

COLLECTION DEVELOPMENT POLICY STATEMENT

CLASSIFICATION: TP (CHEMICAL TECHNOLOGY)

JULY 1999

General Purpose: To provide support for undergraduate instruction in the basic sciences and engineering sciences curricula with academic majors in Chemistry, Civil Engineering, General Engineering, Engineering Mechanics, and Engineering Sciences. To provide operational informational support for the Academy engineering sections. To support recreational needs of cadets and faculty.

Collection Level Intensity: General support.

Geographical Areas: No restrictions, but emphasis on U.S. materials.

Chronological Periods: No restrictions, but emphasis is on recent publications.

Types of Material Collected: Monographs, serials, treatises, government documents, report literature, ACS publications, bibliographies, handbooks, encyclopedias, and dictionaries. Electronic sources include online databases, CD-ROMs, and evaluated Internet web sites.

Types of Material Excluded: Equipment manuals, audiovisual items, and material emphasizing industrial applications.

Other Factors: Economic considerations of many chemical technology applications place those materials in the H classifications. Petroleum, gas, and oil shale information can also be found in TN classes. Nutritional aspects of food and drink may place those materials in TX classes. Materials science information can also be found in the TA class.

Subject and Collection Levels: The areas of Chemical Technology are:

TP	1-151	Chemical Technology (General)
	155-156	Chemical Engineering
	200-248	Manufacture and use of chemicals
	315-360	Fuel
	368-456	Food Processing
	480-498	Refrigeration
	500-659	Fermentation Industries
	690-762	Petroleum and Gas Industries
	785-888	Clay, Ceramics, Glass, Cement Industries
	890-933	Textile Dyeing
	934-944	Paints, Pigments, Varnishes, etc.
	1080-1185	Polymers and Plastics
Z	6046	Bibliography, Glass
	6972	Bibliography, Petroleum Refining Products
	7179	Bibliography, Ceramics

Materials for these areas comprise a selective collection which serves to introduce and define the subjects and indicate the varieties of information available elsewhere. Included are major dictionaries and encyclopedias, selected editions of important works, bibliographies, and a few major periodicals in representative fields. Some areas involving energy-related subjects or polymer science receive more emphasis as dictated by curriculum requirements. Materials collected are typically English language only.

Weeding Criteria: Material may be withdrawn from the collection based on the following criteria:

- a) Age: Superseded by newer editions, material is ephemeral or outdated.
- b) Usage: Not checked out in the last 10 years, multiple copies with little/no use.
- c) Physical condition: Missing pages, text unreadable, poor quality paper, or other factors that preclude rebinding.
- d) Level of treatment: Too superficial or advanced for undergraduate study; newer materials provide better/expanded explanations of complex subjects, clearer text styles, or better illustrations.

Candidates for weeding will typically be compared with published lists of landmark works before being withdrawn.

Last updated by Robert Humes, Subject Specialist