# Why does a Computer Engineer need to take a lot of math courses?

While many of the actual concepts of math that you learn are not used out in the workplace, you should know, and do well at your math courses for the following reasons:

First, many of your courses later on are based on what you learned out of those. Second, math classes actually teach you critical thinking skills and the ability to solve problems, and more so than your actual computer engineering courses. This means that by doing well in your math courses, you will be able to catch on to changes in technology quicker in the future.