DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE

Program of Study

Total: 30 units

Prerequisite

Students must have earned a Master's degree in an Information Technology or allied field with a substantial research component as demonstrated by a presentation of the research output in a refereed national or international CS conference or a publication in a refereed national or international CS journal.

Students must have relevant research experience in the field of Computer Science within the last three (3) years.

Bridging Program

Students with a Master's degree in an Information Technology or allied field **with** a research-based thesis but with no prior conference presentation or journal publication outputs must successfully complete the following remedial academic requirements before admission in the Ph.D. CS program:

- Two (2) CSCI 2XX Master's level electives (6 units)
- Research-based paper published in a national/international refereed CS conference/journal or paper published in a national/international CS journal

Students with a Master's degree in an Information Technology or allied field but **without** a research-based thesis and with no prior conference presentation or journal publication outputs must successfully complete the following remedial academic requirements before admission into the Ph.D. CS program:

- CSCI 292 Methods of Research in Computer Science (3 units)
- Two (2) CS 2XX Master's level electives (6 units)
- Research-based paper published in a national/international refereed CS conference/journal or paper published in a national/international CS journal

CS Specialization Courses: 18 units

Students should take 18 units of courses in one of the areas of specialization below:

- Affective Computing/Computer Science and Education
- Computer Algorithms and Applications
- Computational Sound and Music
- Computer Vision
- Networks Research
- Social Computing
- Blockchain Technologies

All CSCI 3XX Courses are research-based, leading towards the development of the dissertation.

Comprehensive Exams

CSCI 396	Comprehensive Examinations

Dissertation and Oral Defense: 12 units

CSCI 399.1	Dissertation I
CSCI 399.2	Dissertation II

Students must propose, undertake, publish, and successfully defend a dissertation in their area of concentration. Dissertation requirements are as follows:

1. Proposal – submission and successful defense of a research proposal
2. Publication – evidence of acceptance to an indexed journal as a final output to doctoral students
3. Final dissertation report – successful defense and submission of the final dissertation report

International Research Experience
The doctoral candidate is strongly encouraged (not required) to do a sandwich program for a period of three (3) to twelve (12) months at a reputable foreign university or IT research laboratory. If undertaken, it is recommended that the sandwich program take place after successfully defending the dissertation proposal. Prior to departure, the student must submit a detailed project plan to his/her adviser, for approval.

Publication Requirement
Students of the program are required to have evidence of acceptance to an indexed journal or proceedings as a final output to doctoral students.

Tabulated below is the program of study by year and semester for full-time students.

Year 1					
Intersession		**First Semester**		**Second Semester**	
Course Cat	**Units**	**Course Cat**	**Units**	**Course Cat**	**Units**
		CSCI 3XX	3	CSCI 3XX	3
		CSCI 3XX	3	CSCI 3XX	3
Total Units		Total Units	6	Total Units	6

Year 2					
Intersession		**First Semester**		**Second Semester**	
Course Cat	**Units**	**Course Cat**	**Units**	**Course Cat**	**Units**
CSCI 3XX	3	CSCI 396	0	CSCI 399.1	6
CSCI 3XX	3				
Total Units	6	Total Units	0	Total Units	6

Year 3					
Intersession		**First Semester**		**Second Semester**	
Course Cat	**Units**	**Course Cat**	**Units**	**Course Cat**	**Units**
		SANDWICH PROGRAM		CSCI 399.2	6
Total Units		Total Units		Total Units	6