Master of Science in Computer Science Interdisciplinary Experience (ID) Track

Program Code: GLASCSCID   **Version Number: 2218 - Fall2021**   **Effective Date: August 25, 2021**

Student Name: _____   ID: _____

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 below:

CSC Courses: 18-24 hours	CR	Date

Depth Component Requirement: Choose at least two courses (one or more 500-level) from one depth area.

Depth Area	Courses
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

Interdisciplinary Courses*: 6-12 hours	CR	Date

**See notes regarding interdisciplinary courses on the reverse side*

Thesis: 6 Hours	CR	Date
Topic:		
1st Term		
2nd Term		

Advisement Notes

1. Candidates for the Computer Science ID Track degree must complete a total of 30 hours, selected in consultation with their advisor. A candidate must complete all degree requirements for the MS within six (6) calendar years after acceptance into the program. Students may select the thesis option, which requires the completion of 24 credits of courses and 6 credits of thesis. Otherwise the degree requires the completion of 30 credits of courses and passing the comprehensive exam.

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

3. 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.

4. 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.

Interdisciplinary Courses

INTERDISCIPLINARY COURSES PROVIDE 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

Courses may be selected from Kutztown or other PASSHE universities to fulfill the interdisciplinary requirement under the following conditions:

1. The concentration consists of two to four courses, constituting 6-12 credit hours.
2. Courses selected must develop skills in related areas, e.g. management, communication, planning, decision making, design, etc.
3. Courses selected need not all be from a single discipline but must represent a cogent concentration.
4. The interdisciplinary concentration is chosen in consultation with the student's advisor and has their written approval.

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. IT IS NOT INTENDED TO BE CONSTRUED AS COMPREHENSIVE.

Business

ACC 520: Management Accounting Control Systems
BUS 572: Managing Enterprise Information Technology
ECO 561: The Global Economy
FIN 530:Financial Management

Communication Design

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

Public Administration/Organizational Management

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

Library Science

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