

Databases

The databases most relevant to Science and Computing are as follows:

Environment - A database of official publications on environmental topics such as air quality, climate, ecology, environmental management, pollution, radiation, waste management, water management etc

Infotrac One File - A multi-disciplinary database of articles from over 10,000 journals, magazines and newspapers. The database is updated daily and contains in excess of 53 million items of which approximately 60% are in full text.

Science Direct

Access to over 1600 science related journals with full-text access for the last 6 years.

Web of Science

ISI Web of SCIENCE allows IT Carlow users access to three indexing & abstracting databases. These are: Science Citation Index Expanded (SCI-EXPANDED) 1945-present, Social Sciences Citation Index (SSCI) 1956-present and Arts & Humanities Citation Index (A&HCI) 1975-present.

Most databases can be searched from the Summon search service, or individually by going to : <http://www.library.itcarlow.ie/screens/dbasesnew.html>

The majority of the above listed databases can be accessed from outside I.T. Carlow. Users will be asked for their name/library membership number or for a specific login/password. Please contact Library staff for the relevant passwords.

Useful Websites

Lists of useful websites for Science can be accessed via the Science Subject Portal at: http://www.library.itcarlow.ie/screens/science_subport.html

For general information on the Library, please go to: <http://www.library.itcarlow.ie/screens/libinfo.html>

For more detailed guidance on using the Library Catalogue, please go to: http://www.library.itcarlow.ie/screens/help_index.html or refer to the printed leaflet 'Using the Library Web Catalogue (OPAC)'

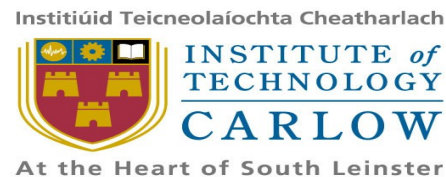
Contact Details

Liaison Librarian to School of Science:

Simon Perry

Tel: Ext. 5766

Email: simon.perry@itcarlow.ie



Institute of Technology, Carlow
Kilkenny Road
Carlow

Phone: 059 - 917 5760
Fax: 059 - 917 5005
library@itcarlow.ie

Revised August 2011



Library Guide

Science & Computing



<http://www.library.itcarlow.ie>

Science and Computing

The Library holds a broad range of resources, both printed and electronic, to support the many subject areas studied in the School of Science. The Library contains a collection of Science material including books, journals, databases, annual reports, theses, and various other items. The services provided by the Library include book lending, individual and group study facilities, photocopying, information retrieval service, language materials and access to a range of online databases.

This guide gives a brief outline of the resources available in the Library for Science students.

Web OPAC (Library Catalogue)

The Library catalogue is the starting point for locating information on a particular subject. It is a searchable listing of all materials held in I.T. Carlow libraries. Users can search this listing under a variety of search terms such as Author, Title, Journal title, Subject, Keyword, Combine Author/Title, ISBN, Shelf number or Series. The online library catalogue also acts as an information portal to quality web-based resources, e-journals and databases.

The Library Catalogue is available on the Internet at :
<http://www.library.itcarlow.ie>
and can also be accessed on a smartphone by going to:
<http://www.libanywhere.com/la/361>

or by scanning this QR code:



Printed Resources

The library's overall book stock exceeds 30,000 volumes. They are shelved in subject order according to the Dewey Decimal Classification system. Each book in the Library is assigned a Dewey shelf number that identifies its subject matter. This number can be found on the book's spine.

The following is a broad outline of the Dewey numbers that are relevant to Science:

001 - 007	Computing
500 - 599	Science, including:
510	Mathematics
540	Chemistry
570	Biological Sciences
610 - 618	Medical Science
658	Business and Management
660 - 663	Chemical Engineering
664	Food Science

The general lending collection is located on the ground floor (Stacks 1 – 8)

The short loan collection is located on the ground floor (Stack 9)

The reference collection is located on the ground floor (stacks 14-16)

Journals

The Library subscribes to over 230 print journal titles, many of which relate to Science. The current year's journals are located in Stack 15 on the ground floor beside the reference collection. Back issues of journals are located in the Journal Archive section (Stacks 9 – 13) on the ground floor.

Journals are often a source of the most current information on a topic and are arranged in subject order like books using Dewey shelf numbers.

E.g. 004 Personal Computer World
500.9 Nature

Theses

A range of undergraduate and postgraduate theses are available for consultation in the library. These are held behind the Library Issue desk. A listing of these is available at:

<http://www.library.itcarlow.ie/screens/theses.html>

Exam Papers

The Library makes available print versions of exam papers for the last three years. These are held behind the Library desk and can be borrowed for a one hour loan period.

Exam papers are also available online through the Blackboard learning system.

Online Resources

Access to most of the Library's online resources can be gained by using the Summon search service: this can be searched from the Library Catalogue, or by going to: <http://itcarlow.summon.serialssolutions.com/>. Please see the separate information leaflet on how to search Summon for further details.

In addition the online Science Subject Portal (http://www.library.itcarlow.ie/screens/science_subport.html) provides links to subject specific pages which provide information on electronic information resources for Science.

Electronic Books

The Library provides access to over 74000 electronic books. Individual titles can be searched for on the catalogue or through the Summon search service.. A full list of titles can be found at <http://www.library.itcarlow.ie/screens/ebooks1.html>.

Electronic Journals

Access is provided via the Summon search service to over 50000 e-journal titles, some of these are journals which the Institute subscribes to and others are free. Further information can also be found on the e-journal portal at:
<http://nu6tz2wf4g.search.serialssolutions.com/>