

Undergraduate preparatory reading list

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A good all-round introductory text to the study of computer science is that by Brookshear [1]. If you would like something more advanced (and fun), then you may like to look at Harel's text [4]. Background books, which will introduce you to various aspects of computing are those by Dewdney [2], Huff [5] and Forester and Morrison [3]. For a general discussion of what science is and what it can answer, the text by Samir [6] is excellent. To get a good overview of the subjects studied in Computer Science, see Edwards [7] and for a more general look at studying and learning at university, see Sage [8].

When you get here you will be given further lists of textbooks relevant to the modules you will be studying, all of which you should be able to borrow from the University library or purchase from the University Bookshop.

[1] J. Glenn Brookshear. *Computer Science: An Overview*. Addison Wesley Longman, ninth edition, 2006.

[2] A. K. Dewdney. *The New Turing Omnibus (66 Excursions in Computer Science)*. W. H. Freeman and Company, 1993, 2003 (reprint)

[3] Tom Forester and Perry Morrison. *Computer Ethics: Cautionary Tales and Ethical Dilemmas in Computing*. The MIT Press, second edition, 1994

[4] David Harel, Yishai Feldman. *Algorithmics: The Spirit of Computing*. Addison-Wesley, 2004.

[5] Darrell Huff. *How to Lie with Statistics*. Penguin, 1991.

[6] Samir Okasha: *Philosophy of Science: A Very Short Introduction*. Oxford University Press, 2002

[7] Alistair Edwards. *Get Set for Computer Science*. Edinburgh University Press, 2006.

[8] Alan Pritchard. *Studying and Learning at University*. Sage, 2008.

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