**Management Information Systems (MIS)**

**Business Division**

This certificate program will prepare students for applications and system programming positions within a business environment. Courses are designed to offer students immediate positions in industry, and will also provide a solid foundation for continuation in our two year associate’s degree in Computer Information Systems Technology.

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| **Course No.** | **Title** | **Credits** |
| Two Required Courses (6 credits) | | |
| CSC\*H205 | Visual Basic I |  |
|  | or |  |
| CSC\*H113 | Programming I | 3 |
| CSC\*H231 | Database Design I | 3 |
| Four Elective Courses (12 credits) selected from this list | | |
| CSC\*H101 | Introduction to Computers | 3 |
| CSC\*H183 | Information Systems in Organizations | 3 |
| CSC\*H205 | Visual Basic I |  |
|  | or |  |
| CSC\*H113 | Programming I (if both are taken, one can be used to meet the 4 elective requirement) |  |
| CSC\*H206 | Visual Basic II | 3 |
| CSC\*H211 | VB & ASP .NET Web Programming | 3 |
| CSC\*H227 | Web Programming with Java | 3 |
| CSC\*H228 | Mobile Device Programming | 3 |
| CSC\*H229 | Programming II | 3 |
| CSC\*H250 | Systems Analysis and Design | 3 |
| CSC\*H252 | Information Systems Project Management | 3 |
| CSC\*H237 | Database Programming with VB .NET | 3 |
| CST\*H130 | Networking Essentials I | 3 |
|  |  |  |
|  | Total Credit Hours | 18 |

Program Outcomes

Upon successful completion of all program requirements, graduates will be able to:

1. Acquire a familiarization with terminology and structure of various programming languages.
2. Demonstrate the ability to use software tools for program development.
3. Write, compile and run effective business applications.
4. Troubleshoot common programming problems and test solutions.
5. Demonstrate a basic understanding of relational database concepts.