ACADEMIC SENATE
of
CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

RESOLUTION ON THE PROPOSAL FOR A SPECIALIZATION
(COMPUTER BASED EDUCATION) IN THE MASTER OF ARTS
IN EDUCATION DEGREE PROGRAM

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

COURSE REQUIREMENTS

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 585 Research Methods in Education (3)
       Ed 586 Group Processes in Education (3)
       Ed 587 Educational Psychology (3)
       Ed 588 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 407 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 528 Reading Programs (3)

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

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

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

       CSC 447X Advanced Computer Based Educational Systems (3)
       IT 425X Computer Hardware (3)
       IT 444X Graphics and Animation Techniques for Microcomputers (3)