Engineering and Science at IBM

"The interdisciplinary environment keeps you technologically hot."

"Working in data processing today pretty much means you work in a broad spectrum of technologies," says Nick Donofrio, an Associate Engineer at IBM. Nick is a 1967 graduate in Electrical Engineering. He's using his technical background to design circuits for computer memory systems.

"Circuit design used to be a narrow job," he says. "Today it can take you into the front yard of half a dozen different fields. In my job, for example, I work with systems design engineers, chemists, physicists, metallurgists, and programmers."

Nick describes a hypothetical case history: "A memory systems man comes to me with memory circuit requirements. Before I can start designing the circuit, I go to see a physicist. He helps me select an appropriate technology for the monolithic circuit.

"As the design develops, I work with a test group and also check back with the systems and semiconductor people to make sure I'm on the right track."

Keeping up
The interdisciplinary environment at IBM helps you keep up to date technologically. As Nick puts it, "You're constantly exposed to what's happening in other fields."

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