My name is \_\_\_\_\_\_\_\_\_\_\_\_\_, writing to express my interest to participate in the PhD \_\_\_\_\_\_\_\_\_\_\_\_\_ at \_\_\_\_\_\_\_\_\_\_\_\_. I am pursuing this specialization to attain the highest level of competence in the field of physics. The doctorate degree from a renowned educational institution such as \_\_\_\_\_\_ would empower me to become a qualified and competent physics educator in my home country of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

At present, the demand for science teachers, particularly physics, in \_\_\_\_\_\_ remains at high levels. As some of these vacancies take time to fill, schools and universities typically open the search to expatriate candidates. While we are a country that is very welcoming of foreign talent and while we recognize that they do fill an important and urgent need in our educational system, I believe that this speaks of our country’s lack of focus on promoting sciences among young people. It also reflects the inadequate interest among the younger generations in pursuing a career in teaching the scientific field. Physics, in particular, is not a favorite among students as they usually deem it a complex and challenging subject. I personally would like to change this perspective of physics and encourage more students to develop not only fervor toward the subject but also the love to share with others what they know. I believe teaching physics is a very rewarding career, not just financially, but personally and professionally, and I am committed to contributing my knowledge and competencies that I would gain from \_\_\_\_\_’s PhD in Physics program to help fill the gap in physics education in universities in my home country.

I am applying to the program with strong academic and research qualifications and personal traits that I believe would be beneficial in pursuing advanced studies in physics. I obtained my Bachelor’s degree in Physics from \_\_\_\_\_\_\_\_\_\_\_\_\_\_in \_\_\_\_\_\_, and will complete my Master’s degree in the same field from \_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_ 2015. During my master’s studies, I worked extensively in the field of research, conducting a study in the field of magnetism titled, “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.” This research, which was published in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, explored the evidence of static magnetism and thermally activated magnetic relaxation using granular FePt films. I found out that the activation volume of the thermal switching is smaller than the physical volume of the granular structure. The study was well received by my professors and the university, and in the process of completing it I developed professional working relationships with my professor and peers, set and meet deadlines, and communicate results verbally and in written form – skills that are valuable in pursuing more extensive research at \_\_\_\_\_\_. Specifically, I intend to continue my research in a similar topic in magnetization and thermal switching. If given the chance, I would like to work with Professor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because of his combined experience in the research areas of electronic structures of semiconductors and the theory, computation, and engineering of thermoelectric materials. I strongly believe that he would be able to support me in both my research interests and professional pursuit as a physics educator. I am keen to relate my academic career with the field of research in this field and discover and publish what is new through my research practice to contribute to the field. This extensive research opportunity is one significant experience I can bring and replicate to my future universities to boost our research competencies and encourage more physics research talent to emerge locally.

Aside from academic pursuits, I also engaged in other learning opportunities. I attended and actively participated in several conferences, including the \_\_\_\_\_\_\_\_\_\_\_\_ Workshop on the Fundamental Physics of Ferroelectrics and related materials in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_in Baltimore, MD., and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. These events and gatherings enhanced my ability to communicate, interact, and network with others – skills that would help me deal with peers and professors of diverse backgrounds and personalities in the PhD program and in future university classrooms.

I hope that given all these academic, research, and professional goals and plans, \_\_\_\_\_\_\_ would give me an opportunity to take part in the PhD Physics program.