

COMPUTER INFORMATION SYSTEMS PROGRAMMING, CERTIFICATE

Certificate in Programming (244203C)

This certificate may be earned independent of earning a degree.

Program Contacts

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The following information has official approval of **The Department of Computer Science** and **The College of Engineering and Polymer Science**, but is intended only as a guide. Completion of this certificate is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.

The following courses constitute a "Certificate in Programming" and must be completed with a minimum grade point average of 2.0 overall for the certificate to be noted on the student's record.

Summary

Code	Title	Hours
Required Courses		15
Total Hours		15

Required Courses ¹

Code	Title	Hours
2440:121	Introduction of Logic/Programming	3
2440:160	JAVA Programming ³	3
2440:170	Visual BASIC ³	3
2440:180	Introduction to Database Management ³	3
2440:256	C++ Programming ²	3
Total Hours		15

¹ Students must achieve a grade of C or better in their technical courses (2440).

² Traditionally Fall Only (See Program Contact).

³ Traditionally Spring Only (See Program Contact).

Note:

- Students entering the Computer Information Systems certificate programs (Programming and Cisco Networking Technology) must pass department placement exams or complete the following bridge course prior to enrolling in the program.
- Bridge Course: 2440:105 Introduction to Computers and Application Software