

WRIGHT STATE UNIVERSITY LIBRARIES

Collection Development Policy Statement

SUBJECT: Chemistry

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UNIVERSITY PROGRAMS

The Department of Chemistry (<http://www.chm.wright.edu/>) offers the following degree programs: Bachelor of Arts (B.A.), Bachelor of Science (B.S.), and Master of Science (M.S.). Two different B.S. degrees are available to students. One is certified by the American Chemical Society (ACS); the other is a B.S. in Chemistry with a pre-medical option and is not an ACS-certified degree. This second B.S. program combines many of the components of the ACS-certified program with offerings from the Life Sciences in order to help students prepare for medical or dental school. Additionally, the Department participates in two interdisciplinary degree programs: a Doctor of Philosophy (Ph.D.) program in Environmental Science and a B.S. degree in Chemistry Education.

The curricula of both the B.A. and B.S. programs are designed to prepare students for careers as professional chemists, for medical or dental schools, or for graduate work in chemistry. It is also possible to combine the chemistry major with studies in other sciences or nonscience fields. Some students opt to pursue a dual major in Chemistry and Biology.

The M.S. curricula permits individualized programs of study and research designed to prepare students for careers as professional chemists or for advanced degree study. Interdisciplinary research coordinated through joint programs with other departments is encouraged. Areas of specialization in the M.S. program include: Combinatorial Chemistry, Electrochemistry, Environmental Chemistry, Geochemistry, Laser Chemistry, Organic Synthesis, and Polymer Chemistry.

Most of the current undergraduate and graduate programs offered in the study of Chemistry at Wright State University have been in place since the University's earliest years. Faculty members from the Chemistry Department also participate in the College of Science and Mathematics' Ph.D. program in Environmental Sciences – which accepted its first students in 2002.

CLASSIFICATION OF LIBRARY MATERIALS

Library of Congress classification

QD 1-65	General, History, Technique
QD 71-142	Analytical
QD 146-197	Inorganic
QD 241-441	Organic
QD 450-801	Physical and Theoretical
QD 901-999	Crystallography
TP 200-248	Chemicals, Biotechnology
TP 250-261	Electrochemistry
TP 1080-1185	Polymers. Plastics

Superintendent of Documents classification

C 13	The National Institute of Standards and Technology
C 51	The National Technical Information Service
C 21	The Patent and Trademark Office
E	Energy Department
EP	The Environmental Protection Agency

SCOPE OF COLLECTION

Dates covered: intellectual content

Materials presenting recent developments in Chemistry comprise the greater part of purchases. However, materials dealing with the history of Chemistry are collected selectively.

Dates covered: publication dates

Most materials purchased are current imprints. Occasionally earlier imprints are collected or retrospective purchases are made for a monographic series or a journal backfile.

Geographic coverage

Chemical literature is international in scope and publication. While many items collected reflect North American research, there are no geographic restrictions placed on the country of publication or of research.

Language

English-language materials are collected. This includes translations into English. For specific research interests, materials may be collected in other languages, especially if their content is presented in table or graph format.

Types of materials

Monographic titles and serials are collected. Subscriptions to databases include those with citations to articles and those with full text. A list of databases relevant to Chemistry is available at <http://www.libraries.wright.edu/quicklinks/databases/subjects.php?id=10>

Format

Most items collected are in print and electronic format. Microforms, videos, digital videodiscs (DVDs) and other audio-visual and electronic materials are collected as needed. Access is provided to selected Internet resources through the Chemistry Research Guide (<http://www.libraries.wright.edu/services/researchguides/che/>) on the University Libraries web site.

Exclusions

Laboratory manuals, workbooks, and introductory-level textbooks are generally not collected.

LOCATION OF MATERIALS

Most of the materials pertinent to the field of Chemistry, including those in the area of Chemical Technology, are housed in the Paul Laurence Dunbar Library. Most of the Biochemical collection and the Medical and Pharmaceutical Chemistry collection are located in the Fordham Health Sciences Library. Older volumes of journals and some older books are stored at the Southwest Ohio Regional Depository. Many of the most frequently-used chemistry journals are available electronically through the Libraries' participation in the OhioLINK Electronic Journal Center and other electronic journal collections.

INTERDISCIPLINARY RELATIONSHIPS

Many of the subfields of Chemistry are interdisciplinary in nature. Therefore the selection of materials for Chemistry may overlap with selection in several other science areas, namely Biochemistry, Biology, Chemical Technology, Earth and Environmental Sciences, Materials Science, Pharmacology and Toxicology, and Physics.

ON-CAMPUS RESOURCES

The Chemistry department maintains a library of backfiles of some of the primary Chemistry journals, such as Journal of the American Chemical Society.

The Department of Environmental Health and Safety (<http://www.wright.edu/admin/ehs/>) provides licensed, campus-wide access to ChemWatch, a Material Safety Data Sheets database.

LOCAL AND REGIONAL RESOURCES

Local and regional collections

Considerable resources in the physical sciences and engineering are available locally in the library collections of the participating institutions of DAGSI (the Dayton Area Graduate Studies Institute). These include WSU, AFIT (the Air Force Institute of Technology) and the University of Dayton. Other regionally-accessible collections are known for the breadth of their Chemistry collection (such as Ohio State University) or for areas of specialization within the field of Chemistry. An example of the latter is the University of Cincinnati's extensive collection of Chemistry history and biography.

Cooperative loan arrangements

OhioLINK provides WSU Libraries users with access to materials collected by most of the other academic libraries in Ohio. Some of these libraries support doctoral programs in Chemistry, Chemical Engineering, and Polymer Science, while others support M.S. and B.S. programs in Chemistry and Chemical Engineering.

OhioLINK membership also provides Wright State with membership in the Center for Research Libraries, which enables faculty, staff, and students to obtain Center materials through interlibrary loan.

Cooperative acquisitions projects

The Chemistry Collection Managers/Librarians Subject Group of OhioLINK provides a forum for members to discuss and evaluate potential purchases by OhioLINK or individual institutions of both electronic and print format materials of interest to the study of Chemistry.