# Skills needed to pursue a career in Computer Engineering

You ideally should have a strong foundation in both math and science, particularly in chemistry and physics. If you’re interested in computer engineering while in high school, I recommend getting trigonometry and precalculus out of the way while you’re there.

By the time you graduate Behrend though, you should know mutli-threaded, input/output, assembly language, and mobile application programming. In addition, computer organization, top-down design, mathematical operations, I/O interfaces, user interface, memory management, and data storage. C++, Java, and SQL are also good to know, as well as object oriented design and relational databases. Data security and TCP/IP communication and internet protocol are fundamentals to networking.