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## CS 115 - Introduction to Programming

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### 5.0 Credits

An introductory course in programming using VB.NET. No previous programming experience is expected. Topics include designing, creating and debugging interactive, event-driven programs with a graphical user interface and developing problem-solving skills (was CMPSC 115). Prerequisite: [MATH 090](#), [MATH 095](#), or [CIS 114](#) with a grade of 2.0 or higher, placement above [MATH 095](#), or instructor permission.

### Course Objectives

Upon successful completion of the course, students will be able to:

1. Use correct syntax and structure of the Visual Basic language. [REASON]
2. Design an appropriate User Interface for a simple Visual Basic application. [REASON]
3. Analyze problems typical of the business, scientific or home environment and to formulate solutions in quantitative terms capable of computer solution. [REASON]
4. Design algorithms typically used in computer programming. [REASON]
5. Lay out a flow chart for a typical algorithm. [REASON]
6. Utilize Sequence, Selection and Iteration constructs in the design of solutions. [REASON]
7. Design, code, correct, test and execute a Visual Basic program. [REASON]