Purpose: To support research and teaching needs leading to the Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in Chemistry.

A. The undergraduate Chemistry systems program is oriented toward equipping the student with the knowledge of chemical concepts and research methods.

The master’s program prepares students for positions in industry, commerce and government. The doctoral program prepares students for positions in education, government, industry and commerce.

B. Primary Users:
Undergraduates majoring in Chemistry or physics.
Graduate students in Chemistry
Undergraduates taking Chemistry courses
Chemistry Faculty

Secondary Users
Undergraduates from all colleges
Graduate students from all colleges
Faculty from related disciplines
Staff working in the areas of Chemistry

II. Scope of In-House Collection

A. Formats Guidelines

1. Print Sources
Collecting efforts will focus primarily on purchasing print sources (monographs.) If funds are available, additional copies may be purchased when a book exceeds the recall limit as defined by the Circulation Unit.

2. Electronic Sources
Electronic sources (CD-ROMs, remote databases (web access preferred), etc.) will be obtained when economically feasible and if they provide better access than printed sources. The preferred format for Journals is web based access. Electronic versions of monographs will be purchased if
economically feasible. The preferred format for reference materials in chemistry is web based access.

3. Types of materials which will be selected

Bibliographies: Narrow subject scope bibliographies will be selected only when appropriate to the focus of the collection.

Guidebooks, handbooks and workbooks: Books targeted for specific chemical subjects will be purchased. Books targeted for a practitioner in other fields (such as, “Chemistry for farmers”) will not normally be purchased.

Histories: Only major works on the history of Chemistry will be obtained.

Journals: Every effort will be made to preserve the current journal collection and to add new titles as funds allow. Evaluation tools and surveys of the faculty will be used to identify needed core journals.

Periodical Indexes: Current Contents, Science Citation Index and Chemical Abstracts (Scifinder) will be made available. The preferred format is electronic with web based access.

Textbooks: Textbooks, which are used in classes taught at Clemson, will not be specifically purchased. Textbooks may be purchased if they are deemed appropriate in supporting the curriculum.

Clemson Authors: Materials published by Clemson University Authors are not given priority.

B. Language Guidelines
Only English language materials will normally be purchased

C. Geographical Guidelines
No geographical guidelines will be used

D. Chronological Guidelines
Selecting will focus on current, up-to-date information.

E. Publication Date Guidelines
Generally the selector will purchase materials published within the last two years. Materials requested by faculty members or highly recommended in a review source will be considered regardless of publication date.
F. **List of journals ranked “Core” or “Research” by the faculty:**
All chemical journals, currently subscribed to by the Libraries, are core or research journals. Since these subscriptions represent less than 5% of the journals listed under Chemistry in Ulrich’s and since the Libraries own only 88% of the chemical journals listed in Katz’s Magazines for Libraries (before deselection, the library owned 48 of the 50), emphasis should be placed on increasing the periodical collection—either in print or electronically.

III. **Primary Subject Classifications—LC Call Numbers:**
A. QD
B. TP

IV. **Access to Information not Available On-Site**
A. **Personal Contact**
   Most faculty and graduate students prefer to use e-mail to contact the authors of needed materials and updates on published articles.
B. **InterLibrary Loan**
   ILL is the main source for monographic material.
C. **Internet Access** (InGenta, etc.)
   Online archives of material will be made available if economically feasible. Deposit accounts will be made, if feasible, to reduce retrieval times.

V. **Selection Tools to Be Used**
A. **Faculty Requests**
   Faculty requests will normally be given the highest priority for ordering.
B. **Review Sources**
   Choice
   Library Journal
C. **Approval Slips from Yankee Book Peddler**
D. **Subject searching of BIP and Amazon.com**
   High interest fields will be searched for new materials on the above systems.
E. **Publisher’s Catalogs and Announcements**

VI. **Weeding**
Weeding will center on removing duplicate copies of books published ten years prior to the current date that have not circulated within the last 5 years. Due to the
need to maintain materials for historical research and/or reference, older materials may be kept even if they have not circulated recently.

VII. Evaluation Tools

A. Circulation, Recall, etc.
B. Reports created by Systems.
C. SSCI Journal Citation Reports
D. Books for College Libraries
E. Magazines for College Libraries
F. Faculty Teach and Research Interest Surveys

VIII. Collection Assessment and Planning

A. Qualitative Measures
   1. Bibliographies
   2. Bench Marking Projects
      Benchmark Institutions: Auburn, Georgia Tech, Iowa State, Michigan St., NC State, Purdue, Texas A&M, Univ. of CA, Davis, Virginia Tech.

B. Quantitative Measures
   1. Circulation Statistics
   2. Budget comparisons with Benchmark Institutions.