



Vice Provost for Libraries and Museums  
and May Morris University Librarian

181 South College Avenue  
Newark, DE 19717-5267  
Phone: 302-831-2231  
Fax: 302-831-1046

October 16, 2019

Memorandum

To: Fred T. Hofstetter, Professor, School of Education  
Chrystalla Mouza, Director and Professor, School of Education  
Lori Pollock, Alumni Distinguished Professor, Computer and Information Sciences

From: Trevor A. Dawes  
Vice Provost for Libraries and Museums  
and May Morris University Librarian

I am responding to your request to supply information about the capability of the University of Delaware Library, Museums and Press to support the proposed Graduate Certificate in Computer Science Education.

The University of Delaware Library with its strong education, teacher education, computer science, interdisciplinary, and electronic collections is well able to support this program. However, no additional funding is available for new resources. Enclosed is a description of library collections, resources and services available for this purpose.

I would be pleased to respond to any questions.

/nb

Enclosure

c: University of Delaware Library, Museums and Press  
Susan Davi, Associate Librarian and Head, Collections and  
Electronic Resources Management Department  
Margaret Grotti, Associate Librarian and Assistant Head of Instructional Services,  
Reference and Instructional Services Department  
Carol Rudisell, Librarian and Head, Reference and Instructional Services Department  
William Simpson, Associate Librarian, Reference and Instructional Services Department

October 16, 2019

Report on Library Services and Collections in Support of the  
Graduate Certificate in Computer Science Education

General Description

The University of Delaware Library, Museums and Press includes the Hugh M. Morris Library, where the main collection is housed; three branch libraries located on the Newark campus, the Chemistry Library and the Physics Library, and the Education Resource Center; and a fourth branch library, the Marine Studies Library, located in Lewes, Delaware. The Library collections parallel the University's academic interests and support all disciplines. The new program is directly supported by the Library's strong collections in teacher education, educational technology, computer science, and related interdisciplinary areas.

Databases, full-text electronic journals and electronic books, books, periodicals, microforms, government publications, maps, manuscripts and media provide a major academic resource for the University of Delaware, the surrounding community, the state of Delaware and the nation. Library staff members provide a wide range of services.

The Library collections contain over 2,700,000 print volumes, and provide access to more than 700,000 eBooks, 110,000 eJournals, and 400 databases. The collections are broadly based and comprehensive.

The University of Delaware Library is a U.S. depository library and a U.S. patent depository library.

Specific Support for Computer Science Education

From the APA request document (undated and unpagged):

“The University of Delaware is well equipped with resources already in place to support this Graduate Certificate in Computer Science Education. The scholarly literature about teaching computer science and the applicable standards documents are all available freely online or via Delcat Discovery. As noted above, the UD MakerGym situated in Pearson Hall features equipment, tools, training and other resources for project-based instruction. The Student Multimedia Design Center (SMDC) in the Morris Library provides state-of-the-art facilities for creating projects involving interactive media.”

The Library's collections are strong and are well able to support the proposed Computer Science Education graduate certificate. For many years, the Library has supported related graduate and

undergraduate programs in teacher education, educational technology, educational leadership, and computer science. The collections in these areas are excellent and continue to grow.

The Library has two experienced librarians who are available to work with the faculty and students in this program. They are:

- Meg Grotti ([mgtrotti@udel.edu](mailto:mgtrotti@udel.edu)) – Education, Human Development & Family Sciences
- William Simpson ([wsimpson@udel.edu](mailto:wsimpson@udel.edu)) – Computer & Information Sciences

These librarians can work with you to:

- Further develop Library collections, both print and electronic to support the teaching, learning and research needs of the program
- Provide research support for faculty and students in a consultation setting
- Provide instruction in a classroom setting
- Serve as a resource for the information needs of the faculty and students as they relate to the Library, Scholarly Communication, Open Access and other topics

More than 200 research guides [<guides.lib.udel.edu/>](http://guides.lib.udel.edu/) in all subject areas have been developed and are maintained by librarian liaisons. These research guides describe library resources and assist students in the research process. These guides introduce students to a wide array of useful resources including databases, eJournals, eBooks, reference materials, visual material and more. The librarians mentioned above are also available to work with faculty to develop research guides for specific courses within this program.

The Library subscribes to more than 400 online databases [<library.udel.edu/databases/>](http://library.udel.edu/databases/) which support research in all areas. Among the most important databases for study and research in computer science education are: *Education Source*, *ERIC*, *Educator's Reference Complete*, *ACM (Association for Computing Machinery) Digital Library*, and *IEEE/IET Electronic Library*.

In addition to its extensive print-based collections, the Library provides access to more than 110,000 electronic journals [<library.udel.edu/ejournals/>](http://library.udel.edu/ejournals/) and more than 700,000 electronic books [<library.udel.edu/ebooks/>](http://library.udel.edu/ebooks/). Within the Library's eJournal and eBook collections, publishers such as ACM, National Council of Teachers of Mathematics, IEEE, Taylor & Francis, Springer, and SAGE, all publish journals, conference proceedings, magazines, and books which are relevant to computer science education.

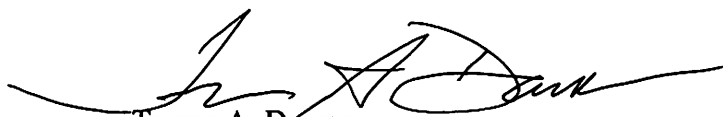
The Library also subscribes to *RefWorks*, a web-based citation management tool that can be used with most databases. Access to *EndNote Online* via the Library's *Web of Science* subscription is also available.

The Library has strong collections of film and video [<library.udel.edu/filmandvideo/>](http://library.udel.edu/filmandvideo/) which support study and teaching in all subject areas.

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The Library has a nationally recognized Student Multimedia Design Center [library.udel.edu/multimedia/](http://library.udel.edu/multimedia/) which provides access to equipment, software, and training related to the creation of multimedia projects. The Student Multimedia Design Center includes over 80 workstations, six studios, and two classrooms focused on multimedia creation. University of Delaware users also may borrow a wide variety of multimedia equipment. Through its Multimedia Literacy program, the Student Multimedia Design Center provides instructional support for faculty seeking to incorporate multimedia into their assignments.

In addition, the Library maintains an Institutional Repository ([udspace.udel.edu/](http://udspace.udel.edu/)), which archives research reports, documents, and other resources produced by University of Delaware faculty and students.

A handwritten signature in black ink, appearing to read 'Trevor A. Dawes', with a long horizontal flourish extending to the left.

Trevor A. Dawes  
Vice Provost for Libraries and Museums  
and May Morris University Librarian