

## Chemistry/Mathematics

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Looking for information about a particular chemical compound? Need to write a paper on developments in current chemical research? These and many other questions can be answered with the aid of the resources listed below. If you have additional questions, ask the librarians. They are ready to assist you in finding the information you need.

### Reference Books

- Advanced Organic Chemistry: Reactions, Mechanisms, and Structure  
**547 M331a3**
- Biographical Dictionary of Mathematicians  
**R 510.922 B52**
- CRC Handbook of Chemistry and Physics  
**R 540.2 H191**
- Chemist's Companion: A Handbook of Practical Data, Techniques, and References  
**542 G65c**
- Conversion Factors  
**502.12 C772c**
- Dictionary of Named Effects and Laws in Chemistry, Physics and Mathematics  
**R 503 B21d2**
- Dictionary of Mathematics  
**R 510.3 D5615**
- Dictionary of Organic Compounds  
**R 547.003 D561 1996**
- The Elements  
**R 546 Em845e3**
- Encyclopedia of Chemical Technology  
**R 660.03 K6346**
- Encyclopedia of Computational Chemistry  
**R 542.85 En195**
- Encyclopedia of Inorganic Chemistry  
**R 546.03 En195**
- Encyclopedia of International Weights and Measure  
**R 530.81 J659n**
- Encyclopaedia of Mathematics  
**R 510.3 En191**
- Encyclopedia of Reagents for Organic Synthesis  
**R 547.2 En195**
- Encyclopedic Dictionary of Mathematics  
**R 510.3 En195 1987**
- Encyclopedic Dictionary of Named Processes in Chemical Technology  
**R 660.28103 C739e2**
- Essays on the History of Organic Chemistry in the United States, 1875-1955  
**547.009 T172e**
- Hawley's Condensed Chemical Dictionary  
**R 540.3 C745 2002**
- Hazardous Chemical Desk Reference  
**R 604.7 L672**
- Hazards in the Chemical Laboratory  
**R 542.028 H336 1986**
- History of Chemistry  
**540.9 B442h**
- Ideas in Chemistry  
**540.9 K743i**
- Inorganic Chemistry: A Modern Introduction  
**546 M722im**
- International Encyclopedia of Chemical Science  
**R 540.3 In8**
- Kirk-Othmer Ency. of Chemical Technology  
**R 660.03 K6346**
- Lange's Handbook of Chemistry  
**R 540.5 L263**
- MacMillan Dictionary of Measurement  
**R 389.103 D256m**
- MacMillan Encyclopedia of Chemistry  
**R 540.3 M228 1997**
- Mathematics Dictionary  
**R 510.3 J236m5**
- McGraw-Hill Concise Encyclopedia of Science and Technology  
**R 503 M178 1989**
- McGraw-Hill Encyclopedia of Chemistry  
**R 540.3 M178 1993**
- Nobel Laureates in Chemistry, 1901-1992  
**R 540.922 N664**
- Notable Mathematicians  
**R 510.922 N842 1998**
- Notable Women in Mathematics  
**R 510.922 N843**
- Official Methods of Analysis of the Association of Official Analytical Chemists  
**R 630.24 As78o**
- Prentice-Hall Encyclopedia of Mathematics  
**R 510.31 P918**

- SAX's Dangerous Properties of Industrial Materials  
R 604.7 L588d10
- VNR Concise Encyclopedia of Mathematics  
R 510.202 V1
- Von Nostrand's Scientific Encyclopedia  
R 503 V338 2002

## Books

510	Mathematics
540	Chemistry & Allied Sciences
660	Chemical Engineering

## Articles

Article databases can be found at  
(<http://www.swosu.edu/library/>)

- Academic Search Complete(EbscoHost)
- American Chemical Society Journal Archives
- Annual Review
- arXiv e-Print Archive
- BIOSIS Previews
- MathSciNet
- Today's Science

For a complete list of periodicals owned by the library, look at the Periodical List  
(<http://www.swosu.edu/library/>)

## Internet Resources

- ALLMATH.COM  
<http://www.allmath.com>
- CHEMDEX  
<http://www.chemdex.org>
- CHEMFINDER  
<http://chemfinder.cambridgesoft.com>
- CHEMICAL DATABASE  
<http://ull.chemistry.uakron.edu/erd/>
- CHEMICAL PHYSICS PREPRINT DATABASE  
<http://www.chem.brown.edu/chem-ph.html>
- CHEMICAL SEARCH ENGINE  
<http://www.neis.com/index.html>
- CHEMISTRY HYPERMEDIA PROJECT  
<http://www.chem.vt.edu/chem-ed/vt-chem-ed.html>
- CHEMISTRY MOLECULAR MODELS  
<http://www.uwsp.edu/chemistry/pdbs/>
- CHEMISTRY.ORG-ACS HOMEPAGE  
<http://www.chemistry.org/portal/a/c/s/1/home.html>
- CHEMSOC  
<http://www.rsc.org/chemsoc/>

- CHEMWEB.COM  
<http://www.chemweb.com>
- DATABASE OF ZEOLITE STRUCTURES  
<http://www.iza-structure.org/databases/>
- DICTIONARY OF ALGORITHMS AND DATA STRUCTURES  
<http://www.nist.gov/dads/>
- ENZYME NOMENCLATURE DATABASE  
<http://www.expasy.ch/enzyme/>
- EUROPEAN MATHEMATICAL INFORMATION SERVICE  
<http://emis.library.cornell.edu>
- FRANK POTTER'S SCIENCE GEMS  
<http://www.sciencegems.com>
- GREEK ALPHABET  
<http://www.mathacademy.com/pr/prime/articles/greek/index.asp>
- HISTORIC MATH BOOK COLLECTION  
<http://historical.library.cornell.edu/math/>
- HOW MANY? A DICTIONARY OF UNITS OF MEASUREMENT  
<http://www.unc.edu/~rowlett/units/index.html>
- INSTRUCTIONAL RESOURCES FOR CHEMISTRY  
<http://www.chem1.com/chemed/>
- INTERNATIONAL CENTRE FOR DIFFRACTION DATA  
<http://www.icdd.com>
- KLOTHO: BIOCHEMICAL COMPOUNDS DECLARATIVE DATABASE  
<http://www.biocheminfo.org/klotho/>
- (MATERIAL SAFETY DATA SHEETS) MSDS DATABASES  
<http://www.msdssearch.com/DBLinksN.htm>
- MATH FORUM  
<http://mathforum.org/math.topics.html>
- MATHEMATICS ON THE INTERNET  
<http://www.mcs.csuhayward.edu/~malek/Mathlinks/Mathlinks.html>
- NIST CHEMISTRY WEB BOOK  
<http://webbook.nist.gov/>
- NOBEL PRIZE INTERNET ARCHIVE  
<http://nobelprizes.com/nobel/nobel.html>
- PERIODIC TABLE  
<http://www.webelements.com>
- PROJECT EUCLID  
<http://projecteuclid.org>
- STN EASY  
<http://stneasy.cas.org/>
- UNDERSTANDING OUR PLANET THROUGH CHEMISTRY  
<http://minerals.cr.usgs.gov/gips/aii-home.htm>
- ZENTRALBLATT MATH DATABASE  
<http://www.zentralblatt-math.org/zmath/en/>