

Question 10:

During my first year study, I have explored a more sophisticated world of science through various modules. Many transferable skills were maintained in courses, especially Chemical Skills. From this curriculum, I developed scientific writing, graphical analysis, communication and cooperation abilities through projects. Teamwork and communication skills were enhanced in group tasks, discussions and presentations. Scientific writing ability was learnt systematically by following the instructions in classes. I believe that these abilities can be definitely applied into further study and career, like analyse experiment data, give project reports and write professional papers. Additionally, the environmental knowledge I got through Air Pollution project expanded my horizon and inspire my idea to work and study on related principles in the future. Other courses, physical chemistry and mathematics imparted me logical thinking and data analysis abilities. Those merits not only improve my understanding in science but also lay the foundation of computing and analytical skills for me, I regard these as the unique advantages for being a STEM student. Besides theoretical courses, the practical labs are vital for chemists, too. Attempt experiment is a good chance for us to apply principles into reality to deepen impression of knowledge. Furthermore, doing lab work can strengthen practical, teamwork and problem-solving skills. By preparing experiments and dealing mistakes with partners we can consider the reaction mechanism and routine behind to review. Different types of experiments offer distinct skills, by taking quantitative and qualitative labs I developed both analysing abilities, which have a board application in careers. The writing of lab reports also exercised my summary and scientific writing skills. During the time of online study, the skills illustrated above really helped me to adapt this brand new learning style. For example, communicate with lecturer and classmates online, summarise the course notes, and search for more information to solve my questions. The time management ability also helped me to organise schedule. All in all, I believe the skills learnt and maintained through this year made me better at study regardless of conditions and will work for future development, I hope in the future I could enhance writing and logical thinking abilities to cover my shortage to study deeper in chemistry. To achieve my goal, I decide to read more about scientific magazines and attend workshops on Coursera and edX study platforms.