

# Information Sources Guide: Computing

*This guide will help you to find information for projects, reports and essays if you are studying Computing.*

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# CONTENTS

Introduction .....	1
MetaLib .....	1
Further help .....	1
Library Catalogue .....	2
No book in the catalogue?- Use reference sources to search for information. ....	3
Dictionaries .....	3
Encyclopaedias .....	3
Handbooks and Directories .....	4
Still stuck? Looking for the latest info?- Databases and Portals index the contents of journals and conferences .....	4
Web of Knowledge .....	4
IEEE Xplore .....	4
ACM Portal .....	4
Compendex .....	5
Proquest .....	5
BSOnline .....	5
More useful information sources (online) - (This is a selection from the Computing MetaLib page) .....	5
Referencing .....	6
Journals .....	6
Books .....	6



## INTRODUCTION

This handout offers suggestions to help you find information for projects, reports and essays. It outlines some of the most useful sources and offers suggestions for finding more material. There is no ONE place to find all the information you need. You will need to look at a variety of different sources, as they contain different types of information. Reading Lists for the modules are a start. They should be accessible from BlackBoard as well as through the Library homepage and Web catalogue.

To find general reading throughout your course the dictionaries, encyclopedias and textbooks, some electronic sources and high quality Internet sites will probably suffice. However, when you come to embark upon your project work you will need to demonstrate knowledge and use of the full range of information sources.

### **MetaLib**

Access to all electronic sources listed here is available through the Library portal MetaLib (<http://www.brad.ac.uk/library/electinfo/metalib.php>). User guides are also available from this address. Login to Metalib using your University computer username and password. From Metalib to log in to databases from off campus you will need to download a small bit of software to each computer you use. You will be prompted by on-screen instructions through this process.

### **Further help...**

The subject specialist team will help you find and use information. So, for additional help with, or information on, using the resources in this handout contact:

Jennifer Rowland

Room 1.5, by telephone x3371, by email: [informaticslib@bradford.ac.uk](mailto:informaticslib@bradford.ac.uk)

You can also direct enquiries to the Enquiry Desk (just inside the silent study area on Floor 1). The desk is staffed 11.00-4.00 weekdays.

There is a team of Subject Librarians on Floor 1. for further contact details consult <http://www.brad.ac.uk/library/services/subjlib.php>

Please keep for reference

## ***Library Catalogue***

The Library catalogue can be used to find the books the Library has on a given subject - use the keyword search.

Some of the more important class numbers for material related to Computing courses are:

Artificial intelligence	A 001.535 or L 681.31.05
Business management	E 658
Computer electronics	W 621.377.6
Computer graphics	L 681.31:62.011
Computer programming	L 681.31.06
Cryptography	L 681.31.025
Digital electronics	W 621.377.6
Economics	E 330
Electronic engineering	W 621.37
Human /computer interface	L 681.31.015
Internet law	D 343.0999
Marketing	E 658.8
Mathematics	L 51
Robotics	U 609.255
Semiconductors	W 621.382
Software engineering	L 681.31.069.1
Telecommunications	W 621.39

Bear in mind that some subjects have several aspects, which may mean that you will find books on them in more than one section. For example, computer electronics is W 621.377.6 but computing (including software) is L 681.31.

**No book in the catalogue?- Use reference sources to search for information.**

Dictionaries, encyclopedias and handbooks contain information in small convenient chunks. The entries tend to be concise and informative.

**Dictionaries**

Elsevier's dictionary of cybernoms. 2000.	F 030.6813 PYP
Geroimenko, Vladimir Dictionary of XML technologies and the semantic Web, 2004.	L 681.327.82(03) GER
Stevens, R.T. Computer graphics dictionary. 2002.	L 681.31:62.011(03) STE
IEEE standard dictionary of electrical and electronics terms. 6th ed. 1997	W 621.3(03) IEE

**Encyclopaedias**

Tulloch, M. Microsoft encyclopedia of security	L 681.31.025(03) TUL
Wiley encyclopaedia of electrical and electronics engineering. 24v. 1999.	W 621.3(03) WIL
McGraw-Hill encyclopedia of science and technology. 9th ed. 2002. The most up to date large general scientific encyclopaedia).	Z 032 MAC

## Handbooks and Directories

Proctor, R. W. Handbook of human factors in Web design, 2005	L681.327.82 PRO
Ilyas, M., Mobile computing handbook, 2004	L681.327.826 ILY
Computer security handbook. 2002.	L 681.31.025 COM
The Britsoft book : 2003. 2002.	Gen Ref L 681.31.06(083) BRI
Stanney, K.M. Handbook of virtual environments. 2002.	L 681.327.83 STA
Electrical engineer's reference book. 2003.	W 621.3(083) ELE

### ***Still stuck? Looking for the latest info?- Databases and Portals index the contents of journals and conferences.***

The Library subscribes to databases so that students and staff can access information not freely available on the web. An **Athens username and password** will be in your first or second email. You will need it for the first login to databases and articles from outside the University and sometimes from within, e.g. the British Standards Online. If you have deleted or forgotten it use the online form "Athens login request" available from Library Quicklinks on the Library Web for a reminder. Subsequent logins will need your UB username and password.

If you have problems using any of the resources please ask one of the Subject Librarians for help. It's useful for us to know of any down time and we can prompt a quick recovery or suggest alternative methods or sources.

The large services you might like to try are

#### **Web of Knowledge.**

A set of databases particularly useful for interdisciplinary searching. The largest of our databases. Covers Social Sciences, Sciences, Arts & Humanities and includes a conference database.

#### **IEEE Xplore**

IEEE journals online with their own search system. There is also coverage of IEE and some ACM titles and the IEEE and IEE conferences. Access to full text of IEE Proceedings is available but not through this system. IEE Proceedings are available online through their own portal. IEE Conferences are held in print. ACM publications are as below.

#### **ACM Portal**

ACM journals and SIG publications can be accessed through their own portal, also searchable. All items in this service are available online - on campus only.

## **Compendex**

This is an engineering database covering all fields within engineering from 1970-. The paper copy of Engineering Index 1940-2000 is also available in Abstracts at T 62.

## **Proquest**

ProQuest ABI Inform provides articles and abstracts dealing with public and private companies, industry research, marketing and advertising , finance and human resources.

## **BSOnline**

BSOnline provides access to a full current set of British Standards. Some other Standards are also available. Please use the help at

<http://www.brad.ac.uk/library/elecinfo/webstan.php>. A similar introduction to Patents is at <http://www.brad.ac.uk/library/elecinfo/patents.php>.

## ***More useful information sources (online) - (This is a selection from the Computing MetaLib page)***

[Intute: Science, Engineering and Technology](#) The new HE gateway to quality information in Science, Engineering and Technology

[W3C](#) "The World Wide Web Consortium (W3C) develops interoperable technologies (specifications, guidelines, software, and tools) to lead the Web to its full potential. W3C is a forum for information, commerce, communication, and collective understanding "

## Referencing

When you search the different resources in this guide, many times you will be given a citation or reference. This contains all the information you need to be able to find the source in a library.

Make a note of the Author, Title- if it is a journal you will also need the journal title (sometimes called Source title)- volume and page numbers for any of your results you want to find. If in doubt note all the information you are given (or save it onto disk). The next step is to search by the title, journal title or Source on the Library catalogue. If we do not have it you will need to submit an Inter-Library Loan for it.

A reference in the Harvard Referencing format is:

### Journals

Surname, I. N. (Year) Title of paper. *Journal title*, Volume(Part), firstpage-lastpage

### Books

Surname, I.N. (Year) *Title of book*. City: Publisher

For more information on referencing see the Harvard Referencing handout

*Citing and referencing with the Harvard system* at <http://www.brad.ac.uk/library/electinfo/cite.php>.

**EndNote X and the online version, EndNote Web**, is a package available to store and formulate references for any essays or other work. Information about EndNote is at <http://www.brad.ac.uk/library/electinfo/endnote/>. In its original form it is not very friendly to online resources. However, the Bradford implementation includes amended output styles for Harvard and IEEE. If you choose the **Harvard(Brad)** style you have the choice of a functional electronic journal article type, etc. The Harvard/IEEE(Brad) Output Styles can also be copied and used in personal copies of EndNote X, see instructions at <http://www.brad.ac.uk/library/documents/endnote8styles.pdf>, or under **About EndNote** on the EndNote webpage.