

Civil Engineering

1. Getting started - *What's it all about?*

If you are not sure what your topic is all about, look it up in a **dictionary** or **encyclopedia**. Start with:

Title	Item Location	Call No.
UXL encyclopedia of water science	Kejuruteraan	GB662.3.U96 2005 r Kejuruteraan
Dictionary of environmental and civil engineering	Kejuruteraan	TA9.W382 2002 r Kejuruteraan
Dictionary of civil engineering	Kejuruteraan	TA9.S4272 r Kejuruteraan

What's the latest? For a recent overview of your topic try a **handbook** or a **yearbook**. They can have all kinds of facts, figures and precise information. Try:

Title	Item Location	Call No.
Concrete construction engineering handbook	Kejuruteraan	TA681.C744 1997 r Kejuruteraan
The civil engineering handbook	Kejuruteraan	TA151.C583 2003 r Kejuruteraan
Handbook of structural engineering	Kejuruteraan	TA633.H236 2004 r Kejuruteraan
ACEM yearbook (majalah)	PHS 2	TA12.A8492 f r

2. Next steps *Start with a book*

Use the **Keyword search** in the Library's Catalogue. You can search using words like - **bridge and construction**.

You can also browse the Catalogue, or browse the shelves at the following **call numbers** -

TA1-2040	General engineering; General civil engineering
TC1-1800	Hydraulic and ocean engineering
TD1-1066	Environmental technology; Sanitary engineering
TE1-450	Highway engineering
TG1-470	Bridge engineering
TH1-9745	Building construction

3. Locating up-to-date information *Subject-specific journal articles*

For recent information, journal articles are often the best sources. Looking through individual journals in the hope of finding relevant material is time-consuming. It is better to use the databases to find articles on your topic. Access to *all databases* is via the Library's Database Page.

Start with the following **key databases** for this subject –

Database name	Content Notes
Science Direct	ScienceDirect is the world's best internet resource for Scientific, Technical and Medical information. Using ScienceDirect you can access over 1,800 peer reviewed academic journals, search over 60 million abstracts from scientific articles
Engineering Village 2	Engineering Village 2 offers a powerful web-based discovery platform featuring the broadest scope and coverage of scholarly literature, trade publications, patents, hard-to-find conference proceedings, technical reports, and engineering information available anywhere including access to over 8 million abstracts from Compendex.
ASCE Research Library	The ASCE Research Library is a comprehensive online tool for locating articles of interest across all disciplines of civil engineering. The Research Library provides you with unprecedented access to more than 40,000 full-text papers from ASCE Journals and Proceedings published - that's over 400,000 pages! Approximately 4,000 new papers will be added each year.

There may be other databases for this subject. Check online at <http://www.lib.usm.my/elmu-equip/subsdatabases.jsp>

Make sure you use the right words for your search. When you are searching, near enough may not be good enough. Ask the Library staff for help check a database guide or attend an information skill class.

Once you have found your journal articles, you may need to search the Library's catalogue for the journal title. Use the Title or Keyword search in the Catalogue. Remember that many journals are now available in full text online through the Library's Catalogue. They are also linked directly from within your database search.

4. Exploring further *Selected Internet sites*

Start with the following **key internet sites** for this subject –

http://www.eng.uq.edu.au/civil/	Division of Civil Engineering, The University of Queensland
http://www.asce.org/	American Society of Civil Engineers
http://www.aci-int.org/	American Concrete Institute
http://www.steel.org/	Steel Works
http://www.transportroundtable.com.au/	Transport Roundtable Australasia
http://www.awa.asn.au/	Australian Water Association
http://www.iahr.net/site/index.html	IAHR - International Association of Hydraulic Engineering and Research

5. Finding specialized information *You may also need these*

For some topics you will need to consult specialist information sources.

British Standards	T50.M294 f Kejuruteraan	British Standards Institution
ASTM	TA404.5.A512 2005 f Kejuruteraan	Annual book of Standards

More questions? – Ask at the information desk in any branch Library or check the Library's Web Page: <http://www.library.eng.usm.my>