

UNIVERSITY OF DELAWARE
NEWARK, DELAWARE
19711

UNIVERSITY FACULTY SENATE
303 HULLIHEN HALL
PHONE: 302-738-2829

February 19, 1973

MEMORANDUM

TO: All Faculty Members

FROM: R. McDonough, Vice President *R. McDonough*
University Faculty Senate

SUBJECT: Regular Senate Meeting, March 5, 1973

In accordance with Section IV, paragraph 6, of the Constitution, the March regular meeting of the University Faculty Senate will be held on Monday, March 5, 1973, at 4 PM, in Room 110, Memorial Hall.

AGENDA

- I. Adoption of the Agenda
- II. Approval of the Minutes of the Regular Meeting of February 5, 1973.
- III. Announcements
- IV. Old Business
 - A. The Committee on Committees nominates the following for Senate consideration for membership on the Ad Hoc Senate Committee on Governance (created by S. Res. 67): C. Ernest Birchenall, Dale F. Bray, L. Leon Campbell, Edward H. Kerner, Jon H. Olson, Lynn S. Schulz, F. Loren Smith, Judith B. Van Name.
 - B. Resolution from Mr. Ceci concerning the composition and operation of the Senate Committee on Student and Faculty Honors. (Resolution, along with comments from the Committee on Committees and Committee on Student and Faculty Honors, was attached to the Agenda for the Regular Meeting of February 5, 1973.) S. Res. 68.
- V. New Business
 - A. Consider a resolution from the Committee on Undergraduate Studies calling for the dropping of all Physical Education

requirements at the University, regardless of the time of enrollment of the student in question. (Resolution and Committee report attached.)

- B. Consider a report from the Committee on Undergraduate Studies recommending approval of an Occupational Teacher Education option under the degree Bachelor of Science in Secondary Education. (Committee report and proposed program attached. Report from the Coordinating Committee on Education in regard to budgetary matters will follow. Transcript of public hearing on the proposed program is available for examination in the Senate Office, Room 303, HULLIHEN HALL.)
- C. Consider a resolution from the Committee on Undergraduate Studies relative to the University requirement of a course in the history and government of Delaware. (Resolution to follow.)
- D. Such items as may come before the Senate. (No motion introduced at this time may be acted upon until the next meeting of the Senate.)

Attachments are in the hands of your Senators. Distribution also includes one copy for each ten faculty members of each department.

RM/dpe
Attachments

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UNIVERSITY FACULTY SENATE
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February 14, 1973

MEMORANDUM

TO: Prof. Robert N. McDonough, Vice President
University Faculty Senate

FROM: John J. Pikulski, Chairman
University Undergraduate Studies Committee

On February 8, the Committee on Undergraduate Studies unanimously approved the following resolution and recommends that the Senate likewise approve it:

RESOLVED, all requirements of Physical Education (or activity) be dropped as a requirement for any degree offered by the University of Delaware, regardless of the time of a student's original enrollment.

The resolution was submitted to the Committee by Professor Schweizer.

The Committee recommends adoption of this resolution since Professor Hannah of the Department of Physical Education has indicated that their newly established lifetime sports program has had an excellent response from undergraduates. In fact, the Department has not been able to accommodate enrollment requests in many activities. The Committee feels that the above resolution would allow for better use of the Faculty and facilities presently available.

The original decision was to eliminate the Physical Education requirement for Freshmen entering the University in the Fall of 1972. This, rather than total elimination of the requirement, was done in order to assess the impact of removal of the Physical Education requirements on the Department of Physical Education. Since there have been no adverse

effects to that Department, it appears unreasonable not to grant students additional freedom of choice. The above resolution would, in fact, no longer single out a select group of students to have a specified requirement which is not required of other students involved in similar degree programs.

cc: Professor Robert M. Hannah, Chairman
Department of Physical Education

JJP:bc

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DEPARTMENT OF CHEMISTRY

February 26, 1973

MEMORANDUM

TO: Prof. Robert N. McDonough, Vice President
University Faculty Senate

FROM: Edward E. Schweizer, Chairman, *E. Schweizer*
University Coordinating Committee on Education

The Coordinating Committee on Education met on February 26, 1973 and considered the budgetary aspects related to the proposed program of Occupational Teacher Education.

Members of the Coordinating Committee on Education unanimously agreed to recommend Senate approval of the aforementioned program.

EES:vwm

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PHONE: 302-738-2829

February 14, 1973

MEMORANDUM

TO: Prof. Robert N. McDonough, Vice President
University Faculty Senate

FROM: John J. Pikulski, Chairman
University Undergraduate Studies Committee

Attached is a proposed program for the area of Occupational Teacher Education. It would be a program option under the Bachelor of Science in Secondary Education.

A Public Hearing regarding the program proposal was held on February 1. I have asked Mrs. Erisman to forward a transcription of the comments made at that hearing to you. On February 8, the Committee on Undergraduate Studies unanimously agreed to recommend Senate approval of the aforementioned program. I, therefore, request that this item be placed on the agenda for the next meeting of the University Faculty Senate.

If the Executive Committee of the Senate feels that there are budgetary questions related to the proposed program, it may wish to have consideration of this specific matter made by the Coordinating Committee on Education.

cc: Mrs. P. Erisman
Secretary, Faculty Senate

Attach.
JJP:bc

PROPOSED BACHELOR OF SCIENCE DEGREE
OPTION IN
OCCUPATIONAL TEACHER EDUCATION

PROGRAM OBJECTIVES:

1. To make available the existing instructional facilities, present and anticipated curricula, and faculties of the University of Delaware, Delaware State College, and Delaware Technical and Community College, for the development of an integrated consortium program of Occupational Teacher Education.
2. To gain acceptance of the proposed curriculum in Occupational Teacher Education as an approved option under the Bachelor of Science in Secondary Education degree in the College of Education, University of Delaware.
3. To provide a solid conceptual scientific-technological foundation for Occupational Teacher Education, both in the general studies and the technical specializations.
4. To produce a core program of studies applicable initially to those specifically planning to teach in industrial arts and trade and industrial education.
5. To build in sufficient instructional breadth and depth, coupled with both occupational and teaching experience, to enable the graduate to perform acceptably in either situation.
6. To provide a professional basis upon which the graduate may continue his technical and professional education at the graduate level.

INTRODUCTION

Attempts are being made nationally and particularly in Delaware to correct many graduates' apparent lack of preparation for and inability to equitably enter the employment market. There seems to be a decreasing demand for graduates from several disciplines while there is a great and continuing overproduction in these areas. In the area of occupational education, however, where the market demands for skill and manpower are the greatest, there is a deficit in the supply of teachers. As a result, the elementary and secondary students are not, in many cases, being adequately educated or career oriented. In spite of the need, however, there is no teacher preparation program in Delaware to develop teachers in the occupational areas of industrial and technical education. Yet, recently members of the Delaware State Board of Education have suggested positively that by 1974 every elementary and secondary school class will have a career-education component as part of the career-education program.

As long ago as 1966, a study by Dr. C. H. Brown of the University of Delaware, Division of Urban Affairs, showed that 55 percent of the sampled seniors in the State of Delaware, intending to go to a four-year college, indicated the objective was vocational preparation. Only 14.2 percent were primarily interested in scholastic or academic preparation. Since that time, Delaware has witnessed the phenomenal growth of the Technical and Community College as well as the area vocational schools. However, the shortage of qualified vocational industrial/technical teachers is growing, and those seeking a baccalaureate degree, certification, or pre-service education must go to Temple University, Millersville State College, Rutgers University, or some other out-of-state institution. The average age of the degree holding

industrial arts teachers is about 45 years, with many planning to retire in about five years. Competent replacement will be very difficult. Without some in-service educational offerings being made available, the competencies of most vocational teachers may be diminished as the pace of technological development accelerates.

BACKGROUND AND RATIONALE

A number of special committees have studied this matter for a number of years, but the Associate Dean, College of Education, during the past year, served as chairman of a Task Force to study Occupational Teacher Education and to recommend guidelines for the proposal and implementation of a Bachelor of Science degree in Occupational Teacher Education. In order to avoid major capital outlay and expensive duplication of technical facilities and equipment, the Council of Presidents,* including the Superintendent of Public Instruction, suggested a "consortium" effort where the laboratory facilities at Delaware Technical and Community College could be used to provide the major technical specialization for the degree, with the general and professional education portions of the degree being offered at the University of Delaware and at Delaware State College. The program would be made available to the greatest numbers at the lowest possible cost and effort duplication.

*The Council of Presidents consists of the presidents of the University of Delaware, Delaware State College, and Delaware Technical and Community College. It is sometimes augmented by the Superintendent of Public Instruction and a representative from the Governor's Office. Several cooperative projects are operated under its auspices.

Using federal Educational Professions Development Act funding through the Delaware Department of Public Instruction, a director of Occupational Teacher Education was secured to develop the framework and proposal for the Bachelor of Science degree in Occupational Teacher Education

While occupational teacher education programs using the multi-institution consortium approach are not common, preparation programs for industrial and vocational teacher education are to be found in most states. For example, teachers seeking vocational certification in northern California must obtain their course work at the Berkeley campus of the University of California. Some other well recognized institutions such as UCLA, USC, Purdue, University of Michigan and Ohio State University offer even graduate degrees, some a doctorate in either vocational or industrial education.

The College of Education at the University of Delaware wishes to develop a program in Occupational Teacher Education of an exemplary nature. It will seek to develop a type of "occupational applied science" teacher to serve the needs in Delaware public schools presently served by industrial arts and the vocational/trade and industrial teacher. Its technical major content would be developed utilizing the facilities and university selected instructors and courses at Delaware Technical and Community College as well as those available at the University of Delaware. The general and professional education offerings at the University will seek to reinforce all phases of the education using a graduated clinical approach. That is, each student will be expected to be involved in "practicum" experience in both the occupational and classroom environment starting during his second year in the program. A cooperative (Industry-University) supervised work experience is

being developed which will continue for each candidate through the remainder of his degree programs, at least during the summer months. If a vocational certification is to be sought, sufficient on-the-job experience to establish occupational competence on the exam administered by Educational Testing Service, or two years on-the-job experience will be required.

Such teacher preparation programs have precedents at the University of Delaware, notably in agriculture, home economics, and business education. Certainly the applications of research in the sciences, the arts, and humanistic studies must come together in technological studies if the University is to exert leadership in the shaping of the State of Delaware's occupational-educational future. As the society supporting education seeks a shift from the pure to include the applied arts and sciences, so occupational teacher preparation must move to a more conceptual base, allowing for continuous development, not obsolescence. Constant contact between the pure, applied, and educational functions of a discipline must be maintained if each is to remain viable.

INSTITUTIONAL PROGRAMS AND ADMISSIONS

Students wishing to obtain the Bachelor of Science degree option in Occupational Teacher Education from the University of Delaware must apply for admission to the University. The university parallel program available at Delaware Technical and Community College will allow some general studies as well as the technical specialization to be taken at that institution. The technical specialization will be integrated with the general studies and the professional education over the entire four-year period.

A student already admitted and matriculating at the community college may apply for admission to the Bachelor of Science degree program in Occupational Teacher Education in the College of Education at the University. All course work taken previous to the change, that would normally be considered as part of the degree pattern, may be applied toward the degree.

PROJECTED NEEDS

A study entitled Occupational Teacher Education for Delaware was prepared in 1970 for the Ad Hoc Committee on Occupational Education. According to this report, now two years old, Delaware will need a minimum of 168 new trade and industrial instructors by 1975 and 258 by 1980. This does not consider replacements for retirement or leaving for other reasons. Neither does it take into account the desire of most existing vocational teachers for a Bachelor of Science degree. Since this study, the demand for occupational teacher education seems to have accelerated more rapidly than projected.

Because of the similar needs in the surrounding states and the nature of this proposed program, it may need to produce a great many more graduates than are required to supply the needs in Delaware. Other out-of-state programs do not offer the potential conceptual orientation of this program or its projected competency levels.

PROGRAM FUNDING

The present program of staff development is funded under EPDA money. However, state funding in addition to that already allocated to the University has been requested and is expected. The program will not compete with existing University programs for existing budgeted funds.

Since the program for all three institutions will be administered from the director's office at the University and since about 60 percent of the students are expected to be admitted to the University, the major portion of the program's administrative budget will be funded to the University of Delaware.

PROPOSED BACHELOR OF SCIENCE IN SECONDARY EDUCATION
OCCUPATIONAL TEACHER EDUCATION OPTION

Suggested Program of Studies: University of Delaware

I.	General Studies	44 S. Hrs.
	Area A Communication Skills	<u>9 S. Hrs.</u>
	1. E 110 Critical Reading and Writing	3
	2. COM 251 Voice and Speech (or competency)	3
	3. Elective	3
	Area B History and Social Science	<u>12 S. Hrs.</u>
	1. H 203 History and Government of Delaware	1
	2. Electives	11
	Area C Natural Science and Math*	<u>11 S. Hrs.</u>
	1. M 113 College Algebra	3
	2. CHE 101 General Chemistry	4
	3. PS 101 General Physics	4
	*Note: Additional math or science courses may be required as prerequisites for courses in the major speciali- zation.	
	Area D Humanities and Fine Arts	<u>12 S. Hrs.</u>
	(From at least two departments, including Art, Literature, Art History, Dramatic Arts, English (Literature) and Music, as well as other department courses in the College of Arts and Sciences and other colleges of the University that are approved by CUSE.)	
II.	Professional Studies	21 S. Hrs.
	A. Humanistic and Behavioral Studies	<u>6 S. Hrs.</u>
	1. ED 209 Psychological Foundations of Education (Including environmental observation)	3
	2. ED 258 Sociological Foundations of Education (Including clinical experience)	3
	<u>or</u> ED 240 Philosophical Foundations of Education	3

B. Occupational Education, Methods, and Techniques 9 S. Hrs.

- | | |
|--|---|
| 1. ED ___ Principles of Occupational Education
or ED ___ Introduction to Career Education | 3 |
| 2. ED 380 Secondary Methods and Approaches | 3 |
| 3. ED ___ Individual Instruction Techniques | 3 |

C. Practicum** 6 S. Hrs.

- | | |
|--|---|
| 1. ED 400 Student Teaching or | |
| 2. ED 4__ Classroom Practicum (Supervised
field experience) | 6 |

**Teachers already teaching with Trade and Industrial Certification must participate in the Classroom Practicum, a supervised field experience, in lieu of student teaching. Candidates who have had no on-the-job experience in the industrial setting are also required to participate in the Occupational Practicum (ED 2__) in addition to the Environmental Observation of the classroom setting.

III. Technical Specialization (to be offered at Delaware Technical and Community College) 81 Q. Cr. (54 S. Hr.)

A. Required of all majors (! = Del. Tech. No.)
(* = Del. Tech. So.)

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|---|---|
| 1. !ME 253 Methods and Materials
*MT 102 Manufacturing Materials | 4 |
| 2. !IN 252 Industrial Hygiene Safety
*MT 204 Fundamentals of Plant Safety | 3 |
| 3. !ED 111 Technical Drafting I (or competency)
*AE 141 Technical Drafting I (or competency) | 4 |

B. General Options (1 Major 46 Q. Cr.,
1 Minor 24 Q. Cr.) 70 Q. Cr.

Up to 36 Q. Cr. (24 S.Hr.) may be granted for occupational competency established by an appropriate examination or vitae evaluation of verified variety of occupational experience by the College Credit Evaluation Committee. The Credit by Examination process may be used to obtain credit for competencies in technical and related subjects.

1. Construction
2. Electricity/Electronics
3. Energy Conversion and Power Mechanics
4. Graphic Communications
5. Materials and Manufacturing Processes

Total (Including sufficient electives)

127 S. Hrs.

A Report to the University Faculty Senate

from the Undergraduate Studies Committee

Regarding the Teaching of H 203 The History and Government of Delaware

In 1910 the Delaware Legislature passed a law requiring Delaware College to provide a special course in Delaware history and government and further requiring every student attending the college to take the special course.

Since today material on Delaware is a required part of the curriculum of the elementary schools of the state, it seems appropriate for the University of Delaware to continue to provide a course on the history and government of Delaware on an elective basis for all undergraduates, as a course for prospective elementary school teachers and secondary school social studies teachers, and as an in-service program for teachers coming to the state from other schools or colleges.

The case for such an argument is amply put in the following statement of Dr. John A. Munroe, H. Rodney Sharp Professor of History, and respected teacher of the course on Delaware History and Government:

"Regarding the course entitled History and Government of Delaware, I have proposed that the legislature be asked to drop the requirement for University of Delaware students and that the University require the course for students preparing to teach in elementary schools and for those preparing to teach any of the social studies in secondary schools. Material regarding Delaware is a required part of the program in the elementary schools, especially, I believe, in the fourth grade, and courses in American history and government are similarly prescribed in the curriculum of our secondary schools. Here, it seems to me, is the proper place to teach the history and government of Delaware to the young people of this state, because all of them can be reached and not just those who come to the University of Delaware.

I am not proposing that we merely shrug off a responsibility the state legislature has laid upon us, but that we concentrate on teaching the prospective teachers who, in their turn, can reach all the youth of Delaware, and not just those who attend college here. If we concentrate on teaching the prospective teachers, we can, with smaller numbers to handle, give more personalized instruction - for instance, by encouraging class discussion in the reading of material not available in vast quantities - than we have been able to do in the recent past when over a thousand students have taken this course each year.

The question will remain, if my proposals relative to concentrating on teaching prospective teachers are accepted, of how the large number of teachers are to be reached who come to Delaware from other states and from other universities. I further propose that we make this course available

to new teachers (in elementary schools and in social studies in secondary schools) as an in-service course to be taken following an out-of-state teacher's initial appointment in Delaware. We can do this by utilizing the services of our University Extension Division. We need not offer the course everywhere every term but only be sure that we offer it at regular intervals in various parts of the state - as, indeed, we have been doing in the past - so that new teachers have an opportunity to take it. We can adjust this offering to almost any need, as, for example, by giving the course in a short, concentrated period if that is most convenient to the teachers. We could, perhaps, even offer it in an off-campus location in the late afternoon instead of at night.

I make this proposal with enthusiasm because I think it keeps faithful to the state legislature, which has supported this institution loyally, and allows us to increase the effectiveness of our teaching of the history and government of Delaware by concentrating on those students who can make the most effective use of what we teach them in this field."

A Resolution of the Undergraduate Studies Committee
Recommended to the University Faculty Senate for Adoption

RESOLVED, that this Senate believes that the effectiveness of the teaching of the History and Government of Delaware at this University would be increased if such a course were offered on an elective basis for all undergraduates, rather than being a requirement for all undergraduates as at present; and that such a course should be a requirement for prospective elementary school teachers and secondary school social studies teachers; and that such a course should be offered as an in-service program for teachers coming to this State from other schools or colleges.