

Physics as a foundation for
technical disciplines & careers

Necessary foundation?

- Physics apparently confers a far greater degree of proficiency and more relevant perspectives than does Engineering in real-world situations.
- Physics and Engineering share applications, and theory-wise have many similarities too. The line between them is highly blurred.
- Physics Works!

Necessary foundation?

- Conversely, while physics forms the fundamental, underlying principles beneath many applications, these principles are often abstracted away and too far removed from the end-user.
- Despite this, physics involves skills which are hard to obtain elsewhere.
- An ignorance of physical principles may also have dire consequences.

To what extent is physics a necessary foundation?

- It is not strictly necessary that all walks of life require a strong foundation in high-level physics.
 - For instance, it is not usual that a lawyer is expected to fully grasp A-level physics, say.
- While it is undeniable that physics is everywhere, the extent to which the layperson is required to be aware of physical principles is questionable.

To what extent is physics a necessary foundation?

- Considering that physics does confer problem-solving skills, an elementary education in physics, at the least, should be catered to all.
- A basic grounding in physics should also aid what is ordinarily referred to as “common sense”.

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- Nonetheless, many choices to take physics are made without consideration of the career prospects available.