COMPUTER SCIENCE, CERTIFICATE

The Certificate in Computer Science is designed to provide a strong foundation to prepare students for a career within the industry. Recent college graduates and individuals looking to change careers will obtain valuable skills that they can add to their resume making them more marketable to employers. Additionally, students with older degrees can update their skillset to make themselves more marketable as well.

All certificate courses can be applied toward Roosevelt's Master of Science degree in Computer Science for students who subsequently decide to pursue the degree.

Program objectives

The certificate provides students with training that focuses on skills necessary for a career in Computer Science. Students will be able to demonstrate their understanding of the foundations of computing, the role that computer science plays in solving problems in real life, and demonstrate problem solving skills by effectively applying computer science solutions to real-world problems. Finally, students must be able to communicate Computer Science ideas clearly and effectively.

Admission

To gain admission into the certificate program, participants must be admitted to the university through the regular admission process for the MS in Computer Science program.

Students are required to take four sixteen-week courses, therefore the program can be completed in two semesters, taking two courses at a time.

Courses must be completed with a minimum grade of C and a cumulative GPA of 3.0. Residency Requirement: At least 9 hours must be taken at Roosevelt University.

Code	Title	Credit Hours
Required Courses		**9**
CST 405	ALGORITHM DESIGN	
CST 408	ADVANCED ALGORITHMS	
CST 411	INTELLIGENCE SYSTEMS	
Elective (Select One)		**3**
CST 466	CRYPTOGRAPHY	
CST 471	DISTRIBUTED DATABASES	
Total Credit Hours		**12**