Does a Computer Science Degree Require a Lot of Math Courses?

Individuals who want to know whether obtaining a computer science degree will necessitate the completion of a lot of math courses should know that the answer is generally yes. Thus while each educational program will have its own unique requirements, students can typically expect to take a plethora of math courses throughout their undergraduate career. [\n]

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Some of the math courses required will typically include:

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[li] Calculus with Analytic Geometry [/li]

[li] Matrices [/li]

[li] Statistical Analysis [/li]

[li] Elementary Probability [/li]

[li] Introduction to Analysis [/li]

[li] Ordinary Differential Equations [/li]

[li] Fourier Series and Partial Differential Equations [/li]

[li] Introduction to Operations Research [/li]

[li] Linear Algebra and Discrete Models [/li]

[li] Basic Abstract Algebra [/li]

[li] Discrete Mathematics for Computer Science [/li]

[li] Design and Analysis of Algorithms [/li]

[li] Formal Languages with Applications [/li]

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If you are interested to see more details, here is a list of full [a]recommend course schedule[/a] from Penn State Behrend.

[link]http://rap.psu.edu/computer-science-cmpbd[/link]

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