Appreciation to WOSC

Request for Authorization To Offer Off-Campus, Part-Time Program of Studies in the Central Oregon Region Leading to the BA/BS Degree in Liberal Studies, OSU

Request for Authorization To Offer a Program in Computer and Information Science Leading to the Ph.D. Degree, UO

PRESIDENT'S REPORT
  Statement Adopted at Joint Board Meeting
  Statement Opposing Any Closure of Institutions
  Request for Information on Student Financial Aid
  Review of Board Procedures

ADJOURNMENT
STATE BOARD OF HIGHER EDUCATION
MINUTES OF REGULAR MEETING HELD IN
ROOM 217, EDUCATION BUILDING,
WESTERN OREGON STATE COLLEGE, MONMOUTH, OREGON

April 24, 1981

A regular meeting of the State Board of Higher Education was held in Room 217
of the Education Building at Western Oregon State College, Monmouth, Oregon.

The meeting was called to order at 10:30 A.M. (P.S.T.), April 24, 1981, by
the President of the Board, Mr. Edward C. Harms, Jr., and on roll call the
following answered present:

Mr. Lester E. Anderson
Mr. Alvin R. Batiste
Mrs. Jane H. Carpenter
Mrs. Edith Green
Mr. Robert C. Ingalls
Mr. David M. Lomnicki
Mr. James C. Petersen
Ms. Elizabeth Warner-Yasuda
Mr. Loren L. Wss
Mr. Edward C. Harms, Jr.

Absent: Mr. John A. Elorriaga was absent for business reasons.

OTHERS PRESENT

Centralized Activities-- Chancellor R. E. Lieuallen; Secretary Wilma L.
Foster; J. T. Hunderup, Vice Chancellor for Facilities Planning; Mrs. Clarethel
Kahananui, Acting Vice Chancellor for Academic Affairs; E. Rex Krueger,
Vice Chancellor for Educational Systems; W. T. Lemman, Jr., Vice Chancellor
for Administration; James Casby, Assistant Attorney General; A. M. Rempel,
Assistant Vice Chancellor for Academic Affairs; Edward P. Kelley, Jr.,
Associate Vice Chancellor for Personnel; Barbara Barrie, Personnel Adminis-
tration; Ross Hall, Controller; Richard Perry, Director, Management &
Planning Services, Office of Administration; Tom Berkey, Assistant Budget
Director; Charles Erekson, Coordinator of Management Studies, Office of
Administration; Keith Jackson, Assistant Budget Director; Dave Quenzer,
Assistant Budget Director; Melinda Grier, Compliance Officer; Richard Zita,
Assistant Chancellor and Director of Public Services and Publications;
Francetta Carroll, Assistant Board Secretary.

Oregon State University--President R. W. MacVicar; Sandra Suttle, Assistant
to the President, Curriculum Coordinator, Acting Associate Dean of the
Graduate School; Clifford V. Smith, Vice President for Administration;
Roger Penn, President's Office.

University of Oregon--President Paul Olum; Ray Hawk, Vice President for
Administration and Finance; Fay B. Haisley, Associate Dean of the College
of Education.

University of Oregon Health Sciences Center--President Leonard Laster;
Mary Ann Lockwood, Executive Assistant to the President; John M. Brookhart,
Acting Vice President for Academic Affairs.

Portland State University--President Joseph C. Blumel; Richard J. Sonners,
Head of the Department of Special Education.

Eastern Oregon State College--President Rodney Briggs.

Southern Oregon State College--President Natale Sicuro; Don Lewis, Dean of
Administration; Ernest E. Ettlich, Dean of Academic Affairs.

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Western Oregon State College--Hermas J. Bergman, Dean of Liberal Arts & Sciences; Gary Cunningham, Athletic Director; Dennis Fahey, Professor of Education; Lotte Larsen, Librarian; Arthur A. McElroy, Coordinator of Learning Disabilities, Special Education; Richard Walker, Dean of Public Education & Service; Maxine Warnath, Chairman of Department of Psychology & Special Education; Bonnie J. Young, Professor of Education, Project Coordinator for Dean's Grant.

Oregon Institute of Technology--President Kenneth F. Light, Jack Douglass, Dean of Administration.

Others--Elinore Rogers, Research Analyst, Oregon Educational Coordinating Commission; Gaylord Thorne, Chairman, Educational Services & Measurement Department, Teaching Research; Harold Hyman, University of Oregon graduate student.

Appreciation to WOSC

President Harms expressed the Board's appreciation to President Leinwand, the staff, and students of Western Oregon State College for the courtesies extended to the Board during its visitation to the campus.

Request for Authorization To Offer Off-Campus, Part-Time Program of Studies in the Central Oregon Region Leading to the BA/BS Degree in Liberal Studies, OSU

Oregon State University requests authorization to offer its BA/BS degree program in liberal studies in the Central Oregon region on a part-time, self-support basis for students residing in that region who are unable for personal or employment reasons to leave the region to participate in a full-time campus-based program and who have completed or are able to complete undergraduate course work meeting the lower-division course requirements of the degree program in other accredited college or university programs.

The program has been planned with the cooperation of Central Oregon Community College, which will provide classroom and other instructional space, counseling and advising services, and library support.

Under this proposal, Oregon State University will:

1. waive current University policies in regard to on-campus residency for students enrolled in the BA/BS in liberal studies degree Central Oregon program; and

2. to the extent enrollments permit, offer over a period of time a schedule of courses applicable toward this degree which will make it possible for students to complete upper-division degree requirements without moving to a four-year campus.

Students will be advised that the number of courses scheduled each term and the maintenance of a schedule leading to graduation will be dependent on enrollment of sufficient numbers of students to provide tuition and fee income covering Oregon State University's instructional and administrative costs.

In all other respects the program will be identical to the campus program. Students intending to pursue the degree program must be admitted to Oregon State University as baccalaureate degree students prior to completion of 147 credit hours of undergraduate course work; tuition fees will be charged at rates commonly in effect at Oregon State University; degree requirements will be precisely those applying to OSU's campus BA/BS in liberal studies degree program; and the instructional program will be the responsibility of the faculty and administration of the University's College of Liberal Arts and its director of liberal studies.

April 24, 1981
Staff Recommendation to the Committee

The Board's staff recommended that the Board authorize Oregon State University to offer its BA/BS in liberal studies degree program in Central Oregon under the arrangements described with the provision that a written agreement be developed with students admitted to candidacy for the degree defining clearly the extent and limitation of Oregon State University's obligation to provide a schedule of course work in Central Oregon which will permit completion of degree requirements.

Discussion and Recommendation by the Committee

In presenting the staff report, Mrs. Kahananui commented that there had been extensive study and discussion at the time the Board considered a similar program for off-campus instruction at Eastern Oregon State College.

President MacVicar said the Board's regulations state that 108 hours of community college work can be applied appropriately toward the baccalaureate degree. Therefore, it would be possible for a student to complete the degree requirements with an additional 84 hours in the proposed Oregon State University program at Bend. Surveys have shown that a significant number of individuals in central Oregon have had college experience in two-year and four-year institutions but have not completed the baccalaureate degree and would be interested in doing so if courses were available. President MacVicar emphasized that the institution would require students in the Bend program to meet all of the institutional requirements with respect to distribution, upper-division courses, and hours taken in residence. The courses offered by Oregon State University in Bend would be regarded as courses taken in residence.

President MacVicar pointed out that the central Oregon area is one of the few remaining parts of the state with a significant population that is not reasonably accessible to a four-year institution. Coos and Curry counties in southwestern Oregon constitute another similar area which might be served later if the proposed model in Bend proves to be successful.

President MacVicar expressed some concern about having a significant number of students to enable the program to operate effectively but said he did not expect the program to be an alternative means of achieving the baccalaureate degree for the general student population. He suggested an extensive review after the program has been in operation for five years. He also commented that the minor in business is limited to 45 hours because the conditions for the accreditation of schools of business make it extremely difficult to extend business programs off campus without using the very scarce resource of fully qualified faculty.

Dr. Fredrick H. Boyle, President of Central Oregon Community College, supported the proposed program as a desirable cooperative effort by the two segments of education and one that was valuable for place-bound students. He indicated that Central Oregon Community College was committed to the program and that it had been discussed with the community college board and in several central Oregon communities. All had favored the proposed program.

Mr. Petersen said the program was of importance to serve students in outlying communities. Further, the proposed program demonstrates a liaison with the community colleges that is important. He said he was satisfied there was no major fiscal impact and that the program appeared to be self-supporting.

The program will require a class size of at least fifteen students, President MacVicar said. It will be important to send some of the very best teachers from the campus and because of the attractiveness of the area, it should not be too difficult to obtain instructors. The support of the community college is critical to a quality program, President MacVicar said.
Quality control was discussed and quality has been a matter of concern in planning the program. Quality faculty members are available both at Oregon State University and in Bend. Adequate library resources are very important. The commitment has been made at the community college to provide resources that would meet the standard list of books in the social sciences that would be appropriate for a four-year institution. Good advising will be essential, President MacVicar indicated, but it is anticipated cooperative efforts between the Central Oregon Community College and Oregon State University will achieve this goal.

Dr. Robert Albrecht, Vice Provost at the University of Oregon, indicated the institution was neither supporting nor opposing the specific proposal. He said there was a question of the definition of a place-bound student and how such a program could be restricted to a particular subject matter. He referred specifically to business courses and possibly education courses in the future. He noted that state support for continuing education, should it eventually occur, would change the character of a program of this nature from self-supporting to something else. He raised several issues of potential concern with respect to off-campus programs, including quality concerns and questions about the number of such programs which might be developed in the state in the future. He suggested that the issue of possible growth in the future might better be confronted now than after five years.

Mr. Harms commented that it appeared that there might well be a need and that Oregon State University and Central Oregon Community College should be commended for moving ahead to serve this region. The plan seems to be conservative and possibly would work, but there will be costs to both institutions. However, Mr. Harms said it will appear to the Legislature and the public that costs will be greater than they actually are and that the proposal represents an expansion of programs which duplicate other programs offered on all State System campuses. At a time when the Board is concerned about the possible declaration of financial exigency, it is the wrong time to undertake this proposal.

Mr. Anderson indicated that Mrs. Kahananui had stated that this program followed a similar pattern to that at Eastern Oregon State College. He asked that she describe the differences.

Mrs. Kahananui explained that the Eastern Oregon State Program used almost precisely the same degree pattern, the same kind of distribution requirements and major requirements, and a general studies problem focus for an individually designed degree pattern which uses courses for the most part from the social sciences to achieve a baccalaureate degree. It serves the same kind of student who is remote from the campus but has already completed substantial course work at a two-year or four-year institution. The students generally do not require a specific departmental major. The proposed program differs from the Eastern Oregon State College program in that students in Eastern's program are scattered throughout that wide geographic area. Students are not served in 15-student classes and there is a substantial amount of individual work in that program, together with an assessment of prior experience. Life and work experience is assessed for possible credit and students are assisted in study programs to achieve credit by examination. A contract is then developed based on individual study and instructor contact. At the completion of the work specified in the contract, the student receives the baccalaureate degree. In the central Oregon program, course work will be evaluated to determine what additional requirements must be met for the Oregon State University liberal studies degree program. Courses will be completed largely through class instruction. This is the primary difference from the program at Eastern Oregon State College. The Bend program will differ from continuing education in that it will be planned to meet degree requirements.
President Boyle commented that the issue of quality was a major concern with the faculty at Central Oregon Community College. There was some feeling that bringing university education to central Oregon would erode the base of support for higher education which is now available to Central Oregon Community College. However, there is a real possibility that an outside organization, perhaps second rate, might come into the region and meet the need. The residents of central Oregon would much prefer either or both of the state universities to meet the demand. He said it was his opinion that the proposed program was a good program that should be approved and that it would be understood rather than misunderstood.

Mrs. Carpenter said she welcomed the possibility of continuity as proposed in this program. She said that even though students might not get the wealth of experience they would receive on a campus, the proposed program could be one of high quality.

Mr. Petersen concurred and said learning can take place in a program of this type. He said the Board should give the institutions an opportunity to demonstrate the positive results which could be achieved from the experiment.

Mr. Anderson said this cooperative venture should be commended and the proposal seemed to be innovative, imaginative, and forward-looking. He said he had always believed that a certain amount of time in residence for the degree was very important. In the liberal arts area, there should be an opportunity to get a broad base of course offerings in many fields as opposed to a narrow range of subjects that might be offered as it became convenient or students were available. He questioned whether there could be true quality in the proposed program when a broad base seems to be part of the qualitative assessment of these programs. Mr. Anderson also expressed the view there would be additional costs and that other parts of the state were in equal need of similar services. He said the Board should first determine overall policy with respect to cooperative programs with the community colleges and then develop a uniform program rather than approving an institutional unilateral action. He also asked that data be provided on the demand for the program. In conclusion, he questions the timeliness of the program because in some circles it might be construed as expansionist in a time of budgetary problems.

Mr. Anderson said the program possibly is something that could be postponed. He recognized the value of this type of program. He said there should be additional study and coordination on a systemwide and community college basis.

Mrs. Kahananui indicated that the complete presentation by Oregon State University was available and provided much of the information requested by Mr. Anderson. It had not been forwarded to the Board because of an effort to reduce the amount of material sent to Board members as requested.

Mrs. Carpenter pointed out that the matter of external opportunity for people who are place-bound has been under discussion for several years and a substantial amount of information is available. There are requirements designed to assure that continuing education programs are integrated fully into the quality criteria for the institution.

Mrs. Carpenter also suggested that an interim report should be made on the program after one year. The Legislature is extremely well aware of the fact that the central Oregon region has not been served. Approval of this program would not implicate the Board with respect to future programs, she said, but would provide further data on their feasibility.

Mr. Petersen agreed that there was concern about the budgetary impact by suggested that the proposed program might replace an offering that was no longer meeting a need that exists. He suggested that the Board should consider priorities within the resources available.

The Committee recommended that the Board approve the staff recommendation as presented. Directors Petersen and Carpenter voted in favor and Director Anderson was opposed.
Board Discussion and Action (March 27, 1981)

President Boyle stated that Central Oregon Community College was very committed to this program and that it had been discussed with the governing board of the college on a number of occasions and also with the Chambers of Commerce throughout the three major counties in central Oregon. He defined place-bound students as ones who for reasons beyond their control are unable to leave an area to pursue educational work. This program is intended to serve those students.

President Boyle reiterated his earlier remarks that outside organizations probably would fulfill the need in central Oregon if this program is not approved and that such an occurrence would be very damaging to higher education in Oregon.

In response to a question concerning the length of the program, President Boyle indicated that if the program is satisfactory at the end of the one-year review period, there is nothing to preclude extending the program for at least four or five years. Another four-year institution is not needed in Oregon, President Boyle said, but he would favor involvement of the colleges and universities in providing programs in the Bend area. It will be made very clear in writing to the students that this is an experimental program.

Mrs. Carpenter pointed out that these programs will be self-supported and will require at least 15 students to support a given class.

President MacVicar also commented on the issue of the commitment that would be made to students. There is a sizable group of students who want a program of this nature and are prepared to undertake it. It will be made very clear to those who undertake the program that it must be self-supporting and requires an average of 15 students. The program is being subsidized by Central Oregon Community College and will probably be subsidized to some extent by people, organizations, and firms in the Bend area who want the advantages of higher education for the citizens in that region. In fact, several firms have indicated their policy to provide tuition support for students who wish to undertake programs to complete the baccalaureate degree. An agreement in writing is mandated for every student entering the program.

Mr. Wyss asked President MacVicar about the basis for the choice of Oregon State University instead of one of the other institutions in the State System. President MacVicar responded that there had been a long relationship between Oregon State University and Central Oregon Community College and it is the State System institution that is closest to Bend.

Mr. Ingalls asked whether there would be a legislative problem in expanding at a time of retrenchment. The Chancellor said he believed the legislature and other constituencies would be more critical of maintaining the status quo and not doing some experimental things when they appear to be justified.

Mr. Petersen moved that the Board approve the recommendation of the Committee.

Mr. Anderson said he had voted against the proposal in the Committee meeting because of his belief that an on-campus experience is important. A second concern was that of quality in a number of areas--library, faculty, cost, and the ability to offer a broad range of subjects for a true liberal studies education. Other areas of the state need similar services and guidelines should be developed with regard to the relationships between the State System institutions and the community colleges before launching a pilot program.

Mrs. Carpenter pointed out that there are consortia established with all of the community colleges and there is a substantial amount of control through various sources.
Mr. Wyss said the other locations mentioned by Mr. Anderson, particularly Astoria and Roseburg, might offer opportunities for relatively low-cost delivery of higher education on a cooperative basis with the local community colleges.

Mr. Harms said the Board was looking at an anomaly in consulting on a declaration of financial exigency and at the same meeting approving the commencement of a program which would appear to the legislature and the public as program expansion of duplicative programs in the liberal arts. Even though the program could be offered at modest or virtually no cost, that is not how it would be perceived by the public. He commented that the Board had urged the development of a plan to eliminate the vacuum created by the loss of state funds for the division of continuing education and these two institutions should be commended for doing so. Nevertheless, Mr. Harms said, in his opinion, it was the wrong time to do this.

The motion to approve the Committee recommendation was defeated on a tie vote. Directors Carpenter, Ingalls, Petersen, and Wyss voted in favor, and Directors Anderson, Batiste, Lomnicki, and Harms were opposed.

The President stated that this issue should not be decided on a tie vote. After the discussion of appropriate parliamentary procedure, the president instructed the secretary to include this item on the agenda for the next Board meeting.

Board Discussion and Action (April 24, 1981)

Mr. Harms referred to a letter addressed to the Board members from President Boyle. Board members indicated that they had received the letter.

Mrs. Carpenter commented that external degrees had been discussed by the Board, including the integration of such degrees into a satisfactory quality structure. She noted that the Board also had requested the institutions to meet educational needs.

Mr. Anderson said he had expressed certain concerns about the proposal at the earlier meeting and would favor development of a policy to cover these activities throughout the State System. He pointed out that there is an equal need in other areas of the state and questioned whether the quality of the program would be adequate. He suggested a motion to refer the matter for review to the presidents of the public and private institutions, the community colleges, and to the Educational Coordinating Commission, with the intent to establish a policy for programs of this type. He further suggested that the matter be tabled in favor of such a study or review to establish policy.

Mr. Batiste also emphasized the policy issue and referred particularly to the instructors for the program and mandates set forth in the Joint Board Agreement. He said he would oppose acting unilaterally on the Central Oregon-Oregon State University proposal.

Mr. Petersen disagreed with the suggestion to table the motion for approval. This proposal involves two institutions, he said, which do not have competitive institutions in the Bend area, in a plan to meet a demonstrated need for students interested in the program. He stated the program might serve as a pilot program to identify issues which would become part of a policy statement for cooperation between community colleges and State System institutions.

Mr. Harms indicated that he would support the request because he did not believe it was necessary to delay this program in an area where the institutions have been encouraged to develop such programs.

President Boyle noted that this program would be supported by tuition and would not require state money. The instructors will be from Oregon State University or people from Central Oregon Community College who would meet the usual qualifications for teaching at Oregon State University.
In response to a question from Mr. Ingalls, Mr. Anderson said that it would be his intention to move that the matter be referred to the Educational Coordinating Commission.

Mrs. Carpenter said she could see no reason for referring the proposal to the Educational Coordinating Commission because the Board's staff was responsible for querying every other organization or group within the area to determine whether there would be any impact from this program. She asked Mrs. Kahananui to review the extent to which this had been done. Mrs. Kahananui indicated that copies of programs forwarded to the Board for approval are also mailed to all of the State System institutions, the independent colleges of Oregon, and to all community colleges asking for their counsel and advice. This was done in the present instance and the only question raised about this program came from the University of Oregon and was expressed by Dr. Albrecht at the last meeting. It was further pointed out that any new program approved by the Board is considered by the Educational Coordinating Commission but a referral prior to Board approval would be premature. The Educational Coordinating Commission would have no basis upon which to make a decision or recommendation until the Board has acted.

The program and degree are already authorized to Oregon State University. The off-campus location of the courses would be the subject of the review by the Commission, and a copy of the program has been provided to the Commission for its information.

Mr. Wyss asked for further explanation of a statement by Dr. Albrecht that if at some time in the future state support for continuing education occurred, it would change the character of this program from self-support to something else.

The Chancellor said it was his assumption that the statement referred to the fact that if the state should begin to provide support, not for continuing education as it now is, but for courses offered off campus, it would not be inappropriate for these courses to be counted within the funded level for an institution. However, Oregon State University is substantially over its enrollment limit and not until its enrollment dropped below the 16,500 Fall Term FTE would there be any state support possible for this proposed program.

The motion by Mrs. Carpenter to approve the program failed on a tie vote. The following voted in favor: Directors Carpenter, Lomnicki, Petersen, Wyss, and Harms. Those voting no: Directors Anderson, Batiste, Green, Ingalls, and Warner-Yasuda.

Mr. Anderson then moved that this matter be referred to the Oregon Educational Coordinating Commission for discussion with the presidents of both public and private institutions and the presidents of the community colleges in the hope that sufficient information was available to formulate a policy to encompass the entire State System.

Mrs. Carpenter opposed the motion because there is presently a joint agreement in effect and this action would superimpose a different procedure on top of the joint agreement.

Mr. Harms said he would like to have something in the motion which more nearly would address the specifics of this program. Mr. Anderson agreed to add to his motion a reference to focusing attention on this particular program and its impact.

After further discussion of the wisdom and appropriateness of referring the matter to the Educational Coordinating Commission prior to a Board decision on the issue, it was stated that such an action would be precedent-setting and would be an unwise decision.
The Chancellor commented that the action would shift to a greater degree than has ever been the case before the responsibility for program decisions to a body other than the Board of Higher Education. He said if there were any way for the Board to resolve the matter, either negatively or positively, it would be preferable. The Chancellor said referring the issue to a group other than the Board would, in his opinion, set a precedent that the Board would regret in the future.

In responding to a question concerning why the program did not meet with the approval of those who voted against it, Mr. Anderson said the principal reason he had opposed this particular program was that the Board did not have a policy on which to base its decision and did not know what would happen in other institutions if the same situation should arise.

Mr. Wyss said Mr. Anderson had an excellent point which also suggested a solution that instead of referring it to the Educational Coordinating Commission, the Board should consider the policy issue and the program as a high priority item after the current budget situation has been resolved.

Mr. Anderson offered to withdraw his motion but was asked instead to substitute the Board of Higher Education in place of the Educational Coordinating Commission. The intent would be for the Board to address the broader questions previously mentioned by Mr. Anderson and respond to the specific impact of this program in relation to any more general policy which might be adopted. The proposed program would be returned to the staff for a further report on policy and for further Board consideration of the broader questions involved in the request. The impact of implementing such a program at all institutions in all areas of the state and the specific effect which this particular program might have on any change in the overall policy would be included in the intent of the motion. Mr. Anderson concurred in the modifications to his motion.

The Board approved Mr. Anderson's motion as presented and modified, with the following voting in favor: Directors Anderson, Batiste, Carpenter, Green, Ingalls, Lomnicki, Petersen, Warner-Yasuda, Wyss, and Harms. Those voting no: None.

Staff Report to the Committee

The Oregon State University proposal for extending its BA/BS degree in liberal studies to the Central Oregon region is filed in the Board's Office.

The proposal has been carefully worked out by administrators and faculties of Oregon State University and Central Oregon Community College over a period of several years to meet the major educational need expressed by place-bound adults interested in advanced-level education in the Central Oregon region, and their employers, as revealed in a series of studies.

The liberal studies degree, which requires advanced work in two or more departments focused around an interdisciplinary "theme" or area of interest, is particularly suitable for the adult student who has acquired from one place or another a substantial amount of college course work, but who has not completed a baccalaureate degree program. Lower-division course work completed will usually fall into the broad areas of knowledge (humanities, arts, sciences) required to meet general education requirements. Specialized or advanced course work can often be used as one of the areas of the upper-division major. External degree programs offered by institutions of higher education for a general adult student clientele most typically follow the liberal/general studies degree pattern. For example, the external degree program of Eastern Oregon State College is an off-campus, individualized study adaptation of Eastern Oregon State College's liberal studies degree program.

The liberal studies degree will not satisfy needs of adult students who wish to prepare for employment in fields such as elementary education or who wish specialized work which will qualify them for admission to graduate or professional study in science or science-related fields.
Nature of the OSU Program. According to Oregon State University General Catalog for 1980-81, the BA/BS degree program in liberal studies is designed for "students whose academic and career interests suggest greater curricular breadth and flexibility than is available in other major programs."

Candidates for the BA/BS in liberal studies must complete 192 hours of credit, 60 hours of which must be upper-division. Academic and program requirements which must be met are indicated below. These requirements are not accumulative: a social science sequence, for example, might be used to meet University requirements, College of Liberal Arts requirements, and liberal studies major requirements, depending on the student's program.

1. **University general requirements:**
   - English composition (Wr 121) 3
   - Physical education (3 terms) 3
   - Physical biological, and/or mathematical sciences 15
   - Arts and humanities 12
   - Social sciences 12
   - Written and oral English communication 6
   - Total: 51

2. **College of Liberal Arts distribution requirements:**
   - A laboratory science sequence 9-12
   - A social science sequence 8-12
   - An additional sequence in a science or social science in a department not used in filling the first two requirements above 9-12
   - Two sequences in the humanities from different departments 16-24
   - A sequence in the arts 8-12
   - Second-year foreign language proficiency or a sequence in a non-European culture 9-12
   - Mth 95 and one of the following: Mth 101, 121, 122, 161, 162, 163 8

3. **Program major requirements:**
   - A 45-60 credit hour program of study which is thematic in nature and developed with course work from two or more departments in the College of Liberal Arts and approved by the student's designated advisor. 45-60

Oregon State University will accept a maximum of 45 credit hours of business (lower- and upper-division combined) as general elective credit toward the 192 hours required for this degree.

Resources to Offer Program. Listed below are various resource components of the Oregon State University liberal studies degree and how they are to be provided in the Central Oregon setting.

1. **Student advising and information services.**
   Central Oregon Community College will be responsible for providing space and personnel to fulfill day-to-day requirements for student advising and information services. Central Oregon Community College faculty selected as on-site advisors will be trained by the Director of Liberal Studies at Oregon State University, who will maintain final control of student advising, who will approve all student programs, and who will monitor student progress in completion of approved programs of study.
2. **Courses.**

All coursework delivered on-site in Central Oregon will be drawn from curricula currently offered in the College of Liberal Arts at Oregon State University plus a few courses from the School of Business selected to meet specific student and employment needs. Initial courses to be delivered will be in the social sciences (economics, political science, psychology, and sociology), fields of study which have been identified as a particular interest to the adult student population who will be served by the program.

3. **Faculty.**

All instructional staff will hold appointments as regular or adjunct Oregon State University faculty. At least 40% of the coursework offered in support of the proposed program will be taught by regular on-campus faculty from Oregon State University. Persons appointed as adjunct faculty will be local members of the faculty of Central Oregon Community College or qualified public school teachers or other professional persons in the Central Oregon region.

The combined faculty will meet at least once each term to discuss course content, instructional support materials, and on-site student needs. Insofar as possible, coursework supportive of the program will have the same texts, supportive bibliographies, and course requirements and competency expectations as courses taught on campus.

4. **Library.**

Central Oregon Community College is committed to the development of library holdings adequate to the support of coursework offered in the proposed program. Requirements for the holdings will be based on standard lists now commonly in use in Oregon in the development of liberal arts collections. When necessary in support of specific courses not likely to be taught more than once, duplicate copies of relevant titles housed in the Oregon State University library will be deposited temporarily in the Central Oregon Community College library and returned to Oregon State University upon completion of the course.

5. **Facilities and Equipment.**

It is expected that the majority of the classes offered in support of the Central Oregon program will be scheduled in instructional space at Central Oregon Community College during the late afternoon and early evening hours. However, some courses may be scheduled in other locations in Bend or in neighboring communities.

6. **Students.**

Admission policies will be those currently in effect at Oregon State University. No enrollment limitations will be imposed on potential participants in the program. However, it is expected that the great majority of students will be beyond the 18-22 age range currently found in on-campus programs and will be part-time, degree-seeking individuals. Potential sources of students include persons employed full-time in the Bend area, adult family members of persons employed in the area, and persons currently in residence in the area who wish to move part-time into upper-division coursework prior to later full-time involvement on a four-year campus.

**Impact on Other Programs in State.** Given the design of the program, the limited nature of the offerings, and the probable nature of the student body, it is difficult to see how the program could have any effect on student enrollment on the four-year campuses.
Budgetary Impact. The program will be self-supporting from student fees and from in-kind (instructional space, library facilities, advising capability) contributions of Central Oregon Community College. Oregon State University's division of continuing education will be responsible for the fiscal management of the program and income and disbursements will be handled through a division account.

Under the present fee and cost structure for self-support programs, an average of 15 students per class will be needed for courses offered on-site in Central Oregon. Potential students will be advised that delivery of coursework supportive of the off-campus program will depend on enrollment sufficient to cover program costs.

While it is difficult to predict with any precision the number of students who will participate in the program, extensive surveys of adult educational needs in Central Oregon lead Oregon State University's personnel experienced in the scheduling of off-campus instruction to believe that enrollment of persons eligible for and interested in completing a baccalaureate degree of this nature together with enrollment of persons who are only interested in occasional enrollment in courses of special interest will provide the enrollment necessary to offer the program contemplated.

(Considered by Committee on Instruction, Research, and Public Service Programs, March 27, 1981; present--Carpenter, Anderson, and Petersen.)

The University of Oregon requests authorization to offer a program in computer and information science leading to a Ph.D. degree, effective 1981-82.

Staff Recommendation to the Committee

The Board's staff recommended that the University of Oregon request be approved.

Discussion and Recommendation by the Committee

Mrs. Kahananui addressed the issues of whether ten faculty people were adequate to offer a Ph.D. program and whether the two small programs at the University of Oregon and Oregon State University should perhaps be combined into one larger program. Further, does the state need two Ph.D. programs. Typically doctoral programs in computer science are offered with what might appear to be rather small faculty, Mrs. Kahananui said, and she cited examples of institutions with similar size programs. The programs at both institutions would be unlikely to meet Oregon's need for people prepared at this level. She also indicated that computer science instruction requires access to computers and computer terminals and facilities which are limited and used by other departments as well as computer science. Consequently, the number of students concentrated in one institution must be limited.

Mr. Petersen said people trained in computers are in great demand but he was concerned about the duplication of programs forty miles apart and the economies of two separate facilities producing a limited number of students. He also expressed concern about lack of equipment and the scarcity of faculty, saying these issues should be addressed in the light of present fiscal constraints.

Mrs. Kahananui explained that the faculties were not underutilized at the present time and Oregon State University would not be able to produce additional students at the Ph.D. level. A limited number could be accommodated in the proposed University of Oregon program and this would provide a few additional high-quality people.

Dr. Steven Hedetniemi, Head of the Department of Computer and Information Sciences at the University of Oregon, reported recent information from the national level which indicated that the supply of new Ph.D.'s in the field is about 15% of the demand. There are only 67 Ph.D. programs in
this field nationally. Even more alarming, he said, is the fact that the total number of Ph.D. computer science faculty in the United States increased from 805 in 1975 to 825 in 1979. Most of the faculty departures are into industry and not due to retirement. Only 1% of the doctorate produced enter university employment.

Dr. Hedetniemi stated that adequate computer capacity is available although there is a lack of a middle-range computer. He commented that students in the doctoral program would be capable of teaching lower level courses at an estimated savings of $30,000 in the cost of instruction. Grants would be generated for additional funds.

While not discounting any of the information presented, Mr. Petersen said the issue of duplication had not been addressed. It was his contention that it might be possible to enhance the existing Ph.D. program at less cost than maintaining two programs. He pointed out that the report referred to a reallocation of funds and asked that this be explained further.

President Olum responded that a computer science program was necessary for undergraduates in all fields and that it was necessary to expand to meet a 35% increase in the computer science demand at that level. The graduate program can be implemented without reallocation, but it would be necessary for the undergraduate program.

There was some discussion of areas of expertise which might be available in the Ph.D. program and the areas of specialization at the University of Oregon and Oregon State University. It was indicated that consultants had pointed out that the emphases at the two institutions was entirely different.

In addressing the question of duplication, Dr. Krueger said if the student-faculty ratios are kept constant, it is immaterial whether the faculty are in one location or two. With respect to equipment, the University of Oregon acquired new equipment and increased access to this equipment through the acquisition of additional terminal outlets.

Mr. Petersen said the issue then might be one of offering a new program and suggested that this might not be the appropriate time to do so.

Mrs. Kahananui explained that the Board has been reluctant to approve additional programs in a field until total student enrollment becomes excessively large. Computer science is now fundamental to almost every major program. Even with the educational advantages of the proposed computer science authorization, there would have been more reluctance to recommend approval were it not that the state must diversify its industries. One thing that is essential to attract high level technical industries is the availability of trained personnel for those industries. The proposed program would assist Oregon young people in preparing for top level, innovative, and research positions in such industries. The proposed program is in the best interests of the educational community, the University of Oregon, and the State of Oregon.

President MacVicar and President Light attested to the scarcity of personnel trained at the graduate level in computer science. President MacVicar also stated that the programs at the two universities would be distinctly different and would be complementary.

The Committee recommended that the Board approve the staff recommendation as presented. Directors Carpenter and Anderson voted in favor, and Director Petersen was opposed.

Board Discussion and Action (March 27, 1981)

In the presentation of the proposed program, it was indicated that industry is expected to assist in the development of the program because of the lack of trained people in the field. Computer graphics might be an eventual area of specialization at the University of Oregon along with the information
aspects of computing. It was explained that the latter is a much broader field than computer science alone. Dr. Hedetniemi again emphasized that duplication is not a factor in the Ph.D. programs at the two universities.

Mr. Petersen said the appearance of adding another degree in the face of the present legislative situation is inappropriate at this time. He said he would prefer to defer the matter to a later time when the financial situation is clearer.

Mrs. Carpenter mentioned that computer science is now basic to every department. Even though this might be true with or without the Ph.D. degree, the doctoral candidates in the proposed program would be capable of teaching basic courses, thus releasing the rest of the faculty for other teaching responsibilities. To refrain from approving the program because of possible perceptions with respect to it is a very narrow way of looking at something that seems to be in all respects very beneficial.

Mr. Petersen said he was not against the degree but was concerned about the reality of dealing with the political situation.

The motion to approve the program failed on a tie vote. Directors Anderson, Carpenter, Lomnicki, and Wyss voted in favor and Directors Batiste, Ingalls, Petersen, and Harms were opposed.

Mr. Ingalls explained that he had voted against the motion because he was concerned about duplicate programs at this particular time. Mr. Harms said he was reluctant to disapprove proposals because of adverse financial circumstances but nonetheless he believe it was a difficult time to begin a program that would be perceived as costing money or as an expansion.

Mr. Harms indicated that he was persuaded that he had cast his vote for the wrong reasons and was prepared to change that vote. He moved for a reconsideration of the request for authorization to offer an off-campus part-time program of studies leading to the BA/BS degree in liberal studies in the central Oregon region. He indicated that if the motion passed he would be prepared to make a similar motion with regard to the Ph.D. program in computer and information science at the University of Oregon.

The motion failed on a tie vote, with the following voting in favor: Directors Carpenter, Ingalls, Harms, and Wyss. Those voting no: Directors Anderson, Batiste, Lomnicki, and Petersen.

The president then instructed the secretary to place both items on the agenda for further consideration at the next Board meeting.

Board Discussion and Action (April 24, 1981)

The Board approved the Committee recommendation as presented to the Board on March 27, 1981. The following voted in favor: Directors Anderson, Batiste, Carpenter, Green, Ingalls, Lomnicki, Petersen, Warner-Yasuda, Wyss, and Harms. Those voting no: None.

Staff Report to the Committee

The complete request of the University of Oregon in the customary format is filed in the Board's Office. Included in the University's presentation are detailed statements concerning course of study, admission requirements, employment needs, relation to state needs for economic development, resources to offer program, and budgetary impact of the proposed program.

Nature of Program. Computer and Information Science deals with the body of knowledge concerned with the theory, concepts and methods involved in the structure, representation, storage, and processing of information, as well as the theory and operation of the systems which process information.
In addition to its program of instruction in support of the general educational programs of the institution (service function), the department presently offers BA/BS and two-year (60 credit hours) MA/MS degree programs in computer and information science, staffed by 10 full-time faculty members. Eighty-five students were enrolled in the master's degree program during 1979-80; 26 of the students completed the program and received the MS degree.

The department is prepared to offer a doctoral degree program with opportunities for specialization in five areas, namely: structure of information; analysis of algorithms; intelligent systems; programming languages; and computer in education. It is expected that when the program is fully mature it will have an enrollment of 15 students and will award 3 doctoral degrees each year. Most of the doctoral students will come from the pool of students admitted to the master's degree program.

The doctoral program will require a minimum of three years of full-time study beyond the baccalaureate degree. During the first year-and-a-half to two years the student will complete the equivalent of the 60-hour master's degree program.

During the second phase of the program, which will require approximately one year of work, the student will establish the area of specialization in which he will pursue dissertation research. This phase concludes with an area preliminary examination, passing of which admits the student to candidacy for the Ph.D. degree. At this time, he or she has completed formal course work and will concentrate on dissertation research. This phase concludes with presentation of the Ph.D. thesis and the awarding of the degree.

Objectives of the Program. The primary objective of the program is to offer students an opportunity for a level of training offering excellent employment opportunities in industry and in teaching, and be so doing to assist the state and the nation in meeting serious shortages which exist in persons prepared at the Ph.D. level in this field. This shortage is particularly acute in Oregon.

The secondary objective of the program is to conduct a program of research which will be of value to the state's industries, industries which may be attracted to the state, and other research programs of the University. The instruction and related research being proposed in this program have been designed to complement and supplement work being done in the Ph.D. program at Oregon State University, so as to strengthen rather than duplicate the state's resources in this field.

Need for the Program. The Board will recall that it has just completed a review of graduate programs in computer science presently offered in the State System institutions, i.e., the MA/MS and Ph.D. programs at Oregon State University and the MA/MS program at the University of Oregon.

In their report, the consultants brought in from out-of-state to conduct the review observed:

Computing and data processing are significant factors in both the economic and cultural life of this country, whose importance will continue to increase. In 1970, the cost of computing and data processing represented 1% of the gross national product. By 1976, this factor had grown to 4% and is projected to reach 12% by 1990. This rapid expansion of the computer-related industries has caused a great demand for highly trained computer professionals. Currently, there are more than a dozen positions for every graduating Ph.D. The demand for computer professionals in Oregon in particular is rapidly increasing due to the current and expected large influx of high technology companies from "Silicon Valley" in California. The University of Oregon and Oregon State University are the only two quality academic programs to serve this demand. An opportunity (and challenge) of great magnitude is thus offered.
In conclusion, the consultants strongly urged that the state establish a second Ph.D. program at the University of Oregon, both the complement and supplement the existing program at Oregon State University and to make better use of resources of the graduate program already developed at the University of Oregon, a program which the consultants ranked among the top 40 university programs in the United States.

**Resources to Offer Program.**

*Equipment.* The consultants noted a "critical lack of laboratory equipment for the graduate computer science program." Since the consultants' visit, the University has acquired two new large-scale computers (PDP-1090 and IBM 4341), and two new clusters of terminals located in the school of business administration and the department of economics. Several medium-scale computers in the departments of chemistry, physics, psychology, and biology, and the VAX minicomputer in the Institute of Molecular Biology are available to play a supporting role in the proposed program.

The department expects to acquire additional equipment needed to "enhance" the program through gifts and cooperative research projects with industry. The consultants supported this expectation, noting that, "once a program has reached maturity, has managed to attract good Ph.D. level students, and has adequate faculty to handle the teaching responsibilities and still do research, then the replacement of equipment with new equipment of the hands-on variety becomes largely self-sustaining through grants and contracts."

*Faculty.* The University of Oregon recognizes that the faculty resource in the department of computer science and information is stretched extremely thin, regardless of whether the Ph.D. program is inaugurated, and has taken steps to correct this problem, namely:

- The department has been authorized and is conducting a nationwide search for a new department head, to be appointed at the associate or full professor level, effective 1981-82. This faculty member will replace a younger faculty person who is leaving for a position in industry.

- The College of Arts and Sciences is committed to a reallocation of funds within the College to add one new faculty position to the department of computer and information science as soon as resignations/retirements make such a reallocation possible.

- Effective immediately, steps are being taken to control the number of majors in the department so that students can receive proper instruction under suitable conditions.

*Library.* The most important library resources in new and rapidly developing fields such as computer and information science are found in journals and periodicals. The University library has been able to maintain its subscriptions to the most important journals in this field.

*Students.* The consultants expressed disappointment in the quality of students in the graduate programs in computer science at the University of Oregon. They urged that greater effort be made at both the University of Oregon and Oregon State University to encourage good Oregon students to enter graduate study in this field. Addition of a doctoral program at the University of Oregon, as was suggested, would make the University's graduate program more attractive to the very best students, both in Oregon and out-of-state, than is possible with a master's degree program only.
Budgetary Impact. The University of Oregon places high priority on inauguration of this program and will make budgetary adjustments within the College of Liberal Arts as indicated above.

Impact on Other Programs in the State. Copies of the University of Oregon proposal have been mailed to other colleges and universities in the state, public and independent. Those responses received have been uniformly favorable.

The only other graduate programs in the state in this area are the MA/MS and Ph.D. programs at Oregon State University. The new chairman of the department of computer science at Oregon State University, Dr. Fred M. Tonge, has reviewed the University of Oregon proposal, and strongly supports the establishment of the program. Among the points made by Dr. Tonge are:

There is no question of the national and state-wide need for Ph.D.'s in Computer Science, as documented in the UO proposal. Organizations in Oregon are hiring far more computer scientists than the state is producing, and the same under-production is true on a national scale. Any attempt to increase the number of quality doctoral programs should be supported.

The course of study proposed for the doctorate seems sound, with an adequate number of courses to begin a program. The number of faculty listed seems minimal to start a program with five areas of concentration. Perhaps, in fact, not all areas will be highly active immediately. Based on my contact with them, I believe that the quality of the UO faculty is quite high, and that they can certainly conduct a respectable program.

Certainly there will be some (friendly) competition between the programs at UO and OSU for students and for faculty, but I believe that such competition will benefit both programs. At the same time, both departments are committed to continuing their past spirit of cooperation.

Mr. Harms reported that a joint meeting of the State Board of Education, the State Board of Higher Education and the Oregon Educational Coordinating Commission had been held on the evening of April 23, 1981. He indicated that the following statement had been adopted by the 22 members in attendance from the three groups with only two dissenting votes:

Public education in Oregon is approaching a financial crisis because of probable cuts in state and federal aid to education.

The Governor's proposed budget leaves public schools, community colleges and four-year institutions millions of dollars short of what is needed just to maintain current programs. Some school districts may not even be able to complete this school year. The anticipated additional 10 percent reduction that would be necessary if additional revenue measures are not passed by the legislature would seriously limit our ability to provide the most basic education needs in Oregon.

Meanwhile, Congress is considering cuts in federal aid to education proposed by the President. These cuts include rescissions in funding expected for the next school year. Many of these dollars have already been budgeted because of forward funding.

Together, these state and federal cuts would deal a double blow to education in this state.
Therefore, the State Board of Education, the State Board of Higher Education and the Oregon Educational Coordinating Commission ask the Legislature to support the additional revenue needed to balance the Governor's budget and request that our Congressional delegation reject the rescissions.

Upon motion by Mr. Ingalls, the Board reaffirmed the action taken at the joint meeting, with the following voting in favor: Directors Anderson, Batiste, Carpenter, Green, Ingalls, Lomnicki, Petersen, Warner-Yasuda, Wyss, and Harms. Those voting no: None.

Mr. Harms said that it would be beneficial to the morale of Western Oregon State College if the Board were to take some action on its position with regard to further discussion of the closure of that institution. He commented that the Educational Coordinating Commission and the Governor had expressed the view that closures of institutions would not be an appropriate solution to present financial problems. It was suggested that the University of Oregon Health Sciences Center and Eastern Oregon State College also should be included.

After some discussion as to the advisability of making any statement and suggestions for possible wording, it was agreed that a proposed statement should be presented to the Board at its May meeting.

The Board approved the motion by Mr. Petersen that the staff be directed to prepare a statement for the Board's consideration which would express the Board's position that it was opposed to considering closure of any institutions as a solution to the present fiscal crisis. The following voted in favor: Directors Anderson, Batiste, Carpenter, Green, Ingalls, Lomnicki, Petersen, Warner-Yasuda, Wyss, and Harms. Those voting no: None.

Mrs. Green said she had received information on student financial aid from federal sources and the information did not agree with the figures given to the Board. She asked that there be some reconciliation of these figures. She said the amount of student financial aid was important to her thinking in terms of tuition.

She also reported information on the default rate in student loan programs, particularly the National Defense Student Loan Program. The figures seemed to indicate a wide variation among institutions in the default rate. She asked that the staff determine the actual situation for discussion at the May meeting. She said the Board has a responsibility to see whether the default rate could be reduced. Mrs. Green said she had received figures on assistance from the GI Bill and Social Security, the two largest programs in the State of Oregon. She said she had requested a breakdown for the tax-supported institutions and for private institutions.

Mr. Harms said concerns had been expressed from time to time as to whether the Board spends its time wisely in its deliberations and procedures. He asked that Board members consider the following subjects in preparation for a discussion at the May meeting:

1. Suggestions for improvements to the Committee structure and format—is the two Committee system with the alternate meeting dates preferable, should the Board meet only as a Committee of the Whole, or should it meet more or less time in committees?

2. Could improvements be made to the form of the summaries received from the staff, and if so, what would be proposed?

3. Extent and distribution of supporting material—what detail and should it be distributed on request, to everyone, or in some other manner?

4. Consideration of whether the present method, both in Committees and at the Board meeting, of the review of materials and the extent of non-Board participation in the reports is satisfactory or should be modified.
Mr. Harms indicated he would also request the Chancellor to present alternatives from the viewpoint of the staff.

In response to suggestions from other Board members, it was agreed that two other items would be included on an early agenda—the intercollegiate athletics statement reviewed in the Newport retreat and the State Board Position on Educational Governance and Coordination in Oregon.

ADJOURNMENT The Board meeting was adjourned at 11:50 A.M.

Wilma L. Foster, Secretary
Oregon State Board of Higher Education

Edward C. Harms, Jr., President

Wilma L. Foster, Secretary