# Computer Engineering Job Overview

Computer engineers rely on the principles and practices of both computer science and electrical engineering to make computers faster, better and more compact. These engineers may also integrate computers into other machines and construct data transfer networks. In computer engineering, professionals have the option to focus on software, hardware, or some combination of the two. Duties of computer engineering jobs typically include:[\n]

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[li]Designing computer equipment, such as processors, routers and circuit boards[/li]

[li]Testing and analyzing computer hardware[/li]

[li]Modifying hardware to accommodate new software[/li]

[li]Designing software applications and systems according to users' needs[/li]

[li]Maintaining and testing software[/li]

[li]Instructing programmers on writing code for software[/li]

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[\n]Computer engineers may work in research labs, manufacturing firms, and computer systems design or software publishing firms. Related occupations include electrical engineer jobs and software engineer jobs.