



For <b>CECS ADGER</b> only
Date Reviewed:
Initials:

### Ph.D. in CIS Plan of Study

The form should be completed by the end of your first term and submitted to the department's Ph.D. Program Director.

Student Last Name	Student First Name	UMID
Program Name	Faculty/Research Advisor	Uniqname
Department	First Enrollment Term	Expected Graduation Date
Depth Area Concentration	Research Interest	

**Section 1.** Complete the tentative course plan with your Faculty/Research Advisor. Students with an awarded master's degree, please consult your faculty advisor to choose your remaining requirements. A University of Michigan master's degree requires a minimum of 6 credits and non-University of Michigan degree requires 18 credits to meet residency. Enter an "E" for equivalent along with the grade received and the actual term and year each course was completed. For Direct Ph.D. students, the selected courses must satisfy the requirements of the master's degree in either Computer Information Science, Software Engineering or Data Science.

Course (CIS 600)	Title	Term (W17, F17) Planned/Actual	Grade	Credit Hours
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BREADTH / CORE AREA (9 CREDITS – 3 COURSES with one from 3 of the 4 concentration areas) MINIMUM GRADE "B+"				
	Area:			
	Area:			
	Area:			

DEPTH / CONCENTRATION AREA (12 CREDITS - 4 COURSES same area and one 600 level course) MINIMUM GRADE "A-"				
CIS 791	Advanced Guided Study for Doctoral Students (6 credits max) <i>(meets the direct study requirement and must be completed within first two terms)</i>			
List Concentration Area:				
		One 600 level course		

ADVANCED MATHEMATICS AREA (6 CREDITS select from approved list) *2 <sup>ND</sup> course can double count as Cognate course				
CIS 505	Algorithm Design and Analysis <i>(must be completed within first two terms)</i>			3

COGNATE AREA (4 CREDITS select from approved list) MINIMUM GRADE "B" *can use course from Master's degree				

SEMINAR REQUIREMENTS (0 CREDITS)				
CIS 798	PhD Research Seminar (required enrollment every semester enrolled)		S/U	0
ENGR 700	PhD Research Methodology (completed in first year and taken both fall and winter)		S/U	0

ELECTIVES (0-6 CREDITS)					

**Section 2.** Dissertation Research Requirement

DISSERTATION COURSEWORK (24 CREDITS)		Fall	Winter	Summer	Total Credits
CIS 980/990	Dissertation Research				
CIS 990	Dissertation Research				
CIS 990	Dissertation Research				
CIS 990	Dissertation Research				
CIS 990	Dissertation Research				

**Section 3.** Fill in the following with expected completion dates. Timeline varies based on FT, PT and previous degree.

MILESTONES	Term	Status	QUALIFYING EXAM COURSES
MASTER'S DEGREE (DIRECT PHD OPTION ONLY)			
QUALIFYING EXAMS			
RESPONSIBLE CONDUCT OF RESEARCH REQ.			
DISSERTATION PROPOSAL			
APPLY FOR CANDIDACY			
JOURNAL/CONFERENCE PUBLICATION SUBMISSION			
DISSERTATION DEFENSE			
RESIDENCY (18 CREDITS) (IF APPLICABLE)			
			RESEARCH AREA COURSE

The program requires a minimum 3.5 out 4.0 cumulative GPA.

Student (signature)	Date
Faculty Advisor (signature)	Date
Ph.D. Program Director (signature)	Date

We reviewed the Study Plan and assessed the student's progress towards the degree. Please include attachments if needed.

Plan Update	Plan Update Comments	Student Initials	Advisor Initials	Director Initials
Year 1 / Date:				
Year 2 / Date:				
Year 3 / Date:				
Year 4 / Date:				
Year 5 / Date:				

Original to: PhD Program Director  
Copies to: Student, Advisor and CECS Graduate Education Office