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5-1-1979

Faculty Senate Chronicle May 1, 1979

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COMMENCEMENT EVENTS

All faculty are encouraged to participate in the 107th annual spring Commencement to be held at the Coliseum on Sunday afternoon, May 27, 1979 at 2:30 p.m. Late reservations for academic robes may still be accepted.

The 26th annual joint Army and Air Force Commissioning Exercises will take place on Saturday morning, May 26, 1979 at 11 a.m. in John S. Knight Auditorium. All members of the University family are invited.

The President's reception for the graduates, their families and their faculty will be from 3 to 5 p.m. on Sunday, May 20, 1979 in Thomas Hall.

The annual Alumni Banquet, with its award for Outstanding Teaching on campus, is scheduled for the West Hilltop Room, Gardner Student Center, Saturday night, June 9, 1979.

UNIVERSITY RECOGNITION LUNCHEON

The traditional University Recognition Luncheon, in the West Hilltop Room of the Gardner Student Center on Friday, May 11, 1979 at 12:30 p.m., will honor those faculty retiring this year. Those to be recognized are Dr. Frank V. Baldo, Mr. Michael Bezbatchesko, Dr. James F. Dunlap, Mr. James G. France, Dr. Elizabeth Hittle, Mr. Oliver Ocasek and Dr. Paul J. Uhlinger. Dr. C. F. Poston is Chairman. Reservations may be sent to Mr. Jack Huggins, Schrank Hall 153.

STANDING COMMITTEES FOR 1979-80

The Procedural Committee of University Council invites all faculty members to inform the Vice President and Provost by May 18 of any standing committee on which they would be interested in serving. The Procedural Committee will consider these assignments so that announcement of membership can be made in advance of the fall 1979 semester.

UNIVERSITY DATES

- May 1-11 Senior Art Exhibition, Guzzetta Hall Atrium Gallery.
- May 3-18 Exhibition of paintings by Jennifer Bartlett, Davis Art Gallery.
- May 4-6 Experimental Theatre—"Dirty Linen" and "New-Found-Land", Guzzetta Hall, 8:15 p.m.
- May 5 Concert by University Orchestra, Guzzetta Hall, 8:15 p.m.
- May 6 Choralfest—program by all University choral ensembles, Guzzetta Hall, 3 p.m.
Concert by University Symphony Band, Thomas Hall, 8:15 p.m.
- May 8 Akron Symphony Chorus and Chamber Chorale, Guzzetta Hall, 8:15 p.m.
- May 10 University Council meets in Leigh Hall, 307, 3 p.m.
- May 11-13 University Opera Workshop presents "The Marriage of Figaro", Thomas Hall, 8:15 p.m.
- May 13 Program by University Concert Band, Guzzetta Hall, 3 p.m.
- May 18-19 Ohio Ballet, Thomas Hall, 8:15 p.m.
- May 20 President's Reception for graduates of 1979, Thomas Hall, 3-5 p.m.
- May 26 Joint Army and Air Force Commissioning, John S. Knight Auditorium, 11 a.m.
- May 27 Annual spring Commencement, Coliseum, 2:30 p.m.

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MINUTES OF MEETING OF UNIVERSITY COUNCIL, April 19, 1979

The regular meeting of University Council was called to order by the Chairman, Vice President Noel Leathers, at 3 p.m. on Thursday, April 19, 1979, in Leigh Hall 307.

Fifty-one of the 66 members of the Council (including one ex officio) for the balance of the 1978-79 year (one representative from Associated Student Government resigned), were present. Those absent with notice were Dr. C. Carrino, Dr. L. DeYoung, Dr. A. Fatemi, Dr. G. Knepper, Dr. W. Rogers, and Dean R. Weyrick. Others absent were Miss L. Ayers, Dr. J. W. Dunlap, Dr. G. Knieter, Mr. M. Maley, Mr. W. Medley (new Student Bar Association representative), Mr. J. Mercer, Mr. D. Morell, Mr. D. Robinson, and Miss D. Young.

The Chairman, in calling for consideration of the minutes of the March 15, 1979 meeting of University Council as printed in the April 2, 1979 University of Akron Chronicle, noted that at the bottom of page 17, under "Bachelor of Arts in Foods and Nutrition", two courses should have been deleted from the list under Option II—3700:100 and 3850:150.

Dr. Lehrman asked that his comments mentioned on page 3 be expanded to indicate that "many of the courses did fall within the Arts although not all of them did. He stated that greater flexibility was to be desired and that students should be encouraged to broaden the cope of their curriculum whenever and wherever possible."

Dr. Gerlach objected to the reference to his remarks at the last meeting recorded on page 4 of the Chronicle, indicating "his unhappiness with the proposal..." and asked that this following replace that sentence: "Dr. Gerlach objected to the proposal because for an interdisciplinary approach the course was deficient without topics like religion; he questioned the merits of a proposal that was an opportunistic response to current political programs and the availability of foundation financing, and he opposed the diversion of students and university resources from legitimate, well-established and more valuable disciplines. Above all, he said, the focus of attention upon such a subject was dangerous and destructive; citing A. Solzhenitsyn's Harvard commencement address, he noted that a pre-occupation with individual rights 'has reached such extremes as to make society as a whole defenseless against certain individuals. It is time, in the west, to defend not so much human rights as human obligations' because 'Life organized legalistically has...shown its inability to defend itself against the corrosion of evil.'"

With these suggested amendments the Council approved the minutes as printed.

Dr. Poston then presented the list of potential graduates for the May 1979 Commencement. He moved that the list of all candidates (with the amendment), now before Council, for degrees at the May 1979 Commencement, be approved without addition, pending completion of all requirements, approval by their respective collegiate faculties, and approval by the University Board of Trustees. The motion was seconded and carried.

President Guzzetta spoke to the Council about the next meeting of the Board of Trustees, next Wednesday, which is the annual budget meeting when the salary contracts are approved. Although the Ohio General Assembly has not yet adopted its biennium budget, the University is going forward with a tentative one for 1979-80, despite the fact that many of the other state institutions are more cautious in their planning because of the state's fiscal uncertainties. The President referred to the various factors affecting the financial picture, such as enrollment, its mix, the changes proposed by certain legislators relative to state subsidy based on tuition charges and whether Akron (among the lowest in Ohio in tuition) can raise its tuition, etc. It will probably be the end of June before the legislature adopts its budget. Dr. Guzzetta mentioned that Akron is somewhat lower in its transfer students, and he continues to be concerned about our lack of flexibility in attracting students who are in a buyer's market.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 4/19/79, continued

In the question period, Dr. Gerlach asked if the Board of Trustees had taken any action on the mandatory retirement age, and the President responded that there had not been a recent meeting of the Educational Policy Committee to consider the matter.

Mr. Nolte inquired whether the payments from the state to Kent State on its residence hall indebtedness would come out of the Ohio higher education budget, and learned that they would.

With the conclusion of these comments, the President left for another meeting.

The first report for Standing Committees was given by Dr. Schultz for the Procedural Committee. It had met on April 4 to determine the agenda for today's meeting, and to approve the incorporation of minor corrections in the minutes of the preceding Council meeting.

On behalf of the Academic Policies, Curriculum and Calendar Committee, Dr. Poston referred to the summary of curricular changes now before the Council. He moved the approval of AS-79-16 from the Department of Economics, which was brought to Council only because of an earlier objection. The motion was seconded and carried. [All curriculum changes will be included in the Appendix to these minutes.]

Dr. Poston then moved the approval of AS-79-23 which would provide for a Graduate Certificate in Public Policy (through the Department of Political Science). The motion was seconded and carried.

Dr. Poston moved the approval of AS-79-26 which would provide three options for the Bachelor of Science in Computer Science. The motion was seconded and carried.

Dr. Poston moved that Council approve the addition of three levels of courses in the Department of Philosophy as presented in AS-79-27. The motion was seconded and carried.

Dr. Poston moved the approval of the Option in Labor and Industrial Relations in the Master of Arts in Economics program (AS-79-30). The motion was seconded and carried.

Dr. Poston presented the proposal (AS-79-31) from the Department of Biology which incorporated several recommendations. He moved their adoption. The motion was seconded. The course changes in the Medical Technology program are to be effective Summer Session I, 1979. Another part of the proposal would change the M.S. degree requirements in biology as follows: From "Participation in seminars and demonstration, prior to last quarter of enrollment of reading proficiency in a foreign language appropriate to the field of study is required" to "Participation in seminars is required. The demonstration of reading proficiency in a language appropriate to the field of study may be required on the recommendation of the student's advisory committee."

Dr. Gerlach again opposed "the erosion of foreign language requirements at the graduate level". He was sure that the "student's advisory committee" would not require it.

The motion to approve the entire AS-79-31 proposal was put to a vote and carried.

Dr. Poston moved the approval of the Graduate Certificate Program in Life-Span Development: Adulthood and Aging, as outlined in VP-79-2. The motion was seconded and carried.

Dr. Poston then presented the recommendation of the Academic Policies Committee to change the third word ("should") to "shall" in the Faculty Manual, page 31, Article B. "The Faculty: General Personnel Policies", Section 16, "Guidelines for Promotion, Tenure, Retention and Initial Appointment", Paragraph 1.a. He moved its adoption, and it was seconded.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 4/19/79, continued

Dr. Brittain questioned the footnote wording, "where appropriate" (part of the phrase "Or division or college, where appropriate", which was indicated by an asterisk after the opening sentence of the paragraph, "Each department* should have a set of procedures concerning promotion, tenure, retention, and initial appointments"). He said that some faculty members thought that the College's guidelines should supersede those of a department. Dr. Leathers felt that this wording was meant to apply where there were no departments in a College or where a College might be organized in divisions rather than departments. He opined that no double meaning was intended.

Dean Samad, who was asked by the Provost for his interpretation, replied that some ambiguity might be possible, but that the campus usage clarified it as Dr. Leathers had stated.

The motion to substitute "shall" for "should" in paragraph 1. a. was put to a vote and carried.

Dr. McGucken moved to add the words, "and shall follow" after the fourth word of paragraph 1. a. The motion was seconded. He explained that he felt it important that departments be obligated to enforce such procedures.

Dr. Drennon saw no reason for the addition of these words, remarking that anyway "the trouble seemed to be down around the asterisk region".

The motion to add the three words, "and shall follow", was put to a vote and failed.

Dr. Gerhart moved to amend the asterisked statement by changing the current "where appropriate" to "where departments do not exist". The motion was seconded.

Dr. Roberts considered this unfair to the Community and Technical College which has divisions instead of departments.

Dr. Bee offered a friendly amendment which was accepted, so that the entire current asterisked statement would read, "Or division in colleges where there are no departments, or colleges or schools where there are neither departments or divisions." The motion was put to a vote and carried.

Dr. Bruce Holland distributed to Council proposed amendments to Section 16 of the Faculty Manual, paragraphs 1. a. and 1. b. and the addition of 1. c. The change in 1. a. had already been voted, which was to substitute "shall" for "should". The proposed change in 1. b. was for a similar replacement of "should" by "shall". Dr. Lehrman declared that the intention was for consistency.

Dr. Gerhart inquired whether this implied that each department would be required to prepare its own procedures, or whether they could be adopted or borrowed from other sets of guidelines already available. He considered this proposed provision unnecessary.

Dr. Poston recommended no action, at least until some pending litigation had been completed. Mr. Finan thought this would not be a factor as litigation would be based on regulations in force at the time of the incident, and it is important now to consider the impact of the language.

Dr. Brittain moved to refer the matter to the Academic Policies Committee. The motion was seconded.

Dr. Roberts observed that this had already been discussed in the Academic Policies Committee which had agreed only to the recommendation for substituting "shall" in paragraph 1. a.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 4/19/79, continued

It was Dr. Lehrman's contention that "should" created more ambiguity.

Dr. Holland opposed the referral, stating that his purpose was to have things obligatory yet flexible, but the decision should be Council's.

Dr. Brittain said he would like to have the Academic Policies reconsider, and then give Council its reasons for the decision.

Dr. Roberts reminded Council that the Academic Policies had considered many alternatives and agreed that the departments should have a certain amount of freedom and not be mandated.

Dr. Drennon compared the situation to that of the federal government and the states with certain independence within their borders.

The motion to refer back to the Academic Policies Committee was defeated.

The motion to amend paragraph 1. b. by the substitution of "shall" for "should" was put to a vote and carried.

Dr. Holland then moved the adoption of a new paragraph 1. c. which would read, "Procedures shall be prepared with special attention to clarity and fairness. The rights and responsibilities of chairmen, committees, and candidates shall be specified." The motion was seconded. Dr. Holland explained that he had preferred to amend paragraph 2 but with its contents so disparate, he thought his proposed new 1. c. would satisfy.

Dr. Dye urged the rejection of the proposed 1. c. as he felt it might not be applicable campus-wide.

Mr. Jamison had supported the amendments to paragraphs 1. a. and b., but agreed with Dr. Dye in objecting to an attempt to legislate such qualities. He felt no need for 1. c. and opposed it.

Dean Samad joined those in opposition to the proposed amendment as unnecessary.

Mr. Finan cited the different aspects covered in paragraph 2, and advocated a reconsideration of the entire paragraph later. Dr. Gerhart observed that the Academic Policies Committee had preferred not to review paragraph 2 at this time.

The motion to adopt a new paragraph 1. c. was put to a vote and failed.

Mr. Monroe then reported for the Campus Facilities Planning Committee. He was pleased with the more than 70 responses to the request from the Committee to faculty and staff for recommendations and comments about campus facilities, and mentioned some of the remarks concerning recommendations for changes in present and future buildings. The University Architect, Mr. Ryan, is now reviewing the replies.

Dr. McGucken, chairman of the Library and Learning Resources Committee, told the Council that the budget subcommittee is considering next year's allocations.

Mr. Jamison, the Akron representative on the Faculty Advisory Committee to the Chancellor of the Ohio Board of Regents, said that no meeting had been scheduled for April.

MINUTES OF MEETING OF UNIVERSITY COUNCIL, 4/19/79, continued

Dr. Slaughter reported that there still has been no meeting of the Ohio Faculty Senate.

Under "New Business" Dr. Gerlach spoke again on the importance of foreign language study. Since its requirement in advanced study seems to be eroding, he had been advised to advocate its requirement at earlier levels. He noted statements nationally that many jobs are lost to Americans overseas because of their lack of familiarity with foreign languages. He therefore moved that the Academic Policies, Curriculum and Calendar Committee undertake a study of the ways and means of introducing foreign language requirements for all students at the General College level, and that the Committee report its findings and recommendations to the Council no later than November 1, 1979. The motion was seconded.

Dr. Dye wondered if it might be more appropriate for the Department of Modern Languages to expand its offerings and requirement.

Dr. Gerlach was of the opinion that the Department might fear accusation of self-interest. He thought a Council committee could join other groups for this study, and that perhaps subcommittees might be assigned or that the President and/or the Procedural Committee might involve other segments of the campus in this project.

Dr. Saslaw noted that the faculty is not completely represented on campus in the summer and that November first could be too early for sufficient study and report.

Dr. Gerlach advocated immediate implementation of the committee so that it would be thinking and formulating plans for the study.

Mr. Allan suggested that the study, as mentioned in the motion, might be too narrow. Besides "ways and means" the charge might include scope and feasibility.

Dean Barker, while recognizing the importance of foreign language, opposed the general requirement. He stressed the value of preparing those who take a foreign language so that they demonstrate real proficiency and practical use of the language.

Dr. Gerlach stated that his conception of "ways and means" related to the academic, since Council had been told often that campus financial provisions are not within its jurisdiction. It was not his intention to make restrictions, but to have the study made and for Council then to act on the committee's recommendations.

Dr. Bee asked to make a friendly amendment by adding the word "merits" to the motion. This was accepted and the motion as amended was put to a vote and carried. It now reads: "That the Academic Policies, Curriculum and Calendar Committee undertake a study of the merits, ways and means of introducing foreign language requirements, for all students at the General College level, and that the Committee report its findings and recommendations to the Council no later than November 1, 1979."

The meeting was adjourned on motion at 4:15 p. m.

Any comments concerning the contents of The University of Akron Chronicle may be directed to the Office of the President or to the Executive Director of University Relations and Communications.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, April 19, 1979

CURRICULUM CHANGES

The following curriculum changes, in accordance with the Curricula Change Process adopted by University Council on December 12, 1974, have had final approval by the Vice President and Provost, or through specific vote by University Council, all effective September 1979 (unless otherwise indicated):

BUCHTEL COLLEGE OF ARTS AND SCIENCES

Department of Biology

[AS-79-31]

Change Requirements for the Master of Science degree in Biology (page 152 of General Bulletin, 1978-79), under "1. Research Option", to have these two substitute statements:

Research and thesis, minimum of six credits.

Participation in seminars is required. The demonstration of reading proficiency in a language appropriate to the field of study may be required on the recommendation of the student's advisory committee.

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| Change pre-requisites or description | 3100:331 | <u>Microbiology</u> . 4 credits. Add to prerequisites: 3150:202 or equivalent. |
| | 3100:495 | <u>Special Topics in Biology</u> . 1-3 credits. Change to read: May be repeated. A maximum of 6 credits may be applied to requirements for a major. |
| | 3100:695 | <u>Special Topics in Biology</u> . 1-3 credits. Change to read: Prerequisite, permission. May be repeated. [Delete "for a maximum of four hours"] |
| | 3100:697-698 | <u>Seminar in Biology</u> . 1 credit each. Replace description with: May be repeated. Attendance at all departmental seminars and presentation of a seminar based on original research by the student. Required of all thesis option students who shall present their thesis research. |
| | 3100:699 | <u>Master's Research</u> . 1-6 credits. Change to read: May be repeated. A minimum of 6 credits is required for thesis option students. |
| Add | 3100:192 | <u>Biology of Aging</u> . 3 credits. Prerequisite, 3100:112 or 3100:265 or equivalent. Introduction to anatomical and physiological changes occurring in the organ systems of man during the aging process; the cellular basis for these changes; biological theories of aging. This course will not satisfy the Natural Science requirement. |
| | 3100:499 | <u>Senior Honors Program in Biology</u> . 1 to 3 credits. May be repeated to a maximum of 5 credits. Prerequisite, senior standing in the University Honors Program and approval of the Honors Preceptor. Open only to Biology majors who are enrolled in the University Honors Program. The course involved independent study leading to the completion of an approved Senior Honors Thesis which reflects a high degree of scholarship. |
| | 3100:494-594 | <u>Workshop in Biology</u> . 1-3 credits. Prerequisite, permission of instructor. Group studies of special topics in Biology. May not be used to meet undergraduate or graduate major requirements in Biology. May be used for elective credit only. May be repeated. |

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Biology, continued

Add 3100:438-538 Hematology. 4 credits. Prerequisite, 3100:437-537 or permission of instructor. A quantitative and qualitative evaluation and interpretation of the formed elements of the blood including a study of hereditary, metabolic, nutritional, inflammatory, immunologic and neoplastic diseases encountered in the field of hematology. Lecture and laboratory.

3100:484-584 Pharmacology. 3 credits. Prerequisite, 3100:311, college level physiology also recommended. The interactions of drugs and living systems with emphasis on molecular and cellular mechanisms of action, drug metabolism and excretion, and selected aspects of environmental toxicology. Clinical aspects and specific drug therapies will not be considered in detail.

3100:686-687 Research in the Biology of Aging. 3 credits each. Sequential. Prerequisite, graduate standing in Biology of "by approval" in related fields. An introduction to research techniques in the study of the biological aspects of aging and experience in a special research project in the field.

3100:688 Principles of Transmission Electron Microscopy. 3 credits. Prerequisite, 3100:311 or 3100:681 or equivalent. An introduction of modern cytological methods using the transmission electron microscope. A portfolio is required to demonstrate proficiency in fixation techniques, the use of the ultramicrotome, the use of the light and electron microscopes, and related darkroom techniques.

Change Credits 3100:311 Cell Biology. From 2 to 3 credits.

Change The following changes and course additions in the Medical Technology Program are to be effective Summer Session I, 1979, and apply only to students selected for the clinical internship training program:

The last two sentences in the second descriptive paragraph in the General Bulletin under "Medical Technology" are to be deleted. They are: "Students majoring in Medical Technology in this University are not required to have their transcripts evaluated by NAACLS before entering the clinical (laboratory/hospital) phase of their program. This exemption by NAACLS from the transcript evaluation requirement does not imply any approval or accreditation of the medical technology curriculum in this institution."

Add 3120:401 Special Topics Laboratory Management, Education and Safety. 1-4 credits. (A minimum of 1 credit required for graduation) Seminars, lectures, and workshops in areas of Medical Technology not included in the formal clinical courses.

3120:410 Clinical Analysis of Urine and Other Body Fluids I. 1 credit. Prerequisite, 3100:361, 362, or equivalent. Physiology of renal system; theory of renal functions in health and disease states. Theory of other fluid systems in the diagnosis of disease.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Biology, continued

Add	3120:411	<u>Clinical Analysis of Urine and Other Body Fluids II. Practicum.</u> 1 credit. Prerequisite, 3100:361, 362 or equivalent. Renal function tests to include chemical and microscopic examination of urine. Methods of detection of chemical and cellular elements of other body fluids.
	3120:420	<u>Clinical Chemistry and Biochemistry I.</u> 4 credits. Prerequisites, 3150:201-202 and 3150:335-336 or equivalent; 3100:383-384 or equivalent. Concepts of clinical biochemistry; identification and quantification of specific chemical substances in body fluids in normal and disease states; principles of instrumentation and quality control.
	3120:421	<u>Clinical Chemistry and Biochemistry II. Practicum.</u> 4 credits. Prerequisites, 3150:201-202 and 3150:335-336 or equivalent; 3100:383-384 or equivalent. Clinical application by various analytical techniques; clinical correlation of results with disease states.
	3120:430	<u>Clinical Hematology I.</u> 2 credits. Prerequisites, 3100:361-362 and 3100:311 or equivalent. Theory of blood cell formation; identification of blood and bone marrow cells; differentiation of erythrocytes, leukocytes, and morphology in health and disease.
	3120:431	<u>Clinical Hematology II. Practicum.</u> 2 credits. Prerequisites, 3100:361-362 and 3100:311 or equivalent. Clinical application and practice of blood cell counting procedures using automated and manual techniques.
	3120:432	<u>Clinical Coagulation.</u> 1 credit. Prerequisites, 3100:361-362 and 3100:311 or equivalent. Theory of coagulation mechanisms and their relationship to disease states. Emphasis on identification of coagulation deficiencies and abnormalities.
	3120:440	<u>Clinical Immunohematology I.</u> 2 credits. Theory of the principles of immunology as applied to blood grouping and cross matching, blood components; transfusion; principles of blood collection, processing, and preservation.
	3120:441	<u>Clinical Immunohematology II. Practicum.</u> 2 credits. Clinical application of theory; cross matching; blood donors; blood bank management.
	3120:450	<u>Clinical Immunology I.</u> 1 credit. Antigens and antibodies and their interaction in disease states.
	3120:451	<u>Clinical Immunology II.</u> 1 credit. Qualitative and quantitative serological laboratory procedures in immunology.
	3120:460	<u>Clinical Microbiology I.</u> 4 credits. Theory of diagnosis of medical microbiology with emphasis on pathogenic bacteria and their relationship to disease.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Biology, continued

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| Add | 3120:461 | <u>Clinical Microbiology II</u> . Practicum. 4 credits. Isolation and identification of pathogenic bacteria, media making, sensitivity and anti-microbial agents, principles of sterilization, and asepsis. |
| | 3120:462 | <u>Clinical Mycology</u> . 1 credit. Study of the pathogenic fungi, basic methods of cultivation, and identification, treatment and safety precautions. |
| | 3120:463 | <u>Clinical Parasitology</u> . 1 credit. Study of the parasites common to man, life cycles, and relationship to man, procedure for handling and examining, identification by morphological characteristics. |

Department of Economics

[AS-79-16]

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| Add | 3250:435-535 | <u>The Development of American Corporate Structure</u> . 3 credits. Traces the evolution of American corporate structure from the late 19th century to the present day. Explains and analyzes the changing dimensions of corporate structure and the response of the government. Case studies will be analyzed. |
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[AS-79-30]

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| Add | 3250:610 | <u>Framework of Economics Analysis</u> . 3 credits. Prerequisite, graduate standing. Development of the theoretical and analytical framework for decision-making. Also, applications of the framework to situations concerning demand, cost, supply, production, price, employment, and wage are discussed. |
| | 3250:636 | <u>Collective Bargaining II</u> . 3 credits. Prerequisite, 635 or permission of the instructor. The process of negotiation is examined. The core of the course in an actual contract negotiation. The students will decide on issues, positions, and tactics then negotiate a contract. |
| | 3250:673 | <u>Labor Law II</u> . 3 credits. Prerequisite, 3250:635. Intensive study of selected aspects of current labor legislation affecting the employer-employee relationship. Special focus on arbitration law, public sector bargaining law, and employment discrimination. |
| | 3250:639 | <u>Public Employee Collective Bargaining</u> . 3 credits. Prerequisite, 635 or permission of the instructor. The unique problems of public employees under collective bargaining agreements are examined. Course will focus the legal framework, tripartite nature of negotiations and special situations facing public employees. |

Add Option in Labor and Industrial Relations to the Master of Arts in Economics Program

Program

The following five courses constitute the core material:

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|----------|---|
| 3250:526 | <u>Statistical Applications</u> . |
| 3250:610 | <u>Framework of Economic Analysis</u> . 3 |
| 3250:633 | <u>Theory of Wages and Employment</u> . |
| 3250:634 | <u>Collective Bargaining I</u> . |
| 3250:635 | <u>Labor Law I</u> . |

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Economics, continued

Option in Labor and Industrial Relations, continued

The following two courses are required for students pursuing the Industrial Relations Track:

3250:636 Collective Bargaining II. 3

3250:637 Labor Law II. 3

The following course is required for students pursuing the Labor/Manpower Track:

3250:531 The Economics of Human Resources.

Electives

The following courses can be used for elective credit:

3250:606 Public Finance.

3250:615 Industrial Organization.

3250:616 Antitrust Policy.

3250:617 Government Regulation of Business.

3250:639 Public Employee Bargaining.

3750:610 Industrial Psychology.

3850:649 Sociology of Work.

Other electives may be substituted for the above to meet special student needs.

Requirements

Thirty credits (10 courses) are required for the degree. The student must maintain a minimum of a 3.0 grade point average and fulfill the requirements of the Graduate School.

Qualifications

A B. A. degree from an accredited college or university and some background in Labor and Industrial Relations. For interested students who have no background the Department and/or University offers the following bridge-up courses:

3250:201-202 Principles of Economics (Micro and Macro).

3250:330 Labor Problems.

3470:251-257 Introductory Statistics.

Department of Mathematics and Statistics

[AS-79-25]

Change

3450:427-527 and 428-528 Numerical Analysis I, II. 3 credits each
to

3450:427-527 Numerical Analysis I. 3 credits. Prerequisites, 3450:235 and either 3460:201 or 4450:206. Nonsequential. Mathematical analysis of numerical methods for interpolation, solution of algebraic equations, differentiation and integration, solution of ordinary differential equations and boundary value problems.

and

3450:428-528 Numerical Analysis II. 3 credits. Prerequisites, 3450:223 and either 3460:201 or 4450:206. Nonsequential. Mathematical analysis of numerical methods for approximation of functions, solution of systems of linear equations and eigenvalue problems, solution of systems of nonlinear equations, optimization of functions, and solution of partial differential equations.

3450:692 Mathematics and Statistics Seminar. 2 credits. Add to prerequisite: "May be repeated for a total of 4 credits."

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Mathematics and Statistics, continued

- Add 3460:460-560 Artificial Intelligence and Heuristic Programming. 3 credits. Pre-requisites, 3460:310 and 416. A study of various programs which have displayed some intelligent behavior. Rather than address the question, "Can computers think?", the level at which computers can display intelligence will be explored.
- 3460:470-570 Automata, Computability, and Formal Languages. 3 credits. Pre-requisite, 3460:418. A presentation of the theory of formal languages and their relation to automata. Topics include a description of languages; regular context-free, and context-sensitive grammars; finite, pushdown, and linear bounded automata; turing machings; closure properties; computational complexity, stack automata and decidability.
- 3460:475-575 Data Base Management. 3 credits. Prerequisite, 3460:210. Fundamentals of data base organization, data manipulations and representation, data integrity, privacy.
- 3460:491-591 Workshop in Computer Science. 1-3 credits. Group studies of special topics in computer science. May not be used to meet graduate or undergraduate requirements in mathematics, statistics, or computer science.
- 3460:489-589 Topics in Computer Science. 1-3 credits. Prerequisite, permission of instructor. (May be repeated for a total of six credits.) Selected topics in computer science at an advanced level.
- 3460:497-597 Individual Reading in Computer Science. 1-3 credits. Prerequisite, permission. Computer Science majors only. Directed studies designed as an introduction to research problems, under the guidance of a designated faculty member. May be repeated for credit.

Add Bachelor of Science Degree in Computer Science

Degree Curriculum Requirements

The Department of Mathematics and Statistics recommends that baccalaureate computer science majors be required to take thirty-seven (37) semester credits of computer science course work and a minimum of twenty-one (21) semester credits in one of the selected options listed. Three (3) options would be made available to computer science majors to plan a program which meets their individual needs. In addition, majors must satisfy the General Studies requirements and the second year of a foreign language.

Core Curriculum

A. Required Computer Science Courses (37 credits)

- 3460:201 Introduction to Fortran Programming. 2 credits
or
4450:206 Fortran Programming for Scientists and Engineers. 2 credits.
3460:210 Introduction to Computer Concepts. 3 credits.
4450:306 Assembler Programming. 3 credits.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued
Department of Mathematics and Statistics, continued
Bachelor of Science Degree in Computer Science, continued

One language from

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| 3460:202 | <u>Introduction to Cobol Programming.</u> 2 credits.
[6200:355 may be substituted] |
| 3460:203 | <u>Introduction to APL Programming.</u> 2 credits. |
| 3460:204 | <u>Introduction to PL/1 Programming.</u> 2 credits. |
| 3460:205 | <u>Introduction to Algol Programming.</u> 2 credits.
[When Pascal becomes available, <u>Introduction to Pascal Programming</u> will be substituted for Algol] |
| 3460:307 | <u>Applied Systems Programming.</u> 3 credits |
| or | |
| 4450:407 | <u>Systems Programming.</u> 3 credits. |
| 3460:416 | <u>Introduction to Data Structures.</u> 3 credits. |
| 3460:418 | <u>Introduction to Discrete Structures.</u> 3 credits. |
| 3460:420 | <u>Structured Programming.</u> 3 credits. |
| 3460:425 | <u>Introduction to Software Systems.</u> 3 credits.
Computer Science Electives. 12 credits. |

B. Area of Concentration Requirements (minimum of 21 credits)

Option 1: Mathematics

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| 3450:221 | <u>Analytic Geometry-Calculus I.</u> 4 credits. |
| 3450:222 | <u>Analytic Geometry-Calculus II.</u> 4 credits. |
| 3450:223 | <u>Analytic Geometry-Calculus III.</u> 4 credits. |
| 3450:312 | <u>Linear Algebra.</u> 3 credits. |
| 3450:428 | <u>Numerical Analysis II.</u> 3 credits. |
| 3470:450 | <u>Probability.</u> 3 credits. |
| or | |
| 3470:451 | <u>Theoretical Statistics I.</u> 3 credits. |

Option 2: Systems and Information Science

Modern University Mathematics—7 credits

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| 3450:114 | <u>Matrices</u> |
| 3450:115 | <u>Linear Programming.</u> |
| 3450:121 | <u>Analytic Geometry.</u> |
| 3450:122 | <u>Differential Calculus.</u> |
| 3450:123 | <u>Integral Calculus.</u> |
| 3460:125 | <u>Descriptive Computer Science.</u> |
| 3460:126 | <u>Basic.</u> |

Introduction to Numerical Methods—3 credits.

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| 3450:327 | <u>Introduction to Numerical Methods.</u> |
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Introduction to Statistics—5 credits.

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| 3470:251 | <u>Descriptive Statistics and Probability.</u> |
| 3470:252 | <u>Distributions.</u> |
| 3470:253 | <u>Hypothesis Testing (Parametric).</u> |
| 3470:255 | <u>Regression and Correlation.</u> |
| 3470:256 | <u>Experimental Design.</u> |

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Mathematics and Statistics, continued

Bachelor of Science Degree in Computer Science, continued

Operations Research —3 credits.

[To be added as already indicated in approved Computer Science Certificate Proposal, AS-77-23.]

Mathematics/Statistics/Computer Science Elective at 300/400 level. 3 credits.

Option 3: Business (Economics 3250:202 should be substituted as an option for Institutions)

Modern University Mathematics—5 credits.

3450:114 Matrices.

3450:115 Linear Programming.

3450:121 Analytic Geometry.

3450:122 Differential Calculus.

3450:123 Integral Calculus.

Introduction to Statistics—5 credits.

3470:251 Descriptive Statistics and Probability.

3470:252 Distributions.

3470:253 Hypothesis Testing (Parametric).

3470:255 Regression and Correlation.

3470:256 Experimental Design.

Other Business Courses

201 6200:202 Accounting I and II. 8 credits.

6400:371 Business Finance. 3 credits.

6500:301 Management: Principles and Concepts. 3 credits.

6600:300 Marketing Principles. 3 credits.

The term "Computer Science Elective" is defined as any 300/400 level course with a 3460 or 4450 number which is not required in the computer science program. Also, Business Information Systems—6200:454 (now being offered as Accounting Systems) is being restructured by the Accounting Department and will be accepted as a Computer Science Elective. Any 300/400 level course in another department may be used as an elective if its subject matter is essentially computer science and if the Head of the Department of Mathematics and Statistics approved the elective.

Change

Computer Science Certificate

The Computer Science Certificate Program is to be modified to require only the following courses for certification:

3460:201 Introduction to Fortran Programming. 2 credits.

or

4450:206 Fortran Programming for Scientists and Engineers. 2 credits.

One language from the following four (202-205):

3460:202 Introduction to Cobol Programming. 2 credits. [highly recommended]

3460:203 Introduction to APL Programming. 2 credits.

3460:204 Introduction to PL/1 Programming. 2 credits.

3460:205 Introduction to Algol Programming. 2 credits.

3460:420 Structured Programming. 3 credits.

3460:210 Introduction to Computer Concepts. 3 credits.

4450:306 Assembler Programming. 3 credits.

3460:416 Introduction to Data Structures. 3 credits.

Computer Science Elective. 3 credits.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/10/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued

Department of Philosophy

[AS-79-27]

Add	3600:280	<u>Sophomore Topics in Philosophy</u> . 1-3 credits. (May be repeated for a total of 6 credits.) Prerequisite, permission of instructor. Selected topics in Philosophy at the Sophomore level.
	3600:380	<u>Junior Topics in Philosophy</u> . 1-3 credits. (May be repeated for a total of 6 credits.) Prerequisite, permission of instructor. Selected topics in Philosophy at the Junior level.
	3600:390	<u>Junior Honors Colloquium</u> . 3 credits. Prerequisite, Junior standing in the University Honors Program or Junior Honors standing as a Philosophy Major or permission of instructor or nomination by a member of the faculty in Philosophy. Selected readings, research, writing and defense of one or more philosophical projects. A preparation and foundation for the Senior Honors Project in Philosophy.
	3600:490	<u>Senior Honors Project in Philosophy</u> . 1-6 credits. (May be repeated for a total of 6 credits.) Prerequisite, (a) <u>Junior Honors Seminar</u> 3600:390 or (b) Senior standing in the University Honors Program or (c) Senior Honors standing as a Philosophy Major or (d) permission of instructor or (e) nomination by a member of the faculty in Philosophy. Research leading to the completion of a Senior Honors Thesis involving original work meeting high standards of philosophical scholarship under the guidance of a member of the faculty.

Department of Political Science

[AS-79-23]

Add

Graduate Certificate in Public Policy

done

Requirements:

1. Admission: Persons shall be eligible for admission to the Graduate Certificate in Public Policy if they have been admitted to graduate study and are pursuing master's or doctoral degrees in the departments of Economics, Political Science, or Sociology. Students who are pursuing a graduate degree in other departments at The University of Akron may be admitted upon the recommendation of the Head of the department in which they are enrolled.

Students shall seek admission to this program by filing an application with either the Economics, Political Science, or Sociology departments. The student shall schedule courses with the assistance of an advisor in the department to which he or she has applied.

2. Core courses: Each student enrolled in the Graduate Certificate in Public Policy shall complete one of the following core courses: The Policy Process [3700:541] or Seminar in the Administrative Process [3700:670]. If possible, the student shall complete the core course before enrolling in other public policy courses.

3. In addition to the core course, each student shall complete at least four graduate level courses related to public policy from the areas listed below. Each person must complete at least one course in Economics and one in Sociology. When a student's intellectual interests or career goals suggest the need for a wider range of courses, he or she may, with the approval of the advisor, substitute other courses closely related to public policy.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued
Department of Political Science, continued
Graduate Certificate in Public Policy, continued

A. Economics

3250:531	<u>Labor and the Government</u>
3250:606	<u>Public Finance</u>
3250:616	<u>Economics of Regulation</u>
3250:617	<u>Anti-Trust Economics</u>
3250:635	<u>Labor Law</u>
3250:660	<u>Seminar in Regional Economics Analysis and Development</u>
3250:665	<u>Seminar in Economic Planning</u>
3250:683	<u>Monetary Theory and Policy</u>

B. Political Science

3700:515	<u>Comparative Foreign Policy</u>
3700:561	<u>The Supreme Court and Constitutional Law</u>
3700:580	<u>Urban Policy Problems</u>
3700:610	<u>Seminar in International Politics</u>
3700:641	<u>Seminar in Intergovernmental Relations</u>
3700:660	<u>Seminar in Civil Liberties and the Judicial Process</u>
3700:680	<u>Seminar in Urban and Regional Politics</u>

C. Sociology

3850:608	<u>Evaluation Research and Program Improvement</u>
3850:645	<u>Social Organization</u>
3850:646	<u>Social Stratification</u>
3850:647	<u>Urban Sociology</u>
3850:648	<u>Complex Organizations</u>
3850:649	<u>Sociology of Work</u>
3850:650	<u>Research in Community and Area Problems</u>
3850:679	<u>Political Sociology</u>
3850:686	<u>Population</u>
3850:687	<u>Social Change</u>

4. Students must successfully complete an interdisciplinary Seminar in Public Policy. Each student shall write and present a paper dealing with public policy during the seminar. Faculty members and other persons who have knowledge of the policy making process shall make appropriate presentations regarding the formulation and implementation of public policy.

5. All persons enrolled in the Graduate Certificate in Public Policy must successfully complete Internship in Political Science [3700:691], a course which will permit students to gain experience working with public officials, government agencies, political parties, or interest groups. Students will normally enroll in the Internship after having completed at least 12 semester credits of work relating to public policy. Persons with extensive administrative or governmental experience may be permitted, with the approval of their advisor, to substitute another course dealing with public policy in place of the Internship in Political Science.

6. At least two-thirds of the credits earned for this certificate must be in 600- or 700-level courses. No more than three courses in which the student enrolls of the seven required for the Graduate Certificate in Public Policy may also apply toward meeting requirements for a graduate degree at The University of Akron.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

BUCHTEL COLLEGE OF ARTS AND SCIENCES, continued
Department of Political Science, continued
Graduate Certificate in Public Policy, continued

7. Students must maintain at least a B (3.0) average in their course work for the certificate.

Certificate:

Upon completion of all requirements for this program and for the graduate degree which each student is pursuing, participants will be awarded a Certificate in Public Policy from the Graduate School of The University of Akron, and a note of the receipt of this certificate shall be entered on the student's transcript upon his or her request.

COLLEGE OF FINE AND APPLIED ARTS

Department of Home Economics and Family Ecology
[FA-79-9]

Add	7400:331	<u>Applied Home Furnishings.</u> 3 credits. Prerequisites, 7400:158, 123. A lab course designed for students to apply knowledge of home furnishings principles specifically in the following areas: drapery making, reupholstering/slipcovering, and accessory construction.
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Department of Theatre Arts and Dance
[FA-79-8]

Drop	7800:379	<u>Theatre Laboratory.</u> 1 credit.
	7800:430	<u>Review and Criticism of the Performing Arts.</u> 2 credits.
	7800:439	<u>Practicum in Theatre Arts/Dance.</u> 1-12 credits.
	7800:460-560	<u>Dramatic Criticism.</u> 3 credits.
	7800:466-566	<u>Advanced Problems in Lighting.</u> 2 credits.
	7800:664	<u>Seminar: Commedia dell'Arte.</u> 2 credits.
	7800:697	<u>Graduate Research in Theatre Arts.</u> 1-6 credits.
Change Title, description	7800:665 to 7800:665	<u>Seminar: Theatre Audience.</u> 2 credits.
		<u>Theatre Audiences: Research and Analysis.</u> 2 credits. An examination of both quantitative and qualitative methods of researching today's audience for live theatre, including the use of computer-assisted methodology. Research projects, team-taught.
Change description	7800:261	<u>Introduction to Theatre.</u> 3 credits. Complete new description to read as follows: "Aesthetics of theatre—stage theatre, opera theatre, musical theatre, dance theatre—and to some extent media theatre—with attendance at campus productions required." Extra credit for production work.
Add	7800:119	<u>Introduction to Contemporary Dance I.</u> 2 credits. A course for novice dancers and teachers wishing to use a dance vocabulary for expressiveness and enhancement of rhythmic and creative movement. Presents dance as an organic technique which trains coordination through development of locomotor skills.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Theatre Arts and Dance, continued

Add	7800:120	<u>Introduction to Contemporary Dance II.</u> 2 credits. Prerequisite, 7800:119 and permission of instructor. A continuation and expansion of materials presented in 7800:119. Focus on expansion of dance movement vocabulary, with emphasis on shape and form of movement.
	7800:225	<u>Dance as an Art Form.</u> 2 credits. A survey of dance for the novice observer: aesthetics, philosophies, methods of training. Lecture and discussion of readings, viewing of film, videotape, and live performances.
	7800:330	<u>Theatre Arts/Dance Participation.</u> 1 credit. Prerequisite, permission. Participation in theatre/dance activities, including practical laboratory experience. Course is optional for dance majors, but required for theatre majors. Two of the four credits required for theatre majors must be in technical theatre projects. (May be repeated to 4)
	7800:335	<u>Introduction to Stage Costume History and Design.</u> 3 credits. The study of historical civilian and theatre dress. Costumes are designed for each historical period in class. Period patterns are drafted and constructed during designated lab hours.
	7800:336	<u>History and Construction of Period Furnishing for the Stage.</u> 3 credits. A survey of historic furniture and hand prop styles, with an emphasis on practical stage applications. A study of prop construction materials and techniques (wood, steel, foams and plastics, basic welding, upholstery, joinery, finishing methods).
	7800:403	<u>Special Topics in Theatre Arts and Dance.</u> 2 credits. (Repeatable, but no more than 10 credits may be applied toward the B.A. degree) Prerequisite, junior standing. Traditional and nontraditional topics in theatre arts/dance, supplementing courses listed in the <u>General Bulletin</u> . Repeatable as different subject areas are covered.
	7800:428	<u>Dance Repertoire.</u> 2 credits. (Repeatable to 12) Prerequisite, completion of Ballet Technique I and permission of the instructor. A course designed to acquaint dance students with classic and contemporary dance repertoire, both original works and reconstructions.
	7800:435	<u>Advanced Problems in Stage Costume Design.</u> 2 credits. Prerequisite, 7800:335. An advanced study of problems confronting the costume designer. The concept of style is explored through several design assignments, ranging from large cast musicals to opera to dance to Shakespearean drama. Laboratory hours required.
	7800:464	<u>Stage Lighting.</u> 3 credits. This course outlines the history, theories, and practices of stage lighting. Among the areas discussed are colored light and color theory; electricity and electrical safety; dimming control systems; other aspects of the craft of effective stage lighting.

APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

COLLEGE OF FINE AND APPLIED ARTS, continued

Department of Theatre Arts and Dance, continued

Add	7800:465	<u>Advanced Problems in Lighting.</u> 2 credits. Prerequisites, 7800:464 and permission of instructor. An advanced study of problems confronting the lighting designer and technician. The emphasis is on application of color theory, aesthetic background, and designing for the thrust, proscenium, and experimental stages.
	7800:603	<u>Special Topics in Theatre Arts/Dance.</u> 2 credits (Repeatable, but maximum of 8 credits to apply toward M.A. degree) Traditional and experimental topics in theatre and dance, supplementing courses listed in the <u>General Bulletin</u> , and generally constructed around areas of special interest to the student. Repeatable as different subject areas are covered.
	7800:658	<u>History of Technical Production.</u> 3 credits. A history of technical production utilizing pictorial materials and models to study the evolution of the physical stage; scene changing devices; and stage machines. A term paper or project required.
	7800:659	<u>History and Theory of Stage Lighting.</u> 3 credits. An historical survey of the evolution of stage lighting culminating in an understanding of modern lighting design skills and their practical application. A term paper or major project required.
	7800:661	<u>Seminar in Stage Costume Design.</u> 3 credits. Prerequisite, an undergraduate costume design course or permission of instructor. The study and discussion of special interests in Costume Design: costumes for the musical or opera theatre, research of specific period costume patterns, textile modification, portfolio projects, research of noted designers.
	7800:662	<u>Seminar in Scene Design.</u> 3 credits. Prerequisite, 7800:364 or an undergraduate scene design course or permission of instructor. Specialized study and discussion of problems in scene design: Portfolio projects, research of noted designers, studies of theatre spaces, new scenographic materials, use of various rendering media.
	7800:690	<u>Graduate Research/Readings.</u> 1-3 credits (Repeatable to 6). Prerequisite, permission. Individual research of independent readings under the supervision of a member of the departmental graduate faculty.

COMMUNITY AND TECHNICAL COLLEGE

Division of Associate Studies

[CT-79-12]

Add	2020:130	<u>Math for Public Service/Health Technology.</u> 3 credits. Elements of basic algebra; operations on signed numbers and polynomials; solutions and applications of first and second degree equations; English and metric systems; various types of graphs with applications; linear systems; and trigonometry of the right triangle. This course may not be used to meet the General Studies Math requirement.
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APPENDIX TO MINUTES OF UNIVERSITY COUNCIL, 4/19/79, continued
CURRICULUM CHANGES, continued

OFFICE OF THE VICE PRESIDENT AND PROVOST

[VP-79-2]

Add *done* Graduate Certificate Program in Life-Span Development: Adulthood and Aging

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| Add | 1850:680 | <u>Interdisciplinary Seminar in Life-Span Development and Gerontology.</u>
1 credit. Prerequisite, permission. Certificate program students only. This seminar is designed to explore interdisciplinary issues in life-span development and gerontology. Guest speakers may be invited from various disciplines and services which have a life-span development and gerontological component and from government and community facilities and services. |
| | 1850:690 | <u>Workshop.</u> 1-3 credits (May be repeated). Group studies of special topics in life-span development and gerontology. May be used as elective credit, but not as part of certificate required courses. |
| | 1850:695 | <u>Practicum in Life-Span Development and Gerontology.</u> 3 credits. Prerequisite, permission. Supervised experience in research or community agency work. |

Add Requirements--Graduate Program in Life-Span Development: Adulthood and Aging

1. Required Courses

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| 1850:680 | <u>Interdisciplinary Seminar in Life-Span Development and Gerontology.</u>
1 credit. |
| 1850:695 | <u>Practicum/Internship</u> (within Institute or individual department).
3 credits. |

2. Elective Courses

Select a minimum of three courses from the following list. Students are required to take two of the three electives outside their major or degree department.

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| 3750:620 | <u>Methods and Theories of Human Development.</u> 4 credits. |
| 3750:727 | <u>Psychology of Adulthood and Aging.</u> 3 credits. |
| 3850:678 | <u>Social Gerontology.</u> 3 credits. |
| 3980:620 | <u>Social Services Planning.</u> 3 credits. |
| 3980:681 | <u>Special Topics: Urban Gerontology.</u> 3 credits. |
| 5400:661 | <u>Current Issues in Higher Education: Life Span and Community Education.</u> 2 credits. |
| 7400:603 | <u>Family Middle and Later Years.</u> 2 credits. |
| 7700:583 | <u>Communication Disorders: Geriatric Population.</u> 3 credits. |
| 7750:550 | <u>Social Needs and Services: Aging.</u> 3 credits. |