

Megan G. Desmet

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EDUCATION

University of Scranton, Scranton PA

Master of Science in Clinical Chemistry | expected May 2028

University of Scranton, Scranton PA

Bachelor of Science in Biochemistry, Cell, and Molecular Biology | May 2026

GPA: 3.70 | Magna Cum Laude

ACADEMIC HONORS

- University of Scranton Dean's List
- University of Scranton Academic Awards: Loyola Scholarship Recipient, Xavier Grant Recipient, Redington General Scholarship Recipient

RESEARCH

Catino Group Organic Chemistry Laboratory University of Scranton

Undergraduate Research Intern | May 2025-August 2025

- Observed organic synthesis techniques, including inert-atmosphere reactions using gas balloons
- Independently synthesized sesamol, contributing purified material for ongoing student research projects
- Learned and applied purification methods:
 - Column chromatography, collecting and analyzing multiple fractions to isolate target compounds
 - Thin layer chromatography under UV light to monitor reaction progress and assess product purity
 - Rotary evaporation to remove solvents and concentrate purified products

TEACHING EXPERIENCE

University of Scranton, Department of Chemistry - Scranton, PA

Graduate Assistant, Organic Chemistry Laboratory | August 2026-Present

- Guide students through experimental procedures, use of laboratory equipment, data collection, and interpretation of results
- Reinforce laboratory safety protocols, proper chemical waste disposal, and accurate experimental documentation

COLLEGIATE LAB EXPERIENCE

General Biology I & II, General Chemistry I & II, Organic Chemistry I & II, Cellular Biology, Molecular Biology, Biotechnology, Molecular Biology, and Analytical Chemistry (current)

LEADERSHIP AND CAMPUS INVOLVEMENT

- University Admissions Tour Guide | May 2025 - present
- University of Scranton Women's Crew Team | August 2023-May 2026
- STEM & Pre-Health Student Panelist | October 2025
- PAW (Prayer & Worship Group) | August 2024 - present