WHEREAS, The rapid introduction of computers into the schools has caught many teachers and administrators with little or no training; and

WHEREAS, California Polytechnic State University, San Luis Obispo has the faculty and facilities to provide the knowledge and the experience necessary for educators; and

WHEREAS, There are no graduate level programs in Computer Education listed in the current catalogs of the universities in the CSU system; therefore be it

RESOLVED: That the Academic Senate supports the proposal for a new specialization (COMputer Based Education) in the Master of Arts in Education degree program.

APPROVED

November 13, 1984
Proposal for New Specialization
(Computer Based Education for the Master of Arts in Education)

COURSES REQUIRED

1) Program Prerequisites

(Note: These are not technically "prerequisites" since students will be allowed to enter the program with conditionally classified standing prior to their completion. However, they will have to be completed early in the program and they will not count for elective credit.)

CSC 118 Fundamentals of Computer Science (4) or equivalent.
CSC 410 Computer Fundamentals for Educators (3) or equivalent.
ED 409 Teaching in the Secondary School or
ED 411 Organization and Management in the Elementary School or equivalent.

2) The Formal Program

a. Required coursework in Education—18 quarter units. (All courses in this section must be completed.)

   Ed 385 Research Methods in Education (3)
   Ed 506 Group Processes in Education (3)
   Ed 507 Educational Psychology (3)
   Ed 582 Cultures, Communities, and Education (3)
   Ed 599 Thesis or Project (3) (3)

b. Restricted Electives in Education—6 quarter units. (Two courses from this section must be completed.)

   Ed 497 Teaching Language Arts in the Elementary School (3)
   Ed 501 Problems and Practices in Curriculum Development (3)
   Ed 506 Models of Instruction (3)
   Ed 507 Instructional Materials (3)
   Ed 515 Curriculum Development (3)
   Ed 526 Reading Programs (3)

c. Required Courses in Computer Science—15 quarter units. (All courses in this section must be completed.)

   CSC 411 Advanced Programming for Educators (3)
   CSC 413A Authoring Languages (3)
   CSC 414 Computer Assisted Instruction (3)
   CSC 416 Computer Applications in School Administration (3)
   CSC 427A Computer Based Educational Systems (3)

d. Restricted Courses in Technical Areas—6 quarter units. (Two courses from this section must be completed.)

   CSC 427H Advanced Computer Based Educational Systems (3)
   IT 425H Computer Hardware (3)
   IT 426H Graphics and Animation Techniques for Microcomputers (3)