



## Rosemary Maloney

**Rosemary Maloney** is the recipient of the 2023 Pharos of Alexandria Global Learning award for her strong leadership and engagement at local and national levels while prioritizing global education and learning.

Maloney is an undergraduate student at North Carolina State University (NCU) in the Department of Biological and Agricultural Engineering (BAE). She is majoring in biological engineering with a concentration in bioprocessing and minors in French language and biomanufacturing. In her future professional career, she hopes to apply her knowledge to promoting sustainability, specifically creating innovative and sustainable engineering technologies.

Maloney first joined the leadership team of the NCSU ASABE student chapter as an Agri-Life Council representative. In this role, she led the annual fundraiser and a stream cleanup service event. Maloney applied her interest in sustainability and implemented composting and recycling at meetings. More recently, Maloney was elected treasurer of the NCSU ASABE student chapter and president of Alpha Epsilon. As treasurer, she led the incorporation of the club as a 501c3 nonprofit to streamline the appropriations and sponsorship process, and she co-led the annual departmental career fair. She attended the Southeast Regional Rally each year of her college career, and she will help lead the planning of next year's event in her new role as Southeast Regional Treasurer.

Maloney was a member of RuEFORM, a team participating in the 2022 ASABE Bioprocess Startup Competition, which won first place. During the sum-

mer of 2022, Maloney studied abroad in Lille, France at the Université Catholique de Lille, where she took courses in sustainable cities and advanced French.

Throughout her time at NCSU, Maloney has worked as an undergraduate researcher to explore different aspects of biological engineering. During her sophomore year, Rosemary worked on a stream bank erosion model, calibrating it using historical ArcGIS aerial imagery. This past year, she designed and built a scale model of a mechanically ventilated negative pressure swine barn to demonstrate ventilation concepts for producers and educational settings.

In addition to her academic work, Maloney volunteers with the Animal Science Club, Turtle Rescue Team, Dairy Education Unit, prospective BAE student outreach, and Orange County Animal Services. She has worked as a chemistry, calculus, and physics tutor at the NCSU Academic Success Center since her freshman year. She is in the University Honors Program, Society of Women Engineers, Zero Waste Wolves, Le Cercle Français, Raleigh Civic Symphony, NCSU Irish Music Session, and enjoys rock climbing in her free time.