

# DATA SYSTEMS AND DEVELOPMENT (CONT'D)

## GENERAL PROGRAMMING CERTIFICATE

Program Code: T.GPR.CER

### Certificate

Graduation requirement — 13–14 semester hours

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
1st Semester	2nd Semester	3rd Semester	4th Semester
CIS 122	CSC 123 or CSC 140	CSC 125 or CSC 240	CSC 220

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

CIS 122	Introduction to Computer Programming . . . . .	4
CSC 123	Computer Science I (C/C++) . . . . .	4
or CSC 140	Computer Science I (Java) . . . . .	3
CSC 125	Computer Science II (C++) . . . . .	3
or CSC 240	Computer Science II (Java) . . . . .	3
CSC 220	Data Structures . . . . .	3
<i>Total Semester Credit Hours</i>		<u>13–14</u>