

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

Proposal for New Specialization
(Computer Based Education for the Master of Arts in Education)

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.)

- OSC 118 Fundamentals of Computer Science (4) or equivalent.
- OSC 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.)

- OSC 411X Advanced Programming for Educators (3)
- OSC 415X Authoring Languages (3)
- OSC 414 Computer Assisted Instruction (3)
- OSC 416 Computer Applications in School Administration (3)
- OSC 427X Computer Based Educational Systems (3)

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

- OSC 427X Advanced Computer Based Educational Systems (3)
- IT 425X Computer Hardware (3)
- ART 454X Graphics and Animation Techniques for Microcomputers (3)