Student Name

High School or Vocational Center

COMPETENCY RECORD FOR ARTICULATION
Baker College

Please check below each skill the student has mastered with a minimum of 80 percent accuracy or with an A or B grade.

CS111 INTRODUCTION TO PROGRAMMING

Task	Satisfactory	Unsatisfactory
Describe the differences between the different generations of programming languages and provide an example of each generation.		
Demonstrate an understanding of programming terminology and methodology.		
Analyze a problem and develop a problem-solving algorithm to solve the problem.		
Solve a problem by using flow-charting and/or pseudocode. Utilize the resulting code or chart to design, compose and test the program.		
Distinguish between the different variable types and differentiate when each type should be used.		
Demonstrate the ability to perform calculations as required to meet specifications for a program.		
Distinguish and compare the flow control mechanisms including the following:		
a. If-Then-Else		
b. Select-Case		
c. For-Next		
d. Do While –Loop		
e. Do Until –Loop		
f. >		
g. <		
h. ==		
i. >=		
j. &&		
Differentiate between single and two-dimensional arrays.		

Task	Satisfactory	Unsatisfactory
Organize complex computer problems into modular components using subroutines and functions.		
Demonstrate the ability to write and debug programs using simple input and output routines as well as interactive debugging tools if they are part of the selected computer language.		
Demonstrate the ability to complete a programming assignment that includes development, documentation, design, and debugging of a program.		

Teacher signature _____ Date _____