

Miami Dade College  
Office Associate Provost, Academic Affairs

February 14, 2011

**MEMORANDUM**

**TO:** Rolando Montoya

**FROM:** Michael Reiner 

**SUBJECT:** **APPROVAL OF CURRICULUM REPORT #78**

Attached for your approval is the approved curriculum presented at the February 8, 2011, CASSC meeting.

The information in Curriculum Report #78 includes the following items:

1. **School of Computer & Engineering Technologies**

• **Revised Pre-Req Hard Coding**

**(via CurricUNET Demonstration)**

COP1332 Introduction to Visual Basic Programming

COP1334 Introduction to Object Oriented Programming C++

COP2335 Advanced Object Oriented Programming Using C++

If I can be of further assistance, please do not hesitate to contact me.

Attachment

**Miami Dade College**  
**College-wide CASSC Meeting – FEBRUARY 8, 2011**  
**CURRICULUM REPORT #78**

**1. School of Computer Information Systems & Engineering Technologies**

**Revised Pre-Req Hard Coding**  
**(via CurricUNET Demonstration)**

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
COP1323	Introduction to Visual Basic Programming	4	1,2,3,5,6,7,8	2010-3

**Course Description:** This course introduces computer science and non-major students to fundamental programming skills using the Visual Basic Integrated Development environment. Students will learn program design, the fundamentals of event driven object-oriented programming, arrays, validation of user input, and how to create menu driven programs and multiple form applications. This course may be taken by those not majoring in Computer Information Systems. Knowledge of high school algebra is recommended. Pre/Corequisite: CGS1060. Laboratory fee. (3 hr. lecture; 2 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
COP1334	Introduction to Object Oriented Programming C++	4	1,2,3,5,6,7,8	2010-3

**Course Description:** This is an introductory course in C++ programming recommended for Computer Science and Computer Information Systems majors. Students will learn the syntax and rules of the C++ language, including how to code, compile, and execute programs. Students study program design, structured modular programming arrays, report generation, and file processing. Pre/co-requisite: CGS1060. Laboratory fee. (3 hr. lecture; 2 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
COP2335	Advanced Object Oriented Programming Using C++	4	1,2,3,5,6,7,8	2010-3

**Course Description:** This course presents advanced topics and applications of programming logic, C++ syntax, and the object-oriented approach to problem solving. Students will learn how to design, code, compile, debug, and execute Windows-based applications programs using the Windows API and Microsoft Foundation Classes (MFC). Students will also learn how to apply overloading operators, inheritance, advanced sorting techniques, advanced data manipulation, and data structures. Students explore the design and use of the Open Database Connectivity (ODBC) specification. Prerequisite: COP 1334. Knowledge of high school algebra is recommended. Laboratory fee. (3 hr. lecture; 4 hr. lab)

APPROVE  OPPOSE \_\_\_\_\_ MORE INFORMATION \_\_\_\_\_