher, J., Vos, P., Dickerson, D. (2022). Virtual rehearsal simulations – Comparison of elementary teacher candidates' elicitation of student thinking. Presented at the 2022 American Educational Research Association Annual Meeting. San Diego, CA. April 21-26.
25. Lee, C. W., Gallagher, J. L., Dickerson, D. L. L., Vos, P., Lee, T. D., & **Newton, M. H.** (2022). *Virtual rehearsal simulations—Comparison of elementary teacher candidates' elicitation of student thinking*. Presented at the American Educational Research Association, San Diego, CA. April 21-26.

24. **Newton, M.H.**, Herman, B.C., Zeidler, D.L. (2021). Doing battle with the dragons of inaction: Place-based SSI and pro-environmental behaviors. Presented at the 93rd Annual Meeting of NARST: A worldwide organization for improving science teaching and learning through research, Virtual Conference, April 7-10.
23. **Newton, M.H.** (2021). Admin Symposium – Socioscientific issues-based instruction for scientific literacy development. Presented at the 93rd Annual Meeting of NARST: A worldwide organization for improving science teaching and learning through research, Virtual Conference, April 7-10.
22. Lee, T, Lee, C., **Newton, M.**, Vos, P., Gallagher, J., & Dickerson, D. (2021). Rehearsal contexts (peer to peer vs. virtual rehearsal simulation): Elementary pre-service teachers’ scientific discourse skills explored. Presented at the American Educational Research Association Annual Virtual Conference, April 9-12.
21. Kinsky, M. and **Newton, M.H.** (2021). Teacher candidates’ perceptions of socioscientific issues-based instruction. Presented at the American Educational Research Association Annual Virtual Conference, April 9-12.
20. Brown, A., **Newton, M.** (2020). The phases of virtual reality: A collaborative inquiry between science education and instructional technology faculty. Presented at the 2020 AECT International Conventions, Jacksonville, FL, November 2-7.
19. **Newton, M.H.**, Zeidler, D.L. (2020). Developing socioscientific perspective taking. Paper Accepted for Presentation at the 92nd Annual Meeting of NARST: A worldwide organization for improving science teaching and learning through research, Portland, Oregon. (Conference Canceled).
18. Zeidler, D.L., Herman, B.C., **Newton, M.H.** (2019). Admin Symposium – Socioscientific contexts and environmental education curriculum materials for k-18 educators. Presented at the 2019 NARST Annual International Conference in Baltimore, MD, March 30 - April 2.
17. **Newton, M.H.**, Zeidler, D.L. (2019). Promoting perspective taking in an undergraduate environmental science course. Paper presented at the Annual Meeting of the Association of Science Teacher Education, Savannah, GA, January 2-5.
16. **Newton, M.H.** (2018). Changes to postsecondary students’ engagement with contentious environmental issues after participating in a socioscientific issues-embedded environmental science course. Presented at the Association for Environmental Studies & Sciences 2018 Conference in Washington, D.C., June 20-23.
15. Herman, B.C., Zeidler, D.L., & **Newton, M.H.** (2017). Empathy through place-based environmental socioscientific issues instruction. Paper presented at the Annual European Science Education Research Association Conference in Dublin, Ireland,

August 21 – 25.

14. Herman, B. C., Zeidler, D. L., & **Newton, M.H.** (2017). Developing empathy through place-based environmental socioscientific issues. Paper presented at the 2017 NARST Annual International Conference in San Antonio, Texas, April 22 – 25.
13. Herman, B.C., Zeidler, D.L., **Newton, M.** (2017). Post-secondary students' empathy expressed through experiencing place-based Yellowstone contentious environmental issues instruction. Paper presented at the Annual Meeting of the Association of Science Teacher Education, Des Moines, IA, January 12-14.
12. **Newton, M.**, Herman, B., Zeidler, D. (2017). Environmental consciousness and behavior development through experiential SSI instruction. Paper presented at the Annual Meeting of the Association of Science Teacher Education, Des Moines, IA, January 12-14.
11. **Newton, M.**, Rasanen, K. (2016). Increased self-efficacy using whiteboards. Presented at National College Learning Center Association 31st Annual Conference, Tampa FL, October 28 – November 1.
10. **Newton, M.** (2016). Effective tutor-student interaction patterns to facilitate self-directed learning. Presented at the Florida College Learning Center Association 3rd Annual Conference, Orlando, FL April 7-8.
9. **Newton, M.**, Herman, B.C., Zeidler, D.L (2016). Longitudinal association between an SSI-embedded experiential environmental education course and environmental behaviors. Paper presented at the Annual Meeting of the Association for Science Teacher Education, Reno, NV, January 7-10.
8. Herman, B.C., **Newton, M.** (2016). Perspectives regarding contemporary media's impact of science teaching and learning. Paper resented at the Annual Meeting of the Association for Science Teacher Education, Reno, NV, January 7-10.
7. Herman, B.C., **Newton, M.** (2016). Influence of terminology and science learning experiences on secondary students' perceptions of and willingness to mitigate global warming and climate change. Poster session presented at the 89th Annual Meeting of NARST: A worldwide organization for improving science teaching and learning through research, Baltimore, MD, April 14-17.
6. **Newton, M.**, Herman, B.C., Zeidler, D.L (2015). Conceptual change in post-secondary students enrolled in an experiential environmental course embedded with socioscientific issues instruction. Presented at the Annual Meeting of the Association for Science Teachers Education, Portland, OR, January 7-10.

5. Herman, B.C., **Newton, M.**, Zeidler, D.L. (2015). Impact of socioscientific issues instruction on students' conceptions about contentious Greater Yellowstone Area environmental issues. Paper presented at the 88th Annual Meeting of NARST: *A worldwide organization for improving science teaching and learning through research*, Chicago, IL, April 11-14.
4. **Newton, M.**, Herman, B.C., Zeidler, D.L. (2014). Bridging the gap between environmental education and socioscientific issues. Paper presented at the Annual Meeting of the Association for Science Teachers Education, San Antonio, TX, January 10-14.
3. Fink, A.D., **Newton, M.**, Blakely, J. (2013). LU@YNP: Transcending compartmentalization of GE through a pedagogy of place. Presented at the American Democracy Project and The Democracy Commitment National Meeting, Denver, CO.
2. Richardson, E., McGuire, J., Rubio, E., **Newton, M.**, Hardwig, M., Kraft, R. (2012). Using Earthscope data to engage teachers in research. Poster presented at the Annual Meeting of the American Geophysical Union, San Francisco, CA, December 9-12.
1. Richardson, E., McGuire, J., Rubio, E., **Newton, M.** (2009). Earthquake swarms and aseismic transients. Poster presented at the Annual Meeting of the American Geophysical Union National, San Francisco, CA, December 13-17.

Manuscripts in Progress

5. **Newton, M.H.**, & Olvey, C.*. An ENA analysis of students' conceptualizations of SSI after engaging in place-based instruction.
4. Kinskey, M, & **Newton, M.H.** Teacher candidates' views of socioscientific issues-based instruction in K-12 classrooms.
3. **Newton, M.H.** In their own words: Student experiences. In J. Pederson, H. Lettner-Rust, & A. Fink (Eds.) *The Role of Domestic Explorations in Developing Critical, Engaged Citizens*.
2. **Newton, M.H.** Leaving a trace: Students (from across campus) talking About projects they completed. In J. Pederson, H. Lettner-Rust, & A. Fink (Eds.) *The Role of Domestic Explorations in Developing Critical, Engaged Citizens*.
1. **Newton, M.H.**, Herman, B.C., Zeidler, D.L. Place-based SSI instruction

and overcoming barriers of inaction toward pro-environmental behaviors. To be submitted to *Science Education*

* = student

Grant Service in Progress

1. Annetta, L., Chalchart, H., Cayton, C., Doster, E., Moore, S., **Newton, M.H.**, Thompson, A., Schwartz, C. (2022). *NOYCE Track 3*. Agency: National Science Foundation. Role: Co-Principal Investigator

Service

Department

12. Graduate Recruitment Fair, East Carolina University, Fall 2022
11. Search Committee member, MSITE, East Carolina University, Fall 2022
10. Search Committee member, MSITE, East Carolina University, Spring 2022
9. Graduate Recruitment Fair, MSITE, East Carolina University, Fall 2021.
8. Department Personnel Committee, MSITE, East Carolina University (2021-2023)
7. Department Bulletin Boards and Displays Committee, MSITE, East Carolina University (2019-2023)
6. Department Social Committee, MSITE, East Carolina University (2019-2023)
5. iTech Recruitment Event, MSITE, East Carolina University (2019)
4. Fall Faculty Retreat Presentation on Virtual Reality and Tilt Brush Software, MSITE, East Carolina University (2019)
3. Department of Science Education Curriculum Committee member, CSU, Chico (2017-2019)
2. Department of Science Education Policies and Procedures Committee member, CSU, Chico (2017-2019)
1. Search Committee member, CSU, Chico (2018)

College

4. College of Education, Peer Observer, East Carolina (2022-present)
3. College of Education New Faculty Orientation presenter, East Carolina University (2021)
2. College of Education Curriculum Committee member, East Carolina University (2020-

2022)

1. Floyd L. English Natural Sciences Scholarship Committee, CSU, Chico (2018)

University

8. Honors College Research Fair presenter, East Carolina University (2022)
7. Graduate School Appeals Committee member, East Carolina University (2022-2023)
6. Liberal Studies Curriculum Redesign Committee member, CSU Chico (2017-2018)
5. Center for Water and the Environment Faculty Associate, CSU Chico (2017-2019)
4. Mathematics and Science Teacher Initiative Scholarship Committee, CSU Chico (2018-2019)
3. Commencement Marshal, CSU, Chico (2018)
2. Search Committee member, University of South Florida, Academic Success Center (2017)
1. Search Committee member, University of South Florida, Academic Success Center (2016)

Professional

13. NARST Social Media, Website, & Communications Committee member (2022-2024)
12. Advisory Board member, NSF DRK-12 grant, *Socioscientific Issues - Journey to Understanding STEM Teaching Through Integrated Contexts in Everyday Life (SSI-JUSTICE)* (2022-2025)
11. NARST Welcome Presentation Co-Chair (2022)
10. Proposal Reviewer, NARST (2021)
9. NARST Membership Committee member (2020-2022)
8. Peer Reviewer International Journal of Science and Mathematics Education (2019 – current)
7. Peer Reviewer Journal of Research in Science Teaching (2019 - current)
6. National Science Teachers Association Chico Chapter Faculty Advisor (2017-2019)
5. Presenter: Transitioning to Co-Requisite Mathematics/Quantitative Reasoning Webcast Series: Modeling with Mathematics in Co-requisite College Algebra, The California State University Office of the Chancellor (2018)

4. Proposal Reviewer, Association of Science Teacher Educators (2017)
3. Undergraduate Honors Thesis Advisor, University of South Florida, (2016-2017)
2. Proposal Reviewer, Association of Science Teacher Educators (2015)
1. Proposal Reviewer, National Association of Research in Science Teaching (2015)

Workshops and Invited Lectures

18. Newton, M.H. (2022) (Invited Lecture). Implementing SSI in an undergraduate environmental science course to promote perspective taking. College of Education, University of South Florida.
17. Newton, M.H. (2021) (Invited Lecture). Using virtual reality in the science classroom to resolve controversial issues. ECU NOYCE Scholars, College of Education, East Carolina University.
16. Newton, M.H. (2021) (Invited Lecture). Socioscientific perspective taking and mixed reality SSI. College of Education Graduate School, University of South Florida.
15. Newton, M.H. (2020) (Invited Lecture). Developing socioscientific perspective taking. College of Education Graduate School, University of South Florida.
14. Newton, M.H. (2020) (Invited Lecture). The association between course context and preservice teachers' perceptions of SSI instruction. East Carolina University College of Education Research and Creative Activity (Lecture Canceled)
13. Newton, M.H. (2019). (Invited Lecture). Facilitating perspective taking in an environmental science course using a socioscientific issues framework. Symposium on K-12 Science Education: Exploring Multiple Frameworks to Transform the Classroom. California State University, Chico, Chico, CA.
12. Newton, M.H. (2018). (Panel Participant). Remembering your first year. Office of Faculty Development and Excellence. California State University, Chico, Chico, CA
11. Newton, M.H. (2018). (Invited Lecture). Wolf reintroduction and management in Yellowstone National Park: The math behind the science. Math 300 Undergraduate Mathematics Seminar. California State University, Chico, Chico, CA.
10. Newton, M.H. (2018). (Invited Lecture). Teaching environmental science through contentious environmental issues. The Department of Biological Sciences Omicron Seminar Series. California State University, Chico, Chico, CA.
9. Newton, M.H. (2017). (Workshop). Introduction to the Let Me Learn process. College of

Education, University of South Florida, Tampa, FL.

8. Newton, M.H. (2017). (Invited Lecture). Implementing the socioscientific issues framework when designing curriculum for environmental science. Lowth Entrepreneurship Center, University of Tampa, Tampa, FL.
7. Newton, M.H. (2017). (Invited Lecture) Ontological and epistemological changes throughout my dissertation process. College of Education, University of South Florida, Tampa, FL.
6. Newton, M.H. (2017). (Invited Lecture) Introduction to the nature of science. Office of Undergraduate Research. University of South Florida, Tampa, FL.
5. Newton, M. H. (2017). (Workshop) Introduction to the Let Me Learn process. University of South Florida Library. University of South Florida, Tampa, FL.
4. Newton, M. H. (2017). (Workshop) Introduction to the Let Me Learn process. Office of Advising. University of South Florida, Tampa, FL.
3. Newton, M. H. (2017). (Invited Lecture) Considering metacognitive strategies when designing peer undergraduate workshops. Office of Undergraduate Research, University of South Florida, Tampa, FL.
2. Newton, M. (2017). (Invited Lecture) Designing effective presentations using constructivist and developmental learning theories. College of Education, University of South Florida, Tampa, FL.
1. Newton, M. (2016). (Invited Lecture). The role of a socio-constructivist philosophy in experiential environmental education. Philosophies of Inquiry, College of Education, University of South Florida, Tampa, FL.

Community

5. School District of Hillsborough County (guest speaker). Great American Teach In. School Tampa, FL. November 18, 2021.
4. Pitt County Elementary Science Olympiad (judge). March 14, 2020 (event canceled)
3. Farmville Middle School AVID (guest speaker). My college experience and what I expect of my college students. January 10, 2020.
2. ABC Action News Now (interview). Wolves return to California to rancher's dismay. October 30, 2017.
1. Hooker Oak Elementary School (guest speaker). Wolves in northern California. Chico,

CA, March 2019.

License and Certifications

Professional Educator's License for the State of North Carolina

Professional Educator Certificate for the State of Florida
University of South Florida Safe Zone Ally Certification

College Reading and Learning Association Level 3 Tutor Certification

College Reading and Learning Association Level 1 Mentor Certification

Honors and Awards

NTLI Fellowship Award finalist, 2023

College of Education Scholar Teacher Award nominee, East Carolina University, 2023

College of Education Research and Creative Activity Featured Research, East Carolina University, 2019-2020

Myles Tracey Outstanding Faculty Advisor Award nominee, CSU, Chico, 2017-18

Bollack Family Endowed Scholarship recipient, University of South Florida, 2013

Science Teacher of Excellence nominee, School District of Hillsborough County, 2008-2009

Teacher of the Year nominee, School District of Hillsborough County, 2007-2008

Honeywell Corporation Educators in Space Scholarship recipient, 2007