

While statistics is easily my weakest subject of the three prerequisites, it still features significantly in my current job just as it did in the acquisition of my undergraduate degree. I passed both Statistics 1 and 2, the latter of which commenced in 2018. While in Statistics 1, I tutored two other students in the subject and received an A in the class myself. Later, I learned many research principles of statistics in my numerous STEM classes, specializing in interpreting statistical data for projects and research reviews. I took chemistry and ecology classes from 2020 to 2022 which heavily featured statistical analysis through laboratory work. In my current job as a microbiology lab analyst, I am the lead in quality control tests for my lab which include enumeration of bacteria for the purpose of validating tests through calculating Z-scores, percent recovery, and medians for each test we perform. There is always active statistical data that I am involved in performing, recording, and interpreting daily. I wish that my background in statistics was more tangible, but I feel ready to join the MES program regardless. If these classes and statistical applications are too old or simply not good enough for the program, I am more than happy to take a supplemental statistics class concurrently during my first semester if the option is available.