Course Prefix and Number:  CSC 201  Credits:  4

Course Title:  Computer Science I

Course Description:  Introduces algorithm and problem-solving methods. Emphasizes structured programming concepts, elementary data structures, and the study and use of a high level programming language. Prerequisite or Co-requisite: MTH 263 or equivalent or school approval. Lecture 4 hours per week.

General Course Purpose:

Course Prerequisites and Co-requisites:  
Prerequisite or Co-requisite:  MTH 263 or equivalent or school approval

Student Learning Outcomes:
Upon completing the course, the student will be able to
a. Determine if expressions and statements are syntactically correct in a high level language;
b. Determine the semantics of a program in a high level language;
c. Write a general algorithm solution of a problem in pseudocode that demonstrates a grasp of structured programming; and

Major Topics to Be Included:

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a. Computers and computer programs
b. Top-down design of algorithms, structures, and objects
c. Control structures in a high level language
d. Simple data types in a high level language
e. Arrays in a high level language
f. Proper program methodology and debugging techniques

Date Created/Updated (Month, Day, Year):  January 23, 2019