

Professional Science Master's Scholar

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PSM Degree

Master of Professional Studies in Bioprocess Engineering

US University

State University of New York College of Environmental Science and Forestry (SUNY-ESF)

Date of Completion

May 2017

GPA

3.87

Master of Professional Studies in Bioprocess Engineering

The Masters of Professional Studies in Bioprocess Engineering emphasizes fundamental engineering science and engineering skills pertaining to chemical engineering with specialization in biofuels and bioprocess and chemical industries. It includes courses in traditional areas of chemical engineering, applied chemistry, industrial biotechnology, and pulp and paper technology. With SUNY-ESF as one of only two universities in the US that offers the bioprocess engineering program, it aims to meet the current demand for more specialized and highly trained engineers for the emerging bioenergy and bioprocess industries.

As a PSM student, what was the highlight of your study?

The highlight of my study is the network and acquaintances formed in my stay at SUNY-ESF — the immeasurable good that comes with knowing and learning from high caliber professors and industry professionals.

In what way has the USAID scholarship changed you?

The scholarship has stretched me in many ways no other circumstance in my life have. I learned to become more independent in living, more critical in my education, and more proud of where I came from.

How would you use your degree to contribute or influence economic growth in the country?

I believe there's no better way to spur economic growth in the country than through entrepreneurship. Using my degree, I would like to pursue a career in startups possibly in the fields of biomedicine, bioenergies, biofuels or other fields of technology.

As a young scientist, what do you envision for the Philippine science, technology and innovation ecosystem in the next 10 years?

I envision a Philippines where scientists will be at the forefront of governance and policy-making, in promoting evidence-based and data-driven leadership and management, and in the creation of more jobs for fellow Filipinos.

Since completing his PSM program, Tristan has been working for several startups that deal with financial technology solutions, alternative investments and security.

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