

**Visual Basic Programming Certificate  
C25130B**

This Visual Basic Programming certificate offers programming skills necessary to design and implement Visual BASIC programs. The student will learn how to design Visual BASIC programs using event-driven programming techniques, implement current interface design standards, create reusable code, and manipulate records in both a file-based system and a database system. Emphasis is placed on proper program design techniques.

All courses in this certificate program may be applied toward completion of the Associate of Applied Science degree in Computer Programming.

| <b>Prefix &amp;<br/>Number</b> | <b>Description</b>                                 | <b>Class</b> | <b>Lab</b> | <b>Clinical/<br/>Shop</b> | <b>Credit</b> |
|--------------------------------|----------------------------------------------------|--------------|------------|---------------------------|---------------|
| CIS 111                        | Basic PC Literacy*                                 | 1            | 2          | 0                         | 2             |
| CIS 115                        | Intro to Prog & Logic                              | 2            | 3          | 0                         | 3             |
| CSC 139                        | Visual BASIC Prog                                  | 3            | 0          | 3                         |               |
| CSC 151                        | JAVA Programming                                   | 2            | 3          | 0                         | 3             |
| CSC 239                        | Adv VISUAL Basic Prog                              | 2            | 3          | 0                         | 3             |
|                                | <b>Totals:</b>                                     | <b>9</b>     | <b>14</b>  | <b>0</b>                  | <b>14</b>     |
|                                | <b>Total Credit Hours Required for Certificate</b> |              |            |                           | <b>14</b>     |

\* CIS 110 Introduction to Computers may be substituted.