CERTIFICATE OF ACHIEVEMENT IN COMPUTER PROGRAMMING & INFORMATION SYSTEMS

This certificate prepares students for entry-level employment in the field of Computer Programming & Information Systems. Students completing this certificate will acquire skills in computer programming, web development, scripting, computer technical support, database development/maintenance. This certificate can be completed 100% online.

Program Outcomes

- Be able to design and code basic software for business use.
- Be able to code programs in high-level programming languages such as Visual Basic and Java.
- Be able to create and modify databases.
- Be able to code interactive webpages.

Career Opportunities

Upon successful completion of this certificate, students will be prepared for employment in the following fields: computer programming, web design, computer technical support, database development/maintenance, and various office positions involving computers.

Code	Title	Units
REQUIRED CERTIFICATE COURSES		26
COMP 005	Computer Concepts	4
or COMP 130	Introduction to Personal Computers	
COMP 006	Programming Fundamentals	3
COMP 008	Programming Concepts (JAVA)	4
COMP 009	Advanced Application Software	3
COMP 200	Ethics in Computer Programming	3
COMP 229	Web Page Design and Development	3
COMP 230	Java Script/XML	3
COMP 250	Software Fabrication	3
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RESTRICTED ELECTIVES		3-4
Select three units from the following courses:		
BUS 271	College Keyboarding Level 2	3
COMP 233	Database Processing	3
ICT 201	PC Repair and Maintenance	4
ICT 210	Introduction to Microsoft Windows Server	4
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TOTAL		29-30

The Certificate of Achievement requirements include completion of the certificate courses with a "C" or better grade in each course. Required and support courses may be substituted with the approval of the Business Division Chair.