

## ***Surgery for Engineers Helpful Resources***

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Carnegie Mellon University Libraries Research Guides: <http://guides.library.cmu.edu/>

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*Engineering & Science Library, 4<sup>th</sup> floor Wean Hall:*

**Critical Reviews in Biomedical Engineering** - Find alphabetically by title.

**Encyclopedia of Biomaterials and Biomedical Engineering**, 2<sup>nd</sup> ed.

4 volumes, find in the Reference Books area: R857 .M3E53 2008.

**JAMA , the Journal of the American Medical Association**

Print issues available. Email [sciref@andrew.cmu.edu](mailto:sciref@andrew.cmu.edu) to obtain login for recent issues.

**New England Journal of Medicine**

Print issues available. Most recent issues also available online via 2 Library computers.

*Online:*

**BioMed Central** - Open access to peer-reviewed biomedical research articles.

**BioMedical Engineering Online** - Open access, peer-reviewed, online journal.

**Google Scholar** - Try the Advanced Scholar Search. Look for: Carnegie Mellon Fulltext.

**Mayo Clinic Clinical Trials** - Current studies for particular conditions/diseases.

**National Library of Medicine** - Biomedical Research & Information guide.

**University of Pittsburgh Library System**

In-person access to computers within [Hillman Library](#):

You can use the University of Pittsburgh's electronic databases and journals including the [Health Sciences Library System](#) ONLY when you ask for a guest account at their reference desk. → Bring your Carnegie Mellon ID.

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*Donna Beck, Engineering Librarian, [donnab@andrew.cmu.edu](mailto:donnab@andrew.cmu.edu), 412-268-7213*  
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Try the “Browse Subjects” search for Biomedical Engineering.

**Access Science** —Encyclopedia of Science & Technology Online.  
Research updates, “Medicine” “Engineering & Materials” categories, Images of the Week.

**Annual Reviews** – Annual Review of Biomedical Engineering.

**Compendex** (Engineering Index) – can also search with **Inspec** + **NTIS**.  
Interdisciplinary bibliographic engineering database – goes back to 1884.

**Credo Reference** – medical dictionaries and encyclopedia entries.

## **Encyclopedia of Medical Devices & Instrumentation**

**IEEE Xplore** – includes access to *IEEE Transactions on Biomedical Engineering* and *Engineering in Medicine and Biology* conference proceedings.

**Kirk-Othmer Encyclopedia of Chemical Technology** – up-to-date topics.  
Summaries include applied chemical science and biotechnology.

**Knovel** – 2,000+ full-text manuals, handbooks, & encyclopedias + data analysis tools.

**MetaLib** – multiple database search. Try *Basic Search*: “Engineering/Tech” category.

**PubMed** – U.S. National Library of Medicine/National Institutes of Health.  
Free search engine to biomedical literature/MEDLINE → [TUTORIALS](#) → [Pubget](#) for PDFs

**SciFinder Scholar** – access to Chemical Abstracts, technical reports & patents.

**Synthesis Digital Library** – Synthesis Lectures on Biomedical Engineering.

**Testing & Education Reference Center** – MCAT and other graduate practice tests.

**U.S. Patents (USPTO)** – United States Patent and Trademark Office [Research Guide](#)  
Also try: [Google Patents](#) Patent number search to obtain PDFs: [pat2pdf.org](http://pat2pdf.org)  
[Medical and Dental Device Patenting blog](#) [Recent patents in Biomedical Engineering](#)

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