COMPUTER PROGRAMMING, CERTIFICATE OF PROFICIENCY

This program will provide students with the fundamentals of programming concepts, which could lead to an industry certification in the C++ programming language.

Curriculum

The certificate of proficiency in Computer Programming requires the following 13 semester credit hours:

Code	Title	Hours
COMS 1013 & COMS 1011	Programming Foundations I and Programming Foundations I Lab	4
COMS 2203	Programming Foundations II	3
COMS 2213	Data Structures	3
MATH 2703	Discrete Mathematics	3
Total Hours		**13**

Curriculum

The curriculum below is a sample plan for all coursework required for this program.

Course	Title	Hours
First Year		
Fall		
COMS 1013 & COMS 1011	Programming Foundations I and Programming Foundations I Lab	4
	Hours	**4**
Spring		
COMS 2203	Programming Foundations II	3
MATH 2703	Discrete Mathematics	3
	Hours	**6**
Second Year		
Summer		
COMS 2213	Data Structures	3
	Hours	**3**
	Total Hours	**13**