

## William L. Eubanks III

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University of South Carolina Beaufort  
1 University Blvd.  
Bluffton, SC 29909  
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**Professional Appointments**      *Instructor, Chemistry*      2025–present  
University of South Carolina Beaufort, Bluffton, SC

**Education**      *Ph.D., Chemistry*      2025  
University of Nevada, Reno, Reno, NV

- Research advisor: Brian J. Frost
- Dissertation: Development and Catalytic Applications of Ruthenium(II) Complexes of PTA (1,3,5-triaza-7-phosphaadamantane)

*B.S., Chemistry*      2019  
University of Kentucky, Lexington, KY

- Research advisor: Susan A. Odom
- Project: Synthesis of organic electrolytes for non-aqueous redox flow batteries

**Teaching Experience**      *Instructor, Chemistry*      2025–present  
University of South Carolina Beaufort, Bluffton, SC

- Wrote new lecture curriculum to align with ACS standards
- Designed laboratory materials to increase experiment success rate and enforce lecture concepts
- Supervised honors capstone project: 1 student (MJ Bray, Fall 2025)
- Supervised independent study project: 1 student (Matty Holt, Spring 2026)

Semester	Course		Enrollment
Spring 2026	CHEM 111L	General Chemistry I Laboratory	11
Spring 2026	CHEM 333	Organic Chemistry I	75
Spring 2026	CHEM 331L	Organic Chemistry I Laboratory	37
Fall 2025	CHEM 334	Organic Chemistry II	61
Fall 2025	CHEM 332L	Organic Chemistry II Laboratory	60

*Graduate Teaching Assistant*      2019–2025  
University of Nevada, Reno, Reno, NV

- Head TA, General Chemistry      2023–2025
  - Responsible for ~50 TAs and ~1200 students per semester
  - Oversaw general and organic chemistry tutoring centers
- Courses co-taught: Chemical Synthesis Lab, Teaching College Chemistry
- Courses TA'd: General Chemistry Lab I & II, Introductory Organic Chemistry Lab, Organic Chemistry Lab

**Service**      *Outreach presenter*      2026–present  
Department of Natural Sciences  
University of South Carolina Beaufort

- Career day, River Ridge Academy, Bluffton, SC (03/18/2026)

*Instructor, Chemistry* 2025–present  
University of South Carolina, Beaufort

- Led acquisition and installation of new infrared (IR) spectrometer for teaching and research use (01/2026)
- Completed full reorganization of teaching-lab storage systems, including student glassware drawers (12/2025)

*Outreach presenter* 2022–2025  
Chemistry Demonstration Program  
University of Nevada, Reno

- Performed simple, safe demonstrations of chemistry principles for K–12 students
- Managed acquisition, storage, and transportation of chemicals and supplies
- Recruited and trained new graduate and undergraduate volunteers
- Brought science education to Native communities in Northern Nevada

*Vice President* 2020–2024  
Chemistry Graduate Student Association  
University of Nevada, Reno

- Organized and executed sales of lab coats and goggles for chemistry laboratories

**Research  
Interests**

- Air-stable organometallic chemistry
- Synthesis of new water-soluble phosphine ligands
- Aqueous and biphasic catalysis
- Half-sandwich ruthenium complexes

**Awards**

- Excellence in Teaching Award, UNR Department of Chemistry (2021)
- Outstanding Graduate Teaching Award, UNR Department of Chemistry (2020)
- Eagle Scout, Troop 252, Marietta, GA (2014)

**Publications**

1. Ounkham, W. L.; **Eubanks, W. L.**; Lee, W.-C.; Frost, B. J. Water-Soluble and Air-Stable *P,N*-Pyridyl Ligands Derived from 1,3,5-Triaza-7-Phosphaadamantane. *Eur. J. Inorg. Chem.* **2025**, 2500037.
2. Perera, A. S.; Suduwella, T. M.; Attanayake, N. H.; Jha, R. K.; **Eubanks, W. L.**; Shkrob, I. A.; Risko, C.; Kaur, A. P.; Odom, S. A. Large Variability and Complexity of Isothermal Solubility for a Series of Redox-Active Phenothiazines. *Mater. Adv.* **2022**, *3* (23), 8705–8715.
3. Liang, Z.; Attanayake, N. H.; Greco, K. V.; Neyhouse, B. J.; Barton, J. L.; Kaur, A. P.; **Eubanks, W. L.**; Brushett, F. R.; Landon, J.; Odom, S. A. Comparison of Separators vs Membranes in Nonaqueous Redox Flow Battery Electrolytes Containing Small Molecule Active Materials. *ACS Appl. Energy Mater.* **2021**, *4* (6), 5443–5451.