

Phillips Library Program Review Resource Analysis

Computer Science

Spring 2021

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Introduction

Phillips Library at Aurora University is dedicated to the transformative power of learning. We are an inclusive community that serves students by providing resources, ensuring access to information, delivering information literacy instruction, and creating a collaborative physical space. The mission of Phillips Library is to engage students in an innovative environment to enhance their learning.

The AU Computer Science program is designed to meet the demands of today and to anticipate the needs of tomorrow. Students will learn the fundamentals of Computer Science, including computer architecture, software engineering, database systems, algorithm design and analysis, multiple languages, and web development. Students will also be introduced to artificial intelligence and robotics. The program is designed to develop effective problem solvers, with coursework that is similar to what students will experience in the real world.

Access

Phillips Library provides access to our resources through several different resource sharing tools. Through participation in the CARLI statewide consortium of academic libraries, all users have access to the print holdings of more than 125 libraries. Books are requested online through the I-Share system and are delivered to Phillips Library, typically in less than one week. Print materials from libraries across the nation can be requested through WorldCat using the Tipasa system.

Access to journal articles that are not included as full-text documents in our subscription databases are available through the Tipasa system. Faculty and students find citation information by searching our database holdings, and when the article is not full-text they have the option to request electronic delivery of the article through Interlibrary Loan. Phillips Library provides the ILL service without passing along the cost to students, faculty or staff. During the 2018-2019 fiscal year we provided 3,040 ILL items and documents to AU students and faculty.

Space

***Note that this section refers to the physical space and operating hours within the library during a normal year and does not reflect seating, spacing, and other accommodations made due to Covid-19.** Phillips Library is open 98.5 hours per week during the regular semester with extended hours for the week leading up to final exams. The 13,000 sq. ft. space has seating for more than 250 students. The arrangement on the first floor encourages collaborative group work. Popular among students are the rolling white boards that students can use to collaborate on large assignments, practice presentations, and create mobile “rooms” for groups to gather. The second floor is dedicated to individual work and students will find study carrels and a quieter environment to stay focused. There is one computer lab with 30 workstations and an additional 10 workstations in the library lobby. The computers have a variety of software installed, and students have access to the university’s wireless network, printing, and scanning. The Learning Lab seats 12 and besides tutoring and information literacy instruction this space is available for students to reserve. Room 204 seats 8 and is available for students to reserve.

Information Literacy

Phillips Library instructional services are designed to develop students' research and information literacy skills. Faculty are encouraged to work with their library liaison to identify appropriate resources for students to successfully attain the learning outcomes of their program. Instruction sessions may be scheduled by any faculty member by reaching out to their department's library liaison. Sessions typically include the librarian presenting in the classroom and, ideally, allows time for students to conduct their own research with the librarian's assistance. This is accomplished by either requesting a computer classroom or a cart of laptops from ITS. In the Fall of 2020 the library began offering instruction sessions using Zoom in order to accommodate remote learning due to Covid-19. Librarians can join virtual classrooms to offer the same quality research instruction that is given in person.

The librarians are also available to students by appointment at the students' convenience. These one-on-one appointments are increasingly popular with our students as they juggle a variety of demands on their time. Drop-in research help is available during all hours that the library is open and is provided in-person, over the phone, via email, and through chat. Students can access the "Help" page of the library anytime where they will find video and PowerPoint tutorials along with commonly asked questions to help them navigate the library's resources. In the Fall of 2020 the library began offering individual instruction sessions virtually, via Zoom. Students may sign up for these sessions in the Academic SupportNet app by selecting the "Research with a Librarian" link. Sessions are 30 minutes long, and are customized to meet the needs of the individual student's research needs.

Phillips Library provided 175 information literacy sessions with a total attendance of 2,562 students in the 2018-2019 academic year.

Resources

Phillips Library focuses collection efforts on resources that support the curriculum. We have over 11,000 print volumes, access to over 190,000 eBooks, subscriptions to 62 databases which provide access to over 55,000 journals, and over 3,530 DVDs. Resources most relevant to the Social Work program include:

eBooks

eBooks relevant to social work are arranged by subject. A search for the following keywords within eBook subject headings revealed 122,798 unique titles:

- "Computer science"
- "Artificial intelligence"
- "Software engineering"
- "Computer software"
- "Database management"
- "Computer program language"

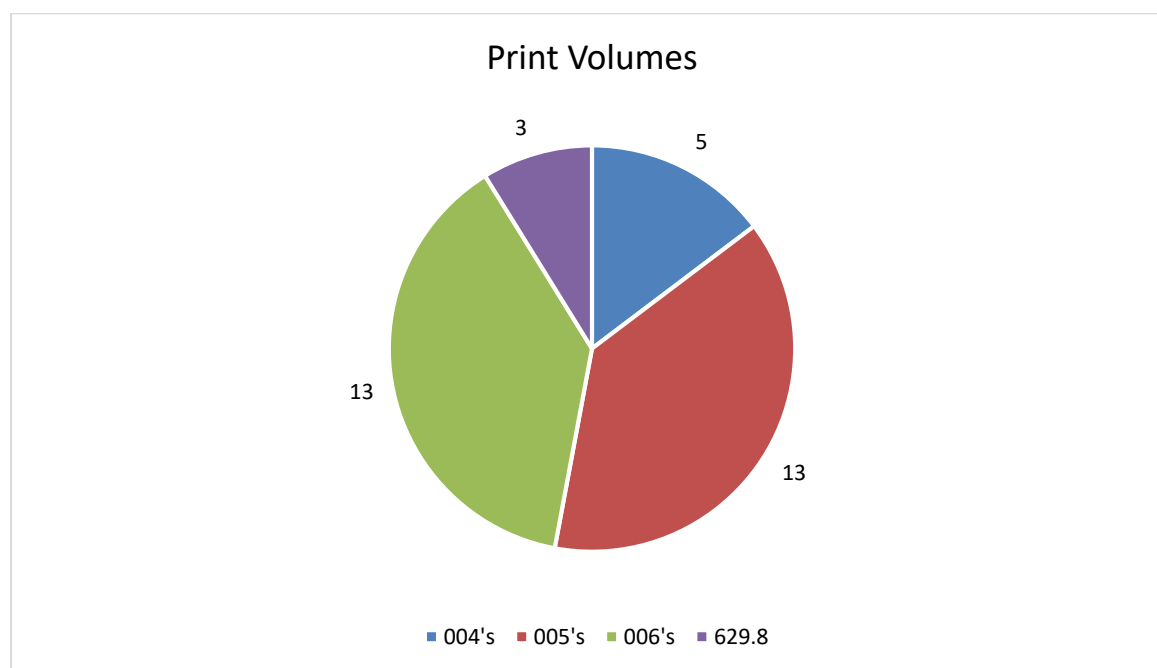
- “Web site development”
- “Document markup languages”

Print Volumes

The Phillips Library main circulating collection is organized via the Dewey Decimal Classification System. Works in the area of computers and computer science are cataloged in the 004-010 range. Philips Library holds books in the following categories:

- 004 Computer Science
- 005 Computer programming, programs, data
- 006 Special computer methods

Books about computer engineering are cataloged as 629.8



Databases

Academic Search Complete, designed for academic institutions, this database is a leading resource for scholarly research. It supports high-level research in the key areas of academic study by providing journals, periodicals, reports, books and more. Coverage ranges from 1887 – present.

Homeland Security Digital Library, The Homeland Security Digital Library (HSDL) is the nation's premier collection of documents related to homeland security policy, strategy, and organizational management. The HSDL is sponsored by the U.S. Department of Homeland Security's National Preparedness Directorate, FEMA and the Naval Postgraduate School Center for Homeland Defense and Security.

Business Source Complete, With premium full-text content and peer-reviewed business journals, this database is an essential tool for business students. It covers all disciplines of business, including marketing, management, accounting, banking, finance and more.

e-Journals

The library provides access to journals through databases subscriptions. These databases offer a package of journals that students, faculty and staff are able to access, which the database providers constantly update. However, this is not the only way we obtain full-text access to journals for students, faculty and staff. We also purchase access to individual titles, typically on a yearly subscription.

Listings of journal titles of interest to social work students and faculty are found using the Journal Search tool on the library's homepage. Under the category "Engineering and Applied Science" there are 309 individual computer science journals listed.

SCImago Journal Rank is an indicator used to measure the scientific influence of scholarly journals. It uses data such as citations received by a journal and the prestige of the journals that provide citations to that journal. Of the top ten ranked computer science journals, Phillips Library provides access to the following:

- *Journal of Statistical Software*
- *Molecular Systems Biology*
- *Journal of Computer-Mediated Communication*
- *MIS Quarterly*
- *Computer-Aided Civil and Infrastructure Engineering*
- *Npj Quantum Information*

Purchasing

Please submit requests for new materials to be added to the Phillips Library collections to your library liaison, Bronwen Heneghan. Bronwen can be reached at bheneghan@aurora.edu

Your request can be:

- a specific title of a book, film or periodical
- a subject that needs additional materials (books, periodicals or an entire database)

Your library liaison would be happy to provide you with selection materials such as recommended titles by Choice or publisher catalogs.

Disclaimer: Submitting a book order does not guarantee that Phillips Library will be able to purchase the material. Phillips Library purchases depend on the availability of funds, overall needs of the collection, courses being offered or developed and availability of items. Please refer to Phillips Library and Scott Library of Aurora University Collection Development Policy for more information about purchasing.