

Graduate Studies Proposal

Background

As a Captain in the Philippine Army, my primary duties and responsibilities revolve around safeguarding the nation's security, leading soldiers, and ensuring that critical operations run efficiently. My background in cybersecurity has equipped me with the technical skills to protect sensitive information, but I recognize that the evolving landscape of technology and data requires continuous learning and specialization. The need for more sophisticated data-driven strategies in national defense and community development has inspired me to pursue further education in data science.

Financial Plan

To support my graduate studies, I will shoulder all expenses outside of the tuition fee with the help of my family. This includes costs for books, internet access, and other necessary resources to complete my courses effectively. While I am fortunate to receive some financial assistance through my scholarship as a military officer, further aid for tuition will ensure that I can maximize this opportunity and focus entirely on my studies.

Proposed Course of Study

I propose to enroll in the **MicroMasters Program in Statistics and Data Science (Social Sciences Track)** offered by the Massachusetts Institute of Technology (MIT) through distance learning. The program lasts for 1 year and 2 months, requiring 10 to 14 hours per week of study. This program complements my current enrollment in the Professional Science Master's Degree in Data Science at the Technological Institute of the Philippines.

This course of study will allow me to acquire advanced knowledge in data analysis, statistical modeling, and data-driven decision-making—skills that are increasingly essential in military operations and defense strategies. By gaining expertise in these areas, I will be able to develop more effective frameworks for analyzing military and security data, improving risk assessment, and enhancing predictive capabilities to safeguard national interests.

The knowledge gained will not only contribute to the efficiency of the Army but also allow me to mentor fellow soldiers, enhancing their capabilities and contributing to a more technologically advanced and informed military force. Furthermore, my goal is to utilize these skills to implement technology-driven community development programs, ensuring that the benefits of data science extend beyond the military to improve the lives of Filipino citizens.

Budget

The Statistics and Data Science MicroMasters Program is available for purchase altogether, as a Program Track Bundle; and each (5) course is available for purchase individually.

- Purchased as a Program Track Bundle, the whole program costs \$1,350 USD, reflecting a 10% discount
- Purchased separately, the courses cost \$300 USD each, for a total program cost of \$1,500 USD.

Purchase of a Program Track Bundle is not required to earn the Program Credential. Both purchase options allow a learner to complete the Program and earn the MITx MicroMasters Program Credential in Statistics and Data Science.