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SCHOOL OF COMPUTING & INFORMATION SCIENCE GRADUATE CERTIFICATE IN INFORMATION SYSTEMS

The Information Systems graduate programs focus on technical, managerial and policy issues associated with constructing and managing computer-based information systems for modern organizations. All areas of private and public enterprise rely on information systems for communication, planning, providing services, control and supporting decisions. The objectives of our IS graduate programs are to meet the growing demand in society for graduates with high-level information system skills and provide a path for women and men from diverse fields to rapidly transition to information system career paths by providing them with foundation graduate level courses in information systems. The program is explicitly designed to accommodate students from wide ranging undergraduate degree backgrounds.

The Graduate Certificate in Information Systems is earned by those students who complete fifteen credits of required courses under the MS Information Systems graduate degree program. All of the required courses should be available to the student through distance technologies at least once within any two-year period. Typically, distance students view class sessions over the internet that have been recorded with the on-campus students. They accomplish the same assignments and exams. In some instances, may participate live over the internet. If one of the courses has been waived due to previous course work or acquired skills, students are required to take an appropriate replacement course as specified by the graduate coordinator in consultation with the MSIS graduate faculty.

Unless students know positively that they will not pursue a full master's degree online, students desiring to acquire the Graduate Certificate in Information Systems should apply for formal admission to the MS Information Systems (MSIS) program. If a student is unable to complete the full MS within a reasonable period of time, the student may request of the graduate coordinator that they be awarded the 5-course Graduate Certificate in Information Systems in lieu of completing the MSIS. Up to two graduate

PROGRAM REQUIREMENTS (15 credits)

The Graduate Certificate in Information Systems requires completion of the following five courses:

- SIE 505: Formal Foundations of Information Systems (3 cr.)
- SIE 507: Information Systems Programming (3 cr.)
- SIE 515: Human Computer Interaction (3 cr.)
- SIE 525: Information Systems Law (3 cr.)
- SIE 550: Design of Information Systems (3 cr.)

courses may be taken as a Non-degree Student prior to formal admission. Students desiring only the Graduate Certificate should complete that application instead.

For more information visit
online.umaine.edu/scis

WHAT CAN I DO WITH AN INFORMATION SYSTEMS CERTIFICATE?

The future business climate will be characterized by rapid technological change, intense global competition, faster product life cycles and more complex, specialized markets. In such an environment the information needs of organizations are increasingly complex and rapidly changing. Individuals with information systems expertise who can design and develop information systems, manage sophisticated information resources, work on interdisciplinary teams and communicate effectively with business managers, engineers and other end-users are in short supply. A major goal of our graduate programs is to produce individuals who can make significant contributions to economic development by ensuring that businesses have the expertise needed to remain competitive.

The demand for graduates of graduate-level information systems programs both in-state and nationally is high. Information technologies are key to enabling the growth of businesses.

Contact an advisor to get started today umaine.edu/online

ADVISING CENTER

NOT SURE WHERE TO BEGIN?

Contact our advising center to get started. Our Enrollment Advisors can help you decide which academic program is right for you, review transfer credits, walk you through the Admission process, discuss financial aid options, describe what it's like to learn online, and more. We are here for you!

Set up an appointment today.
207.581.5858
umaineonline@maine.edu
Belfast and Orono locations
umaine.edu/online



Tuition*

Maine Residents:
\$418/credit hour

Non-Residents:
\$1,361/credit hour

Fees*

- **Unified Fee**
less than 6 credit hours: \$125
6–11 credit hours: \$381
12–15 credit hours: \$934
16 or more credit hours: \$958
- **Online Fee**
\$25/credit hour

*Rates apply to the 2016-17 academic year. Unique course and/or program fees may apply.

Apply Now

Ready to get started?
Visit us online for information on how to apply: umaine.edu/online



Individuals in all areas of private and public enterprise rely on information systems for communication, planning, control and decision support. The advanced knowledge provided by graduate-level information systems programs is needed across a wide range of commercial settings. While the market-place demand for students with graduate course work in information systems is already high, the demand for such skills is predicted to steeply increase in the years ahead.

FACULTY PROFILE



Professor Harlan Onsrud's research focuses on the analysis of legal, ethical, and institutional issues affecting the creation and use of digital databases and the assessment of the social impacts

of spatial technologies. He is past president and current Executive Director of the Global Spatial Data Infrastructure Association (GSDI), past-president of the University Consortium for Geographic Information Science (UCGIS), and past Chair of the U.S. National Committee (USNC) on Data for Science and Technology (CODATA) of the National Research Council. He has participated in and chaired U.S. National Research Council studies addressing various spatial data and service issues and is a lifetime National Associate of the U.S. National Academies of Sciences. He is a former chair of the Socioeconomic Data and Applications Center (SEDAC) Working Group, a Distributed Active Archive Center (DAAC) in the Earth Observing

ACADEMIC CALENDAR

Fall Semester 2016

Classes begin August 29
Registration for Spring 2017
October 24–November 18
Final Exams end December 18

Winter Session 2016-2017

Classes begin December 27
Classes end January 14

Spring Semester 2017

Classes begin January 17
Registration for Fall 2017 (tentative)
March 27–April 28
Final exams end May 12
Commencement Saturday, May 13

Summer University 2017

Registration begins February 6
Classes begin May 15
Classes end August 18

System Data and Information System (EOSDIS) located at CIESIN, Columbia University. He teaches courses in Information Systems Law, Information Ethics, Responsible Conduct of Research and has a teaching interest in Cadastral and Land Information Systems. He is listed by the J. William Fulbright Foreign Scholarship Board for Fulbright Specialist teaching assignments in Law and has completed such assignments at the University of Melbourne and the University of Muenster. A unifying theme in much of his teaching and research involves the concept of "ethics driven design." He is graduate coordinator for the MS and PhD programs in Spatial Information Science and Engineering and the MS Information Systems program.