

Melina Balch
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Education

Miami University Majoring in Chemistry, Minor in Criminology, BS *May 2026*
anticipated graduation. GPA: 3.92 Science GPA: 3.79

- Presidents List (Spring 2023, Fall 2024, Spring 2025)
- Dean's List (Fall 2022, Fall 2023, and Spring 2024)

Clubs and Activities

- Miami Chemical Society (Spring 2023-Present)
- Bridges Scholars Program (Fall 2022-Present)
- Forensics and Criminology Club (Fall 2024- Present)

Relevant Coursework

- Organic Chemistry I, Organic Chemistry II
- Calculus I, Calculus II
- Fundamentals of Biochemistry
- Analytical Chemistry

Work Experience

June 2025– July 2025

STEM Education Intern (Lavner Education)

- Prepared and presented educational content
- Worked with a team of educational staff to coordinate and improve education practices
- Assisted children ages 7-12 with their STEM education
- Presented daily to a team of education staff on daily activities and expectations

January 2023– present

Undergraduate Research Assistant (Miami University, Dr. Andrea Kravats)

- 400+ hours of independent research
- Data analysis (Excel and GraphPad)
- Gel analysis
- Protein purification using AKTA, microcentrifuge techniques, fraction collector, and microplate reader
- Absorbance assays (LS and DLS)