

Chemistry/Biochemistry Collection Development Procedures

Approved 8/8/01; Revised 10/07/04

I. Academic Programs Served

A. The collection is essential to those students pursuing undergraduate and/or graduate degree programs where chemistry courses are part of the requirements for the major or minor. It also complements courses offered by the Department of Chemistry and Biochemistry which will fulfill general education requirements in the sciences, selected honors courses, and courses for the University's pre professional programs: medicine, osteopathy, dentistry, veterinary medicine, optometry, podiatry, pharmacy, engineering, physical therapy, and clinical laboratory sciences.

B. The Department of Chemistry offers courses leading to the Bachelor of Science (B. S.) degree with a major or minor in Chemistry, a Master of Science (M. S.) degree in chemistry, and a Doctor of Philosophy degree with emphases in analytical, biological, inorganic, organic, and physical chemistry as well as the interdisciplinary area of biochemical studies. Emphases at the B. S. level include chemistry, secondary teaching, general science teaching, chemistry for pre-professional students, and biochemistry. Pre professional students refers to those in a pre-medicine, pre-dentistry, etc. curriculum.* Students pursuing a Bachelor of General Studies (B. G. S.) degree may also fulfill some of their course requirements by successfully completing chemistry courses.

C. Expansion of programs in interdisciplinary areas, especially those involving mathematics and physics, is projected.

II. Clientele Served

A. The undergraduate and graduate students and the faculty of the Department of Chemistry and Biochemistry are the primary users of library resources in chemistry. Undergraduate honors students taking CHEM 339H and 499H rely heavily on the library collection for their research. Other users include those undergraduate students taking chemistry courses that are required by the Departments of Biological Sciences; Electrical Engineering; Geology and Environmental Geosciences; and the School of Family, Consumer, and Nutrition Sciences; (especially those in the Dietetics, Nutrition, and Food Systems emphasis); Nursing; and Allied Health Professions (especially those in the pre-physical therapy and clinical laboratory programs); undergraduate students taking chemistry to fulfill the general education requirement in science; and students in one of the pre-professional programs. Graduate students from the Department of Biological Sciences as well as faculty from all the departments listed above constitute additional clientele. General public interest most often utilizes those materials concerning the formulation of commercially available materials and those identifying chemical names where only trade names are known.

B. Interdisciplinary interest primarily resides in the related sciences (physics, biological sciences, mathematics, geology, the health professions, engineering, and nutrition).

III. General Collections Policy Considerations

A. Languages

English is the primary language of collection. Materials in other languages with no English translation will be purchased on a highly selective basis. Translations into English will be acquired for other languages, particularly Russian and Japanese, on a selective basis.

B. Chronological Guidelines

Primary concern is with topics of current teaching and research interest. Back runs of journals presently acquired will be purchased selectively and as budgets permit. Works dealing with the history of chemistry will be acquired on a highly selective basis.

C. Geographical limitations or priorities

Not applicable.

D. Formats of material collected

Print material collected will consist primarily of monographic and serial publications: books, journals, monographic serials, reference works, publication of conferences and symposia, treatises, spectra collections, and academy and society publications. Upper and lower division textbooks will be acquired on a selective basis. Dissertations and popular works will be acquired on a selective basis. Acquisitions of microforms of materials not available in print will also be made on a selective basis. Electronic formats will be provided when the following conditions are met and an electronic format is deemed appropriate: 1) when a print edition is not available, 2) when the advantages of an electronic format over a print format justify the expense, 3) when a substantial cost savings can be gained by changing from print to electronic with no significant loss to serving research and curricular needs, and 4) when electronic format can be offered along with print format at no or at affordable added cost. It must always be the case that the electronic format material will be available to the University community with the least possible restrictions, including printing for individual use, remote access, and inter-library loan activities, whenever possible.

E. Publication dates of material collected

Emphasis will be on materials published within the last ten years. Reprints of materials are acceptable.

F. Preservation

Preservation activities begin with protecting the collection from exposure to conditions, beyond usual wear, that would cause harm. When damage has occurred, efforts will be made to preserve the intellectual content or conserve the actual item according to the levels indicated on the accompanying chart.

Collecting Levels

- Subject: General Chemistry
LC Class: QD 1 - 10
Title Count**: 904
Collection Goal: 3c
Language Coverage: P
Preservation: 3

- Subject: General Chemistry
LC Class: QD 33 - 65
Title Count**: 70
Collection Goal: 3c
Language Coverage: P
Preservation: 3
- Subject: History and Biography
LC Class: QD 11 - 31
Title Count**: 189
Collection Goal: 3a
Language Coverage: P
Preservation: 3
- Subject: Analytical Chemistry
LC Class: QD 71 - 142
Title Count**: 974
Collection Goal: 4
Language Coverage: S
Preservation: 4
- Subject: Inorganic Chemistry
LC Class: QD 146 - 196
Title Count**: 518
Collection Goal: 4
Language Coverage: S
Preservation: 4
- Subject: Organic Chemistry
LC Class: QD 241 - 412
Title Count**: 1,060
Collection Goal: 4
Language Coverage: S
Preservation: 4
- Subject: Organic Chemistry
LC Class: QD 441
Title Count**: 449
Collection Goal: 4
Language Coverage: S
Preservation: 4
- Subject: Biological Chemistry
LC Class: QD 415 - 431
Title Count**: 224
Collection Goal: 4
Language Coverage: S
Preservation: 4

- Subject: Physical and Theoretical Chemistry
LC Class: QD 450 - 731
Title Count**: 1,742
Collection Goal: 4
Language Coverage: S
Preservation: 4
- Subject: Crystallography
LC Class: QD 901 - 999
Title Count**: 460
Collection Goal: 4
Language Coverage: S
Preservation: 4

IV. Other Resources

The main collection is located in Faraday Library. Complementary and general use materials are located in Founders Memorial Library.

V. Off-campus Resources

Center for Research Libraries, John Crerar Library, University of Chicago, Northwestern University, University of Illinois (Chicago), and University of Illinois (Urbana/Champaign)

*Sentences revised/added 12/19/03 upon receiving notification of changes approved by the Board of Trustees on December 4, 2003. Changes were verified with James Erman, Department Chair 12/18/03.

** Title Count numbers are based on an analysis of ACAS/OCLC and Voyager collection data performed during the spring of 2004 and added October 2004.

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