

UMSL

UMSL is a NSA/DHS National Center of Excellence in Cyber Defense Education



Certificate in Computer Programming Education

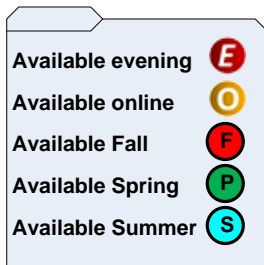
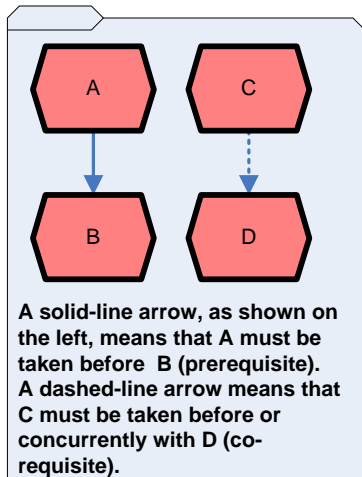
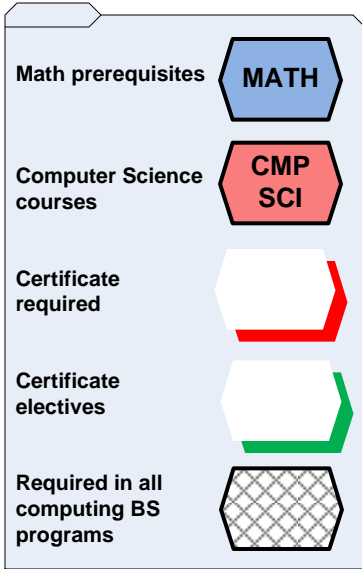
The undergraduate Certificate in Computer Programming Education is a six-course (18 credit hours) program. It is designed to anyone with some Math background, but to Middle School, High School, and even college teachers in particular, to transition into computer programming education.

A minimum GPA of 2.5 is required for admission. A minimum of four courses must be taken from UMSL.

Courses may be substituted with the permission of the certificate coordinator.

For more information, can contact the department chair or email info@arch.umsl.edu.

O **E** : Certificate can be completed online, or evening



Students with an introductory programming background can transfer, or waive some of the early required courses and take more electives instead.

1250 and 2250 can be taken in one semester as a combo course (one after another in half semesters).

Students in this certificate are advised to take the ED TECH course before or with Cmp Sci 1250.

