Prerequisites: None
Corequisites: None

This course introduces computer programming using the JAVA programming language with object-oriented programming principles. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion students should be able to design, code, test, debug JAVA language programs.
Course Hours per Week: Class, 2. Lab, 3. Semester Hours Credit, 3.

Upon completing requirements for this course, the student will be able to:
1. Create a software application using the Java programming language.
2. Debug a software application written in the Java programming language.
3. Test a software application written in the Java programming language.

I.   Introduction to Computers and Java
II.   Java Fundamentals
III.   Decision Structures
IV.   Loops and Files
V.   Methods
VI.   A First Look at Classes
VII.   Arrays and the ArrayList Class
VIII.   d

The textbook and other instructional material will be determined by the instructor.