

Chemistry

Information Access Policy

Clemson University Libraries

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Introduction

This Information Access Policy is a statement of goals for building the library's collection in the subject area of Chemistry. It should serve as a guide for library personnel in making collection development decisions, and should inform users, in general, how library materials are selected in Chemistry.

Purpose of Collection

The Chemistry collection supports the research and teaching needs of undergraduate students, graduate students, faculty, and staff in Chemistry. The collection also supports research and education in many science and engineering departments at Clemson, including Biological Sciences, Environmental Engineering & Earth Sciences, Materials Science, Chemical Engineering, and Physics. The collection provides a foundation of support for research in Clemson University's emphasis areas of Advanced Materials, Sustainable Environment, and Biotechnology and Biomedical Sciences.

Clemson's Chemistry Program

The research interests of Clemson's faculty are varied and include the traditional areas of analytical, inorganic, organic and physical chemistry as well as polymer and materials chemistry, solid-state chemistry, bioanalytical chemistry, bioorganic and medicinal chemistry, computational chemistry, chemical physics, chemical education, and more.

Programs leading to B.A., B.S., M.S. and Ph.D. degrees are offered at Clemson.

Collection Locations

The majority of the physical collection is in Cooper Library. The Chemistry Department maintains a small collection of high-use print reference materials and journals in the department's Chemistry Library in 205 Hunter Hall. Most print journals published by the American Chemical Society and the Royal Society of Chemistry, plus volumes available online through Science Direct, were moved off-site to Remote Storage in 2009, due to their availability in a stable online format.

General Collection Guidelines

Languages: English is the primary language of the collection. Older foreign language materials are mostly in German. Materials in languages other than English are not actively selected.

Geographic Guidelines: No geographical limitations will be placed on the acquisition of chemistry materials.

Chronological Guidelines: Emphasis is on current research and development, but an effort is made to maintain strong retrospective collections in fields where past literature remains important, such as organic chemistry. Retrospective collecting may also be done at the request of faculty in support of their research and teaching.

Types of Materials Selected: Emphasis is on research materials and materials to support Clemson's Chemistry curricula. The collection includes monographs, journals and other serials, reference works, indexes and abstracts, and data collections. Graduate level texts are acquired extensively, while basic undergraduate textbooks whose primary function is instruction are usually excluded. Biography and history of chemistry are acquired very selectively. Materials published by Clemson University authors are also acquired selectively. Indexes and abstracts are licensed as online databases; the two indexes most used by Chemists include SciFinder Scholar and Web of Science. Given that access to chemistry journals is key to the success of Clemson researchers in many areas of science and engineering, every effort will be made to increase the size of Clemson's journals collection in chemistry.

Format of Materials: No format is excluded. For journals, indexes, reference works, and data collections, the online versions are preferred. Books and book series are increasingly purchased in electronic format. Duplication of formats will largely be avoided.

LC Class: The predominant LC classification of the collection is QD, but supporting materials may also be purchased in other LC Classes, such as TP (Chemical Technology/Engineering)

LC Class	Subject
QD1-65	Chemistry (General)
QD71-142	Analytical Chemistry
QD146-197	Inorganic Chemistry
QD241-441	Organic Chemistry (includes Biochemistry, QD415-436)
QD450-801	Physical and Theoretical Chemistry
QD901-999	Crystallography

Selection Tools

Faculty input and research interests will be given the highest priority in selection decisions. In addition, circulation statistics, publisher catalogs, and book reviews will be used in selecting monographs. Impact factors and available journal usage statistics may play a role in journal selection decisions. Interlibrary Loan requests will also be monitored so that materials frequently requested from other institutions may be purchased.

In addition, it must be noted that the American Chemical Society (ACS) has an approval program for Bachelor Degree Programs, and Clemson is an approved program. The ACS's Committee on Professional Training (CPT) publishes a recommended journal list for institutions, which is revised regularly and available on the ACS website (www.acs.org). For Clemson to continue as an ACS-approved program, the library must ensure continuing access to the following *minimum* chemical information resources:

- Access to no fewer than 14 current journals chosen from the CPT recommended journal list in either print or electronic form. At least three must come from the general content list, and at least one must come from each area of analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, physical chemistry, and chemistry education.
- Print or electronic access to *Chemical Abstracts*, including the ability to search and access full abstracts.

Access to Materials not Available at Clemson

Interlibrary Loan is the primary method of accessing both monographic materials and published articles.

Weeding

Monographic material published twenty years prior to the current date that has not circulated within the last ten years will be considered for weeding. Older materials that have not circulated recently may be kept for historical and/or reference purposes.

Books will be removed from the collection if they are in poor condition and cannot be repaired. Every effort will be made to replace high-use titles.

Print serials may be sent to off-campus storage if they are duplicated in a stable online format.