

Subject Guides

Aerospace 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.
The Cambridge encyclopedia of Space	PHS 1	TL788.C178 f r
The Cambridge dictionary of space technology	Kejuruteraan	TL788.W731 2001 r Kejuruteraan
SAE dictionary of aerospace engineering	Kejuruteraan	TL509.S678 1998 r Kejuruteraan
The dictionary of space technology	Kejuruteraan	TL788.A584 1999 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.
AIAA aerospace design engineers guide	Kejuruteraan	TL551.A512 2003 Kejuruteraan
The standard handbook for aeronautical and astronautical engineers / Mark Davies, editor-in-chief	Kejuruteraan	TL509.S785 2003 Kejuruteraan

2. Next Steps - *Start with a book*

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

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

TL500 - 777	Aeronautics, Aeronautical Engineering
TL780 - 785.8	Rockets
TL787 - 4050	Astronautics, Space Travel

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
Cambridge Scientific Abstracts	CSA's Internet Database Service provides access to more than 50 databases covering major areas of research, including materials science, environmental sciences and pollution management, biological and medical sciences, agricultural sciences, aquatic sciences & fisheries, earth & environmental sciences, biotechnology, engineering, aerospace sciences, computer science, sociology, market

	research and Arts & Humanities including linguistics
Web of Science	World Wide Web database service, to the ISI citation databases: Science citation index expanded Social sciences citation index and Arts & humanities citation index. ISI Citation Databases are multidisciplinary databases of bibliographic information indexed so that you can search for specific articles by subject, author, journal, and/or author address. Because the information stored about each ...

There may be other databases for this subject. Check online at <http://www.lib.usm.my/elm-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 skills 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.aiaa.org/	American Institute of Aeronautics and Astronautics
http://www.nasa.gov	NASA
http://www.onera.fr/english.php	French National Aerospace Research Establishment (ONERA)
http://www.raes.org.uk/	Royal Aeronautical Society
http://www.sbac.co.uk/	The Society of British Aerospace Companies
http://www.uq.edu.au/hypersonics/	UQ Centre for Hypersonic
http://www.aerospaceonline.com/	Aerospace Online
http://www.aero.org/index.html	The Aerospace Corporation
http://www.raes.org.au/	Royal Aeronautical Society Australian Division
http://www.aerospacequeensland.com/	Aerospace Queensland

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>