

# DATA SYSTEMS AND DEVELOPMENT (CONT'D)

## GENERAL PROGRAMMING CERTIFICATE

Program Code: .GP .CE

### Certificate

General Information: 13 14

Builds foundational programming skills; completion of certificate can be applied to the A.A.S. in Data Systems and Development.

### Suggested Sequence

FALL	SPRING	FALL	SPRING
1. CIS 122	2. CSC 123	3. CSC 125	4. CSC 220
	CSC 140	CSC 240	

### Required Program Courses (13–14 hours) Cr. Hrs.

CIS 122	Introduction to Computer Programming	4
CSC 123	Computer Science I (C/C++)	4
CSC 140	Computer Science I (Java)	3
CSC 125	Computer Science II (C++)	3
CSC 240	Computer Science II (Java)	3
CSC 220	Data Structures	3
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