Subject: Chemistry

Subject Librarian Liaison: Edward Kownslar

Section I: Program Descriptions

Description of Undergraduate Program: “The chemistry faculty seeks to provide a high quality educational experience for students majoring in chemistry in preparation for industrial or government positions, for graduate study, and for entry to medical or dental schools. The program is also designed for those planning to teach chemistry or physics at the 8-12 level, or who need chemical knowledge and skills relevant to future studies in the sciences.

“Student learning outcomes:
Graduates of the program will be able to:
• Demonstrate a broad understanding of chemical concepts
• Analyze and interpret a variety of chemical data
• Communicate chemical information effectively at the undergraduate level, in oral and written form, with appropriate use of technology”

(Source: 2007-2008 Undergraduate Catalog)

Tracks Offered for Undergraduate Major: (1) General Chemistry; (2) Biochemistry; (3) Environmental Chemistry; and (4) Physical Science Education Concentration. (Source: 2007-2008 Undergraduate Catalog)

Undergraduate Catalog Course Listings: The course listings are available in the University’s Undergraduate Catalog, which is available at:
http://www.tamucc.edu/academics/index.html

Description of Graduate Program: According the 2007-2008 Graduate Catalog, the university does not offer a graduate degree in Chemistry. However, several Chemistry faculty members teach graduate courses in chemistry for other graduate degrees, particularly Environmental Science and the doctoral degree in Coastal and Marine Sciences. Please see section II for more details.
Section II: Collection Levels

The designated collection levels will provide the appropriate support for the University’s curriculum and academic programs. These levels are ideal collection targets and are dependent on funding.

The library adheres to library collection standards set by the State Higher Education Coordinating Board (http://www.thecb.state.tx.us/), the Southern Association of Colleges and Schools (http://www.sacs.org/), and other accreditation agencies. In addition, for Chemistry, the library also adheres to collection standards established by the American Chemical Society (http://www.acs.org).

Although the University does not offer a graduate degree in Chemistry, several graduate-level chemistry classes are taught to support other graduate programs. These classes cover environmental chemistry, geochemistry, and oceanographic chemistry. The Chemistry faculty members teach these classes, so they will be included in this collection development policy, rather than the policies for Environmental Science and Geology.

<table>
<thead>
<tr>
<th>Subjects</th>
<th>LC Call Number Range</th>
<th>Collection Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Oceanography</td>
<td>GC 109-149</td>
<td>3</td>
</tr>
<tr>
<td>General Chemistry</td>
<td>QD 1-65</td>
<td>2</td>
</tr>
<tr>
<td>Analytical Chemistry</td>
<td>QD 71-142</td>
<td>3</td>
</tr>
<tr>
<td>Inorganic Chemistry</td>
<td>QD 146-197</td>
<td>3</td>
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<td>Organic Chemistry</td>
<td>QD 241-441</td>
<td>3</td>
</tr>
<tr>
<td>Physical and Theoretical Chemistry</td>
<td>QD 450-731</td>
<td>3</td>
</tr>
<tr>
<td>Crystallography</td>
<td>QD 901-999</td>
<td>3</td>
</tr>
<tr>
<td>Geochemistry</td>
<td>QE 514-QE 516.5</td>
<td>3</td>
</tr>
<tr>
<td>Environmental Chemistry</td>
<td>TD 193-193.5</td>
<td>3</td>
</tr>
<tr>
<td>Chemical Technology</td>
<td>TP 1 – 1185</td>
<td>2</td>
</tr>
</tbody>
</table>
Section III: Preferred Collection Formats and Languages

Preferred Collection Format(s):  (1) Electronic for periodicals and indexes; (2) Print for monographs.

Lower-Priority Collection Formats:  Microform

Language:  English

Section IV: Noteworthy Publishers:

American Chemical Society:  http://www.acs.org


Elsevier Science:  http://www.elsevier.com

Royal Society of Chemistry:  http://www.rsc.org/


Section V: Weeding Policy

(Including Frequency of Collection Assessment):

The collections for Chemistry (in the Main and Reference collections) will be examined, and weeded, every three years.

Weeding criteria include (1) Currency and relevance of material to the curriculum; (2) Updated/revised editions; and (3) Physical condition of the title (please see the “Weeding” section of the General Collection Development Policy).
Section VI: Gift Policy:

The library will accept donations of materials (monographs, periodicals, etc.) in this subject area. All donors are encouraged to fill out, and sign, a form with the Technical Services Department when the library accepts those materials. If the donor allows the library to keep all donated materials, then the library has the discretion about whether to integrate those materials into the collections or use them in another capacity, such as: (1) Donating those titles to another library; (2) Including them in the annual book sale; or (3) Recycling the materials if no other parties or organizations can use the materials. However, the donor can also specify on the form that they would like all donated materials returned to them if the library cannot add those materials to the collections.

The library will add gift books to the collections only if they support the curriculum and student research in Chemistry.

The Library will generally add print periodical titles to its collections under the following conditions: (1) The library already has a current subscription to that title; (2) The library has determined that there is adequate room for older print volumes of that title; (3) The library does not own those titles but they fit the subject’s selection criteria.


Approved by Library Director August 1, 2008.