COMPUTER SCIENCE, PHD

for the degree of Doctor of Philosophy in Computer Science

department head: Nancy Amato (namato@illinois.edu)
director of graduate studies: Robin Kravets (rhk@illinois.edu)
overview of admissions & requirements: https://cs.illinois.edu/admissions/graduate/applications-process-requirements
overview of grad college admissions & requirements: https://grad.illinois.edu/admissions/apply
department website: https://cs.illinois.edu/(https://cs.illinois.edu/)
program website: https://cs.illinois.edu/academics/graduate/phd-program
department faculty: https://cs.illinois.edu/people/faculty/
college website: https://grainger.illinois.edu/
contact: Viveka P Kudaligama (kudaliga@illinois.edu)
address: 1210 Siebel Center, 201 N Goodwin, Urbana, IL 61801
phone: (217) 333-4428
email: academic@cs.illinois.edu

The Department of Computer Science is one of the longest established computer science departments in the world and is consistently ranked as a top-5 graduate program.

Opportunity exists for specializing in computational science and engineering via the Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/) optional graduate concentration.

Admission Requirements
Applicants must hold a bachelor’s degree equivalent to that granted by the University of Illinois at Urbana-Champaign. The recommended background for students entering a Computer Science graduate degree program is a bachelor’s or a master’s degree (only if applying to the PhD program) in computer science or computer engineering. The Graduate Record Examination (GRE) (http://www.ets.org/) general aptitude tests (Verbal, Quantitative, and Analytical) are no longer required. However, in some cases, GRE general scores may provide helpful supporting information.

Applicants to the computer science PhD program must have a minimum grade point average (GPA) of 3.40 (A = 4.00) in their undergraduate studies (international GPAs are systematically converted) to be considered. The department reserves the right to admit applicants with lower GPAs under rare and exceptional circumstances. If an applicant also holds a graduate degree, the minimum GPA for that degree must be 3.00. Full details of the programs offered by Computer Science, admissibility, application procedures, and deadlines can be found at the department’s Prospective Graduate Student Information Web site (http://cs.illinois.edu/admissions/graduate/).

All applicants whose native language is not English are required to submit TOEFL (http://www.toefl.org/) or International English Language Testing System (IELTS) (http://www.ielts.org/) scores as evidence of English proficiency. Minimum admission requirements (https://
Computer Science, MCS (http://catalog.illinois.edu/graduate/engineering/computer-science-mcs/)

optional concentrations:
Computational Science and Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/)

Computer Science, MS (http://catalog.illinois.edu/graduate/engineering/computer-science-ms/)

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Computational Science and Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/)
Bioinformatics: Computer Science, MS (http://catalog.illinois.edu/graduate/engineering/concentration/computer-science/bioinformatics/)

joint programs:
Computer Science, MCS & Architecture, MArch (http://catalog.illinois.edu/graduate/engineering_faa/joint-degree/computer-science-mcs-architecture-march/)
Computer Science, MCS & Law, JD (http://catalog.illinois.edu/graduate/engineering_law/joint-degree/computer-science-mcs-law-jd/)

The Department of Computer Science offers other graduate programs leading to the degrees of Master of Science in Computer Science and Master of Computer Science (MCS), as well as a Computer Science concentration under the interdisciplinary Master of Science in Bioinformatics. The MCS program is also available online for students who are working full-time and unable to come to campus.

for the degree of Doctor of Philosophy in Computer Science

Information listed in this catalog is current as of 12/2021

Doctor of Philosophy in Computer Science

Entering with approved M.S. degree

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<tr>
<th>Code</th>
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<th>Hours</th>
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<td>CS 599</td>
<td>Thesis Research (minimum applied toward degree)</td>
<td>32</td>
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500-level course work (12 hours must be CS courses) 24
400- or 500-level course work 24

Additional graduate-level course work or thesis research credit (subject to Other Requirements and Conditions below) 16

Total Hours 96

Other Requirements and Conditions

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A teaching assistantship for an entire term, with a satisfactory performance evaluation by the department, is required by the end of the 5th year.

Ph.D. exam and dissertation requirements:
International Students must show demonstration of English proficiency (equivalent to that necessary to be a TA-see Financial Aid) before taking the Qualifying Exam.
Qualifying exam
Preliminary exam
Final exam or dissertation defense
Dissertation deposit
Minimum GPA: 3.0

Entering with B.S. degree

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Qualifying exam
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Dissertation deposit 4

Minimum GPA: 3.0

1. Qualifying Exam information (http://cs.illinois.edu/academics/graduate/phd-program/qualifying-exam/)
2. Preliminary Exam information (http://cs.illinois.edu/academics/graduate/phd-program/preliminary-exam/)
3. Final exam or dissertation defense information (http://cs.illinois.edu/academics/graduate/phd-program/final-exam-thesis-defense/)
4. Dissertation deposit information (http://cs.illinois.edu/academics/graduate/phd-program/phd-thesis-format-review-guidelines/)

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