

Departmental Policy Statement: Mechanical Engineering

Herff College of Engineering

Faculty Representative: Dr Gladius Lewis
Library Liaison: Mark Danley
Last review and approval: 1 April 2006

Curriculum

The University of Memphis offers both undergraduate and graduate degrees in Mechanical Engineering. The undergraduate degree offers concentrations in Biomedical Systems, Energy Systems and Mechanical Systems. The graduate degrees are a Masters of Science and a Doctor of Philosophy in Engineering, with concentrations in Design and Manufacturing, Energy Systems, Mechanical Systems, and Power Systems.

Purposes and Scope of the Collection

The collection supports the study, teaching, and research needs of the students and faculty of the Department.

Cooperative Agreements

None specified.

Geographical Coverage

Primary coverage is the United States with selective worldwide publications acquired.

Period Coverage/Date of Publication Range

Collection emphasis is on current publications with some classics in the field.

Languages

English is the primary language in which materials are selected. Other languages are acquired selectively.

Types of Materials

Monographs:

Collected primarily in print, in both hardback and paperback.

Serials/Series:

Due to cutbacks in budgets, new serial requests must be balanced against current receipts.

Electronic Resources:

Electronic indexes and full text databases are accessible from the libraries Electronic Resources Web page.

Resources specific to Engineering include:

- Engineering & Technology Applied Science and Technology Abstracts 1983-
- Computer Database 1980-
- Internet & Personal Computer Abstracts formerly (Microcomputer Abstracts) 1989-

Microforms:

Research collections are purchased in microforms, when relevant.

Theses/Dissertations:

Purchased when relevant to the collection.

Audio/Visual:

Purchased when relevant to the collection.

Location of Materials Collection

The primary location of materials is the McWherter Library. Materials in support of the mathematical needs of engineers might be found in the Math Library.

Special Collections

None specified.

Subject Areas by LC Classification

QA71 - QA90	Mathematics Instruments and machines
QA841 - QA842	Kinematics (Analytic mechanics) (special emphasis)
QA913	Kinematics (Fluids) (special emphasis)
QC81 - QC114	Weights and measures
QC231	Kinematics (Vibrations) (special emphasis)
QC320 - QC338	Heat--Transmission
QD450 - QD801	Physical and theoretical chemistry
QH513	Biomechanics
R857.M3	Biomedical materials
TA164	Bioengineering
TA174	Engineering design
TA352 - TA356	Dynamics (Applied dynamics) (special emphasis)
TA357 - TA359	Fluid Mechanics

Related Areas of Collection

Engineering Technology Physics