Resources

Library resources and services are sufficient to ensure the achievement of the goals and outcomes of the computer Science program. The University Libraries provide collections of current books, periodicals, and pertinent reference materials, which are readily accessible to students and are sufficient in scope to support the curriculum. The Samuel H. Coleman Memorial Library (the main library) and branch libraries provide traditional print and bibliographic and abstracting databases, as well as electronic access to full text databases, e-journals, and e-books. Library collections contain materials that support the Computer Science Curriculum directly and indirectly through general sciences, and social sciences interdisciplinary collections.

The following table shows library holdings targeted for use by the general campus and community population, as well as holdings targeted to support the computer science.

<table>
<thead>
<tr>
<th>Library Resources</th>
<th>General</th>
<th>Computer Science</th>
<th>Computer Information Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holdings</td>
<td>1,398,922</td>
<td>21,614</td>
<td>3,591</td>
</tr>
<tr>
<td>Books</td>
<td>1,255,906</td>
<td>19,093</td>
<td>3,202</td>
</tr>
<tr>
<td>Microforms</td>
<td>203,899</td>
<td>83</td>
<td>365</td>
</tr>
<tr>
<td>Media</td>
<td>25,068</td>
<td>24</td>
<td>3</td>
</tr>
<tr>
<td>Electronic Books</td>
<td>66,245</td>
<td>2,900</td>
<td>1,113</td>
</tr>
<tr>
<td>Journals/Serial</td>
<td>103,185</td>
<td>1,443</td>
<td>280</td>
</tr>
<tr>
<td>Electronic Journals</td>
<td>60,219</td>
<td>1,303</td>
<td>205</td>
</tr>
<tr>
<td>Electronic databases</td>
<td>320</td>
<td>30</td>
<td>20</td>
</tr>
</tbody>
</table>

The University maintains borrowing agreements and memberships that mutually enhance resources availability for FAMU and other Florida learning communities. Partnerships are with the State University Libraries of Florida, the Florida College System Libraries and the State Library of Florida. Memberships are with the Florida Virtual Campus (FLVC), and the FLVC Florida Distance Learning and Student Services. Florida public postsecondary college and university libraries provide services directly and indirectly to students and faculty of State of Florida postsecondary institutions. Over 121,000 volumes held by the other 39 Florida public postsecondary institutions supplement the FAMU computer science collections. The following information details the additional resources and services available to FAMU students and faculty.
Full onsite and reciprocal borrowing privileges to students and faculty at all 39 Florida public institutions of postsecondary education is provided. Service includes daily document delivery via statewide courier among nearly 300 libraries in the Florida Library Information Network (FLIN). FAMU students and faculty have access to the courier service for interlibrary loan transactions.

Faculty and students also have access to the Publication of Archival, Library & Museum Materials (PALMM) Collection. This collection is a cooperative initiative of the public Universities of Florida to provide digital access to unique archival resources for research and scholarship.

<table>
<thead>
<tr>
<th>Libraries</th>
<th>General</th>
<th>Computer Science</th>
<th>Computer Information Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Universities of Florida</td>
<td>14,511,242</td>
<td>71,604</td>
<td>42,139</td>
</tr>
<tr>
<td>Florida College System</td>
<td>4,883,380</td>
<td>17,584</td>
<td>7,030</td>
</tr>
</tbody>
</table>

In addition to the funds provided by the University, several electronic resources in support of computer science are funded by the Florida Virtual Campus at an annual cost of approximately $250,000.

**Access to Collections and Services**

Students, faculty and staff have access to collections, resources and services 24 hours a day, seven days a week, either through the 141 hours that the main library is open or through the library web page. Through the University Libraries’ web page, 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 Florida College System libraries. Online resources and services are available within the libraries, from campus computers, in faculty offices, and from residence halls. 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.
Services

FAMU Libraries provide a full range of traditional and innovative library services. Users have access to reference services via local and toll free telephone, electronic mail, online chat service (AskALibrarian), and fax. Services enable users to access and to use information resources in the libraries and from remote locations. The Information Commons, in Coleman Library, allows users to access main library services from one common area. Several Library services are available from this service point. Services include borrowing privileges, interlibrary loan, course reserves, reference and research services, and systems support services.

Borrowing Privileges
Students, faculty, and staff have borrowing privileges at the FAMU Libraries, and reciprocal borrowing privileges to the 39 public universities and colleges in Florida. Borrowers may view and renew items that are currently checked out through the online catalog.

Interlibrary Loan
Students, faculty, and staff who are currently enrolled and engaged in academic research have Interlibrary Loan (ILL) borrowing privileges to the 39 public universities and colleges in Florida and to other libraries globally. Requests may be initiated in person or through the online catalog, which along with reciprocal borrowing and the provision of licensed databases, provides access to materials that the University does not own.

Course Reserves
Print and electronic materials may be placed on reserve at the Libraries. The reserve service provides a central and convenient location for students to retrieve materials. These materials are owned by the University or come from the private collections of faculty who place materials on reserve for enrolled students.

Reference and Research Services
On site and virtual reference/research services are provided. Reference Services include individual research/consultation, the provision of electronic and print subject guides including computer science and the provision of online tutorials. Reference librarians provide a variety of instructional services to meet the information literacy needs of students, faculty, staff, administrators, and the community at large.

Instruction/Information Literacy
The University Libraries provide competent, quality, and timely instruction through a variety of instructional services. Information is delivered through informal and point of use instruction, individual and group instruction, formal orientations and literacy sessions, orientation to new student groups, subject specific scheduled workshops, printed handouts, subject guides and online tutorials. Instruction is provided to local users as well as to distance learners. Library users should be able to differentiate between trustworthy and untrustworthy sources, and have the skills to use resources independently. Instruction (information literacy) sessions are designed to equip users with the skills needed to locate, evaluate, and use library information resources and services.

Prepared by DaVinci Metcalf and Brenda Wright, June 2013
Formal literacy instruction is based upon goals as defined by classroom faculty. These classes are held in state-of-the-art classrooms, which allow hands-on interactive instruction. Library instruction is based upon guidelines published by the Association of College and Research Libraries (ACRL) Guidelines for Instruction Programs in Academic Libraries.

Liaison Program
Librarians work with all academic units to assure that the collection supports defined curricular goals and that adequate services, including instruction are provided. The Computer Information Systems Department has appointed a representative to the Library Collection Development Committee. This liaison works in collaboration with library faculty to evaluate, select, and purchase resources recommended for computer science.

Systems Support Services
The Systems Department provides and maintains 250 public computers along with software, hardware and support services necessary for providing and using information resources. Computers are configured to provide access to the libraries’ web page and online catalog. Computers are also configured with various types of production software allowing users’ access to the Microsoft Office Suite (Word, Excel, PowerPoint, OneNote, InfoPath, Groove, and Access), Write-N-Cite, Course Compass, SciFinder Scholar, and Census Tract. Designated computer areas make it possible for patrons to save documents temporarily to a designated hard drive. As a result of customer service surveys and analysis, several additional services have been made available. Separate email stations have been installed near the Information Commons Desk. A Microtek 9800XL flatbed scanner that provides scanning of photos and multiple document formats and sizes is available. A Print-N-Go station is available for patrons who need to print documents hurriedly and go. Computers have been placed in group study rooms and in the Jazzman’s Café and Study Lounge. Library users can print to designated print stations. Computers are located on each floor of the main library and in all branch libraries. A help desk is staffed as part of the Information Commons to assist users with software applications and technology support. Helpdesk staff assists patrons with directional questions, laptop registration and circulation, referrals and resolution of computing and printing needs and issues.

Staff
All Library and related personnel meet or exceed minimal educational requirements as defined by the Association of College and Research Libraries (ACRL). Librarians hold master’s degrees from ALA accredited schools. Additionally, two faculty librarians have completed the specialists’ degree in library science; four faculty librarians have completed master’s degrees in other subject disciplines; and one faculty librarian has completed the Ph.D. degree in library science or information studies. The University employs 16 librarians. Support staff are also very well qualified, evidenced by one support staff holding a master’s degree and 17 support staff holding bachelor’s degrees.
Facilities

All faculty and students have full access to the facilities of FAMU’s Coleman Memorial Library and branch libraries. These facilities more than adequately support faculty and student use of information technology for instruction, learning and research. Coleman Memorial Library occupies approximately 88,964 net square feet. Almost 20,000 additional square feet are available in the branch libraries. The University Libraries presently have a seating capacity of 834, including group study rooms, a student study lounge and cafe, and 20 graduate/faculty study carrels. The recent addition to Coleman Library also includes a state of the art information literacy classroom and teleconference rooms. All library facilities enjoy dense fiber optic wiring (one outlet for every 40 square feet of floor space) to the desktop. In addition to fiber wiring, much of the main library and its immediate grounds are wireless, enabling students and faculty convenient and generous access to the wireless network using their own supported laptops, or they may borrow one of 24 network-ready laptops from the Library Systems Department for use in the library.

The Office of Instructional Technology is housed in Coleman Library. Instructional Technology contains two teleconference centers/distance learning classrooms, with a combined seating capacity of over 50 people, designed for both satellite teleconferencing and for mediated viewing. The IMC also contains an open computer laboratory, television services, graphics and production laboratory, and faculty development laboratory. Non-print resources and equipment are available for faculty to borrow and/or view.
Electronic Journals
In Support of
COMPUTER SCIENCE

The following is a link to 709 electronic journals for which the library has access and a selected list of electronically accessible journals published by professional associations affiliated with Computer Science.

- Computer Science (709)

Selected e-Journals

**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

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These databases are available through the library website. They may be accessed from home or office using your activated library number found at the bottom left of your Rattler Card.

ACM Digital Library
Provides full text access to all ACM journals, magazines, and special interest group conference proceedings. A wide range of computer and information science topics are covered.

ANTE: Abstracts in New Technology and Engineering
Coverage includes information technology and computing. Abstracts are available from January 1993 to the present. Sources covered include over 350 periodicals, conference proceedings, technical reports, trade journal/newsletter items, patents, books, and press releases.

Applied Science & Technology Full Text
Coverage includes trade and industrial publications, journals issued by professional and technical societies, and specialized subject periodicals, as well as special issues such as buyers' guides, directories, and conference proceedings. Abstracting coverage begins March 1993; full Text coverage begins in 1997.

Association for Computing Machinery's Digital Library
Full-text access to all ACM journals, magazines, and Special Interest Group conference proceedings covering a wide range of computer and information science topics.

Computer & Information Systems Abstracts
Jointly published with Engineering Information, this database provides a comprehensive monthly update on the latest theoretical research and practical applications around the world.

Computer Database
Find computer-related product introductions, news and reviews in areas such as hardware, software, electronics, engineering, communications and the application of technology.

Computing Reviews
Computing Reviews contains reviews of computer science literature. The reviews link directly to the full text of the items being reviewed (journal articles, books, conference proceedings, etc.).

Electronics & Communications Abstracts
This comprehensive guide to the ongoing work in the field of Electronics and Communications tracks every relevant source of information necessary to keep abreast in this discipline.

Engineered Research Database
Bibliographic coverage of the international literature for research in engineering, including,
mathematics/computation and latest technological developments.

**IEEE Xplore**
IEEE Xplore provides Web access to highly cited publications in electrical engineering, computer science and electronics. It is comprised of over 160 journals, over 1,200 conference proceedings, and more than 3,800 technical standards.

**ProQuest Computing**
ProQuest Computing™ provides access to comprehensive coverage of computer topics. The database includes over 350 titles, with nearly 300 available in full text.

**ScienceDirect**
The ScienceDirect Database provides full text to research journals in the scientific, technical, and medical disciplines, including computer science.

**SpringerLink**
Provides comprehensive full text coverage of scientific, technological and medical journals, including computer science.

**Wiley Online Library**
Full text access to a multidisciplinary collection of journals covering life, health and physical sciences, social science, and the humanities. Coverage includes computer science and information technology.