MATHEMATICS COLLECTION GUIDELINES

I. Purpose and Program Description

A. Library's Collection Development Objectives

The primary purpose of the collection is to support teaching and research studies at the B.S. level in Mathematics and Computer Science

B. Curricular Program Description

Courses are offered in political science and public administration.

C. New and Expanding Areas of Interest

1. Computer Programming
2. Discrete Mathematics
3. Practical & Theoretical Methods of Programming
4. Cybersecurity & Statistical Analysis

D. Areas of Specialization

1. Topology & Geometry
2. Modern Algebra
3. Functional Analysis
4. Mathematics Education
5. History of Mathematics

E. Overlap with Other Academic Disciplines and Library Collections

Economics, Education, Chemistry, Information Science, Physics, Statistics

II. General Selection Guidelines

A. Languages: English is the primary language collected. Works in other languages may be acquired selectively and usually in English translation.

B. Chronological Coverage: Emphasis is upon current materials, but no period is excluded from consideration for the collection.

C. Geographical Coverage: Primary emphasis is upon art history generally, with special focus upon art in the non-western world, as well as graphic design elements from around the world.

D. Types of Materials: Includes encyclopedias, handbooks, directories, dictionaries, exhibit guides and catalogs, periodicals, bibliographies, biographies, illustrated works, monographs, and journals.

E. Imprint Date: Current-imprint publications receive priority. Selective retrospective publications are purchased in available formats as funding permits.

F. Physical Format: Hardback, paperback, serials, audiovisuals and computer software are collected. Electronic format materials are collected selectively.

G. Treatment of Subject: Scholarly materials are the primary emphasis for the collection.

H. Place of Publication: Primarily the United States. Imprints from other countries will be considered, however, primary emphasis will be placed on English language publications.

I. Acquisition Plans Affecting English / English Literature:

1.) Standing Orders: Due to budget reductions in the mid-1990s, all standing orders in all fields were cancelled.

2.) Approval Plans: None.

J. Major Assessment / Selection Tools: *Books for College Libraries*; *MLA*; Sheehy, Eugene P. *Guide to Reference Books*; Katz, Bill *Magazines for College Libraries*; *Choice Magazine*; *Booklist*; GOBI New Title Announcement Slips.

Assessments are conducted doing a comparison of the library holdings with those of the following peer institutions: Austin Peay State University (TPA), Columbus State University (GCO), Jacksonville State University (AJB), McNeese State University (LHA), Radford University (VRA), University of Louisiana-Monroe (LNE), University of North Alabama (ANO).

K. Weeding / Replacement: A major weeding was conducted in 2011 to remove damaged, superseded, out of date items, and those items which did not reflect the institutional curriculum. Following this, weeding has been kept to a minimum except to replace superseded, updated or damaged items. For damaged items, efforts will be made to replace those materials. Discussions between the library liaison for the area and the department will take place to determine if an electronic copy of the title will be an acceptable replacement.

L. Classifications That Define the Scope of the Collection:

QA 1-939	Mathematics
QA 1-43	General
QA 47-59	Tables
QA 71-90	Instruments & Machines
QA 75-76.95	Calculating Machines
QA 75.5-76.95	Electronic Computers. Computer Science
QA 76.75-76.765	Computer Software
QA 101-(145)	Elementary Mathematics. Arithmetic
QA 150-272.5	Algebra
QA 273-280	Probabilities
QA 299.6-433	Analysis
QA 440-699	Geometry. Trigonometry. Topology.
QA 801-939	Analytical Mechanics

HA 1-4737	Statistics
HA 29-32	Theory & Method of Social Science Statistics
HA 36-37	Statistical Services. Statistical Bureaus
HA 38-39	Registration of Vital Events. Vital Records.
HA 154-4737	Statistical Data
HA 154-155	Universal Statistics
HA 175-473	By Region or Country

Library Liaison: Best   **SUBJECT**: Mathematics & Computer Science

COLLECTION DEVELOPMENT POLICY STATEMENT: CLASSED ANALYSIS

LC Class	Descriptor	Existing Strength	Desired Strength
QA 1-939	Mathematics	3a	3b
QA 1-43	General	3a	3b
QA 47-59	Tables	2b	3a
QA 71-90	Instruments & Machines	2b	3a
QA 75-76.95	Calculating Machines	1b	2a
QA 75.5-76.95	Electronic Computers. Computer Science	3a	3b
QA 76.75-76.765	Computer Software	3a	3b
QA 101-(145)	Elementary Mathematics. Arithmetic	3b	3b
QA 150-272.5	Algebra	3a	3b
QA 273-280	Probabilities	2b	3a
QA 299.6-433	Analysis	2b	3a
QA 440-699	Geometry. Trigonometry. Topology.	2b	3b
QA 801-939	Analytical Mechanics	2a	2b
HA 1-4737	Statistics	3a	3b
HA 29-32	Theory & Method of Social Science Statistics	3b	3b
HA 36-37	Statistical Services. Statistical Bureaus	2b	3a
HA 38-39	Registration of Vital Events. Vital Records.	3a	3a
HA 154-4737	Statistical Data	2a	3a
HA 154-155	Universal Statistics	2b	3a
HA 175-473	By Region or Country	0	0

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