

Of purpose



Applying to PhD in Toxicology program at Purdue I am writing this letter in the hope of pursuing a PhD in Toxicology program in your esteemed university. I believe that studies in health and human sciences are indispensable for my future career development and will benefit me for my whole life. I completed my master's degree in Toxicology in the year 2015 from Oregon State University where I learnt a lot about identifying and measuring toxic substances and offering advise on how to handle the toxic substances safely in order to avoid the adverse effects on humans, animals, and the ecosystem. I have been teaching in the UAE University in the environmental science branch since 2011 to date.

I believe a meaningful life should be all about aiming high and working hard to reach that high. Purdue University is the best university that help one realize the full potential in health and human sciences. One of the unique qualities of Purdue University is that it has accreditation to offer programs in health and human sciences and guarantees a nationally recognized degree to any person undertaking a program in this university. Secondly, the university is committed to excellence though creating, disseminating and applying knowledge in the areas of the programs offered. Thirdly, the university opens its doors to the locals, national and international citizens through providing healthy and safe working and learning conditions to the students, teachers, workers and the community in general.

The university has several interdisciplinary programs, which include radiology, occupational health science, environmental health science, environmental and occupational toxicology, and medical laboratory sciences. Purdue University has academic research and training facilities that will assist in pursuing my degree. Such facilities include state of the art programs

that help in preparing students to become great leaders. In addition, there are research and development programs that aids in improving the understanding of the particular area of study.

The faculty that interests me in Purdue University is the faculty of occupational and environmental toxicology. The program involves the study of the adverse effects of toxic substances on people, animals, and the ecosystem. The research projects in this faculty include the research on the environmental causes of neurodegenerative diseases such as Alzheimer's disease and tremors, research on cellular toxicities caused by radiation and research on fetal origin of adult diseases due to early exposure to chemicals such as pesticides. In addition, there are other research opportunities for instance the research on epidemiological identification and characterization of exposed population and identifying the adverse effects because of chemical exposure.

My research interests are risks resulting from the use of chemicals such as pesticides and pharmaceutical agents. Secondly, I want to gain thorough knowledge on how human beings can be able to handle the chemicals without suffering from adverse effects. Thirdly, I would be interested in studying the potential of chemicals to cause acute and chronic illnesses and mitigation strategies of addressing this risk. I can achieve my professional goals through undertaking the research projects that are available at Purdue University and analyzing the research findings.

I would like to be Dr. Freedman's student who is my first mentor. This is because m interested in her research area of investigating the adverse health effects associated with exposure to environmental stressors. Also, I have interest in Dr. Jason's specialty of studying human diseases arising

from environmental factors and ageing, Dr. Ellen Wells whose interest is in exploring how exposure to metals impact human health and Dr. Linda Nie who explores the linkage between lead exposure and neurodegeneration. I have found that Purdue University offers the strategies I need for my PhD and hence it will be great pride and honor to get an admission in this esteemed institution and get a chance to prove my worth as a professional toxicologist.