

 Doctor of Philosophy

PhD IN COMPUTER SCIENCE AND INFORMATION SYSTEMS



DENVER'S BUSINESS SCHOOL

The future of business education for the Rocky Mountain region is here, at the University of Colorado Denver Business School. Located in Denver's vibrant downtown, the Business School's extensive range of degree programs and innovative industry specializations keep pace with the needs of students and businesses in the region and beyond. Flexible class schedules, AACSB accreditation, and a focus on real-world application make the Business School a top choice for working professionals. Graduates leave with skills and knowledge that prime them for careers of significance.

PREPARE FOR THE FUTURE

The PhD in CSIS prepares students for successful careers as university professors, industrial research and development scientists, and senior consultants. The customized program design is facilitated by faculty excellence in the management and development of information technology in areas including electronic commerce, knowledge management, economic assessment, business intelligence, mobile applications, and health care informatics. The culmination of a student's program is a dissertation involving original, rigorous, and relevant research about information technology.

WORLD-CLASS PROGRAM

The joint Doctor of Philosophy in Computer Science and Information Systems (CSIS) degree was created at the University of Colorado Denver to meet student and industry demand for advanced education in the broad area of information technology. A combined effort between the Business School and the Department of Computer Science and Engineering (CSE), the CSIS program blends computer science and information systems knowledge with strong industry interaction. Students benefit from a curriculum that covers major research areas in both CS and IS. Because the CSIS degree is offered jointly through the Business School and the CSE department, your degree program can be tailored to best integrate your interests and career goals.



For more information about the doctorate program, please visit our website at business.ucdenver.edu/phd

For more information about the CSE department please visit engineering.ucdenver.edu/cse

SAMPLE DISSERTATIONS:

The Effects of Website Information Utility on the Outcomes of User-Website Interactions

Dynamic Interaction: A Measurement Development and Empirical Evaluation of Knowledge Systems and Web 2.0 Decision Support

New Strategies for Identifying Peptides Using Mass Spectrometric Fragmentation Data

A Quality of Service-Aware Routing Based on Adaptive-Gossiping Algorithm for Ad Hoc Wireless Networks

Empirical Analysis of Hybrid Open Source Software Model: Determination of Efficiency and Governance

The Role of Social Capital in Determining BPO Outcomes

▲ Doctor of Philosophy

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The PhD course work consists of 27 to 33 credit hours and provides exposure to advanced CSIS areas, a solid research methodology background, and breadth in other areas of CSIS. Students with an MS in Information Systems or Computer Science receive credit for 30 hours of MS coursework.

PROGRAM REQUIREMENTS

- ▲ Masters of Science Degree credit (30 hours)
- ▲ PhD Courses (12 hours)
 - › Broad foundation in CSIS doctoral areas, research methods, and depth of knowledge courses
- ▲ Preliminary Paper/Exam covering knowledge and skills about research areas and methods.
- ▲ Research Methodology Courses (12-15 hours)
 - › Select from graduate courses in computer science, biostatistics, healthcare, math, economics, behavioral sciences, engineering, education, business and computational biology.
- ▲ Comprehensive Exam
 - › Paper and oral presentation specifying a significant research problem
- ▲ Breadth CSIS Courses (3-6 hours)
 - › Provides broad exposure to CSIS practice areas and opportunity to study an alternate part of the CSIS program; IS students take CS graduate courses while CS students take IS courses.
- ▲ PhD Dissertation (30 hours)
 - › PhD Proposal: Detailed investigation of significant research problems with demonstrated potential to complete dissertation
 - › Dissertation Defense: Rigorous, original, and significant contribution to CSIS

“Unlike most accredited PhD programs, the CSIS program at CU Denver allowed me to pursue my studies on a part-time basis while I continued my corporate career. This program broadened my perspective and sharpened my focus to critically investigate and solve any intricate problem in the MIS field. It has opened up a vast network of collaborations with the global MIS research community and I truly feel my future horizons are limitless.”

Dr. Biswadip Ghosh, Assistant Professor of Computer Information Systems

FINANCIAL SUPPORT

While there is no application for financial aid for the CSIS program, tuition scholarships and teaching assistantship appointments are available. Financial aid for the doctoral program is not associated with other Business School or Computer Science programs and is determined by merit of the student.



The Business School at CU Denver has earned accreditation by the Association to Advance Collegiate Schools of Business (AACSB International). This elite distinction is only granted to the top business programs in the United States that meet rigorous standards for curriculum, faculty, library, and computer resources.

To find out more, contact Dr. Michael Mannino, co-director of the CSIS Program, at 303-315-8427 or visit business.ucdenver.edu/phd. If you have questions regarding the application process please contact the Business School Admissions office at 303-315-8211 or bschool.admissions@ucdenver.edu