what are quantum bits and circuits?
how to design quantum algorithms that break RSA & Diffie-Hellman?
are NP-hard problems also difficult for quantum computers?
why is it good that we cannot clone quantum bits?

Quantum information & computation will give a friendly intro to this new frontier of computer science, which has generated a lot of excitement.

Highlights: Simon, Shor factoring, Grover search, quantum money, . . .

No physics needed – but you might get to know some friendly physicists 😊