Georgia Southern University

Georgia Southern Commons

2014

Civil Engineering Accreditation Document 2013 (Revised 2014)

Georgia Southern University Libraries

Zach S. Henderson Library

The Zach S. Henderson Library supports Georgia Southern University by providing access to the information, collections, and services designed to meet the scholarly needs of the University and the general public. The Library promotes independent lifelong learning, employs a learner-centered service ethic, and ensures a comfortable and secure study environment. It is a major academic resource for the campus, with its extensive collections of academic books and journals, government publications, special book and manuscript collections, and links to networked information resources in various electronic formats. The service patterns established by the Library accommodate more than 4400 in-house users each day during the academic terms. The Henderson Library is centrally located on campus in a four-story 235,000ft^2 building constructed in 1975 which was expanded and renovated in 2008. The Library seats 1900 people, with nearly 300 hard-wired computers and wireless access throughout the building. The automated retrieval system was the first of its kind in the southeast, and can hold 800,000 books. The Library currently offers the most extensive operating schedule of any academic library in the state of Georgia. During the academic terms, the first and second floors of the Library remain open for 143 of the 168 hours in each week to provide access to the Library's resources.

Recent library statistics are summarized in the following two tables. (**Note:** All data are for fiscal year 2011 (FY 11), and are current as of August 28, 2012.)

Table 7E-1. Library Holdings *[update with June 30, 2013 report]*

Library Holdings	
Volumes of cataloged books and bound periodicals	631,881
Electronic Books	48,118
Government documents	766,925
Print serial subscriptions	1,773
Electronic journals	40,915
Electronic databases	310
Units of microform	896,453
Titles of film and video materials	29,526

Table 7E-2. Library Holdings

Library Statistics	
General and Reserve circulation transactions	372,511
Interlibrary loans provided to other libraries	6,832
Interlibrary loans received from other libraries	5,338
Public service hours during typical academic semester week	143
Librarians and other professional employees (EFT)	19
Staff members (EFT)	35.5

<u>Library Organization</u>
The Zach S. Henderson Library is served by a staff of ==54.5 EFT, including 19 credentialed librarians with six having master's degrees and five, doctoral degrees.==

Access Services
Access Services is responsible for the books, building, equipment and people. This department oversees services at the circulation and reserve desks, handles document delivery for off-campus students, interlibrary loans, GIL Express, photocopiers and microfilm reader/printers. They also are responsible for room reservations, for re-shelving materials all over the building, and for all library services between midnight and 8am. The Henderson Library participates with other libraries in the international OCLC network of over ==60,000 libraries== for interlibrary loans. The Henderson Library absorbs all charges, so the service is free to borrowers. Many articles are provided to patrons in PDF format via e-mail. Students enrolled in Distance Learning and other off-campus classes at Georgia Southern may request that Library materials be sent directly to them. Faculty members also enjoy library items and interlibrary loan items being mailed to their offices free of charge. There is no limit to the number of items requested, and there is no charge for these services.

GIL Express is an initiative whereby circulating books may be ordered directly from any University System of Georgia library. All faculty, staff, and students in good standing are eligible to use the service. ==Engineering represents 5.2% of interlibrary loan borrowing.==

Collection and Resource Services
The Collection and Resource Services manages the library collection and catalog, purchasing and receiving new books, periodicals, gifts and other resources, and organizing those materials for inclusion in the library collection.

The Henderson Library provides access to ==457 electronic databases==, which include full-text databases, bibliographic indexes, electronic reference books and a film-viewing database. These databases are available through the statewide consortium GALILEO, or Georgia Library Learning Online, which is a program of the University System of Georgia providing a common set of electronic resources to all System institutions over the System's statewide computer network. ==Sixty-six of these databases are funded by Henderson Library==. Specialized databases in support of the engineering programs are listed at http://www.galileo.usg.edu/scholar/georgiasouthern/subjects/engineering/articles-databases/.

The Library provides access to ==40,915 electronic full text journals as of October 2012, compared with 15,449 in 2004==. These are all accessible via the Library's Electronic Journals A-to-Z list. The Library supports the entire campus. The various collections of the Library are systematically built and maintained in close cooperation with the faculties of the academic departments within the University. Decisions on adding new material to the collection and withdrawing unneeded material are made collectively with the faculty members of the affected disciplines. Each academic department appoints a faculty member to serve as the Library Representative to forward the requests from the department to the Subject Specialist Librarian and to facilitate the journal and book selection process.

The Henderson Library has created ~~EagleScholar,~~ <mark>Digital Commons@Georgia Southern</mark> an open-access digital archive for the scholarly output of the Georgia Southern community. Its mission is to preserve and make more widely available to the international scholarly community the intellectual output of the University's faculty, staff and students. It also serves as an archive of historical and other materials that broadly support the University's academic mission. Submissions to the archive may be made directly by registered authors or can be facilitated by the Library at the author's or community's request. Open access journals, student projects, theses, dissertations, pre-and post-print articles, instructional resources and university archival material are all candidates for deposit. <mark>*[add something about Selected Works?]*</mark>

Government Documents
As a depository for publications of the U.S. Government and the State of Georgia, Henderson Library has a special responsibility to make those publications available to the academic community and to the public at large in accordance with the rules and policies of the U.S. Superintendent of Documents and the State of Georgia.

Information Services
Information Services is responsible for assisting with the use and evaluation of information resources in all formats. The Learning Commons is a dynamic and active feature of the Library's efforts to meet the needs of the university community. Students and faculty may conduct library research, type and print reports, access multimedia production software and hardware, and seek computer assistance in one location. Additionally, multimedia equipment is available for checkout.

Group collaboration (e.g., student/student or faculty/student) is one of the many activities promoted in the Learning Commons. Library users can rehearse presentations in the Presentation Practice Room located on the first floor. They may study individually throughout the library or use one of <mark>28 group study rooms, four of which are designated for graduate students only</mark>. The Presentation Practice Room and graduate study rooms are available upon reservation and key checkout from the Circulation Desk while the others are available on a first-come-first-served basis.

In addition to the Learning Commons desk, the Subject Specialist Librarians work closely with faculty to provide **customized, course-focused information literacy instruction**, as well as one-on-one research appointments and <mark>workshops on demand *[update link]*</mark>. The Information Services Librarians and the Coordinator of Content Management (the Library Liaison program) provide integrated services focusing upon specific subject areas. As subject specialists, they work closely with students, staff and faculty in the appropriate colleges/ departments to deliver reference and research assistance (including instant messaging), information literacy instruction and library collection development as integrated services. The Subject Specialist Librarian for the engineering programs is ~~JoEllen Broome, MLS, MA.~~ Ruth Baker, MA, AbD, MSLIS [*I can link to me e-portfolio here*]

The Library Liaisons, including the Subject Specialists, serve selected entities at Georgia Southern beyond the subject-based academic structure, with the following goals.

- Facilitate consistent, ongoing, two-way communication between Henderson Library and faculty, staff and students.
- Gather input from various entities to continually refine Henderson Library's provision of access to information, collections and services.

For example, Ms. ~~Broome~~ Baker serves as the Library Liaison to CT2 (The Centers for Teaching and Technology) ~~(Student Alliance for a Green Earth)~~.

Systems Department

This department maintains the Library's nearly 500 computers and printers. The department also supports the Library's local area network, servers and the software for research and for the day-to-day operations like purchasing and circulating books and other materials. Henderson Library is committed to the full use of information technology, including the maintenance of an integrated automated library system for catalog, circulation, acquisitions and serials control functions. The Library provides on-campus and off-campus Internet access and assists in the use of the information resources located on this international academic network. The Library offers nearly 500 state-of-the-art workstations, which provide software to support the academic curriculum. One-third of these public machines are replaced each year. As resources permit, bibliographic reference and indexing resources are made available in electronic form for use within the library building and throughout the campus network.

The Library uses Voyager®, an integrated online library system developed by [Endeavor Information Systems](#), which is now a subsidiary of Ex Libris Group. All of the constituent campuses of the University System of Georgia employ the Voyager® system, which enables the campuses to link their catalogs into a statewide catalog and facilitate resource sharing. In addition, USG Libraries have launched a discovery tool, [GIL-Find](#), which can help users search catalogs.

The library's homepage, http://library.georgiasouthern.edu/, is the platform from which students and faculty may search the library's online catalog and link to many electronic information resources, such as GALILEO. In addition, the librarians have added many help pages with instructional brochures, bibliographies, subject guides and a set of library-related bookmarks.

Table 7E-4 is a list of the monographic Holdings of the Henderson Library arranged by publication date and by LC Class. Roughly five percent of the library's 483,986 titles are related to engineering or engineering technology. Patrons of the Henderson Library also have access to various electronic journals related to engineering and engineering technology. The specific breakdown by topic is provided in Table 7E-3.

Table 7E-3.   e-Journals Available Through Henderson Library

Generalized e-journal Topics Available Thru the Henderson Library	Number of e-journals Available to the Henderson Library
Aerospace and Aeronautics	166
Agricultural Engineering	19
Architecture	218
Automobile and Transportation	145
Biomedical Engineering	95
Biotechnology	161
Chemical Engineering	110
Civil Engineering	**569**
Control Engineering	40
Cryotechnology	68
Dairy Technology	10
Electrical Engineering	492
Electronics	283
Energy Engineering	79
Environmental Engineering	229
Ergonomics	28
Firefighting and Safety Engineering	30
Fluid Engineering	29
Food Science and Technology	113
Fuel Technology	27
General and Others	402
Industrial Engineering	155
Instrumentation	50
Marine Engineering	49
Mechanical Engineering	236
Metrology	8
Mining Engineering	138
Nuclear Engineering	21
Petroleum Engineering	44
Pharmaceutical Technology	12
Polymer Technology	47
Printing Technology	29
Production Technology	88
Quality Engineering	31
Satellites, Space Probes & Technology	62
Textile Engineering	17

Table 7E-4. Monographic Holdings of the Henderson Library Arranged by Publication Date and by LC Class *(get data from July 2013)*

Library of Congress Classification*		Pre-2000	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Total # in the Library
T	Technology General	1,707	93	60	74	64	34	53	42	43	35	17	32	13	3	2,270
TA	Engineering General	2,120	102	95	87	64	85	87	79	92	32	10	12	4		2,870
TC	Hydraulic Engineering	220	5	9	11	11	6	8	16	5	4	3	2	2		302
TD	Environmental Technology (Sanitary Engineering)	1,000	88	65	53	60	41	63	61	51	20	23	18	5		1,548
TE	Highway Engineering	402	1	2	2	4	2	2	1	2	2			1		421
TF	Railroad Engineering	57	2		1	2	2	1	6	3	1					75
TH	Building Construction	687	38	33	33	22	33	26	30	25	13	8	9	6		963
TJ	Mechanical Engineering and Machinery	1,130	47	38	28	42	31	40	52	51	23	14	18	3		1,517
TK	Electrical Engineering Electronics Nuclear Engineering	3,039	405	342	341	379	310	310	318	308	105	42	70	15	3	5,987
TL	Moto Vehicles Aeronautics Astronautic	968	60	56	63	68	47	30	43	31	19	7	18	8		1,418
TN	Mining Engineering Metallurgy	1,802	5	6	4	7	12	4	5	6	1	6	3	1		1,862
TP	Chemical Technology	952	63	60	53	47	39	23	26	13	13	15	18	4	2	1,328
TR	Photography	1,123	126	100	106	91	99	141	125	118	2	8	7	12	1	2,059
TS	Manufacturing	1,574	53	53	46	38	38	53	48	25	8		6	2	1	1,945
Total Library Holdings		373,160	14,150	11,204	9,164	9,382	9,731	9,689	10,096	9,491	4,614	5,886	8,747	6,444	2,222	483,986

* Complete Library of Congress Classification can be found at http://www.loc.gov/catdir/cpso/lcco/