Biomedical Engineering

The following is a selected list of resources for starting biomedical engineering research at Carleton University.

E-Book Collections

**CRCnetBase**: Hundreds of CRC Press titles in engineering

**Knovel**: Collection of science & engineering reference handbooks

**MyiLibrary**: Access to Springer and Taylor & Francis publishers

**Books 24x7**: Engineering and technology titles

REFERENCE BOOKS - GENERAL

- *Biomedical engineering & design handbook*. 2 v. R856.15.S73 2009 (Floor 1)
- *A dictionary of biomedicine*. 2010. Online access via Library Catalogue

REFERENCE BOOKS – SELECTED TOPICS

**Bioinformatics**

- *Wiley dictionary of bioinformatics & computational biology*. QH342.2.W54 2004 (Floor 1)
- *Compact handbook of computational biology*. QH324.2.C634 2004 (Floor 1)

**Biomaterials**

- *Encyclopedia of medical devices & instrumentation*. Online access via Library Catalogue
- *New materials & technologies for healthcare*. Online access via Library Catalogue
- *Plastics in medical devices: properties, requirements & applications*. 2010. Online access via Library Catalogue

**Medical Imaging**

- *Handbook of research on advanced techniques in diagnostic imaging & biomedical applications*. R857.O6.H367 2009 (Floor 1)
- *Handbook of medical imaging*. RC78.7.D53H36 (3 vols) or online access via Library Catalogue (Vol 1, Vol 2, Vol 3)
**Handbook of biomedical image analysis.** 2005.
Online access via Library Catalogue

**Handbook of photonics for biomedical science**
R857.O6.H366 2010 (Floor 1)

**Handbook of biomedical optics.** 2010.
Online access via Library Catalogue

**Handbook of research on advanced techniques in diagnostic imaging & biomedical applications.** 2009.
R857.06.H367 2009

**Nanotechnology**

**Dekker encyclopedia of nanoscience and nanotechnology.** 2009.
Online access via Library Catalogue

**Springer handbook of nanotechnology.** 2010.
Online access via Library Catalogue

**Dictionary of nanotechnology, colloid & interface science.**
REF T174.7.S37 2008

**Handbook of nanofabrication.**
TA418.9.N35.H355 2010 (Floor 1)

**Nanomaterials handbook.**
TA418.9.N35.N33 2006 (Floor 1)

**Ethics**

**Ethics for bioengineers.** 2012.
Online access via Library Catalogue

**Ethics in engineering practice & research.**
2011.
Online access via Library Catalogue

**Engineering ethics: outline of an aspirational approach.** 2009.
Online access via Library Catalogue

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**FIND A BOOK (Catalogue Searching)**

Perform a KEYWORD search to find other resources on your topic. (Since Library of Congress SUBJECT searches are so specific, it is sometimes recommended to perform a KEYWORD search first). Once you’ve clicked on a book you like, scroll down the record to see the list of SUBJECT HEADINGS that fall under that particular book.

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**FIND A JOURNAL ARTICLE (Database searching)**

- EI Engineering Village (Compendex Web)
- EMBASE/Medline
- IEEE Xplore
- PubMed
- Web of Science
- Scopus
- Inspec

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**OTHER SOURCES**

- **Interlibrary Loans (ILL)**- If Carleton does not own an item, place an order through ILL to get it delivered to you. Please see link to RACER/Interlibrary loans on the Library website for more information.

- **Patents**- Please look for more information in the FIND section of the Library website

- **Internet Resources**- Please see Subject Guide for Biomedical Engineering on the Library website for more information.