

Selected Resources for Civil Engineering Technology 101

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(Jan. 2008)

DATABASES

Engineering Village 2 - summaries of articles covering all types of engineering

ScienceDirect – full-text journal articles in science and technology from 1997+

ProQuest – full-text articles from magazines, newspapers, and journals

IEEE Xplore – full-text IEEE journals from 1998+

CATALOGS at <http://www.sunyit.edu/library> Select catalogs

SUNYIT Catalog – A catalog of all items owned by Cayan Library.

WorldCat – An international huge world-wide catalog of books, websites, maps, etc.

SCHOLARLY INTERNET SEARCHING

Google Directory <http://www.google.com>, select about google, then tools, then directory

Google Scholar <http://www.google.com> select about google, then tools, then scholar

Scirus Search Engine <http://www.scirus.com>

ORGANIZATIONS

The American Society of Civil Engineers - association for civil engineers with 124,000 members in 142 countries <http://www.asce.org/asce.cfm>

National Society of Professional Engineers <http://www.nspe.org>

ENGINEERING ETHICS

National Society of Professional Engineers <http://www.nspe.org/ethics/home.asp>

Engineering Ethics Center (EEC) from the National Academy of Engineering
<http://www.onlineethics.org>

SELECTED CIVIL ENGINEERING WEB SITES

efunda - engineering fundamentals, equations, materials, units and more

<http://www.efunda.com/home.cfm>

Science.gov is a gateway to over 50 million pages of authoritative selected science information provided by U.S. government agencies <http://www.science.gov>
Select applied science and technologies

The Intute Engineering Gateway provides free access to high quality resources on the Internet. Each resource has been evaluated and categorized by subject specialists

<http://www.intute.ac.uk/sciences/engineering>

The Internet for Civil Engineers <http://www.icivilengineer.com>

The Bridge Pros site is dedicated to the Engineering, History & Construction of Bridges
<http://bridgepros.com>

LUSAS Bridge (software) is used by engineers worldwide for all types of bridge analysis, design and load rating, this site provides academic case studies, click on case studies.

<http://www.lusas.com>

Free building cost estimator at <http://building-cost.net>

Martindale's Calculators On-Line www.martindalecenter.com/Calculators.html

Wolfram_MathWorld, extensive mathematics resource <http://mathworld.wolfram.com>

National Institute for Standards and Technology- measurements and standards

<http://www.nist.gov> Select publications

Galaxy: Engineering and Technology - a website directory, select technology, then engineering <http://www.galaxy.com>

MIT OpenCourseWare free lecture notes, exams, and other resources from more than 1700 courses spanning MIT's entire curriculum.

<http://ocw.mit.edu/OcwWeb/web/home/home/index.htm>

"Howstuffworks explains hundreds of subjects, from car engines to lock-picking to ESP, using clear language and tons of illustrations." <http://www.howstuffworks.com>

Science and Engineering Statistics from the National Science Foundation: Publications, data, and analyses about the nation's science and engineering resources

<http://www.nsf.gov/statistics>