

Office Use Only

Name: _____ Social Security # _____

Transcript Review Worksheet

Endorsement # 14 – COMPUTER SCIENCE

Instructional Level 7 – 12

The holder is authorized to teach computer science in grades 7-12.

In order to qualify for this endorsement, the candidate shall demonstrate the following:

Content Topic	College/ University	Course Number	# of Credits	Course Title
Program and algorithm design; data structures; object-oriented program design; and high level languages				
Computer hardware architecture				
Programming languages, including the definition and structure of languages and comparison of existing high level languages				
Fluency in at least two high level languages used in current pedagogy				
The function, application, capabilities, and limitations of computers				
The social and ethical implications of computers and their related technology				
The mathematical principles which are the basis of many computer applications including algebra, set theory, coordinate systems and graphs, matrices, and probability and statistics				
The concepts, vocabulary, and issues found in two or more of the sub-disciplines of computer science (including but not limited to: computer architecture; artificial intelligence; data and knowledge bases; ethics; graphics; human-computer interaction; networks and data communication; programming languages; and software engineering)				
The specification, design, implementation, testing, modification, and debugging of software				