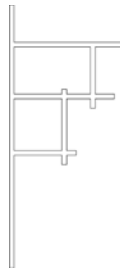


# CIVIL ENGINEERING



*Madigan Library*

---

## Classification of Materials

The Library of Congress classifications for civil engineering and surveying are TA. More specifically, TA is broken down as follows:

TA1-2040 Engineering (General). Civil eng. (General)	TA349-359 Mechanics of engineering. Applied mechanics
TA164 Bioengineering	TA365-367 Acoustical engineering
TA165 Engineering instruments, meters, etc.	TA401-492 Materials of engineering and construction
TA166-167 Human engineering	TA495 Disasters and engineering
TA168 Systems engineering	TA501-625 Surveying
TA170-171 Environmental engineering	TA630-695 Structural engineering (General)
TA174 Engineering design	TA703-712 Engineering geology. Rock & soil mechanics
TA177.4-185 Engineering economy	TA715-787 Earthwork. Foundations
TA190-194 Management of engineering works	TA800-820 Tunneling. Tunnels
TA197-198 Engineering meteorology	TA1001-1280 Transportation engineering
TA213-215 Engineering machinery, tools, & implements	TA1501-1820 Applied optics. Photonics
TA329-348 Engineering mathematics & analysis	TA2001-2040 Plasma engineering

Browsing in any of these areas may lead to the discovery of valuable material in addition to the specific items listed in this guide. You may also want to look in the TC (hydraulic engineering, ocean engineering), TD (environmental engineering, sanitary engineering), TE (highway engineering, roads and pavements), TF (railway engineering and operation), TG (bridge engineering), and TH (building construction) sections.

## Catalogs and Indexes

The Madigan Library's online catalog includes information about all items in the library's physical and virtual collections. When using the catalog, you may search by **author**, **title**, **subject**, or **words or phrase**. You can limit your search to videos, DVDs, etc. by choosing the **Media Search** feature. You can also choose the **Periodicals Search** feature to find magazines, journals and newspapers the library subscribes to in print or electronically. Note, however, this type of search does not locate individual articles. To do this, use the **Databases** link from the library's home page and choose a broad subject heading, such as **Science and Technology**.

## Journals

Listed below are some magazines and journals to which the Madigan Library currently subscribes:

ACI Structural Journal*	Journal of Construction Engineering and Management*
Civil Engineering	Journal of Engineering Technology*
Concrete International*	Journal of Management in Engineering*
Corrosion*	Materials Science and Technology*
Cost Engineering*	Point of Beginning: P.O.B.
ENR*	Professional Surveyor
Inside GNSS	Transportation Science*

\* Denotes electronic access only

In the following lists, REF indicates resources in the Reference Collection on the 1<sup>st</sup> Floor of the Madigan Library.

### Dictionaries

ASTM Dictionary of Engineering Science and Technology	REF TA402 .A86 2005
Contractors' Dictionary of Equipment, Tools, and Techniques for Civil Engineering, Construction, Forestry, Open-Pit Mining, and Public Works	REF TA9 .W43 1995
Dictionary of Civil Engineering	REF TA9 .K88 2004
Dictionary of Engineering	REF TA9 .M35 2003
Dictionary of Engineering Acronyms and Abbreviations	REF T11 .K43 1994
Dictionary of Materials and Testing	REF TA402 .D55 2000
Pocket Illustrated Dictionary of Engineering Terms	REF TA9 .T56 2001

### Encyclopedias

Building the World: An Encyclopedia of the Great Engineering Projects in History	REF T56 .I44 2006 v.1-2
McGraw-Hill Concise Encyclopedia of Engineering	REF TA9 .M345 2005
McGraw-Hill Encyclopedia of Engineering	REF TA9 .M36 1993

### Guides and Handbooks

AASHTO Provisional Standards	REF TE200 .A27 2007
Annual Book of ASTM Standards (every other year, as published)	REF TA401 .A653
ASM Ready Reference: Properties and Units for Engineering Alloys	REF TA483 .A78 1997
Civil Engineering Handbook	REF TA151 .C57 2003
CRC Handbook of Engineering Tables	REF TA151 .C76 2004
CRC Materials Science and Engineering Handbook	REF TA403.4 .C74 2001
Engineering Formulas	REF TA151 .G4713 2006
Engineering Handbook	REF TA151 .E424 2005
Eshbach's Handbook of Engineering Fundamentals	REF TA151 .E8 2009
Formulas for Stress, Strain, and Structural Matrices	REF TA407.2 .P55 2005
Guide to Writing as an Engineer	REF T11 .B396 2005
Handbook of Civil Engineering Calculations	REF TA332 .H35 2007
Materials Handbook	REF TA404.8 .C37 2008
McGraw-Hill's Engineering Companion	REF TA141 .M35 2003
Standard Handbook for Civil Engineers	REF TA151 .S8 2004
Standard Handbook of Engineering Calculations	REF TA332 .S73 2005
Standard Handbook of Engineering Calculations	REF TA332 .S73 1995
Standard Specifications for Transportation Materials and Methods of Sampling and Testing (print & CD-ROM)	REF TE200 .A615 2007 27 <sup>th</sup> ed.
Sweet's Catalog File: Architects, Engineers, and Contractors Edition	REF TH455 .S9 2009 vol. 1-8
Thomas' Register of American Manufacturers	REF T12 .T6 2006 vol. 1-16
Wiley Engineer's Desk Reference	REF TA151 .H424 1998

### World Wide Web Resources

The Madigan Library has many excellent resources available on the Internet. Use the homepage at [www.pct.edu/library](http://www.pct.edu/library) as a portal to them.

The Civil Engineering and Surveying Subject Guide is available at [www.pct.edu/library/research/subjectguides/civilengineering/](http://www.pct.edu/library/research/subjectguides/civilengineering/). Use this link to access Web sites that have been selected and evaluated by a librarian.