



President's Bulletin

University of Missouri

Vol. 4, No. 15

May 24, 1974

To: Members of the Board of Curators
From: C. Brice Ratchford, President

C. Brice Ratchford

At its meeting on June 26, 1971 -- almost three years ago -- the Board adopted an Agenda for Action, outlining a series of steps whose fulfillment is deemed essential if the University of Missouri is to flourish in the decade ahead. Among these tasks was an assignment to:

Define the function and scope of each campus. This should emphasize the characteristics common to all campuses, as well as the unique features to be apportioned among the campuses. From this definition can begin new program and campus planning that is both realistic and meaningful.

The board, administrators, faculty, staff, and students have considered six versions or refinements of "Role and Scope," "The University of Missouri: Its Future," and "The University Academic Plan." These prior versions published in the President's Bulletin are as follows:

Dec. 14, 1971: "Role and Scope"

Apr. 28, 1972: "The University of Missouri: Its Future"
A joint statement by Mrs. William C. Tucker, President, Board of Curators, and C. Brice Ratchford, President, University of Missouri.

Dec. 9, 1972: "The University of Missouri: Its Future"
Proposed to the Board of Curators by C. Brice Ratchford, President.

Feb. 2, 1973: "The University of Missouri: Its Future"
Approved by the Board of Curators

Mar. 7, 1974: "University Academic Plan (1975-1985) Tentative Version" (To: Faculties of the University of Missouri from the Academic Planning Council.)

Apr. 3, 1974: "University Academic Plan (1975-1985) Tentative Version II" (To: Faculties of the University of Missouri from the Academic Planning Council)

It is impossible to calculate the hours and effort that have gone into these documents. There have been meetings, conferences, retreats, and hearings by groups large and small involving faculty and student senates, Intercampus Faculty Advisory Council, Academic Planning Council, University Cabinet, Board of Curators, etc. In addition, literally hundreds of written pieces of evidence bearing on all phases of the aforementioned proposals have been examined.

Obviously there has not been nor is there now unanimity on the final product. It was not expected that there would be. It was expected -- and I sincerely believe this expectation has been realized -- that there would be a vigorous effort at evaluations of each academic program to determine where and to what extent various academic programs can hereafter best be offered in the interest of making the University of Missouri a place where teaching, research, and extension will thrive.

Although deficiencies result from using degrees as the main nomenclature, we could find no better alternative. Further, a degree of a particular type does connote to the world in general some expectation of the achievement of the graduate.

Assignments of degree programs in the University Academic Plan are not eternal. In the words of the document:

It is understood that such assignments will be reviewed periodically for evidence of accomplishment and continued appropriateness. The Plan provides for a basic core of educational offerings and degree programs on each campus, while recognizing that adjustments in these assignments may be required from time to time because of changing needs and resources.

Also, it should be noted that this is only part of the total University plan. This part, which is limited to degree offerings, will be followed by plans for research, extension, and administration.

In the final analysis, the only justification for our existence is that we provide high quality education on our campuses and that we bring our knowledge and technical skill to the people of Missouri wherever they need it. This has been basic in development of the final version of this University Academic Plan which I recommend to you.

cc: Faculty
Administrators

PHILOSOPHY STATEMENT

UNIVERSITY ACADEMIC PLAN, 1975-1985

The University Academic Plan is a part of the implementation of the "Role and Scope"* of the University of Missouri, which in turn is a part of the total institutional reappraisal process of the past more than two years.

As academic program adjustments are made under this Plan, related changes will occur in research, extension, and administrative aspects of the University. Plans for research, extension, and administrative organization will be developed by the end of the 1974-75 academic year. All of the plans will indicate a range of activities and priorities for internal redistribution of resources. Quality and efficiency of service are basic goals of all of the plans.

RESPONSIBILITIES OF THE UNIVERSITY

The University of Missouri is a public university which offers baccalaureate, professional, and graduate degrees in a broad diversity of academic disciplines and professional fields. The University is the only public institution in Missouri providing doctoral programs and advanced training for the professions.

The University of Missouri subscribes to the basic land-grant philosophy of high quality education for those who have the academic ability and motivation to benefit from a university-level education, regardless of their economic status. This philosophy also emphasizes research and extension of educational resources. The University performs services which arise from an educational need in Missouri, including health care, community surveys, and advice and counseling for business and industry.

These functions constitute the designated responsibilities of the University.

POLICIES BASIC TO THE UNIVERSITY ACADEMIC PLAN

Each campus of the University shall have some specific responsibilities, especially at the advanced professional and doctoral levels. Each campus will have a range of programs, but the various campus programs are to complement rather than compete.

Improvement in the quality of its offerings and programs is a major and continuing responsibility of the University. The excellence of the institution must be a prime consideration in all decisions.

The University of Missouri must strive to meet the expectations and needs of Missouri's citizens and of the scholarly world, within budgetary realities. Funds, staff, and faculties must be used in the most efficient manner to meet the needs and desires of students and society.

Consideration for students will have a major effect on academic decisions. Programs will be made as accessible to students as possible. The University will eliminate barriers that restrict the student's ability to transfer or to move from campus to campus.

Where archaic and stereotyped educational concepts exist, they must be replaced by those which are new and flexible. Fresh emphasis must be given to improving counseling and advisement, to opportunities for independent study, to availability for credit through examination, and to other means for achieving advanced placement.

Opportunity must exist for faculty members to enhance their professional careers and simultaneously to fulfill their

*President's Bulletin, Feb. 2, 1973,
"The University of Missouri: Its Future."

individual responsibilities in achieving the basic goals held by their department, division, campus, and University. Thus, many different combinations of instruction, research, and extension are appropriate for faculty members. The opportunity to engage in interdisciplinary programs as well as to cooperate with colleagues in other departments and other divisions on all campuses is to be encouraged.

Efforts must be made for better use of technological assistance to improve the quality of instruction, to further efficiency, and to bridge the distance between classrooms and between campuses.

The presence of specialized facilities will continue to influence the contribution expected from each campus.

The University will take into consideration the offerings of other institutions of higher education in the state and in the region, public and private, as it develops its total program.

PURPOSE OF THE UNIVERSITY ACADEMIC PLAN

The University Academic Plan hopes to foster a general understanding among students, faculty, administrators, curators, and public of the University's long-term commitments to program change and improvement during the decade 1975-85. To strengthen the University's teaching, research, extension, and service will require wisdom in the allocation of resources and careful program planning.

The University Academic Plan, subject to periodic review, determines the basis on which new resources are requested and assigned, and internal changes undertaken to release existing funds for reallocation. It pursues the rationale for program development set forth in Role and Scope. In

short, the Plan designs the University's future.

Careful attention has been given--in preparing the University Academic Plan--to the policies set forth above, to the academic plans of the several campuses, to the reports of the visiting discipline evaluation teams, to funding expectations, and to demographic considerations in the coming decade.

GOALS OF THE CAMPUSES

This recital of University planning objectives must be built upon statements included by the four campuses in their proposed academic plans. These statements may be summarized as follows:

UMC: At Columbia the University of Missouri has as its mission the offering of a liberal education in a variety of disciplines, vocational training, and advanced professional training. Particular attention is given to performing its land-grant university mission in research, resident and extension instruction, and in producing information and knowledge to support these educational purposes. Enhancing its ability to perform these multiple functions are interdependent relationships between individuals, departments, and divisions. These relationships, rather than the components themselves, give university status. The relationships generate interdisciplinary developments.

The campus has two missions: first, commitment to scholarship and to conservation and transmission of culture; and second, mass education and the generation of knowledge and services useful to society. An environment has been created which permits the accomplishment of both, achieved through organizational innovation which encompasses flexibility and responsiveness.

UMKC: At Kansas City the University will consolidate its present strengths and develop those programs most appropriate to its mission of serving a major metropolitan area. The purposes will be achieved through quality instruction, eminence in

scholarly and creative endeavors, and leadership in continuing education and public service. Its urban commitment will be directed through liberal and professional education as well as quality programs in the health sciences; in the performing, interpretive, and visual arts; and in urban studies. The campus reiterates its adherence to the concept of a true university and to scholarship as a base for service.

UMR: At Rolla the University mission embodies these basic concepts: The main thrust of the campus centers in engineering and science; the campus offers the University's only programs in mines and metallurgy; the campus arts and sciences programs complement the engineering programs as well as offer baccalaureate degrees in the arts and sciences; students constitute a major concern in academic decisions; independent study and a variety of means of obtaining credit through examination and advance placement should exist. Closely related to these concepts, UMR views other factors as significant in constructing its academic plan. Among the most important are responses to the energy and materials crisis, to the problem of pollution, to the rapid growth of the area between St. Louis and Springfield, to the need for traditional undergraduate and graduate programs which would meet societal needs, and to integration of the knowledge and values of the social sciences and the humanities with the professional programs in engineering and science, and also to provide an understanding of technology for students in non-technical programs.

UMSL: At St. Louis, in the state's most populous area, the University has developed in a short period of time academic programs that have attained regional and national recognition. The University has been limited by its very growth but in the years ahead plans to overcome the gap between resources and its charge to provide for high quality, traditional university study as well as specialized programs appropriate to its urban community. Beyond these basic concerns the campus emphasizes the obligation to

serve the unmet needs of the area's population by providing new opportunities for undergraduate and graduate study. These opportunities will be provided through new undergraduate programs in such fields as the health sciences, urban studies, humanities, and computer science. Graduate education will be concentrated in high demand areas related to its two professional schools and the natural and social sciences. Additional plans include extensive assistance to low income and minority students; adult, continuing, and external degree programs; development of a humanistic and cultural learning center; generation of interdisciplinary programs; further exploitation of the resources of the urban environment for research, internships, and enrichment of education activities; and new means for cooperation with local educational and cultural institutions, both to incorporate local resources and avoid unnecessary duplication.

ASSUMPTIONS GUIDING DECISIONS

Decisions concerning the University Academic Plan's content are based on these assumptions:

1. There will be continuing demand in the next decade for resources to meet a variety of public needs, and not all of the University's legitimate needs and aspirations are likely to be supplied and supported.

2. As funds do become available through new appropriations or from internal reallocation, they will be devoted, insofar as possible, to programs listed in Part I of the University Academic Plan.

3. The University must avoid unnecessary program duplication.

4. Planned diversity, not only among degree programs, but in emphasis within a degree program, will best serve the state with the resources available.

5. Efforts will be made to release funds through reorganization and reduction in administrative areas throughout the University. A study of the administrative areas now being completed has as its goal to see that only the minimum resources necessary

are directed to activities apart from the University's basic mission--education.

6. No quota exists for any campus. Rather, decisions on assignments of programs are made according to perceptions about institutional needs, program quality, and anticipated success. (The benefit-cost indices used in creating the campus academic plans provided pertinent insights as final decisions were made about each program.)

7. The University-wide doctoral faculty arrangement--involvement of qualified faculty on each campus in doctoral training--will facilitate commitments and plans for doctoral programs and enhance collaboration among kindred disciplines.

8. Programs with low or diminishing enrollments may logically be expected to reduce program offerings.

9. The University will expand cooperation with other institutions in Missouri and nearby states to provide program opportunities. (MASUA institutions are discussing the sharing of doctoral program opportunities.)

10. None of the four campuses can fulfill the commitments in their location and purpose, given the acute fiscal shortages which have developed in recent years, so the University has been obliged to put aside many academic programs which campus mission and public need clearly require. (The University Academic Plan mentions some programs which cannot now be included, implying that the University might begin or continue many programs if funding would allow.)

The purpose of the University Academic Plan is to have degree programs which can be supported adequately by available resources. Some programs will be more dynamic than others; some will have more complex missions than others. However, all programs to be carried forward will seek excellence within the extent of their charge.

Faculty and staff in programs in all categories will be given equivalent treatment for salary adjustments.

Every program will receive consideration annually for inflationary adjustments in expenses and equipment. Enrollment changes will influence annual budgets for the programs in all categories. Resource utilization in every program will be reviewed annually.

The Plan emphasizes intercampus collaboration and academic coordination. The Plan provides for a basic core of educational offerings and degree programs as well as specialization on each campus. Adjustments in these assignments may be required from time to time because of changing needs and resources. Assignments will be reviewed periodically.

Quality has been stressed. It is important to remember that additional resources are not the only means for improving program quality.

The "open university" concept is becoming increasingly a part of the program of many colleges and universities--public and private. It has different meanings at different universities. To some it implies offering existing degrees in non-traditional ways to students who cannot or will not regularly matriculate on a campus. To others it suggests offering a totally new degree in a non-traditional way to non-traditional students. A recent report of a task force on the open university is being studied. The University of Missouri is not at a point to commit itself to the concept. Indeed, to the extent that existing degrees are offered in non-traditional ways, the respective degree-recommending faculties must take the initiative. The College of Agriculture, with assistance of a foundation grant, is committed to a pilot effort. The University has agreed to cooperate with other MASUA institutions in the S-U-N project, which is entirely federally funded. Expansion of the open university concept is an item to be considered as annual revisions are made in this plan and weighed against other proposed changes.

CONTENT OF THE UNIVERSITY ACADEMIC PLAN
(covers degree programs only)

The three parts which constitute the University Academic Plan are as follows:

Part I

Degree programs, or portions thereof, which are candidates for development.

Category A

Degree programs, or portions thereof, which are primary candidates.

Category B

Degree programs, or portions thereof, which are secondary candidates.

Part II

Degree programs, or portions thereof, which are to be continued at present levels.

Part III

Degree programs, or portions thereof, which are candidates for reduction or termination.

Category A

Degree programs, or portions thereof, which are candidates for reduction.

Category B

Degree programs, or portions thereof, which shall be terminated.

THE UNIVERSITY ACADEMIC PLAN: DEGREE PROGRAMS¹

TABLE OF CONTENTS

1. ENGINEERING AND MINES AND METALLURGY
2. PROFESSIONAL EDUCATION
3. PHYSICAL SCIENCES
4. BIOLOGICAL SCIENCES
5. MATHEMATICAL SCIENCES
6. PSYCHOLOGY
7. HEALTH PROFESSIONS
8. LEGAL EDUCATION
9. JOURNALISM, SPEECH COMMUNICATION, SPEECH AND HEARING SCIENCES, AND RADIO, TV, AND FILM
10. LIBRARY AND INFORMATIONAL SCIENCE
11. ANTHROPOLOGY, GEOGRAPHY, AND SOCIOLOGY
12. POLITICAL SCIENCE AND ECONOMICS
13. HISTORY AND PHILOSOPHY
14. MODERN LANGUAGES AND LITERATURE
15. PERFORMING AND FINE ARTS, CLASSICAL STUDIES, AND ARCHAEOLOGY
16. BUSINESS AND PUBLIC ADMINISTRATION
17. SOCIAL WORK, COMMUNITY DEVELOPMENT, AND RECREATION
18. AGRICULTURE AND FORESTRY
19. HOME ECONOMICS
20. VETERINARY MEDICINE
21. ADMINISTRATION OF JUSTICE
22. MULTIDISCIPLINARY PROGRAMS

¹The University Academic Plan which is contained on the following pages uses the disciplinary organization as listed in the policy statement of February 2, 1973, "The University of Missouri: Its Future," (President's Bulletin). New degree programs are preceded by an asterisk.

The appraisals of research, extension, and administration are currently underway. It is intended that comparable definitive plans for these areas will appear when the appraisals are completed.

1. ENGINEERING AND MINES AND METALLURGY

	UMC	UMKC	UMR	UMSL
I-A	Interdivisional degree programs at all levels such as bio-engineering and graphics communication engineering with encouragement that others be prepared.			
I-B	B.S., M.S., Ph.D. IndE B.S., M.S., Ph.D. AgE	Cooperative undergraduate program with UMC	B.S., M.S., Ph.D., D.E. CerE, GeolE, MetE, MinE, PetE *B.E. Technology *Ph.D. Eng. Mech.	
II	M.S., Ph.D. CivE, ElecE, MechE, ChemE, NuclE M.S. SanE		B.S., M.S., Ph.D., D.E. AeroE B.S., M.S., Ph.D., D.E. ChemE, CivE, ElecE, MechE B.S., M.S., Eng. Mgmt. B.S. ¹ , M.S., Ph.D., D.E. NuclE	
III-A	<u>Traditional</u> B.S. in CivE, ElecE, MechE, ChemE		M.S. Env & Plan. Eng. B.S., M.S., Eng. Mech.	
III-B	B.S. AeroE	B.S. Gen. Engr.		

¹The B.S. option in NuclE has been offered within MetE. It is proposed that this option become a regular baccalaureate in NuclE.

The arrangement outlined above for Engineering implements the plan in the President's Bulletin, "The University of Missouri: Its Future," February 2, 1973. All new programs and those unique to a single campus are in the I category. Because degree names are used, it appears that there is considerable duplication at the graduate levels.

Since each graduate student has individually developed programs with room for a number of mixes of courses, and research can take many directions, the graduate programs can move in the directions proposed for each campus. The cooperative undergraduate program between UMC and UMKC is considered as an experiment in intercampus cooperation and in a somewhat non-traditional system of delivery of educational services. The effort will be evaluated carefully to ascertain the interests of students, the quality of their education, and the cost to students and institution.

The present graduate offering of UMC in Kansas City and UMR in St. Louis will be continued with stronger cooperation between campuses.

2. PROFESSIONAL EDUCATION

	UMC	UMKC	UMR	UMSL
I-A	B.S. Ed., M.A./M.Ed., Spec. Ph.D./Ed.D. Spec. Edn.	B.A., M.A. (Spec. Edn.)		*Ed.D.
I-B	Spec. Edn. Adm. Spec. Higher and Adult Edn. Ph.D./Ed.D. Practical Arts & Voc/Tech Edn.	B.A., M.A. (Early Childhood Edn.) *M.Ed., *Ed.D. (w/emphasis areas) M.A. (Adult Edn.)	*M.Ed. (coop with UMC and UMSL) ¹	*M.Ed. (Adult Edn; Career Edn; Early Childhood; Edn. Tech.; Spec. Edn.; Speech Therapy)
II	M.A./MEd., Spec., Ph.D./EdD. Edn. Adm. M.A.P.E./M.A./M.Ed., Ph.D./Ed.D. Health and Phys. Edn. M.A./M.Ed., Spec. Ph.D/Ed.D. Couns. & Pers. M.A./M.Ed., Spec. Ph.D/Ed.D. Curriculum & Instruction Ph.D., Ed.D. Edn. Psych M.A./M.Ed., Ph.D./Ed.D. Higher and Adult Edn. ² M.A./M.Ed., Spec. Practical Arts & Voc/Tech. Edn.	M.A. (Voc. Edn; Edn. Tech.) B.A. Adult Education B.A./B.S. Hlth & Phys. Ed.-El B.A./B.S. Hlth & Phys.Ed.-Sec. M.A. (El.Edn; Sec. Edn) M.A., Ph.D. Couns. & Guid.; M.A., Ph.D. Edn. Adm.; M.A. Edn. Res.; M.A. Read. Edn.; Ed. Spec. Couns. & Guid; Edn. Adm.; Curr. & Inst.; Read. Edn.; Ph.D. Curr. & Inst.	B. S. Edn.-Sec. (Coop with UMC) ¹	M.Ed. (El.; Sec. Edn.; Read; Admin.; Guid.)
III-A	B.S. Ed.-El; B.S. Ed.-Sec. B.E. Studies B.S. Ed. (Soc. Std. & English) M.A./M.Ed. Edn. Psych. M.A./M.Ed., Ph.D./Ed.D. Social and Philosophic Found. Spec. Health & Phys. Edn.	B.A. Sec. Edn. B.A. Elem. Edn. Ph.D. Read. Edn.		B.S. Edn.-El. Edn. B.S. Edn.-Sec. Edn. B.S. Edn.-Early Childhood B.S. Edn.-Special Educ.
III-B	Allied Health Degrees moved to Health Sciences			

¹This cooperative effort is to serve the needs of teachers in the Rolla area. It will be patterned after the UMC-UMKC collaboration in Engineering, and reduces the need for the M.S.T. programs currently offered at Rolla.

²The M.S. in Extension Education will be merged with the degree programs in Higher and Adult Education.

The University has three large, efficient, high quality colleges of education. The proposed plan recognizes the need for fewer new teachers and the increasing need for advanced training of those now teaching. It also recognizes that the University of Missouri is the only public institution offering the doctorate.

The experimental undergraduate cooperative program between UMC and UMR which stresses training science teachers is working, and the proposed masters program which will also stress science teaching should work even better because of the flexibility inherent in graduate degrees.

The plan recognizes the effect of new state legislation on the special education area of emphasis.

While degree names in education are often similar, the three colleges are expected in many cases to have different program emphases; for example the two urban campuses should provide in elementary and secondary education those courses and experiences needed to train teachers for the unique situations in the large city schools.

3. PHYSICAL SCIENCES

	UMC	UMKC	UMR	UMSL
I-A		*M.S. Env. Geology		*M.S. Chemistry *M.S. Physics
I-B		*M.S. Earth Science		
II	A.B./B.S., M.A. Chemistry M.S. Physical Sciences A.B./B.S., M.S. Physics A.B./B.S., M.A., Ph.D. Geology	B.A./B.S., M.A./M.S. Chem. B.A./B.S. Geology B.A./B.S., M.S. Physics	B.S., M.S. Chemistry B.S., M.S. Geol. & Geophys. B.S., M.S., Ph.D. Physics	A.B./B.S. Physics Ph.D. Chemistry ¹
III-A	Ph.D. Physics Ph.D. Chemistry ¹	Ph.D. Chemistry ¹	Ph.D. Chemistry ¹ M.S.T. Chemistry M.S.T. Earth Science M.S.T. Physics Ph.D. Geol. & Geophys. ²	A.B./B.S. Chemistry
III-B			Ph.D. Eng. Physics B.S., M.S., Ph.D. Geol. ² M.S., Ph.D. Geophys. ²	

¹The Plan calls for chemistry doctoral degree programs of focused scope on the four campuses. UMSL is still developing to reach that point. In order to achieve this, UMSL may reduce emphasis on the baccalaureate in chemistry. The Doctoral Faculty Discipline Coordinating Committee will study ways to attain appropriate specialization and intercampus collaboration. The continuance of four doctoral programs in any subsequent revision depends upon a sufficient number of high quality applicants for admission and specialization and collaboration being in fact developed.

²Combination of existing programs.

4. BIOLOGICAL SCIENCES

	UMC	UMKC	UMR	UMSL
I-A				
I-B	A.B. Biological Sciences	*Ph.D. Biology ¹	*B.S. Life Sciences	M.S. Biology
II	M.A., Ph.D. ² Biol. Sciences	B.A./B.S., M.A./M.S. Biol. M.S. Microbiology		A.B. Biology
III-A				
III-B				

¹This new degree is tentative subject to demonstration that it will in fact supplement the health science thrust of the campus and that it is coordinated with the basic science work underway and proposed in the health science field.

²The campus is expected to follow through on plans to coordinate and eliminate all possible duplication in the many programs broadly defined which deal with biological sciences.

5. MATHEMATICAL SCIENCES

	UMC	UMKC	UMR	UMSL
I-A				
I-B	A.B. Math *A.B., M.S. Computer Sci.	*M.S. Applied Math *B.S. Computer Science	*Ph.D. Computer Science	*B.S. Applied Math *B.S. Computer Sci. *B.S., *M.S. Statistics *Ph.D. Math ¹
II	M.A. Math, M.S. Applied Math A.B., M.A., Ph.D. Stat.	B.A./B.S., M.A./M.S. Math	B.S., M.S. Applied Math B.S., M.S. Computer Sci.	M.A. Math
III-A	Ph.D. Math ¹	Ph.D. Math ¹	Ph.D. Math ¹	B.A. Math
III-B	M.S.T. Math A.B., M.S. Math (Comp. Science)		M.S.T. Math	

11

¹The plan calls for mathematics doctoral programs of focused scope on the four campuses. The Doctoral Faculty Discipline Coordinating Committee must continue current efforts of the four departments in developing appropriate specialization and intercampus cooperation.

6. PSYCHOLOGY

	UMC	UMKC	UMR	UMSL
I-A				
I-B	A.B. Psychology			A.B. *M.A. Psychology
II	M.A./M.S., Ph.D. Psychology ¹	A.B., M.A., Ph.D. Psych. ¹ M.A. Social Psychology	A.B., B.S. Psychology	Ph.D. Psychology ¹
III-A				
III-B				

¹The Plan calls for psychology doctoral programs of focused scope on three campuses. The Doctoral Faculty Discipline Coordinating Committee must study ways to develop appropriate specialization and intercampus cooperation. These doctoral programs are in category II because of the high student demand. The number and quality of students as well as the demand of society for graduates will be followed closely as subsequent revisions are made.

7. HEALTH PROFESSIONS

	UMC	UMKC	UMR	UMSL
I-A	B.S. Nursing	M.S.N. D.D.S.		
I-B	M.S. Public Health M.S. Nursing (Med., Surg., Psychiatric)	Diploma--Oral Surg., Ortho- don., Pedodont, Periodont. *B.S. Nursing		*B.S. Nursing ³
II	M.D. Internships & Residencies Family Practice Ob-Gyn Pediatrics Internal Medicine M.A. Physiology; M.S., Ph.D. Biochemistry ¹ ; M.S. Pathology; M.S. Microbiol. (Med); Ph.D. Physiology; Ph.D. Microbiology Ph.D. Pharmacology B.S. Allied Health Programs ²	M.D. B.S., D. Pharmacy B.S. Dent. Hyg. Dipl. Gen'l Dent. M.S. Oral Biology M.S. Dent. Hyg. Edn. B.S. Med. Tech. Diploma--Fixed. Prosth., Rem. Prosth. M.S. Oral Diag./Oral Med. M.S., Ph.D. Pharmacy, Pharmacology, Pharm. Chem.		
III-A	M.A., Ph.D. Anatomy M.S. Pharmacology	Diploma--Endod.; Oral Path., Radiol., Dent.		
III-B	Gen. Preventive Medicine	M.S. Dent.-General (drop in lieu of Diploma)		

In the basic sciences there must be cooperation among the departments, the schools, and the campuses. There will be continuing review to ascertain the extent to which cooperation has worked in order to improve quality.

¹This program is being combined with biochemistry activity in Agriculture.

²These five degree programs are being moved from Professional Education to Health Sciences.

³The initiation of this program is dependent upon a collaborative effort with the junior colleges and developing contractual arrangements with hospitals in the area for necessary clinical experience.

Among the new programs which the campuses believe are important to their missions but which apparently cannot now be scheduled are:
UMKC, Ph.D. in Oral Biology; UMSL, B.S. in Allied Health.

8. LEGAL EDUCATION

	UMC	UMKC	UMR	UMSL
I-A				
I-B	J.D.	J.D. LLM. Spec.		
II		LLM. Gen.		
III-A				
III-B				

9. JOURNALISM, SPEECH COMMUNICATION, SPEECH AND HEARING SCIENCES, AND RADIO-TV-FILM

	UMC	UMKC	UMR	UMSL
I-A	B.J. (w/six areas of emphasis) ¹			
I-B	M.A. Journalism	*M.A. Speech & Hear. Sci.		*B.A. Speech Comm.
II	Ph.D. Journalism A.B., M.A., Ph.D. Speech and Dramatic Art	B.A. Radio-TV-Film ² B.A. Speech & Hear. Sci. B.A., M.A. Speech Comm.		
III-A				
III-B	Six B.J. Degrees			

¹The cooperative effort with UMSL, while not leading to a degree program, will be continued and strengthened. There should be similar efforts with UMKC.

²Further development of this program will be in cooperation with the School of Journalism at UMC. Among the programs which the campuses feel are important to their missions but which cannot now be scheduled is UMKC, M.A. in Radio, TV and Film.

10. LIBRARY AND INFORMATIONAL SCIENCE

	UMC	UMKC	UMR	UMSL
I-A				
I-B				
II	A.B., M.A. Library Science ¹			
III-A				
III-B				

¹Replaces degrees in Library and Information Science.

15

11. ANTHROPOLOGY, GEOGRAPHY, AND SOCIOLOGY

	UMC	UMKC	UMR	UMSL
I-A				
I-B		*Ph.D. Sociology ¹ *M.S. Urban Geography	*B.S./B.A. Sociology	*Ph.D. Sociology ¹
II	A.B., M.A., Ph.D. Anthro. A.B., M.A. Geography A.B., M.A., Ph.D. Soc.	B.A./B.S. Geography B.A., M.A. Sociology		A.B., M.A. Sociology A.B. Anthropology
III-A				
III-B				

¹If these doctoral programs are initiated, they will be on a collaborative basis between the urban campuses and be designed to help the campuses achieve their urban thrusts.

12. POLITICAL SCIENCE AND ECONOMICS

	UMC	UMKC	UMR	UMSL
I-A				*Ph.D. Pol. Sci. ¹ *M.S. Public Pol. Adm.
I-B				
II	A.B., M.A., Ph.D. Pol. Sci. ¹ A.B., M.A., Ph.D. Economics	B.A., M.A. Economics B.A., M.A. Pol. Sci.	B.A./B.S. Economics	B.A., M.A. Pol. Sci. B.A./B.S., M.A. Econ.
III-A				
III-B	M.S.T. Economics			

¹If UMSL is able to start this degree, it must be in collaboration with UMC and must contribute to the urban concern of the campus.

91

13. HISTORY AND PHILOSOPHY

	UMC	UMKC	UMR	UMSL
I-A				
I-B				*Ph.D. History ¹
II	A.B. Class. Civil. A.B., M.A., Ph.D. History A.B., M.A., Ph.D. Phil.	B.A. Philosophy B.A., M.A. History	B.A. Philosophy B.A. History	B.A. Philosophy B.A., M.A. History
III-A		M.A. Philosophy		
III-B	A.B., Ph.D. Amer. Civil.			

¹This program will be developed in cooperation with UMC. The departments are commended for their thoughtful and constructive planning to date.

14. MODERN LANGUAGES AND LITERATURE

	UMC	UMKC	UMR	UMSL
I-A				
I-B				M.A. English
II	A.B., M.A., Ph.D. English M.A. Classical Lang. A.B., M.A. German A.B., M.A. French A.B., M.A. Spanish A.B. Russian Ph.D. Romance Lang. ¹	B.A., M.A. English B.A. French, German, Spanish	B.A. English	B.A. English B.A. French, German, Spanish
III-A	A.B. Classics A.B. Italian	M.A. Romance Lang. and Lit.		
III-B				

¹This program is the combination of existing doctoral programs in French and Spanish. Among the new programs which campuses believe are important to their missions but which cannot now be scheduled is: UMSL, M.A. in French, Spanish, and German.

15. PERFORMING AND FINE ARTS, CLASSICAL STUDIES, AND ARCHAEOLOGY

	UMC	UMKC	UMR	UMSL
I-A		*M.F.A. Theatre		
I-B	A.B. Art History & Arch.	*B.F.A. Theatre B.M., M.M., D.M.A. Perform. *M.A. Dance		*B.A. Art. Edn.
II	Ph.D. Classics & Class. Arch. B.M., M.A., M.M. Music A.B., M.A. Art M.A., Ph.D. Art Hist. & Arch.	B.A., M.A. Theatre B.M.E., M.M.E. (all) B.A. Dance; B.M., M.M., D.M.A. Comp. & Theory B.A. Music M.M. Hist. & Lit. M.M., D.M.A. Con- ducting D.M.A. Music Edn. A.B. Art A.B., M.A. Studio Art A.B. Art Edn. B.A., M.A. Art Hist.		B.M. Music Education B.A. Music B.A. Art History
III-A		D.M.A. History & Lit. M.M. Church Music M.A. Music		B.A. Music History
III-B		M.M., D.M.A. Perf. Ped. D.M.A. Church Music		

18

Among the new programs which the campuses believe are important to their missions but which cannot now be scheduled are: UMC--B.F.A., M.F.A. Art. UMKC--B.F.A., M.F.A. Art; D.F.A. Theatre; Ph.D. Music Edn.; Ph.D. Musicology. UMSL--B.F.A. Art; M.A. Music.

16. BUSINESS AND PUBLIC ADMINISTRATION

	UMC	UMKC	UMR	UMSL
I-A				
I-B	M.S. Pub. Admin (Interdept.)	*M. Adm. *Ph.D. Adm. Science ¹		*M.S. Bus. Adm. w/emphases *Ph.D. Management ¹
II	B.S.B.A. Bus. Admin. (eleven areas of emphasis) B.S.P.A. Public Admin. M.B.A., Ph.D. Bus. Adm. ¹ M.A./M.S., Ph.D. Account.	B.B.A. M.B.A. M.P.A.		M.B.A.
III-A				B.S. Bus. Adm.
III-B	B.S.B.A. (eleven degrees)			

¹As these doctoral programs are developed, they will be designed cooperatively to emphasize the special strengths and student demands at the several locations.

Among the programs which the campuses believe are important to their missions but which cannot now be scheduled are:
UMKC, MS Account. UMSL, M. Mgt. Information Systems.

19

17. SOCIAL WORK, COMMUNITY DEVELOPMENT, AND RECREATION

	UMC	UMKC	UMR	UMSL
I-A				*B.S.W.
I-B	*M.S.W. ¹	*M.A. Urban Planning		*M.S.W. ¹
II	B.S.W. ² B.S., M.S. Recreation and Park Adm. M.S. Community Develop.	A.B. Urban Affairs		
III-A	Diploma-Commun. Develop.			
III-B	M.S. Social Work			

¹The two campuses must plan jointly to foster cooperation and diversity in order to meet statewide needs. Also, the needs of the Kansas City community should be served through some type of cooperative arrangement.

²The plan calls for administrative transfer from Arts and Science.

18. AGRICULTURE AND FORESTRY

	UMC	UMKC	UMR	UMSL
I-A				
I-B	B.S.Ag. Post Mgmt. B.S.F.W. Fisheries & Wild. B.S.F. Forestry			
II	B.S.Ag., M.S., Ph.D. Biochem. ¹ B.S.Ag., M.S., Ph.D. Agr. Econ. B.S.Ag., M.S., Ph.D. Agron. B.S.Ag., M.S., Ph.D. Anim. Sci. B.S.Ag., M.S., Ph.D. Atmos. Sci. M.S., Ph.D. Entomology B.S.Ag., M.S., Ph.D. Food Sci. B.S.Ag., M.S., Ph.D. Hort. M.S. Plant Path. B.S.Ag., Voc. Agr. Edn. M.S., Ph.D. Forestry M.S., Ph.D. Fisheries & Wildlife B.S.Ag. Rural Sociology			
III-A	B.S.Ag., M.S. Ag. Mech. B.S.Ag. Gen. Ag.			
III-B	B.S.Ag. (ten degrees being combined and degree titles terminated) M.S. Extension Education ²			

¹This is being combined with the biochemistry department in the School of Medicine.

²The M.S. in Extension Education will be merged with the degree programs in Higher and Adult Education.

19. HOME ECONOMICS

	UMC	UMKC	UMR	UMSL
I-A				
I-B	B.S.H.E. Food & Nutrition			
II	B.S.H.E. Hous. & Inter. Design B.S.H.E. Child & Fam. Development B.S.H.E. Cloth. & Textiles B.S.H.E. Fam. Econ. & Mgmt. B.S.H.E. Home Econ. Journ. M.A./M.S. Home Econ. (five areas of emphasis) Ph.D. Home Economics			
III-A	B.S.H.E. Gen. Home Econ.			
III-B	M.A./M.S.H.E. (combined above)			

21

20. VETERINARY MEDICINE

	UMC	UMKC	UMR	UMSL
I-A				
I-B				
II	DVM List of six M.S. programs, twelve residence programs and Ph.D. programs in which Vet. Med. participates			
III-A				
III-B				

In the basic sciences there must be cooperation among the departments and within the campus. There will be continuing review to ascertain the extent to which cooperation has worked in order to improve quality.

21. ADMINISTRATION OF JUSTICE

	UMC	UMKC	UMR	UMSL
I-A		*B.A. ¹		*M.S. ¹
I-B		*M.A. ¹		
II				B.S.A.J. ¹
III-A				
III-B				

¹The new programs at UMKC are scheduled in part because of the decision to take over the operation at Independence. There must be a high degree of collaboration between the two campuses.

22. MULTIDISCIPLINARY PROGRAMS

	UMC	UMKC	UMR	UMSL
I-A				
I-B	*M.S. Community Planning	B.A. American Culture	*A.A. ¹ *B. General Studies *P.D.D.	B.G.S. (Evening)
II	B.G.S. General Studies A.B. Inter-Disc. A.B. Latin Amer. A.B. Russian A.B. South Asian Studies Ph.D. Microbiol. M.A./Ph.D. Genetics M.S./Ph.D. Nutrition Ph.D. Pathology M.S., Ph.D. Physiology	B.A. Judaic Studies		
III-A	A.B., M.A. Linguistics A.B. Microbiology			
III-B	M.S. Sanitary Science	Ph.D. Gen. Edn. (Soc. Studies)		

¹Consideration may be given to this degree at Rolla because a wide geographic area around Rolla is not and is not likely to be served by a community college. Before the degree is offered, there must be full exploration of regional support and involvement.