

## Before Starting a STEM Degree

Before attempting a degree routed in mathematics, you should make sure you understand the gravity of such a task. The following information is something to consider before attempting a STEM.

“A STEM degree is a lifestyle choice, not a career path.”

- According to census bureau data, in the United States (and very similar across the globe), approximately 50% of all STEM majors do not graduate with a STEM degree if any degree at all. These statistics have been the same pre internet and post internet.
- If you do not want to do math and physics 10+ hours a day, 6 days a week for 5-10 years, do not major a math, physics, or engineering (or sometimes CS degree).

P.L.E.M

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Physics – Language – Engineering – Mathematics

“Engineering is the application of physics which is the application of mathematics which the application of language—linguistics”

ENGR > PHYS > MATH

NOTE: From my experience, the average student majoring in PLEM, that uses sources such as Khan Academy, ChatGPT, Chegg, Pirating Solution Manuals, .... never make it past Junior year. They are smart enough to cheat and plagiarize their way to Junior year but incapable of reading textbooks and thus fail.

“A bachelor’s degree could be summed up as the art of learning how to read textbooks—that is, scientific data.”

- Memorizing solutions to fake problems is not an education.
- The textbooks are designed to walk you down the path of discovery and constructing algorithms by uses questions that have proven solutions. A student uses these solutions to verify their work is correct. Watching people on the internet write out their interpretation is not only cheating it will never give you a proper education as these are not real-world problems. The point is to build neurological connections by struggling.

“You can learn everything there is to know about lifting weights by watching and listening to weightlifters, but you will never get strong if you don’t lift weights. It is the same with math.”

The following is from a syllabus at UT Dallas for Calculus, “Plagiarism, especially from the web, from portions of papers for other classes, and from any other source is Unacceptable.” This is

a negative approach—fear factoring. What they are really saying is you are destroying your education by not following the curriculum provided. Your school is set up for your degree plan.

From my experience, students that are unsuccessful all have the same thing in common: they cannot open a textbook, flip to any page, read a theorem, and apply it by Junior year. They only know how to memorize solutions to fake problems written by amateurs on an unaccredited platform hosted by a social media company. Fooled by big business for the purpose of generating ad-revenue, falsified donations, and other sources of income.

- Each year in America, over 900,000 students that attempted a STEM degree either failed or do not work in STEM.
- About 70,000 graduates get jobs. The numbers are same pre-internet—that is, about 70,000 students got jobs. However, before Khan Academy, there were about 250,000 graduates, and now there are about 500,000 graduates and still only about 70,000 students get jobs.
- From my research, this is entirely because of cheating platforms like YouTube, WyzAnt, ChatGPT, Pirating Software, ...

Essentially, if you are serious about working in STEM or PLEM, you should turn off the internet and glue yourself to the lecture, textbook, and professor's guidance. If your response to this is, "My professor sucks." "What about this situation." "The textbook is too hard to learn from." ... then you are definitely in the wrong field.

From everyone I know in senior year, graduate school, or employees at companies of PLEM related science, they all say the same thing, "How could anyone learn from using Khan Academy?"

They understand that the struggling aspect of the bread crumb trail in the textbook is the most important part of the education and that the solutions provided by sources such as Khan Academy are not real solutions, and hence, it is pointless to memorize to cheat on a test as you will never build the strength need in the workforce if you don't struggle through the process.

My recommendation is not an insult or belittle or looking down, it is a recommendation to save you a lot of hardship, stress, and disappointment. If you are at Calculus and have not 100% devoted yourself to the textbook, curriculum provided, and following the code of conduct, you should switch to a business degree. It will be much less stress and much more profitable.

You have a 1/100 chance of graduating and working in PLEM as a PLEM major. If you are on YouTube or any other platform, from my research, you have 0% chance of working in PLEM. This is just statistical analysis from nearly 20-years in this world.