

Subject Guide to

## S4: Mechanical Engineering

This and other Subject Guides are available online at: <http://library.swantafe.wa.edu.au/>

### **Browse the Shelves**

*The resources in the LRC are arranged using the Dewey Decimal System. Use these call numbers to find resources on the shelves:*

<b>510</b>	Mathematics	<b>621</b>	Mechanical engineering
<b>512</b>	Algebra	<b>621.3</b>	Electrical engineering
<b>515</b>	Calculus	<b>621.4021</b>	Thermodynamics
<b>519</b>	Statistics	<b>621.8</b>	Mechanical & machine design
<b>604</b>	Technical drawing	<b>624</b>	Civil engineering
<b>620</b>	Engineer mechanics	<b>690</b>	Buildings & structure

### **Search the Catalogue**

*Search for these keywords in the online LRC catalogue to help you locate resources. You can limit your search by Campus if you want to find resources at a specific location (eg.Swan-Tech Centre).*

Applied design	Machinery	Statics
Fluid mechanics	Mark standards	Technical drawing
Heat transfer	Materials handling	Thermodynamics
Hydraulic	Mechanical engineering	Vibration

## **Journals/Magazines**

Journals use the same Dewey numbers as books. Journals available at the Carlisle Technology Centre Library:

<b>333.79 INS</b>	<i>Insulation: the energy efficiency newsletter</i>
<b>333.793 COG</b>	<i>Cogeneration and on-site power production</i>
<b>604.0285 CAD</b>	<i>Cadalyst: the complete CAD management and technical resource</i>
<b>621.31 ENE</b>	<i>Energy bulletin</i>
<b>621.381 SIL</b>	<i>Silicon chip</i>
<b>622.099405 AUS</b>	<i>Australian journal of mining: AJM</i>
<b>670 MAN</b>	<i>Manufacturers Monthly</i>

## **Databases**

These and other databases are available on the LRC website by clicking on the "Databases" link. Ask LRC staff for login details or assistance:

<b>Australian Standards</b>	Online access to the full text of Australian Standards in pdf format
<b>Building Code of Australia</b>	Online access to the full-text of Vol. 1 (Housing Provisions and The Guide) as well as the BCA Archives 1988-90
<b>InfoTrac OneFile</b>	Full-text and citation database of news and journal articles on a wide range of topics, including colour images and referencing information (Titles include: <i>IEEE transactions</i> and <i>Mechanical engineering-CIME</i> )
<b>Scientific American</b>	Full-text version of Scientific American magazine from 1993 to the latest issue

## **Internet Resources**

Links to websites related to this subject area. See "Weblinks" on the LRC website for more links.

<a href="http://www.gdargaud.net/Humor/Engineer.html"><i>Engineer Humour</i></a>	<a href="http://www.gdargaud.net/Humor/Engineer.html">http://www.gdargaud.net/Humor/Engineer.html</a>
<a href="http://www.efunda.com/"><i>Engineering Fundamentals</i></a>	<a href="http://www.efunda.com/">http://www.efunda.com/</a>
<a href="http://www.engineersaustralia.org.au/"><i>Engineers Australia</i></a>	<a href="http://www.engineersaustralia.org.au/">http://www.engineersaustralia.org.au/</a>
<a href="http://www.wa.engineersaustralia.org.au/"><i>Engineers Australia WA Division</i></a>	<a href="http://www.wa.engineersaustralia.org.au/">http://www.wa.engineersaustralia.org.au/</a>
<a href="http://www.math.hmc.edu/calculus/tutorials/"><i>HMV Mathematics Online tutorial</i></a>	<a href="http://www.math.hmc.edu/calculus/tutorials/">http://www.math.hmc.edu/calculus/tutorials/</a>
<a href="http://www.imeche.org.au/"><i>Institution of Mechanical Engineers</i></a>	<a href="http://www.imeche.org.au/">http://www.imeche.org.au/</a>
<a href="http://www.memagazine.org/"><i>Mechanical Engineering Magazine</i></a>	<a href="http://www.memagazine.org/">http://www.memagazine.org/</a>
<a href="http://people.hofstra.edu/faculty/Stefan_Waner/RealWorld/tutindex.html"><i>Online tutorials for mathematics</i></a>	<a href="http://people.hofstra.edu/faculty/Stefan_Waner/RealWorld/tutindex.html">http://people.hofstra.edu/faculty/Stefan_Waner/RealWorld/tutindex.html</a>

**Please ask LRC staff if you require further assistance or information on this subject.**