

# Computer Science Department Graduate Advising Form

## PhD Program

**Advising Hold/Course Enrollment:** Fill out form and schedule a meeting with your advisor (must have your unofficial transcript during the meeting). Once signed, return form to the Graduate Program Secretary (S-3-132) to have your **advising hold removed and be enrolled** for your chosen courses (**pre-requisites must be met or permission from instructor is needed**). Include an active email for contact regarding any additional holds or registration questions.

<b>Student(Please Print):</b> _____		<b>Advisor's Name:</b> _____	
Last Name: _____	First Name: _____		
Students ID Number: _____	Which Semester: <input type="checkbox"/> Spring <input type="checkbox"/> Summer <input type="checkbox"/> Fall    Year: _____		
Email Address: _____		Were you in the Navitas Program? <input type="checkbox"/> No <input type="checkbox"/> Yes	

**CS-MS Program Graduation Requirement:**

- Complete a minimum of 48 credits. First 30 credits are subject to the requirements of the CS-MS program.
- Two extra theoretical elective (CS720 and CS724) must be taken.
- CS-MS Program: 30 credits, at least 24 credits of which must be 600-level courses (2 theoretical electives, 5 applied electives, and capstone courses). No more than two upper-level (400-level) undergraduate courses may be counted towards the program.
- After 30 credits, each candidate takes the (Qualifying Exam). Exam covers theoretical CS and two of the following areas (Artificial Intelligence 'AI', Databases, Programming Languages, Networks, and Systems).
- Minimum of 15 credits for dissertation research.
- A GPA of 3.5 must be maintained. Minimum grade for graduate credit is C. No more than 2 grades below B- may count for credit.
- Non-degree courses will not transfer if they are below a B grade.
- Student must complete pre-requisite requirement before being enrolled in the first two capstone courses (CS680 and CS682).

<p><b>Theoretical Electives List:</b> (Must complete CS720, 724 and 2 course requirement)</p> <input type="checkbox"/> CS420 Intro to Theory of Computation <input type="checkbox"/> CS620 Theory of Computation <input type="checkbox"/> CS622 Theory of Formal Languages <input type="checkbox"/> CS624 Analysis of Algorithms <input type="checkbox"/> CS720 Logical Foundations in CS <input type="checkbox"/> CS724 Algorithm Theory and Design <input type="checkbox"/> MA470 Mathematical Logic <input type="checkbox"/> Others: _____	<p><b>Applied Electives List:</b> (5 course requirement)</p> <input type="checkbox"/> CS410 Intro to Software Engineering <input type="checkbox"/> CS639 Semi-Structured Data XML Docs on Web <input type="checkbox"/> CS444 Operating Systems <input type="checkbox"/> CS646 Computer Communication Network <input type="checkbox"/> CS445 Real-Time Systems <input type="checkbox"/> CS649 Concurrent and Distributed Systems <input type="checkbox"/> CS446 Introduction to Internetworking <input type="checkbox"/> CS651 Compilers <input type="checkbox"/> CS449 Intro to Computer Security <input type="checkbox"/> CS670 Artificial Intelligence <input type="checkbox"/> CS450 Structure of Higher Level Lang <input type="checkbox"/> CS671 Machine Learning <input type="checkbox"/> CS460 Graphics <input type="checkbox"/> CS672 Neural Networks <input type="checkbox"/> CS612 Algorithms in Bioinformatics <input type="checkbox"/> CS674 Natural Lang Processing <input type="checkbox"/> CS615 User Interface Design <input type="checkbox"/> CS675 Computer Vision <input type="checkbox"/> CS630 Database Management <input type="checkbox"/> CS697 Special Topics <input type="checkbox"/> CS634 Architecture Databases <input type="checkbox"/> CS734 Database System Internals <input type="checkbox"/> CS636 Database Application Develop <input type="checkbox"/> CS738 Data Mining <input type="checkbox"/> CS637 Database-Backed Web <input type="checkbox"/> CS739 Spatial Data Mining <input type="checkbox"/> CS638 Applied Machine Learning <input type="checkbox"/> CS752 Parallel Programming <input type="checkbox"/> Others: _____ <input type="checkbox"/> Others: _____
<p><b>Capstone Requirement:</b> (Complete all courses)</p> <input type="checkbox"/> CS680 Object-Orient Design and Program <input type="checkbox"/> CS681 Object-Orient Development I <input type="checkbox"/> CS682 Software Design Progr Lab I	<p><b>PhD Thesis/Independent Study: (See Back)</b></p> <input type="checkbox"/> CS696 Independent Study <input type="checkbox"/> CS899 Research for PhD Thesis
<p>GPA (Maintain a 3.0) _____ Credits (30 credit requirement): _____</p>	

<p><b>ADVISORS</b></p> <p><b>SIGNATURE:</b> _____ <b>DATE:</b> _____</p>	<p><b>NOTE:</b></p>
<p><b>STAFF USE:</b> Hold <input type="checkbox"/> GG    <input type="checkbox"/> Others: _____</p> <p>Lifted <input type="checkbox"/> AC    <b>DATE:</b> _____</p>	<p>Rgstrd. <input type="checkbox"/> GG    <b>DATE:</b> _____</p> <p>by <input type="checkbox"/> AC</p>

# Graduate Course Registration Form: CS 696 and CS899

To register for CS696, fill out the form below and have the Graduate Program Director sign below.  
Then bring this form to the Graduate Program Secretary, Gemma Galecia (S-3-132) and she will enroll you into the course.

## Students Registering for CS 696 Independent Study (please print):

Approval signature from the GPD required for enrollment

Supervisor: \_\_\_\_\_ Current GPA: \_\_\_\_\_  
 Select the semester and fill in the year you will be taking the course: \_\_\_\_\_ How many credits?  
 Semester:     Spring     Summer     Fall    Year: \_\_\_\_\_     1     2     3  
 Topic for the course:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Brief description of required activity:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## Students Registering for CS 899 Research for PhD Thesis (Must have passed the Qualifying Exam):

Approval signature from the course supervisor and GPD required for enrollment.

Supervisor: \_\_\_\_\_  
 Have you passed the Qualifying Exam?  
                    Yes     No  
 Select the semester and fill in the year you have passed the Qualifying Exam:  
 Semester:     Spring     Summer     Fall    Year:    20\_\_\_\_

Select the semester and fill in the year you would like to take CS899: \_\_\_\_\_ How many Credits? (1-9)  
 Semester:     Spring     Summer     Fall    Year:    20\_\_\_\_    \_\_\_\_\_

### Graduate Program Director Approval:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

#### PRE-REQUISITE AND CO-REQUISITE INFORMATION

Course	Pre-Requisites	Course	Pre-Requisites
CS410	CS 310 and 320L and any 400-level CS course	CS649	None
CS420	CS 320L	CS651	CS 310 and CS 420 or CS 622
CS444	CS 341 and 310	CS670	CS 310, CS 320L and MATH 470
CS445	CS 341 and 310	CS671	Instructors permission
CS446	CS 341 and 310 and Co-req. CS 444	CS672	Instructors permission
CS449	CS 310 and CS 341	CS674	CS 420 or instructors permission
CS450	CS 310 and 320L	CS675	CS 310 and CS 320L or instructors permission
CS460	CS 310 and Math 260	CS680	CS 310 or instructors permission
CS612	CS 210 AND MATH 260	CS681	CS 680 (grade B or better) and one of CS636, CS637, or CS651
CS615	CS 310 and CS 320L or instructors permission	CS682	Co-req. CS 681
CS620	CS 320L	CS697	None
CS622	CS 320L and CS 450 or instructors permission	CS698	None
CS624	CSL 320 or instructors permission	CS696	None
CS630	CS 210L or instructors permission	CS699	Advisor, Jun Suzuki, and GPD permission and signature required
CS634	CS 430 or 630	CS899	Advisor and Graduate Program Directors permission and signature
CS636	CS 615 and CS 630	CS720	MATH 470 or equivalent and permission of instructor
CS637	CS 430 or 630 and CS 451 or 651	CS724	CS 624 or equivalent and Permission of
CS639	CS 636 or CS 637 or CS 451/CS651 and instructors permission	CS734	CS 634 or instructors permission
CS641	None	CS738	CS 630
CS644	CS 641 or instructors permission	CS739	Instructors permission
CS646	CS 641	CS752	CS 651
CS647	CS 446 or CS 646	MA470	MATH/CS 320L or MATH 360
CS648	CS 446 or CS 646		

**Internship/CPT Pre-req:** Must have at least a 3.0 GPA and taken at least three courses that count for the graduate credit and be enrolled for a max of two semesters.  
**How to enroll:** Student will need to get the CPT form at the ISSO Office (Campus Center, 2<sup>nd</sup> Floor, and Room 2100). The form will need to be filled out and signed by student, supervisor, CPT Advisor, and GPD, Dan Simovici. Bring the form to the Graduate Program Secretary, Gemma Galecia for enrollment.  
**CPT Advisors:** Can be any CS faculty members that has agreed to be your CPT advisor.