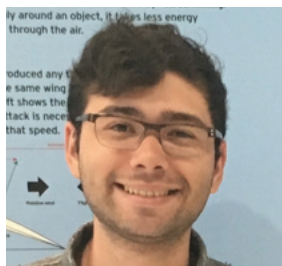


Graduate Engineering Profiles in Achievement

► Master of Materials Science and Engineering



Caillin Ryan

West Windsor, New Jersey
BS, Rutgers University

Why do you want to pursue a graduate degree in engineering?

To gain the knowledge and skills to succeed professionally in my career.

Why did you choose Rutgers School of Engineering?

It was a “no-brainer” for me; transitioning from my bachelor’s to a master’s at Rutgers was easy with the 4+1 program, as my undergraduate research could be easily turned into a thesis and the graduate classes were less daunting with the familiar faculty teaching them.

What has been your favorite class so far and why?

Thermodynamics of Material Systems, because it is considered among one of the hardest classes Rutgers offers, but was still such a fun class (when taught by Prof. John Matthewson).

Is there a professor who has made an impact on your studies?

Dr. Lisa Klein has greatly impacted my studies with her wisdom and guidance, both for my undergraduate and graduate research.

Are you involved in any research projects?

Yes, my thesis-related research project involves the synthesis and characterization of new wax-melting gel composites.

Have you had an internship while at Rutgers?

Yes, in NASA/defense-related work.

What are your plans after graduation?

I will be joining the Penn State material science PhD program as a graduate fellow. After the next four years, I will likely seek employment in the aerospace or materials manufacturing industries.

How would you describe the Rutgers Engineering community?

Very tight-knit, like an academic family.

If you could sum up your experience at Rutgers Engineering in just 1-3 words... what would those be?

Enlightening and worthwhile.

“New Jersey has always been a great place for higher education. No other state has as many PhDs per square mile, and our research universities have produced a staggering range of discoveries. At Rutgers alone, in recent years, these innovations include advancements in fighting cancer, an underwater drone to assist the Coast Guard, a smart city testbed for self-driving cars, and global forecasting for hurricanes.”

Christopher J. Molloy, Ph.D.
Chancellor
Rutgers University-New Brunswick

- #1 Public University in New Jersey
- Ranked #22 among public universities
- Faculty members are at the top of their fields, delivering excellence in the classroom and to the greater good through research.
- A dynamic campus environment engages a richly diverse student body.
- Rutgers is currently advancing the world’s first saliva test for COVID-19 and has also established a COVID-19 Center to coordinate the university’s many research, public health and outreach efforts to fight the pandemic.

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