

Study Plan

From a young age I was captivated by contrails of high flying passenger jets. The young me always envisioned myself working on these magnificent machines. This sense of awe and admiration for the impressive technology involved in aviation has persistently been my guiding light for my entire life. My father, an electrical engineer, fostered a love within me for all things technical. It was this passion for engineering that led me to the Science program of Notre Dame College, the best institution for higher secondary education in Bangladesh. After that I got into Islamic University of Technology (IUT). It is a prestigious international university that is a subsidiary organ of the Organization of Islamic Cooperation (OIC). I was rewarded with the "PARTIAL OIC SCHOLARSHIP" after scoring in the top 1% among admission applicants and got admitted into IUT. I chose to do BSc in Mechanical Engineering, believing it would provide me with a strong and versatile foundation for a career.

I started my undergraduate program in January 2018 and graduated in May 2022 with a first class. During my undergraduate studies, I focused on hands-on and practical aspects of engineering. I was engaged with various academic projects and extra curricular activities. I participated in the industry academia collaboration project gaining real world experience while working on a material handling robot. My final year thesis was titled - Path planning of autonomous unmanned air systems. Till this day I am working on aerial robotics and wish to found a company in this domain someday.

In my sophomore year, I co founded an aerial robotics team called "ANTS." The team participated in the renowned IMECHE UAS Challenge in 2020 and 2021. In 2020, we were awarded the Highest-Placed New Entrant award, the Business Proposition award, and the Media and Engagement award. Our team was honored with the highly esteemed Design award in the next year. I headed the automation and software team, contributing to the team's accomplishments.

I also joined "IUT Mars Rover", The flagship robotics team of our university. Serving as the software sub-team lead during my sophomore and junior years and eventually taking on the role of team leader in my final year. A significant highlight of my academic career was representing my university at Dubai Expo 2020. My work was selected to be part of the university's stall (OIC Pavilion) at the prestigious Dubai Expo 2020, where I represented the university.

My academic endeavors and experiences at the university taught me that my forte lies in the field of control and automation. Interacting with industry experts made me realize this field offers vast opportunities and ample scope for growth in this sector. Government is also providing incentives, and creating facilities for hi tech industry expansion. Following graduation, I came to the grim realization that it is not possible for me to obtain a masters degree in Mechanical engineering specializing in control and automation from Bangladesh. Despite opportunities and demands in the industry, there is no institution offering specialized options for multidisciplinary education in the field of engineering.

After a lot of research, I found Canada to be the ideal place for graduate studies for a multitude of reasons. Canada offers high quality education, excellent academic programs and research opportunities. A North American degree holds significant value. Additionally, Canada is known for diversity, inclusivity, and multiculturalism. Beyond that, Canada is also known for majestic mountains, pristine lakes and picturesque shorelines. It is also one of the safest countries in the world. Moreover, Canadians are widely known for their friendliness and being amicable.

So after graduation I took the IELTS academic test in October 2022 and obtained an Overall band score of 8. Afterwards I submitted applications to universities that provide masters programs in mechanical engineering where I can specialize in

control and automation. Although I received offer letters from a few programs, I ultimately decided to accept the offer from the University of British Columbia, British Columbia, Canada. I have been successfully accepted for the Master of Engineering program in Mechanical Engineering. UBC being the 2nd best University in Canada and ranking among the top 50 universities worldwide, it is an opportunity of a lifetime for me. The university's reputation for the quality of students, faculty and education, close collaboration with technology and unparalleled reputation makes it a top choice among engineering schools. Besides excellent courses UBC offers excellent CO-OP programs, which offers students to learn about the industry practices in a unique way.

My family consists of my parents, me and my younger brother. My Mother, whom I love dearly with all my life, is a retired government school teacher. My Father, my ultimate role model, is a government employee as well, serving as an executive director of Bangladesh Bank (Central Bank of Bangladesh). My younger brother, for whom I am ready to sacrifice everything, is currently pursuing his undergraduate degree in Computer Science. Together we are a tightly-knit family and support each other in our individual endeavors. Both of my parents having a solid academic background knows and understands the value of quality education. Despite the emotional difficulties, they are fully prepared to support me as I pursue higher education abroad, both mentally and financially. My parents have been diligently saving up for years for this purpose. Their generous sponsorship will cover education and living expenses for the whole period of my visit to Canada. Moreover, my parents' GPF, savings accounts and recurring income stream from rents, offer a significant level of financial security for their living standards. Thus, sponsoring my education will not hinder their livelihood over the next two years. My primary objective in visiting Canada is to obtain my degree and gain expertise and experience from one of the most technologically superior nations of the world, so that I may bring back information and experience, enabling me to contribute to my nation's technology sector for advancing our country's industry.

In the future, I will inherit the properties of my parents. It is my responsibility to look after those assets. Above all, I have a duty to my parents and my younger brother to be a part of their life and aid them in every way I can. My family is my everything, I can't imagine a future where they are not close. Besides, I want to keep working in the field of aerial robotics in Bangladesh. Maybe someday my vision to found a company will become a reality. For these reasons, while I greatly appreciate the opportunity to study in Canada, it is crucial for me to return to Bangladesh to support my family and pursue my long-term goals there.

I sincerely hope that my explanation and the accompanying materials submitted with my application will be considered. It would mean the world to me if I were granted the opportunity to take part in the program. In conclusion, based on my study plan and credentials, I kindly request the granting of a study permit to pursue a Master's degree in Mechanical Engineering at the University of British Columbia, BC, Canada.

Thank you for taking the time to review my study plan. It is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Samin".

Muhammad Samin Hasan