University at Buffalo
Office of Educator Preparation
Graduate School of Education

University at Buffalo
Department of Learning and Instruction
Graduate School of Education

Computer Science Education
Initial Certification

This program is for those who:

- *do not hold a NYS teaching certificate.*
- *are seeking a certificate of advanced study and a recommendation for New York State initial certification in Computer Science (all grades).*
- *Note: Students can complete the Initial/Professional certification program in Computer Science (and earn a Master's degree) in the same amount of time as the Initial certification program. This would be a better value for most students.*

The Initial certification program in Computer Science is a residency-based program which uses a cohort model. Students are expected to enroll in coursework according to the schedule be

Subject Code & Number	Course Title	CH	SEM	GRADE
Year 1, Fall semester (9 CH)				
LAI 562	English Language Learners: Theory and Practices	3		
LAI 676	The Pedagogy of Programming	3		
LAI 698	Instructional Strategies in Inclusive Classrooms	3		
Year 1, Spring semester (9 CH)				
LAI 574	Teaching the Exceptional Learner	3		
LAI 611	Methods in Teaching Computer Science, Grades 1–12	3		
LAI 677	Survey of Topics in K–12 Computer Science	3		
Year 2, Fall semester (9 CH)				
LAI 605	Critical Computational Literacies	3		
LAI 667	Field Experience	3		
LAI 668	Supervised Teaching I	3		
Year 2, Spring semester (9 CH)				
LAI 595	Supervised Teaching II	3		
LAI 674	Seminar in Teaching	3		
LAI 700	CS Education Capstone	3		

Total Credit Hours: 36			

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Advisement notes:

- To progress to student teaching, students must successfully complete all previous grad work with a B- or better *at minimum.*

Applying for Teacher Certification

Students who successfully complete this program are eligible to receive initial certification through the New York State Department of Education (NYSED) Approved Teacher Preparation Program pathway. For more information about the certification process, please contact the Office of Educator Preparation at 716-645-2461, http://ed.buffalo.edu/edprep

For additional program information, visit:
http://ed.buffalo.edu/teaching/academics/teacher-ed/computer-science.html