

# COMPUTER PROGRAMMING CERTIFICATE: 108

Total Credits: 18-20  
Catalog Editions 12-13 through 19-20

Name:

Date:

ID #:

CERTIFICATE REQUIREMENTS	Course	Hours	Grade
		3	
	CS 140/ <b>CMSC 140</b>	3	
<b>INTERMEDIATE LANGUAGES ‡</b>		3	
<b>INTERMEDIATE LANGUAGES ‡‡</b>			
<b>ADVANCED LANGUAGES ‡‡‡</b>			
CS/ <b>CMSC ELECTIVE</b> or Department-approved CA/ <b>CMA</b> P or <b>TECH ELECTIVE</b>			

**Overall GPA of 2.0 is required to graduate**

Total Credits:

**‡** May be replaced by another CMSC course with departmental consent.

**‡‡** Select two courses from CS 213/**CMSC 201**, CS103/**CMSC 203**, CS215/**CMSC 222**, CS 226/**CMSC 226**, or other department approved language.

[Computer Programming Website](#)

Last Modified: May 2019

Advising Worksheet Contact: [Anthony Solano](#)

**‡‡‡** The advanced language must correspond to one of the intermediate languages chosen.

*This certificate curriculum emphasizes software development and computer programming skills. The curriculum provides flexibility in the student's choice of programming languages. Students should consult an adviser before beginning the curriculum.*

See an [advisor](#) to submit an [Application for Graduation](#) the semester **BEFORE** you intend to graduate.

**This UNOFFICIAL document is for planning purposes ONLY and completion does not guarantee graduation.**

*This degree is a career program and may not readily transfer to four year colleges/universities (except in special cases.) Visit [transfer planning](#) for more information.*