

Statement of Purpose

“Every aspect of today’s life, even international relation, is influenced by the Science of Chemistry.”

Linus Pauling

To get a better understanding about my purpose in life, I would like to take you back to my high school years. I started high school in one of the most famous high schools in ... (.....). I was always among the top three students in my class. In the third year of high school, as a result of working with a graduate Organic Chemistry student who was our lab instructor, new horizons were opened up for me, which had to do with the world of atoms and molecules. The fantastic world of Chemistry motivated me to spend quite a bit of time on deliberating over reaction mechanisms, and also triggered me to sometimes bring simple hand-made set-ups related to the lessons which were going to be taught in the school lab. Fortunately, my passion and love for Chemistry made my teacher suggest that I participate in some minor research that went on in our school chemistry lab. Working in the laboratory and becoming familiar with experimental chemistry made me more interested in chemistry and helped me realize that I should continue this field of study if I look for a prosperous future.

I graduated from high school with a GPA of 19.40/20 in 2006 and ranked second from among 150 students. Then, I participated in the Nationwide University Entrance Exam in which I ranked 894th from among 300,000 participants, which placed me among the top 1%. This gave me the opportunity to pursue my dream, which was studying Chemistry at Sharif University of Technology, the most prestigious university in my country.

I am a very energetic and hard working person: always looking for challenges. This greed of mine for learning more and being able to impart my knowledge of Chemistry to others helped me attract professor’s attention; as a result, she gave me her Teaching Assistantship in General Chemistry Laboratory I in fall 2010, Organic Chemistry Laboratory I, and Organic Chemistry Laboratory II in winter and spring 2011, respectively. These experiences have taught me how to contact with freshmen and sophomore students and motivate them to study better.

In the third year of my bachelors, after gaining a great deal of experience while working in a few chemistry laboratories in my hometown, I decided to expand my knowledge of Chemistry by visiting universities outside my country. As one of my Organic Professors always says, “We, scientists from all around the world, are a big

family, and the key to advancing in science is to be able to pass on directly our firsthand experience to the next generation, regardless of our countries.” Thus, I started to do some research on universities with summer courses and finally decided that University was a good choice because it is well known and ranks among the top 50 universities in the world, which would also give me the opportunity to get to know the European culture and to experience a foreign academic environment. Ms. ..., ..., authorized my attendance in the ...course and because of my excellent background, I was selected as the first one out of the 3 candidates from among many participants to be awarded the ... Scholarship. I gained quite a bit of experience and after giving quite a few lectures and conducting practical experiments, I was given the certificate of “....” in the summer of 2012.

Attending ... Summer School also helped me become a better team worker, while in my country individualism is mostly praised. This teamwork spirit helped me attend a few research projects supervised by ..., an ... professor at ...University and also the Dean of the ... Department. In this research, I also got the chance to learn a lot from ..., a Ph.D. student and ..., a postdoctoral candidate. During my research assistantship, I accomplished four ISI papers and one national conference poster, which is a huge achievement for an undergraduate student in my university. These papers and conference attendances have been mentioned in my CV in detail. I also have the experience of working in the Chemical Engineering Polymer Laboratory as a co-researcher under the supervision of, a, On the whole, I am confident to say that working in these laboratories has made me familiar with the usage of various equipment such as HPLC, GC, UV, CV, and IR.

Due to the knowledge that I gained in these 5 years atUniversity and 2 years of hard work in’s Polymer Laboratory, and in’s Laboratory, I was very fortunate to get the chance to gain information about the different aspects of Polymer Chemistry such as ...,, ..., and

However, all these amazing experiences together with all the polymer and its related courses that I have attended and have passed with high grades have made me realize that I am interested in pursuing a graduate degree in Polymer Science.

After consulting with my supervisor, I decided to apply for a graduate program to expand my knowledge and bring my ideas into practice. I chose University’s ... Department after gathering information about its perfect and friendly environment as well as the research and interests of its faculty. I would like

to join the Department at University because of the excellent learning environment, top-notch faculty, educational resources, and strong research centers in the fields of my interest. I do believe that your department, with a specific emphasis on polymer science, is the utopia that I have in mind.

I have always had the dream of earning a Ph.D. degree in Polymer Science at a prestigious university, and later a career in ..., ..., and teaching. I hope my desire along with my hard work and my academic background qualify me to pursue my education in the University of