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Dr. Search Committee Chair  
Search Committee Chair  
3201 Campus Drive  
City, State 97601

January 27, 2016

Dear Dr. Committee Chair,

I'm writing to express my interest in the position posted in The Chronicle of Higher Education for the "Assistant Professor-Chemistry". As a graduate of an undergraduate institution with a commitment to encouraging students to have hands-on learning experiences, I firmly believe that I would be a great fit for the educational philosophy of the State Institute of Technology.

During my four years at Undergrad University in City, State, my professors had some of the greatest influence on my life. They inspired me to not only be a better person, preparing me for more than just my career, but also for life as a citizen of the world. They inspired me to become a life-long learner, to become a similar type of educator, and to become a role model to young female scientists, showing them that they can do it too. I believe that the State Institute of Technology would be an ideal setting for me to provide this type of inspiration and mentorship to your students and a great overall fit for my professional goals.

I've wanted to be an educator for a long time. In my time at Undergrad University, I studied to become an educator, becoming certified in secondary science education. During my time at Baylor University, I learned a lot about teaching and learning in a higher education, completing a capstone program which was focused on preparing future faculty members, including relevant seminars, workshops and a course on teaching and learning in higher education. In this capstone, I learned several techniques for teaching in a student-centered classroom and I am excited to employ these techniques in my own classroom. Additionally, I have taught laboratory courses in General Chemistry and Instrumental Analysis for four year of my five years at Baylor University. In my third year, I was awarded an Outstanding Teaching Assistant Award from the Department of Chemistry and Biochemistry.

In addition to my teaching experiences, during my time at Baylor University I continued my own education as an environmental analytical chemist. I developed skills to maintain and troubleshoot various pieces of analytical instrumentation including, but not limited to, GCMS (both EI and CI sources) and accelerated solvent extractors. I also worked closely with spectrophotometers (UV-Vis and Fluorometry),

cyclic voltammetry and anodic stripping voltammetry experiments, Atomic Absorption (furnace atomizer), and LC (with UV detection) in my three years teaching instrumental analysis laboratories. In my research, I was responsible for carrying out method development experiments and then using the developed method to analyze rare and precious filter-based air samples for organic contaminants in urban (Houston, TX) and remote (Barrow, AK) environments, while also mentoring younger graduate students in their various research projects. I helped pioneer the emerging flame retardant research that my lab at Baylor University is now performing, research that I would look forward to bringing with me to the State Institute of Technology to continue with undergraduate students. I look forward to sharing the things I have learned in the last four years with undergraduate students through my roles as teacher, mentor, academic adviser, and potential research adviser.

My time at Baylor University and Undergrad University has prepared me well for a chemistry faculty position. A position at an institution like the State Institute of Technology is what I have been preparing for the past eight years and I believe I would be a fantastic fit for a position on your faculty. I look forward to translating my experiences as an environmental analytical chemist into teachable moments both in the classroom and in my research lab through the college's undergraduate research program. I look forward to hearing from you with regards to my application materials.

Thank you for your consideration,

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