

Savanna Vacek

UNLV

My overall academic goals are to finish my Bachelor's in Civil Engineering and start my Master's in Civil and Environmental Engineering with a focus in water resources. Ultimately, I want to make the world a cleaner, safer, and healthier place for all. I know that I can do this through civil engineering by taking on the challenge of solving the world's most pressing issues such as water shortage and water reuse. My career aspirations are to work for a consulting company that works on projects such as wastewater treatment, water reuse, and pipelines. Thus, my academic goals focus on furthering my education in order to be successful at working on real life projects that will affect thousands of people.

My goals for this research project are to learn more about biochar and how it can be used for DSMD removal. I want to see which type of biochar will work best and at what dosage. I also hope to learn more about water reuse and see how biochar can be used as a replacement for activated carbon in water treatment facilities. I hope to gain more soft skills such as presenting, critical thinking, problem solving, and independence from this experience.