

# Computer Science Certificate

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## Computer Science Certificate

A student with a major in the Department of Computer Science cannot also receive a Certificate in Computer Science.

### Required

Computer Science:		
CS 1520	Data Structures	4
one course from the following:		3-4
CS 1120	Media Computation	
CS 1130	Visual BASIC Programming	
CS 1160	C/C++ Programming	
CS ED 1310	Programming Environments for Elementary Education	
CS ED 1320	Fundamentals of Programming	
CS 1510	Introduction to Computing	
Two courses, from ONE of the following groups:		6
Group 1:		
CS 1800	Discrete Structures	
CS 2530	Intermediate Computing	
or Group 2:		
CS 1410	Computer Organization	
CS 2420	Computer Architecture and Parallel Programming	
<b>Total Hours</b>		<b>13-14</b>

## Related Programs

- Computer Science B.A. or B.S.
- Mathematics B.A.