Business Dept. Course Descriptions for Programming

The following courses will provide a programming foundation applicable to robotics and automation and are recommended for robotics students.

Computer Programming 1   1 semester, 1 credit   9, 10, 11, 12

Prerequisite: Algebra I (C or higher), Keyboarding skills

This is an introduction class for Computer Programming. Students will learn Visual Basic using Visual Studio, which will include algorithm development, flow charting, input/output techniques, looping and modules. Students have an opportunity to apply skills in a laboratory environment, and will provide an overview of computers and logic, design process, GUI, event driven programs, file handing, and arrays.

Computer Programming 2   1 semester 1 credit   10, 11, 12

Prerequisite: Computer Programming 1, C or better is required

This course will provide a basic understanding of the fundamental concepts involved when using a member of a Visual C++ programming development language, as well as app development and other languages. It emphasizes logical program design involving user-defined functions and standard structure elements. Data file access methods are also presented