

Departmental Policy Statement: Mathematical Sciences

College of Arts & Sciences

Faculty Representative: Dr Cecil Rousseau
Library Liaison: TBA
Last reviewed: 1 April 2006

Curriculum

The Department of Mathematical Sciences offers the Bachelor of Science in two different majors: Mathematical Sciences (with separate concentrations in Mathematics and Statistics) and Computer Science. Mathematical Sciences also offers graduate programs leading to the Master of Science and Doctor of Philosophy degrees with a major in Mathematics. The areas of concentration for the MS degree are Applied Mathematics, Computer Science, Mathematics, Statistics, and Bioinformatics. The areas of concentration for the Doctor of Philosophy degree are Applied Statistics, Computer Science, and Mathematics.

Purpose and Scope of the Collection

The University Libraries currently supports the curriculum of Mathematical Sciences through books, journals, and electronic databases. Improving access to journals, especially in electronic format, is a priority. Donations are accepted as per the provisions of the Gifts guidelines in the UML Collection Development Policy.

Cooperative Agreements

None specified.

Geographical Coverage

The United States is the primary focus but materials from other areas of the world are collected.

Period Coverage/ Date of Publication Range

Primary emphasis is on contemporary materials. The University Libraries seeks to build this collection with works suitable for classroom knowledge and for research.

Languages

The primary language of collection for Mathematical Sciences is English. Materials in other languages are acquired selectively.

Types of Materials

Monographs:

Both current and retrospective material are acquired as needed, with emphasis put on current imprints. Access to the Safari collection of technical and scientific e-books is also provided.

Serials/Series:

Professional journals (including *Mathematical Reviews*, *Proceedings of the American Mathematical Society*, *Transactions of the American Mathematical Society*, and many of the *SIAM Journals*), indexes, and abstracts are collected.

Theses/Dissertations:

Dissertations are acquired as needed or requested.

Electronic Resources:

Databases with at least some math and/or computer science emphasis include MathSciNet, Forum Of Science, and JSTOR.

Microforms:

Research collections in microforms are purchased when deemed relevant.

Audio/Visual:

Acquired as needed or requested.

Location of Materials Collection

The main collection of Mathematical Sciences materials is located in the Math Library, a branch facility in Dunn Hall at the University of Memphis. Computer Science materials are generally located in McWherter Library. Plans to relocate older runs of print journals to remote storage are still being discussed.

Special Collections

None specified.

Subject Areas by LC Classification

QA9 – QA10.3	Mathematical logic
QA75.5 – QA76.95	Computer science; electronic data processing
QA273 – QA274.76	Probabilities
QA276 – QA280	Mathematical statistics
QA299.6 – QA433	Analysis
QA801 – QA939	Analytic mechanics

Related Areas of Collection

Computer Science	Chemistry	Physics	Biology
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