

# COMPUTER SCIENCE + EDUCATION, BS

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for the degree of Bachelor of Science Major in Computer Science + Education

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## Curriculum & Instruction Department Office

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Curriculum & Instruction website (<https://education.illinois.edu/ci/>)

Curriculum & Instruction Faculty (<https://education.illinois.edu/faculty-finder/ci/>)

College of Education Admissions & Requirements (<https://education.illinois.edu/programs/undergrad/programs-degrees/ci-ele-ug/>)

College of Education website (<https://education.illinois.edu/>)

Computer Science Curriculum Information (<https://cs.illinois.edu/>)

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Students pursuing this major select one of two concentrations:

Learning Sciences (<http://catalog.illinois.edu/undergraduate/education/computer-science-education-bs/learning-sciences/>)

Secondary Education (<http://catalog.illinois.edu/undergraduate/education/computer-science-education-bs/secondary-education/>)

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The Computer Science + Education, BS is sponsored jointly by the Department of Computer Science and the Department of Curriculum & Instruction. The major in Computer Science and Education is a flexible program for undergraduate students who plan to pursue careers in either field and offers two foci of concentration.

The Learning Sciences concentration focuses on how technology can be designed and developed to further education. Social media, virtual and augmented reality, data analytics, mobile and wearable devices have created an opportunity to transform teaching and learning in both formal and informal contexts. This degree will prepare students for advanced study at the graduate level, as well as immediate entry into the workforce at software companies, publishers, school districts, game design companies, and research non-profits.

The Secondary Education concentration provides the coursework and field experience for students to be licensed to teach computer science in grade 9-12. The degree will prepare students to join the workforce as a teacher in high school institutions in the state of Illinois, providing them with the knowledge necessary to teach and develop computer science curricula.

To graduate from the Computer Science and Education curriculum, a student must complete all courses with a traditional letter grade.

In order to be recommended for licensure, candidates are required to maintain University of Illinois at Urbana-Champaign, cumulative, content area, and professional education grade point averages of 2.5 (A=4.0). Candidates in teaching licensure programs must maintain a C or better in ALL content and professional education coursework. Candidates should consult their adviser or the Council on Teacher Education for the list of courses used to compute these grade point averages. For teacher education licensure requirements applicable to all curricula, see the Council on Teacher Education.

Licensure requirements are subject to change without notice as a result of new mandates from the Illinois State Board of Education or the Illinois General Assembly.