

Endorsement Checklist Essay
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I have long desired to teach the area of secondary science and have taken enough science courses as an undergrad to qualify for my Bachelors of Science degree. The specific science courses I have taken are Biology 101 and 102, General Chemistry, Organic Chemistry, Molecular Biology, Biochemistry, Virology and Immunology. In addition to this I did a year of research in the Evergreen State College's Bacteriophage(Phage) Research Lab at the end of which I gave a presentation of our findings at the International Phage Conference. While attending Evergreen, I was also employed by the Tutoring Center to help mentor other students in biology, chemistry, organic chemistry, algebra and precalculus.

An area of growth for me is my understanding of physics as a whole. It is an area of scientific research that I am genuinely excited to deepen my understanding in, and I like to pursue such knowledge by consistently researching areas of interest on my own time. For example, a subject I am currently learning more about is vibrational energy and the impact it has on surrounding matter with intriguing new evidence that sound particles have mass/gravitational pull providing exciting implications about the interactions of massive sound waves in space and gravity.

My next steps are pursuing my Masters in Teaching to take the knowledge I have gained from receiving my two degrees, as well as daily consumption of scientific research and findings, and pairing it with my practical experience of working with children in schools for the past ten years, most recently with a focus on assisting children in general science at Reeves Middle School. As a paraeducator, I self-advocated to be in the grade level science classrooms so that I could bring my passion and knowledge to teaching children. The MIT program would give me the skills, further knowledge, and credibility to be able to teach kids about science, a fundamental of our existence that can often feel overwhelming and difficult to comprehend but is incomparably important to understanding ourselves and the world around us. I want to influence and invigorate students to be intrigued by science, to ask questions, and make predictions. I want to engage students that struggle to pay attention by showing them that in the world of science differentiated thought is what drives progress. I want to reach students that are struggling with their situation at home and give them a safe and welcoming environment that encourages their growth and development and supports their needs. I want to inspire students that might see a bit of themselves in me as a queer hispanic woman in science, providing representation to some of our historically oppressed and underrepresented communities. I want to provide an equitable and accessible learning experience that ignites a love of science in all students.