Course: AP Computer Science A
Instructor: Leon Schram
CE Email: continuingeducation@tamiu.edu
Date(s): August 05, 2013 – August 08, 2013
Setting: Computer Lab
Time: 8:00am – 5:000pm
Lunch: One (1) Hour

Cost: $500.00
Instructor Email: leonschram@sbcglobal.net
CE Telephone: (956) 326-3068
Days: Monday – Thursday
Room: PENDING
Breaks: Two (2) Fifteen (15) Minutes Each
CEU’s: 30 Contact Hours, 3.0 CEU’s

Attendance Requirement:
Students are required to be present for at least 80%, or 24 hours, during the 30 hours of instruction in order to receive the APSI Certificate and comparable CEU’s.

Prerequisite(s): Bachelor Degree with teacher certification.

Supplies Provided: AP Computer Science A College Board Bundle

Student Supply List: Pen, pencil, notebook, personal laptop.

Learning Outcomes: Understand the Java programming features of the AP Computer Science curriculum; understand the CollegeBoard curriculum requirements as described in the course description; Understand teaching techniques for challenging computer science concepts; Understand CollegeBoard administrative procedures for syllabus and audit; understand the Case Study significance and its requirements; understand how to prepare students for the AP Computer Science Examination.

Description: The workshop will cover all the topics required for the AP Computer Science curriculum. This will include data types, control structures, classes, objects, static arrays, dynamic arrays, strings, recursion and algorithms. The workshop will place a strong focus on Object Oriented Programming with encapsulation, inheritance, composition and polymorphism. Teaching of the GridWorld Case Study will be emphasized by integrating GridWorld topics with the regular AP Computer Science curriculum. Registered teachers are encouraged to email Leon Schram (leonschram@sbcglobal.net) for information about downloading Java and GridWorld materials that will be used in the workshop. New teachers, in particular, will be given materials to study prior to the workshop to make absorbing the many topics presented easier.