

**Florida A&M University Libraries
Resources in Support of
the B.S. in Information Technology**

VII. Institutional Facilities

Intent: Institutional facilities, including the library, other electronic information retrieval systems, computer networks, classrooms, and offices, are adequate to support the objectives of the program.

Standard VII-1. The library that serves the computer science program must be adequately staffed with professional librarians and support personnel.

A. Library

1. Library Staffing.

Assess the staffing of the library (or libraries) that serves the computer science program.
Is the number of professional librarians and support personnel adequate to support the program?

Supply documentation if possible.

The library staffing currently consists of 22 highly qualified faculty librarians and 38 support staff. In addition, there are approximately 45 student assistants and 25 part-time employees. All faculty librarians hold the master's degree from an ALA accredited program. Additionally, 3 faculty librarians have completed the advanced master's degree in library science; 4 faculty librarians have completed the specialists' degree in library science; 6 faculty librarians have completed master's degrees in other subject disciplines; and 2 faculty librarians have completed the Ph.D. degree in library science or information studies. Library faculty average 20.5 years of professional library experience. Paraprofessional staff also have good academic preparation, including 12 paraprofessional staff with bachelor's degrees; one with a master's degree, and another with 2 master's degrees. Many staff members are nearing completion of the bachelor's degree. Many computer science students use the main, Coleman Library, and the Science Research Center Library. The Science Research Center Library has 1.5 faculty librarians, 3 technical assistants, and 3 part time employees.

Standard VII-2. The library's technical collection must include up-to-date textbooks, reference works, and publications of professional and research organizations such as the ACM and the IEEE Computer Society.

2. Library Technical Collection

Assess the adequacy of the library's technical collection and of the budget for subscriptions, as well as new acquisitions. The library must contain up-to-date textbooks, reference works, and publications of professional and research organizations, such as the ACM and the IEEE Computer Society. It should also contain representative trade journals. Supply documentation, if possible. Assess the process by which faculty may request the library to order books or subscriptions.

Adequacy of the Collection:

The University Libraries provide print and electronic collections of current books, periodicals, and pertinent reference materials, which are readily accessible to students and are sufficient in scope to support the curriculum of Computer and Information Systems.

The collection includes more than 25,000 volumes in computer Science along with interdisciplinary volumes to provide a balanced computer science collection. This includes reference works, and publications of professional and research organizations, such as the ACM and the IEEE Computer Society. The following table shows library holdings targeted for use by the general campus and community population, as well as holdings targeted to support Computer and Information Systems.

In addition to library resources cited above, FAMU is a depository for United States government documents. This collection contains more than 1,495 full-text electronic titles and 134,382 print volume equivalents. Of this number, 403 government documents are specific to computer science.

There is a healthy assortment of serial publications to support computer science programs. The full text of 711 computer science journals is accessible 24/7 via the electronic journal portal. Digitized serial publications are also accessible from the Florida Electronic Library, the PALMM Project, and the Florida Memory Project. Additionally, requests for journal articles not owned by FAMU may be made electronically through interlibrary loan (ILL). Books not owned by FAMU may also be borrowed via interlibrary loans. A courier service makes daily deliveries of ILL requests to FAMU. Faculty and students also have reciprocal borrowing privileges at all of the 11 public universities and 28 community colleges in Florida.

The University Libraries are active partners and participants in the Florida Center for Library Automation (FCLA), and in SUS library initiatives and joint agreements. These partnerships support research in Computer Science. The DLLI initiative ensures document delivery of resources between libraries in the state. Through partnerships with the SUS and community college libraries, access to and reciprocal borrowing privileges are available to all SUS students. Many purchases of electronic databases, including those with full-text, are made through SUS and FCLA licensing agreements. These databases are available to students through the Library's web page.

Library Resources	General	Computer Science	Information Technology
Volumes (Print)	1,234,507	6,403	2364
Monograph (books)	990,981	4335	1,424
Microforms	458,365	321	192
Non-print resources	76,832	18	18
Electronic books	59,225	525	390
Serial/Periodical Titles	52,167	652	150
Electronic Journals (full-text)	58,824	600	138
Electronic databases	314	52	52

Library materials for computer science are classified in the Library of Congress class QA 76 (computer science 14,906), Q 327 (pattern recognition 1,101), Q 335-336 (artificial intelligence 4,554), QA 267-268 (machine theory 1,065), TA 1630-1650 (image processing 1,747), TK 5105 (computer networks 2,666), and TK 7880-7895 (computer electronics 1,854). Collectively, the Florida State University System (SUS) libraries own over 150,000 volumes in Library of Congress classifications for Computer Science. FAMU presently owns 6,403 volumes in Computer Science and 2,364 volumes in Information Technology. The University is a depository for United States government publications. There are currently over 400 government publications available in Computer Science and Information Technology. The Libraries are committed to increasing the core volume titles in all scientific and technical disciplines, including Computer Science.

Journal Holdings:

The Library holds or provides access to over 717 journal titles in the Computer Sciences and related sciences. Ejournals, full text articles, professional research and other information can be accessed from several of the Libraries' subscription databases. Databases include Association for Computing Machinery's Digital Library, Computer & Information Systems Abstracts, Computer Database, Computing Reviews, IEEE Xplore, INSPEC, IOP Electronic Journals, ISI Highly Cited, ISI Web of Knowledge, ISI Web of Science, ProQuest Computing, Science Direct (Elsevier Science Journals), ProQuest Science Journals, and SpringerLink (Springer Journals). Interlibrary loan, and document delivery services are available to obtain other needed materials not owned by the FAMU Libraries.

The following is a selected list of electronically accessible journals published by professional associations affiliated with the field of Computer Information Systems. Numerous other journals are also available.

Association for Computing Machinery (ACM):

ACM Computing Survey (CSUR)

ACM Journal of Computer Documentation (JCD)

ACM Journal of Emerging Technologies in Computer Systems (JETC)

Journal of Experimental Algorithmics (JFA)

Journal of ACM (JACM)

Journal on Educational Resources in Computing (JERIC)

Association for Information Systems (AIS):

Communications of the Association for Information Systems

Journal of the Association for Information systems

Institute of Electrical and Electronic Engineers (IEEE):

Computer

Computing in Science and Engineering

IEEE Annals of the History of Computing

IEEE Computer Architectural Letters

IEEE Computer Graphics and Applications

IEEE Design and Test of Computers

IEEE Intelligent Systems

IEEE Internet Systems

IEEE Internet Computing

IEEE Micro

IEEE Multimedia

IEEE Pervasive Computing

IEEE Security and Privacy

IEEE Software

IEEE Transactions on Computers

Faculty Request for library purchases:

The Computer Information Systems faculty (CIS) may recommend items for purchase through the CIS faculty liaison, the library faculty liaison (subject librarian), or by contacting the Assistant Director for Collection Management via email or telephone. The CIS faculty liaison consults with colleagues and deans, directors, or chairs to make recommendations for library resources. The liaison also keeps the CIS subject librarian informed of curricular and/or degree changes that might impact how the library supports CIS programs. Purchase recommendation forms are available onsite or through the Libraries' web site. Faculty requests are supplemented by a robust approval plan, which automatically supplies current imprints from major publishers of CIS books.

Library Resources Budget:

The overall library resources budget for 2008-2009 was \$2,551,096.51. Nearly \$90,000.00 of the budget was spent on Computer Science Resources, approximately 3.5%. Computer science journal and database subscriptions were approximately \$75,000. Just about \$5,821 was spent on computer science books.

It is recommended that \$5,000-\$10,000 is included in the Information Technology proposal for the purchase of ACM electronic books.

Standard VII-3. Systems for locating and obtaining electronic information must be available.

3. Library Electronic Access

Assess the library's systems for locating and obtaining electronic information.

Electronic Access:

Access to the collection is electronic via the integrated online catalog system and the libraries' homepage. The online catalog allows for federated searching across databases, article linking, and personal customizations. Providing electronic access to reserve material is a feature of the integrated library management system as well. Users may access reserve materials through course names, faculty names or standard authors, title, subject or keywords.

Through the University Libraries' web page (<http://www.famu.edu/library>), faculty and students have full access to the FAMU library catalog on or off campus, and the library catalogs of the State of Florida University and Community College libraries. Online resources and services are available within the libraries, from campus computers, in faculty offices, and from residence halls. Faculty and students have access to 170 computers in the main library and to an additional 81 computers in the branches and reading rooms. All computers are well maintained and reliable. Off-campus access is also available 24 hours a day to authenticated users (students, faculty, and staff). Support services such as instruction, interlibrary loans, loan renewals, course reserves, reference assistance, instruction, and distance learning services are also accessible from the web page.

Remote access to the holdings of the library and databases is available to users with valid ID cards. Adequate licenses and agreements have been acquired for multiple users to avoid limited access and down time for our users. Electronic access to consortia holdings of the public state universities and community colleges is available from any public university, community college, or public library. The Florida Center for Library Automation (FCLA) licenses core databases for all Florida public universities and makes them available at any of the universities. Databases licensed for the Florida Electronic Library, offered by the State Library of Florida are also available from public libraries and college and university libraries.