



The Brazil Scientific Mobility Program (BSMP) is a one-year non-degree program for Brazilian students to study abroad in the United States. BSMP is part of the Brazilian government's larger initiative to grant 100,000 Brazilian university students the opportunity to study abroad at the world's best colleges and universities.

WKU served as host to roughly 150 Brazilian students during the past academic year. Their areas of study ranged from Pre-pharmacy and Pre-dentistry to Computer Science and Agriculture.

One such BSMP student is Bruno Silva Emerick who came to WKU to study Mechanical Engineering. Bruno shares a little bit about his experience at WKU in the following paragraphs.

"I enjoyed my time here at WKU. I had great experiences working with different equipment that I didn't have the opportunity to work with at my University in Brazil.

During the Fall of 2014, I took a class led by professor Dr. Byrne which was one of the best classes that I have had as a Mechanical Engineering student. I did a failure analysis on a piston head of a high performance engine. It was great! I learned about the techniques of microscope analysis - scanning electron microscope, energy dispersive spectroscopy and others. Professor Byrne was really nice and helped me a lot.

In the spring semester I had the opportunity to work with the 3D printer and other manufacturing equipment. The 3D printer surprised me with both its quickness and ease of use. I designed what I needed, sent it to the machine in a specific format, and depending on the complexity of the product, I had results in my hand in hours.

This summer I am going to Purdue University in Lafayette, IN. I'll be working with professor Monika Iantysynova at MAHA Fluid Power Research Center. In this research, I'll be solving some special issues related to pump flow modeling using Computer Fluid Dynamics. The research will be a great opportunity to see if I really want to keep following the academic career and perhaps earn a Master and Doctor's degree in this field of study.

I'll bring back to my country a baggage full of knowledge along with friends and experiences that I'll never forget."

Bruno Silva Emerick
Brazil Scientific Mobility
Program and WKU Mechanical Engineering student