

Danielle Scoleri ('07) remembers the Fundamentals of Engineering Exam

Danielle (Scrivani) Scoleri grew up in Vineland, NJ. Her father is retired from the NJ State Police and Air Force Reserve. Her mother is a homemaker. Her sister is a registered nurse in South Jersey. Her brother is a State Trooper in PA.



Danielle graduated from Rowan in 2007. She had internships at ARH Associates in Hammonton for a couple of summers during college and met her husband there. She started part-time at Buchart Horn in Marlton in February 2007. When she graduated in May she started working full time. At Buchart Horn she worked in the water/wastewater area, e.g., pumping stations, water mains, and wastewater treatment plants upgrades. She worked there for 12 years and obtained her Professional Engineer¹ license during that period.

Danielle started a new job in 2018. She is now Planning Board Engineer for Burlington County, supervising two employees and working with the members of the planning board. Her work mostly involves land development projects, e.g., reviewing plans to make sure they conform to county standards.

I chose Rowan because it was close to home and affordable. I commuted my first two years and stayed on campus for my junior and senior years. I was interested in engineering because I was good at science and math. I chose Civil and Environmental Engineering because a transportation engineer came to Vineland High School and gave a presentation. He showed us how to calculate the best yellow light duration. I thought that was so interesting because I had no idea it was something that could be easily calculated. That brief presentation led me to become a Civil Engineering major!

Our Senior Design capstone² class was important for me. We worked on a real-world bridge design project. It was a fun and interesting way to work in a team on an actual project from start to finish. I had a great time at Rowan. It prepared me for the real world. We were pushed to get our Fundamentals of Engineering Exam done in school, which was so helpful. I know other engineers who waited until they were out of school to take it and it was much harder for them to pass.

In my work I run into many Rowan alumni. They are all very good and competent engineers.

Based on an Interview with Jess W. Everett on February 5, 2024

1. The Professional Engineer license (PE) is a “standard recognized by employers and their clients, by governments and by the public as an assurance of dedication, skill and quality...Only PEs can sign and seal engineering drawings...To become a Licensed Professional Engineer, you must do four things: graduate from an accredited engineering program, pass the Fundamentals of Engineering (FE) exam, work with a professional engineer for four years, and pass the Principles and Practice of Engineering exam.”

2. Most Civil and Environmental Engineering departments have a Senior Design Capstone class in which students use the skills acquired in their other classes to complete a real-world design project. At Rowan, the typical project is something that has already been built; however, the student teams are only given background information and create their own design documents.