



**Curriculum Vita
August 2025**

Instructor: Allen E. Hillegas M.S. Physics
Academic Department: College of Innovation and Design
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East Texas A&M University Addresses:

Main Campus: PO Box 3011, Commerce, TX 75429-3011

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EDUCATION

*Masters of Science in Mathematics
East Texas A&M University, 2026
Masters of Science in Physics
East Texas A&M University, 2022
Bachelors of Science in Physics
East Texas A&M University, 2020
Associate of Science in Physics
Navarro College, 2013*

TEACHING EXPERIENCE

*May 2025 – Present Adjunct Faculty, East Texas A&M University,
Contemporary Mathematics, College of Innovation and Design
March 2023 – December 2024, Adjunct Faculty, Navarro College, Adult Education &
Literacy Developmental Math
March 2023 – August 2024, Adjunct Faculty, East Texas A&M University,
Environmental Science, College of Innovation and Design.
August 2020 – August 2022, Graduate Assistant Teacher, East Texas A&M University
Physics Department, Optics and University Physics Lab, Assistant instructor of
Integrated Science (IS 1317)*

PROFESSIONAL EXPERIENCE

February 2025 – Present, Professional Tutor, Pierce Institute for Academic Excellence (Ft. Worth)

August 2017 – August 2020, Professional Tutor, TRIO Student Support Services, East Texas A&M University

October 2014 – August 2017, Professional Tutor, TRIO Student Support Services, Navarro College, Corsicana, Tx

Offered tutoring services in a broad spectrum of STEM subjects (mathematics, physics, chemistry, engineering, etc.) Provided continuous tutoring support through online platforms.

Retail And Industry Experience

April 2025 – Present, Miner Maintenance Technician, Riot Platforms Corsicana, LLC

January 1988 – January 2016, Stock-worker, Walmart Stores Inc

Overnight Supervisor, Department Manager, Forklift Driver, Stock Worker, and Sales Clerk over a 28-year tenure. Developed exceptional organizational abilities in overseeing departmental operations, managing stock, and coordinating logistical processes. Utilized strong communication skills to lead teams, train staff, and provide customer service across various levels of responsibility.

PUBLICATIONS

Chourasia, A. R., & Allen Hillegas, A. E. (2021). Analysis of tin and tin oxide by x-ray photoelectron spectroscopy. Surface Science Spectra, 28(1), 014003.

<https://doi.org/10.1116/6.0000528>

Allen E Hillegas (2022). Interfacial Reaction Between Tin and Copper Oxide Investigated By x-ray Photoelectron Spectroscopy [Masters dissertation, East Texas A & M University]. ProQuest Dissertations Publishing.

Chourasia, A. R., & Allen Hillegas, A. E. (2023). Chemical reactivity at Sn/CuO interface investigated by X-ray photoelectron spectroscopy. Vacuum, 207, 111598.

<https://doi.org/10.1016/j.vacuum.2022.111598>

RESEARCH GRANTS AND AWARDS

June 1.2020 – August 14. 2020, Analysis of Tin and Tin Oxide by X-ray Photoelectron Spectroscopy, McNair Scholars Program, \$2500