M.S. Computer Science: Interdisciplinary Experience Requirements

Interdisciplinary Experience track provides a breadth in graduate studies by permitting study in areas that enhance and broaden the student's knowledge and skills. The Computer Science ID track provides the opportunity to incorporate study in other disciplines into a Computer Science master's degree that enhances the degree holder's career prospects.

Note that all students much achieve 30 graduate credits and a minimum 2.0 overall GPA to graduate.

Required CPSC Courses – 18 to 24 credits
18-24 hours of courses in the major.

Interdisciplinary Courses – 6 to 12 credits
The list below is a sampling of several sets of courses, subsets of which can be appropriate for application within an ID MS student's curriculum if approved by the student's advisor.

Business:
ACCT 520 Management Accounting Control Systems
BUSN 572 Managing Enterprise Information Technology
ECON 561 The Global Economy FINA 530: Financial Management

Communication Design:
CODS 552 Design Technology for Educators
CODS 553 Design Principles and Practices for Educators
CODS 586 Graduate Interactive Seminar: Internet and Web Applications

Public Administration/Organizational Management:
POLI 515 Principles of Problems in Public Administration
POLI 516 Administrative and Organizational Theory
POLI 517 Public Personnel Administration and Strategic Human Resource Management
POLI 518 Budgeting and Decision Making
POLI 571 Nonprofit Organizational Management

Library Science:
LLTC 500 Foundations of Information Science
LLTC 525 Computer Networking for Educators
LLTC 530 Makerspaces and Technology Enhanced Programming
LLTC 560 Organization of Information, Metadata and Library Technologies

Depth Component Requirement

Networking/Security	411, 441, 512, 555
Database/Project Management	456, 554, 556
Data Science	458, 459, 523, 558
Artificial Intelligence	445, 447, 548
Application Development	421, 520, 521, 543
Operating Systems	425, 510, 526, 543, 552

Thesis – 0 to 6 credits
CPSC 599 1st Term
CPSC 599 2nd Term

Notes:

1. *A candidate must complete all degree requirements for an MS within six (6) calendar years after his or her acceptance. Requirements for the MS CS – ID Track are 30 credit hours, which includes:*
   - *18-24 hours of courses in the major*
   - *6-12 hours interdisciplinary courses*

   This includes the following additional requirements:
   - *A minimum of 15 credit hours must be at the 500 level; this may include a six-credit thesis*
   - *Successful completion of one of the depth components in the table above*

2. *Students may elect for the thesis option, which requires the completion of 24 credits of courses and 6 credits of thesis. Students who do not complete a thesis must complete the Program of Study Summary (POSS), a written report that provides a narrative, backed by evidence, that the student has fulfilled specific student learning outcomes in the program.*

3. *At least one depth component must be completed in a student's program (see chart above). The selection of courses from the depth component area should be made in consultation with the academic advisor.*

4. *The interdisciplinary component consists of at least two and as many as four courses. The totality of these choices should represent a cogent plan and must be approved, in writing, by the student's academic advisor.*

5. *The application for candidacy MUST be submitted and approved after completion of 12 credit hours. This form represents the student's program of study. Any change must be approved by their advisor. Deviation from this program of study without written advisor approval is at the student's peril.*

Students pursuing unapproved programs of study are not guaranteed to be cleared to graduate.

Program Plan Code: MS_CPSC_IDTR
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