

## Exploring Science Degrees at Thomas College

I specialize in cell and molecular biology and biomedical Sciences but my favorite is cancer biology, so how cancer cells become resistant to different treatments.

I have a PhD in biomedical sciences with a background in neuroscience. I spent quite a few years studying the role of special sensory neurons out in the peripheral nervous system in drug resistant pain phenotypes and for the past few years I've been teaching a combination of general chemistry as well as biochemistry.

This new lab is really exciting. It's really exciting to be a part of Thomas College as they start to expand into the sciences more. Specifically, the new chemistry lab space is going to give students the opportunity to learn some hands-on techniques that apply through general chemistry as well as serve as building blocks for more advanced sciences.

The future of science at Thomas College is bright. So, now we have designated science and lab courses where students can get those hands-on skills that they can use in their professional career, but it also has a lot of new foundational science courses that students can go off and explore science beyond Thomas. So, with our pre-professional major students now have the opportunity to think about medical school, veterinary school, PT school, and we have some of those courses like microbiology and anatomy and physiology that can help them get even more deep into their science education.

Yeah, getting hands-on experience in research and doing lab reports and writing in scientifically agreed upon ways, like doing things in APA format, and really developing the communication skills as a scientist is going to help build me in the future if I ever wanted to become an author of my own research or possibly a book or anything else that I would like to do in the field.

The new biology degree is very exciting. So, it has a lot of the standards that you'd expect from biology: biology in cells and molecules, in animals, in nature. We have ecology. We have genetics. We have advanced cell biology. But we also have those coordinating courses that help you understand biology better like chemistry and data science and physics. I think it's a really exciting time to be a part of the faculty at Thomas as well as an exciting time for students at Thomas. We're going to be able to do a number of things we haven't had the facilities or the staffing and faculty for and I think it's going to continue to grow and we're going to see some really cool things come out of it.

Come to Thomas and be a biology major! We're going to have a lot of fun. Go science!