

## First Year Electrical Engineering Mathematics Notes

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### First Year Electrical Engineering Mathematics Notes

First year of Electrical Engineering. During the first year of the Bachelor's Electrical Engineering you will establish a solid foundation of knowledge and skills. You will study Mathematics, Physics, Information Technology, Electronics and Electromagnetics. Throughout the four modules of this year, you will gain insight into the various professional roles and themes in your academic discipline, and learn how to develop practical solutions to complex problems.

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Figure 1-2. (a) 75A (b) 80A (c) 100A (d) 125A Answer: (c) 100A. Step 1: Convert 125 percent to a decimal: 1.25 Step 2: Multiply the value of the 80A load by 1.25 = 100A. c Example 2. Question: The maximum continuous load on an overcurrent device is limited to 80 percent of the device rating.

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