

Shelby Brevogel ('16) found her job through the Rowan Engineering Outreach Office

Shelby Brevogel was born in Mount Holly, NJ and grew up in New Egypt, NJ. Her father started out as mechanical engineer who rose to become a Director of Public Works. Her mother was a nurse and then went back to school and became a teacher of kindergarten through third grade in New Egypt. Both her parents are now happily retired. Her older brother is a nurse.

Shelby graduated from Rowan Civil and Environmental Engineering in 2016. Right after graduation, she traveled to Australia/New Zealand for close to three weeks, and then she started her career with Pepco Holdings Inc. (PHI), at the Delmarva Power office in Newark, DE. She had used the Rowan Engineering Outreach Office¹ to get an internship there the summer before senior year and continued to work part-time throughout her senior year. She started as an Associate Engineer in the Civil Engineering department, supporting steel/concrete design for power substations, which are critical components of the bulk electrical system. Shelby was quickly able to develop as an engineer, seeing projects through from initial scoping to construction. She spent four years in the Civil Engineering department, working her way up to General Engineer, and taking on larger and more complex projects. Along the way, she completed a Master's of Civil Engineering with a Structural focus at Villanova, part-time online.



Shelby later made a big pivot into the financial space at PHI in 2020, rotating into the Investment Strategy group as General and eventually Senior Engineer where she performed monthly financial analyses in support of meeting annual financial targets, and built tools to facilitate prioritization and development of the five-year Long-Range Plan (LRP) for PHI. Shelby was recently promoted within the same department to Principal Business Analyst. She now focuses more on the regulatory space, supporting PHI's various regulatory filings in Delaware and New Jersey. She is also currently working through an online MBA program at the University of Delaware

Shelby loves to travel and scuba dive. She most recently dove the Silfra fissure in Iceland, a bucket list dive experience.

I chose Rowan because it was close to home, affordable, and I had heard excellent things about the engineering program. I chose Civil and Environmental Engineering because it seemed to have the broadest scope and I was unsure about what area I wanted to specialize in. I could do so many things: structural, environmental, transportation, geotechnical, or water resources. I had an interest in designing roller coasters at one point, but I never pursued it seriously.

I loved the small classes at Rowan. We were a community, especially by junior year when we were all working through the most challenging year of the civil engineering curriculum. I am still close friends with four women from my Civil and Environmental Engineering cohort.

I remember Professor Riddell's great whiteboard notes in his classes. Color coded and neat! Professor Mehta's quizzes were challenging. I still remember a lot from them! All the faculty were supportive and challenging. I was very comfortable approaching professors. In senior design, Professor Cleary and Riddell were very helpful even though they weren't teaching the course!

My biggest take away from Rowan was the cross-collaboration, teamwork, and multi-disciplinary experiences. I learned how to work on teams with people that think differently than me. I learned how to develop my written and oral communication skills through the various engineering lab reports and presentations. It prepared me for graduate school and work.

I didn't even know there were many civil engineers working for power companies at the time when I interned with PHI. My engineering degree ultimately got me into the utility industry where I learned the operational side of the business. Though I ended up switching to the business side, I still use my engineering problem solving skills constantly and I continue to work on interdisciplinary teams. I'll always be grateful for my experience at Rowan and where it brought me!

Based on an Interview with Jess W. Everett on 2024-3-1.

1. The Engineering Outreach Office "is actively engaged in outreach activities leading to partnerships with organizations, corporations and entrepreneurs. These alliances have created synergistic opportunities where students get real-world, hands-on experiences through industry-based projects and exciting summer internships. These collaborations also lead to career placement opportunities upon graduation, contributing to the Henry M. Rowan College of Engineering's success in placing engineering students."