What Courses Should I Take for Mobile Computing?

The specific courses you should take are introductory computer science courses as well as [data structures and algorithms](http://interactivepython.org/runestone/static/pythonds/index.html) courses. [\n]

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These introductory classes teach you about object-oriented programming, which is a fundamental programming skill that is used in Web and mobile application design. When you take data structures and algorithms courses, you will probably have to take some prerequisites before you’re able to enroll in the second- or third-year courses. Data structures and algorithms parts one and two are indispensable theory courses that teach you the fundamentals of designing efficient software. [\n]

You don’t need to be an algorithm specialist to design mobile applications, but you absolutely must know when to choose a linked list, hash map, array or binary search tree when designing a program. You also need to understand the most efficient algorithms to use for searching and sorting the various data structures, such as graphs, queues and dequeues. [\n]

Another important course is computer architecture because it focuses on number systems, such as binary, octal and hexadecimal, and it teaches you about how software and hardware work together at the operating system level. It’s not necessary to go any further than the second year of a [computer science degree](http://www.computersciencedegreehub.com/best/online-bachelors-programs/) if you only want to do mobile development, and you can simply get a two-year Web design degree instead. [\n]

[tip] Mobile app development is one of the best careers to go into in terms of the cost of education compared to the salary you can make. If you have a strong ability to focus and a knack for technical problem solving, consider going into mobile computing. [/tip][\n]

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