



M E M O R A N D U M

TO: The Senate

FROM: Dr. Stephen Lehmkuhle, Senate Chairperson *Stu*

DATE: March 30, 1994

The 1993-94 Senate is scheduled to meet at 3:15 p.m. on Tuesday, April 5, in 126 J. C. Penney. The agenda follows:

- I. Approve minutes from previous meeting (action item)
- II. Report from the Chairperson -- Dr. Lehmkuhle
- III. Report from the Chancellor -- Chancellor Touhill
- IV. Report from the Faculty Council -- Dr. Burkholder
- V. Report from the Intercampus Faculty Council -- Dr. Pierce
- VI. Report from the Student Government Association -- Mr. Masters
- VII. Committee reports:
 - A. Executive Committee (information regarding recommendations by Ad Hoc Senate Committee on Multiple-Level Participation in the Tenure and Promotion Process) -- Dr. Lehmkuhle
 - B. Curriculum and Instruction (action items, see report enclosed) -- Dr. Friedman
 - C. Computing (action item, see attached) -- Dr. Tierney
 - D. Research and Publication -- Dr. Feigenbaum
 - E. Recruitment, Admissions, Retention, and Student Financial Aid (see attached) -- Dr. Andalaft

VIII. Other business

REMINDER TO THOSE WHO ARE SERVING ON THE 1994-95 SENATE: An organizational meeting to elect next year's Chairperson, Secretary, and Committee on Committees will be held at 2:30 p.m. on April 5 in 126 J. C. Penney. Because of the 3:15 meeting of the 1993-94 Senate, it will be necessary to convene the 2:30 meeting on time. Thanks for your cooperation.

RESOLUTION
RECOMMENDED BY THE SENATE COMMITTEE ON COMPUTING

Given that many UM-St. Louis faculty do not have access to basic computer hardware and software, the UM-St. Louis Administration is encouraged to develop a rate-based fund to provide state-of-the-art personal computer hardware and software, as well as instruction and support, to faculty on an annual basis.

REPORT OF THE SENATE COMMITTEE ON RECRUITMENT, ADMISSIONS, ETC.

March 21, 1994

The Committee wishes to bring to the attention of the Senate and the Faculty as a whole serious difficulties in staffing and space resources of the Student Financial Aid Office, and the effect that proposed new programs and policies will have on that office.

Changes in federal loan programs, and UM tuition increases have substantially increased the work load of the Student Financial Aid Office over the past year. Information provided to the Committee by that office indicates that (as of February 21, 1994) the total loan dollar volume has increased 67% and the total number of loan applications has increased 39% over the preceeding year. As a result, processing time for student loans peaked at 8 weeks during late August, September, and October (a 2 week increase over 1992-93). Ideally the maximum loan processing time should be no more than four weeks. An additional 2 week increase in peak processing time is expected in the Fall Semester, 1994. This delay creates hardships for students who rely on loan funds to pay their university fees and living expenses, and can have a serious impact on their academic performance.

In spite of the provision of two additional staff hired in 1991, the Financial Aid Office still has inadequate staff for the advising of students. In addition, the lack of space makes it impossible to offer privacy for students being advised and interviewed concerning their financial aid needs and applications. Comparison of staffing of financial aid offices throughout the UM System indicates clearly the inadequacy of support of our financial aid program (see attached table).

Clearly students are unhappy about this situation, especially when our resources are compared with the facilities and resources provided by other institutions, not only within the UM System but also in the community colleges (particularly Meramec).

As bad as the present situation is, future developments, both planned and authorized, will make the situation much worse in the coming years unless additional resources are provided. The planned merger with Barnes College of Nursing will create a demand for financial aid services at the Barnes Hospital site (since 75% of the students at Barnes College receive financial aid). A similar need will arise if the university proceeds to develop satellite campuses in St. Charles County (and possibly Jefferson County), since students at each of these sites will also expect the same level of financial aid services as are available on the main campus.

An additional drain on our financial aid resources will

result from the fact that the university has been approved to participate in the new Federal Direct Loan Program, beginning July 1, 1995. Participation of all UM campuses was mandated by President Russell. This program, described by our Financial Aid Office as the biggest challenge to financial aid offices in 20 years, eliminates the banks from the loan process. As a result, work and services presently performed by banks will be handled by the financial aid office. In order to manage this additional responsibility, the Financial Aid Office has submitted a proposal for additional space, staff, E & E budget, and equipment. The status of this proposal is not known at this time.

The Committee wishes to emphasize that the present campus administration has taken steps over the years to address the problems described above. However, it is felt that the university community as a whole needs to be made aware of the challenges which the expanding mission of the university presents to our financial aid program, the impact current deficiencies have on our recruitment and retention of students, and the need for additional resources, especially in the areas of staffing and space, to address these problems.

COMPARISON OF STAFFING AND PROCESSING VOLUME

UNIVERSITY OF MISSOURI SYSTEM

<u>CAMPUS:</u>	<u>Columbia</u>	<u>Kansas City</u>	<u>Rolla</u>	<u>St. Louis</u>	<u>Total</u>
FS93 Headcount	22,225	9,858	5,681	15,411	53,175
FS93 FTE	18,406	6,560	4,655	8,412	38,033
Need-Based Aid Recipients 92-93	8,469	3,394	1,958	3,012	16,833
 STAFFING:					
Total	29	19	7	9	64
Professional	16	13	3	6	38
Clerical	13	6	4	3	26
 APPLICATIONS PROCESSED:					
3/17/93-2/22/94	23,802	10,217	5,898	13,344	53,261
 AUTOMATED+ LOAN RECORD TRANSMISSIONS					
6/93-11/93:	22,132	6,149	0*	8,317	36,598
 LOAN APPS. PROCESSED FOR					
93/94 (SST):	16,000	4,500	2,500	5,000	28,000

+ Transmissions to guaranty agencies to certify, correct and change loan records. One student loan may require 2-4 transmissions.

* Rolla does not participate in the automated loan process.

REPORT FROM THE SENATE COMMITTEE ON CURRICULUM AND INSTRUCTION

March 3, 1994

I. The Committee has approved the course actions noted below:

English 15	add	"Images of the Elderly in Film"	3 hours
Gerontology 15	add	"Images of the Elderly in Film"	3 hours
Anthropology 6	drop	"Human Origins Lab"	1 hour
Anthropology 15	add	"Introduction to Folklore"	3 hours
Anthropology 201	change description	"Comparative Economic Behavior"	3 hours
Anthropology 234	add	"Cultural Continuity and Change in Sub-saharan Africa"	3 hours
Art 105	change prerequisite	"Issues and Ideas in Art History"	3 hours
Communication 41	add	"Basic Public Debate"	3 hours
Communication 241	change prerequisite	"Argumentation and Debate"	3 hours
Chinese 1	add	"Chinese I"	5 hours
Chinese 2	add	"Chinese II"	5 hours
Chinese 101	add	"Intermediate Chinese I"	5 hours
Chinese 102	add	"Intermediate Chinese II"	5 hours
Japanese 1	add	"Japanese I"	5 hours
Japanese 2	add	"Japanese II"	5 hours
Japanese 101	add	"Intermediate Japanese I"	5 hours
Japanese 102	add	"Intermediate Japanese II"	5 hours

(continued)

Mathematics 15	drop	"Mathematics: Ideas and Structures"	3 hours
Philosophy 291	drop	"Senior Thesis"	3-9 hours
CNS ED 310	add	"Introduction to the Counseling Profession"	3 hours
CNS ED 317	add	"Advisory Programs in the Middle Level School"	3 hours
ELE ED 316	add	"Middle Level Curriculum and Instruction"	3 hours
SEC ED 315	change number, title, prerequisite, description	"The Middle Level School"	3 hours
Nursing 373	change number, description	"Quantitative Analysis in the Health Sciences"	3 hours
Nursing 404	change number	"Health Assessment for Advanced Nursing Practice"	2 hours
Nursing 407	add	"Pharmacology for Advanced Nursing Practice"	3 hours
Nursing 421	change number	"Child Growth and Development"	3 hours
Nursing 445	change number, prerequisite, description	"Foundations of Advanced Nursing Practice"	3 hours
Nursing 448	add	"Pathophysiology for Advanced Nursing Practice"	3 hours
Nursing 450	change number, prerequisite, description	"Theoretical Foundations in Nursing"	3 hours

(continued)

Nursing 455	change number, title, prerequisite, description	"Quantitative Methods in Nursing Research"	3 hours
Nursing 460A	change number, prerequisite, description	"Health Promotion and Protection in Adult Health Nursing"	3 hours
Nursing 460C	change number, prerequisite, description	"Health Promotion in the Nursing Care of Children"	3 hours
Nursing 460W	change number, title, prerequisite, description	"Women's Health Care I"	3 hours
Nursing 461A	change number, prerequisite	"Acute and Chronic Adult Health Nursing"	3-4 hours
Nursing 461C	change number, prerequisite	"Acute and Chronic Child Health Care"	3-4 hours
Nursing 461W	change number, title, prerequisite	"Women's Health Care II"	3-4 hours
Nursing 471NA	change number, prerequisite	"Role of Nurse Administrator"	3 hours
Nursing 471NE	change number, prerequisite	"Role of the Nurse Educator"	3 hours
Nursing 471NS/NP	change number, prerequisite	"Role of the Clinical Nurse Specialist/Nurse Practitioner"	3 hours
Nursing 472	change number, title, prerequisite, description	"Advanced Nursing Practice: Synthesis Practicum"	3 hours
Nursing 475	add	"Special Study in Graduate Nursing"	1-3 hours
Nursing 477	add	"Thesis/Directed Research Seminar"	1 hour

(continued)

Nursing 478	change number, title, hours, prerequisite, description	"Directed Research"	1-6 hours
Nursing 479	add	"Research Thesis"	1-6 hours
Nursing 572NE	drop	"Functional Role Practicum in the Role of the Nurse Educator"	3 hours
Nursing 572NS	drop	"Functional Role Practicum for the Clinical Nurse Specialist"	3 hours
JCE 116	add	"Surveying"	3 hours
JCE 241	add	"Structural Analysis"	3 hours
JCE 242	add	"Structural Design"	3 hours
JCE 252	add	"Environmental Engineering Science"	3 hours
JCE 274	add	"Hydraulics and Hydrology"	3 hours
JEP 281	add	"Topics in Engineering Management"	3 hours
Communication 336	change number	"Communication in Advertising"	3 hours
Communication 337	change number, prerequisite, description	"Male/Female Communication"	3 hours
Communication 345	change number, prerequisite	"Theory and Practice of Interviewing"	3 hours
Communication 346	change number, prerequisite, description	"Advanced Interviewing Techniques"	3 hours
English 306	add	"Adolescent Literature"	3 hours
English 365	change description	"The Nineteenth- Century English Novel"	3 hours

(continued)

English 372	change title, description	"Literature of the Late Nineteenth and Early Twentieth Centuries"	3 hours
History 371	change description	"History of Latin America: To 1808"	3 hours
Mathematics 389	add	"Topics in Mathematics"	3 hours
Computer Science 376	change description	"Operating Systems"	3 hours
Probability and Statistics 339	add	"Topics in Probability and Statistics"	3 hours
Philosophy 391	add	"Senior Seminar"	3 hours
Psychology 300	add	"Neuropharmacology & Behavior"	3 hours
Psychology 302	add	"Computers in Psychology"	3 hours
Psychology 312	change number, title, prerequisite, description	"Social Cognition"	3 hours
Psychology 374	add	"Introduction to Clinical Neuropsychology"	3 hours
Business Administration 301	change title, prerequisite, description	"Consumer Behavior"	3 hours
Nursing 464	add	"Ambulatory Care/ Case Management"	3-4 hours
JCE 308	add	"Environmental Engineering Laboratory-- Water/Soil"	3 hours
JCE 309	add	"Environmental Engineering Laboratory-- Air"	3 hours

(continued)

JCE 310	add	"Design of Timber Structures"	3 hours
JCE 319	add	"Soil Mechanics"	3 hours
JCE 320	add	"Soil Exploration and Testing"	1 hour
JCE 364	add	"Foundations"	3 hours
JCE 369	add	"Construction Management Project"	3 hours
JCE 372	add	"Legal Aspects of Construction"	3 hours
JCE 373	add	"Construction Operations and Management"	3 hours
JCE 374	add	"Economic Decisions in Engineering"	3 hours
JCE 375	add	"Introduction to Urban Planning"	3 hours
JCE 376	add	"Site Planning and Engineering"	3 hours
JCE 378	add	"Knowledge-Based Expert Systems in Civil Engineering"	3 hours
JCE 382	add	"Design of Water Quality Control Facilities"	3 hours
JCE 384	add	"Probabilistic Methods in Civil Engineering Design"	3 hours
JCE 399	add	"Senior Civil Engineering Seminar"	1 hour
JCHE 343	add	"Environmental Engineering Chemistry"	3 hours
JEP 337	add	"Environmental Risk Assessment"	3 hours

(continued)

JEP 361	add	"Introduction to Environmental Law and Policy"	3 hours
CNS ED 413	add	"Ethical and Professional Issues in Counseling"	3 hours
Business Administration 210	change title, prerequisite, description	"Management and Organizational Behavior"	3 hours

Note: The Committee has approved the transfer of pre-engineering courses presently listed under the Department of Physics and Astronomy in the Description of Courses to a new section, which will be designated "Engineering."

(Please see attachments for the following.)

II. The Committee recommends Senate approval for:

- A. A proposed new degree program: B.S. in Civil Engineering
 - B. A proposed new minor: Minor in Environmental Engineering Science
 - C. Proposed change in degree requirements for:
 - 1. B.A. in French
 - 2. B.A. in German
 - 3. B.A. in Spanish
 - 4. B.A. in Philosophy
 - 5. M.Ed. -- Emphasis in General Counseling
 - 6. M.Ed. -- Emphasis in Elementary School Counseling
 - 7. M.Ed. -- Emphasis in Secondary School Counseling
 - 8. M.S.N.
 - 9. B.S.B.A.
 - D. A proposed change in minor: Minor in Philosophy
 - E. A proposed change in certificate program: Photographic Studies Certificate
 - F. A revised Bulletin statement on grading policy (graduate)
-

(continued)

March 17, 1994

- I. The Committee recommends that the minimum grade necessary to satisfy the prerequisite requirements of any course be changed from C to C-.

(Note: If this recommendation is approved in principle, the Committee will recommend to the Senate specific wording for the Bulletin.)

(end)

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh / 12-8-94
 Graduate School
 (if applicable) /
 Senate C&I jma / 13-3-94
 Senate /
 Academic Affairs /
 (effective date: _____)

Page 1 of 15

UM-St. Louis/Washington University Signed: _____
 Department Department Chair Date
 Joint Undergraduate Engineering Program Signed: [Signature] _____
 School or College Dean Date 2/7/94

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

The curriculum for the Bachelor of Science in Civil Engineering has been modeled after the current undergraduate engineering curricula in place at well-respected engineering schools in the U.S. Undergraduate engineering curricula are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). Accreditation standards and curriculum requirements tend to be specifically stated and rigorously enforced by ABET and its member organizations representing specific engineering disciplines, here, the American Society of Civil Engineers.

Program description for Bulletin:

**UM-St. Louis/Washington University
 Joint Undergraduate Engineering Program
 Bachelor of Science in Civil Engineering**

General Information

The Joint Undergraduate Engineering Program of UM-St. Louis and Washington University was approved in 1993 by the University of Missouri and the Coordinating Board for Higher Education. While a pre-engineering curriculum has been in place for more than ten years, the new program will support non-traditional, place-bound students who wish to pursue a bachelor's degree in engineering.

The program is designed to offer course work beyond the pre-engineering courses at UM-St. Louis and the area community colleges and on a schedule convenient for part-time students. Pre-engineering and general education courses are offered at UM-St. Louis and upper-level engineering courses are offered on the Washington University campus. Students will be admitted to the upper division program only after they have completed an acceptable pre-engineering program. Enrollment in all courses in the upper division program is limited to students who have been admitted to candidacy for the

4-11

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

Page 2 of 15

UM-St. Louis/Washington University Signed: _____
Department _____ Department Chair _____ Date _____
Joint Undergraduate Engineering Program Signed: [Signature] _____ 2/7/14
School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Bachelor of Science in Civil Engineering in the UM-St. Louis/Washington University Joint Undergraduate Engineering Program. They can earn a Bachelor of Science in Civil Engineering (BSCE).

Professional engineering degree programs are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). The BSCE has been designed to meet ABET accreditation requirements. However, ABET does not consider degree programs for accreditation before there are graduates. Thus, the first graduates of any new engineering degree program do not technically receive ABET-accredited degrees. Once the program is accredited by ABET, previous graduates are typically treated as if they had received accredited degrees for matters such as professional engineering licensure.

Admission

Admission to candidacy for this degree is granted jointly by the University of Missouri-St. Louis and Washington University.

Normally admission is granted to persons who have completed the pre-engineering program with a minimum grade point average of 2.75 over all mathematics, chemistry, physics and introductory engineering courses (statics, dynamics, and engineering graphics).

(Do Not Write in This Space)
initials/date

ROUTING: _____
Academic Affairs dh 12-8-94
Graduate School _____
(if applicable) _____
Senate C&I _____
Senate _____
Academic Affairs _____
(effective date: _____)

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

Page 3 of 15

UM-St. Louis/Washington University Signed: _____
 Department Department Chair Date
 Joint Undergraduate Engineering Program Signed: [Signature] 2/7/94
 School or College Dean Date

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Degree Requirements

A program of 137 semester hours is required for the Bachelor of Science in Civil Engineering, as shown below.

All majors must complete the University General Education Requirements, the Pre-Engineering Requirements and the Core Engineering Requirements for the BSCE. Except with special permission of the program faculty, students must first complete JEMT 217, Engineering Mathematics, with a minimum grade of C, to be eligible to take the other upper-level engineering courses (those with course numbers starting with the letter "J"). A minimum grade of C is necessary to meet the prerequisite requirement for any course, as well as in JEC 210.

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh 12/8/94
 Graduate School _____/
 (if applicable) _____/
 Senate C&I _____/
 Senate _____/
 Academic Affairs _____/
 (effective date: _____)

SENATE PROPOSAL FORM FOR (check one): () NEW DEGREE PROGRAM
 () NEW MINOR
 () NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh 2-8-94
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____
 (effective date: _____)

Page 4 of 15

UM-St. Louis/Washington University Signed: _____
 Department Department Chair Date
 Joint Undergraduate Engineering Program Signed: [Signature] _____
 School or College Dean Date 2/7/94

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? () no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Course Title	Total	Engineering Design	Engineering Science
	Pre-Engineering Requirements, 68 Semester Hours			
Mathematics 80	Analytic Geometry/Calculus I	5		
Mathematics 175	Analytic Geometry/Calculus II	5		
Mathematics 180	Analytic Geometry/Calculus III	5		
Mathematics 202	Introduction to Differential Equations	3		
Chemistry 11	Introductory Chemistry I	5		
Chemistry 12	Introductory Chemistry II	5		
Physics 111	Physics: Mechanics & Heat	5		
Physics 112	Physics: Electricity, Magnetism & Optics	5		
Engineering 30	Engineering Graphics	3	1	2
Engineering 144	Statics	3		3

Table continues...

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh 12-8-94
 Graduate School _____/
 (if applicable) _____/
 Senate C&I _____/
 Senate _____/
 Academic Affairs _____/
 (effective date: _____)

Page 5 of 15

UM-St. Louis/Washington University Signed: _____
 Department _____ Department Chair _____ Date _____
 Joint Undergraduate Engineering Program Signed: DR DeWey _____ 2/7/94
 School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Course Title	Total	Engineering Design	Engineering Science
Engineering 145	Dynamics	3		3
English 10	Composition	3		
	Humanities Electives (See note below.)	9		
	Social Sciences Electives (See note below.)	9		
Core Engineering Requirements,				
21 Semester Hours				
JCS 36	Introduction to Computing	4	2	2
JEMT 217	Engineering Mathematics	4		
JEC 210	Engineering Communications	3		
JME 220	Thermodynamics	3		3
JME 225	Materials Science	4		4
JEE 180	Introduction to Electrical Networks OR	3	0.75	2.25
JCHE 343	Environmental Engineering Chemistry*	3		

SEN: 7/88

Table continues...

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh 12-8-94
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____
 (effective date: _____)

Page 6 of 15

UM-St. Louis/Washington University Signed: _____
 Department _____ Department Chair _____ Date _____
 Joint Undergraduate Engineering Program Signed: [Signature] _____ 2/7/94
 School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? (no (yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Course Title	Total	Engineering Design	Engineering Science
	Civil Engineering Major Requirements, 48 Semester Hours			
JCE 116	Surveying	3		3
JCE 241	Structural Analysis	3	0.5	2.5
JCE 242	Structural Design	3	2.5	0.5
JCE 252	Environmental Engineering Science	3	1	2
JCE 274	Hydraulics and Hydrology	3		3
JCE 319	Soil Mechanics	3	1	2
JCE 320	Soil Exploration and Testing	1		1
JCE 374	Economic Decisions in Engineering	3	0.75	2.25
JCE 375	Introduction to Urban Planning*	3	1.5	1.5
JCE 376	Site Planning and Engineering OR	3	1.5	1.5
JCE 382	Design of Water Quality Control Facilities*	3	3	
JCE 384	Probabilistic Methods in Civil Engineering Design	3	1.5	1.5

Table continues...

SEN: 7/88

T.L.

SENATE PROPOSAL FORM FOR (check one): () NEW DEGREE PROGRAM
 () NEW MINOR
 () NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh / 12894
 Graduate School _____ / _____
 (if applicable)
 Senate C&I _____ / _____
 Senate _____ / _____
 Academic Affairs _____ / _____
 (effective date: _____)

Page 7 of 15

UM-St. Louis/Washington University Signed: _____
 Department Department Chair Date
 Joint Undergraduate Engineering Signed: W. W. W. W. _____
 Program Dean Date 2/7/94
 School or College

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? (no) (yes)--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Course Title	Total	Engineering Design	Engineering Science
JCE 399	Senior Civil Engineering Seminar	1		
JCE 372	Legal Aspects of Construction OR	3		
JEP 361	Introduction to Environmental Law and Policy*	3		
JME 141	Mechanics of Deformable Bodies	3	0.5	2.5
JME 270	Fluid Mechanics and	3		3
JME 280	Fluid Mechanics Laboratory	1		1
	Electives (200-399)	6	0-6	6-0
	Total for B.S. in Civil Engineering	137	≥16	≥32

* Required courses for CE majors to earn the Minor in Environmental Engineering Science, plus JEP 337 and either JCE 308 or JCE 309.

T.L.

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

Page 8 of 15

UM-St. Louis/Washington University Signed: _____
Department _____ Department Chair _____ Date _____
Joint Undergraduate Engineering Signed: J. R. DeBruin _____ 2/7/94
Program School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Note for Humanities and Social Sciences Electives. The student's choice of humanities and social sciences electives must meet both the UM-St. Louis General Education Requirements and the Humanities and Social Sciences Requirements of the Joint Undergraduate Engineering Program. Check with your adviser for details. In particular:

- A course in American history or government, or in Missouri history or government must be included.
- The cultural diversity requirement must be fulfilled.
- At least 8 credit hours must be in one department or area within humanities or social sciences; of these 8 credit hours, at least 1 credit hour must be in a course at the junior level or higher, taken at a four-year institution.
- Some courses that fulfill the humanities [H] or social sciences [SS] breadth of study requirement do not count as Humanities and Social Sciences Electives; an example would be a statistics course taught in economics or psychology. See the Office of the Joint Undergraduate Engineering Program for a listing of courses that do not count as Humanities or Social Sciences Electives in this program, or check with your adviser.

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh/28-94
Graduate School _____
(if applicable) _____
Senate C&I _____
Senate _____
Academic Affairs _____
(effective date: _____)

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

Page 9 of 15

UM-St. Louis/Washington University Signed: _____
 Department _____ Department Chair _____ Date _____
 Joint Undergraduate Engineering Program Signed: JP Bailey _____ 2/7/94
 School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Engineering Design and Engineering Science Requirements

The number of semester hours assigned to each engineering course in the Joint Undergraduate Engineering Program is further divided into four categories of content: engineering design, engineering science, basic science, and other, as shown below.

All civil engineering majors must complete a curriculum that contains at least 16 semester hours of engineering design and 32 semester hours of engineering science content. Some civil engineering majors may need to choose specific electives at the 200 and 300 level to meet these requirements. Transfer courses from other institutions do not necessarily have the same engineering science and engineering design content as their equivalents in the UM-St. Louis/ Washington University Joint Undergraduate Engineering Program. Students who include transfer courses in their curricula should consult with their advisers to be sure that these requirements are met.

T.L.

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh 1/28-94
 Graduate School _____/
 (if applicable) _____/
 Senate C&I _____/
 Senate _____/
 Academic Affairs _____/
 (effective date: _____)

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dk / 12-8-94
Graduate School _____ / _____
(if applicable)
Senate C&I _____ / _____
Senate _____ / _____
Academic Affairs _____ / _____
(effective date: _____)

Page 10 of 15

UM-St. Louis/Washington University Signed: _____
Department Department Chair Date
Joint Undergraduate Engineering Signed: MR. [Signature] 2/7/94
Program Dean Date
School or College

Bachelor of Science in Civil Engineering
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Contents of Engineering Courses in the Joint Undergraduate Engineering Program

Course Number	Semester Hours	Engineering Design	Engineering Science	Basic Science	Other
Engineering 30	3.0	1.0	2.0	0.0	0.0
Engineering 144	3.0	0.0	3.0	0.0	0.0
Engineering 145	3.0	0.0	3.0	0.0	0.0
JCS 36	4.0	2.0	2.0	0.0	0.0
JCHE 343	3.0	0.0	0.0	3.0	0.0
JEC 210	3.0	0.0	0.0	0.0	3.0
JEMT 217	4.0	0.0	0.0	4.0	0.0

Table continues...

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh / 2-8-94
 Graduate School _____/
 (if applicable) _____/
 Senate C&I _____/
 Senate _____/
 Academic Affairs _____/
 (effective date: _____)

Page 11 of 15

UM-St. Louis/Washington University Signed: _____
 Department _____ Department Chair _____ Date _____
 Joint Undergraduate Engineering Program Signed: [Signature] _____ 2/7/94
 School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Semester Hours	Engineering Design	Engineering Science	Basic Science	Other
JCE 116	3.0	0.0	3.0	0.0	0.0
JCE 241	3.0	0.5	2.5	0.0	0.0
JCE 242	3.0	2.5	0.5	0.0	0.0
JCE 252	3.0	1.0	2.0	0.0	0.0
JCE 274	3.0	0.0	3.0	0.0	0.0
JCE 308	3.0	0.0	2.0	1.0	0.0
JCE 309	3.0	0.0	2.0	1.0	0.0
JCE 310	3.0	3.0	0.0	0.0	0.0
JCE 319	3.0	1.0	2.0	0.0	0.0

Table continues...

SEN: 7/88

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh/2-8-94
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____
 (effective date: _____)

Page 12 of 15

UM-St. Louis/Washington University Signed: _____
 Department Department Chair Date
 Joint Undergraduate Engineering Signed: [Signature] _____
 Program Dean Date 2/7/94
 School or College

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Semester Hours	Engineering Design	Engineering Science	Basic Science	Other
JCE 320	1.0	0.0	1.0	0.0	0.0
JCE 364	3.0	3.0	0.0	0.0	0.0
JCE 369	3.0	3.0	0.0	0.0	0.0
JCE 372	3.0	0.0	0.0	0.0	3.0
JCE 373	3.0	0.0	2.0	0.0	1.0
JCE 374	3.0	0.75	2.25	0.0	0.0
JCE 375	3.0	1.5	1.5	0.0	0.0
JCE 376	3.0	1.5	1.5	0.0	0.0
JCE 278	3.0	1.0	2.0	0.0	0.0

Table continues...

T.R.

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh/2-8-94
 Graduate School _____/
 (if applicable) _____/
 Senate C&I _____/
 Senate _____/
 Academic Affairs _____/
 (effective date: _____)

Page 13 of 15

UM-St. Louis/Washington University Signed: _____
 Department _____ Department Chair _____ Date _____
 Joint Undergraduate Engineering Program Signed: [Signature] _____
 School or College _____ Dean _____ Date 2/7/94

Bachelor of Science in Civil Engineering
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Semester Hours	Engineering Design	Engineering Science	Basic Science	Other
JCE 382	3.0	3.0	0.0	0.0	0.0
JCE 384	3.0	1.5	1.5	0.0	0.0
JCE 399	1.0	0.0	0.0	0.0	1.0
JCE 372	3.0	0.0	0.0	0.0	3.0
JEP 281	3.0	1.5	1.5	0.0	0.0
JEP 337	3.0	0.75	2.25	0.0	0.0
JEP 361	3.0	0.0	0.0	0.0	3.0

Table continues...

T.L.

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh/2-8-94
Graduate School _____/
(if applicable) _____/
Senate C&I _____/
Senate _____/
Academic Affairs _____/
(effective date: _____)

Page 14 of 15

UM-St. Louis/Washington University Signed: _____
Department _____ Department Chair _____ Date _____
Joint Undergraduate Engineering Signed: W. A. Bailey _____ 2/7/94
Program _____ Dean _____ Date _____
School or College _____

Bachelor of Science in Civil Engineering
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Course Number	Semester Hours	Engineering Design	Engineering Science	Basic Science	Other
JEE 180	3.0	0.75	2.25	0.0	0.0
JME 141	3.0	0.5	2.5	0.0	0.0
JME 220	3.0	0.0	3.0	0.0	0.0
JME 225	4.0	0.0	4.0	0.0	0.0
JME 270 and 280	4.0	0.0	4.0	0.0	0.0

T.L.

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh/2-8-94
Graduate School _____
(if applicable) _____
Senate C&I _____
Senate _____
Academic Affairs _____
(effective date: _____)

Page 15 of 15

UM-St. Louis/Washington University Signed: _____
Department _____ Department Chair _____ Date _____
Joint Undergraduate Engineering Program Signed: [Signature] _____ 2/7/94
School or College _____ Dean _____ Date _____

Bachelor of Science in Civil Engineering
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Fees
Students register on the UM-St. Louis campus and pay UM-St. Louis fees plus an Engineering fee for both pre-Engineering and Engineering courses.
Limits on enrollments are determined by the availability of resources.

For Further Information
For information about enrolling in this program, please contact the UM-St. Louis Joint Undergraduate Engineering Program at 553-6800, or the Washington University School of Engineering and Applied Science at 935-6100.

72-

SENATE PROPOSAL FORM FOR (check one):
 NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

Page 1 of 4

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh / 2-8-94
 Graduate School /
 (if applicable) /
 Senate C&I Jma / 3-3-94
 Senate /
 Academic Affairs /
 (effective date: _____)

UM-St. Louis/Washington University Signed: _____ Date _____
 Department Department Chair
 Joint Undergraduate Engineering Signed: [Signature] Date 2/7/94
 Program Dean
 School or College

Minor in Environmental Engineering Science
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

The Minor in Environmental Engineering Science has been designed to provide formal recognition that a student who is earning a Bachelor of Science in Civil, Electrical, or Mechanical Engineering has focused the course work in his or her degree program on environmental problems within the specific engineering discipline. The curriculum for the minor requires students to become conversant with the engineering science and design, as well as the legal and regulatory aspects of the environmental engineering field.

Program description for Bulletin:

**UM-St. Louis/Washington University
 Joint Undergraduate Engineering Program
 Minor in Environmental Engineering Science**

General Information

The Joint Undergraduate Engineering Program of UM-St. Louis and Washington University was approved in 1993 by the University of Missouri and the Coordinating Board for Higher Education. While a pre-engineering curriculum has been in place for more than ten years, the new program will support non-traditional, place-bound students who wish to pursue a bachelor's degree in engineering. The Minor in Environmental Engineering Science is designed to provide formal recognition to recipients of bachelor's degrees in civil, electrical, or mechanical engineering that they have acquired the education necessary for entry-level careers as environmental professionals. They will also have a solid foundation to undertake graduate-level education in environmental engineering and science.

II-13

T.L.

SENATE PROPOSAL FORM FOR (check one):
 NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date
ROUTING:
Academic Affairs dh 12/8/94
Graduate School _____
(if applicable) _____
Senate C&I _____
Senate _____
Academic Affairs _____
(effective date: _____)

Page 2 of 4

UM-St. Louis/Washington University Signed: _____
Department Department Chair Date
Joint Undergraduate Engineering Program Signed: [Signature] 2/7/94
Program Dean Date
School or College

Minor in Environmental Engineering Science
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

The program is designed to offer course work beyond the pre-engineering courses at UM-St. Louis and the area community colleges and on a schedule convenient for part-time students. Pre-engineering and general education courses are offered at UM-St. Louis and upper-level engineering courses are offered on the Washington University campus. Students will be admitted to the upper division program only after they have completed an acceptable pre-engineering program. Enrollment in all courses in the Minor in Environmental Engineering Science is limited to students who have been admitted to candidacy for the Bachelor of Science in Civil Engineering, the Bachelor of Science in Electrical Engineering, or the Bachelor of Science in Electrical Engineering in the UM-St. Louis/Washington University Joint Undergraduate Engineering Program. The minor may only be awarded to students who earn the Bachelor of Science in Civil Engineering, the Bachelor of Science in Electrical Engineering, or the Bachelor of Science in Mechanical Engineering in the UM-St. Louis/Washington University Joint Undergraduate Engineering Program.

Admission

Admission to candidacy for this minor is granted jointly by the University of Missouri-St. Louis and Washington University.

Normally admission is granted to persons who have completed the pre-engineering program with a minimum grade point average of 2.75 over all mathematics, chemistry, physics and introductory engineering courses (statics, dynamics, and engineering graphics).

T.L.-

SENATE PROPOSAL FORM FOR (check one): () NEW DEGREE PROGRAM
 (✓) NEW MINOR
 () NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

Page 3 of 4

(Do Not Write in This Space)
 initials/date

ROUTING: -
 Academic Affairs dh 2-8-94
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____
 (effective date: _____)

UM-St. Louis/Washington University Signed: _____
 Department Department Chair Date
 Joint Undergraduate Engineering Program Signed: [Signature] _____
 School or College Dean Date 2/7/94

Minor in Environmental Engineering Science
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? (✓) no () yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Requirements for the Minor

A program of 18 semester hours is required for the Minor in Environmental Engineering Science, as shown below.

JCHE 343	Environmental Engineering Chemistry	3
JCE 252	Environmental Engineering Science (EE, ME Majors) OR	3
JCE 375	Introduction to Urban Planning (CE Majors)	3
JCE 308	Environmental Engineering Laboratory - Water/Soil OR	3
JCE 309	Environmental Engineering Laboratory - Air	3
JCE 382	Design of Water Quality Control Facilities	3
JEP 337	Environmental Risk Analysis	3
JEP 361	Introduction to Environmental Law and Policy	3
	Total for Minor in Environmental Engineering Science	18

FL-

SENATE PROPOSAL FORM FOR (check one): NEW DEGREE PROGRAM
 NEW MINOR
 NEW CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh / 2-8-94
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____
 (effective date: _____)

Page 4 of 4

UM-St. Louis/Washington University Signed: _____ Date _____
 Department Department Chair
 Joint Undergraduate Engineering Signed: K. Salway 2/7/94
 Program Dean Date
 School or College

Minor in Environmental Engineering Science
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this proposal? no yes--list departments and secure sign-offs

Rationale for proposed new degree/minor/certificate:

Program description for Bulletin:

Fees

Students register on the UM-St. Louis campus and pay UM-St. Louis fees plus an Engineering fee for both pre-Engineering and Engineering courses. Limits on enrollments are determined by the availability of resources.

For Further Information

For information about enrolling in this program, please contact the UM-St. Louis Joint Undergraduate Engineering Program at 553-6800, or the Washington University School of Engineering and Applied Science at 935-6100.

T.K.

SENATE PROPOSAL FORM FOR (check one): (x) CHANGE IN DEGREE REQUIREMENTS
() CHANGE IN MINOR
() CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh/12-22-93
Graduate School
(if applicable) - / -
Senate C&I gma/13-3-94
Senate /
Academic Affairs /

Page 1 of 1

Foreign Languages and
Literatures
Department

Signed: Jeanne Morgan Jarwick 10/15/93
Department Chair Date

Arts & Sciences
School or College

Signed: Ashraf Janson/gc 12-9-93
Dean Date

Bachelor of Arts in French
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? (x) no () yes--list departments and secure sign-offs

Page number(s) 105 and year 1993/94 of most recent Bulletin listing.

Current Bulletin listing:

Proposed Bulletin listing:

Rationale:

After fulfilling the general education and specific major degree requirements, each French major must complete 15 hours of "Additional Requirements" from two or more of the following areas (listings of approved courses may be obtained in the department office): art, English, history, music, philosophy, or political science. Students who major in two foreign languages need to take the 15-hour "Additional Requirements" in only one language.

In addition to fulfilling the general education and specific major degree requirements, each French major is advised to take 15 hours of electives from two or more of the following areas: art, economics, English, history, music, philosophy, or political science. Listings of recommended courses may be obtained in the department office.

To allow students greater elective choice, while encouraging them to take courses which will add depth to their understanding of literature and civilization.

II-C-1

SEN: 7/88

T.K.

SENATE PROPOSAL FORM FOR (check one): (x) CHANGE IN DEGREE REQUIREMENTS
() CHANGE IN MINOR
() CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh / 12-22-93
Graduate School - / -
(if applicable)
Senate C&I gma / 13-3-94
Senate - / -
Academic Affairs - / -

Page 1 of 1

Foreign Languages and
Literatures
Department

Signed: Jeanne Morgan Feruchu 10/15/93
Department Chair Date

Arts & Sciences
School or College

Signed: Delmar Johnson 12-9-93
Dean Date

Bachelor of Arts in German
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? (x) no () yes--list departments and secure sign-offs

Page number(s) 105 and year 1993/94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>After fulfilling the general education and specific major degree requirements, each German major must complete 15 hours of "Additional Requirements" from two or more of the following areas (listings of approved courses may be obtained in the department office): art, English, history, music, philosophy, or political science. Students who major in two foreign languages need to take the 15-hour "Additional Requirements" in only one language.</p>	<p>In addition to fulfilling the general education and specific major degree requirements, each German major is advised to take 15 hours of electives from two or more of the following areas: art, economics, English, history, music, philosophy, or political science. Listings of recommended courses may be obtained in the department office.</p>	<p>To allow students greater elective choice, while encouraging them to take courses which will add depth to their understanding of literature and civilization.</p>

II-C-2

SEN: 7/88

T.E.

SENATE PROPOSAL FORM FOR (check one): (x) CHANGE IN DEGREE REQUIREMENTS
() CHANGE IN MINOR
() CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh/12-22-93
Graduate School - / -
(if applicable)
Senate C&I Jma/13-3-94
Senate /
Academic Affairs /

Page 1 of 1

Foreign Languages and
Literatures
Department

Signed: Jeanne Hogan Jaruch 10/15/93
Department Chair Date

Arts & Sciences
School or College

Signed: Melora Johnson 12-9-93
Dean Date

Bachelor of Arts in Spanish
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? (x) no () yes--list departments and secure sign-offs

Page number(s) 105 and year 1993/94 of most recent Bulletin listing.

Current Bulletin listing:	Proposed Bulletin listing:	Rationale:
<p>After fulfilling the general education and specific major degree requirements, each Spanish major must complete 15 hours of "Additional Requirements" from two or more of the following areas (listings of approved courses may be obtained in the department office): art, English, history, music, philosophy, or political science. Students who major in two foreign languages need to take the 15-hour "Additional Requirements" in only one language.</p>	<p>In addition to fulfilling the general education and specific major degree requirements, each Spanish major is advised to take 15 hours of electives from two or more of the following areas: art, economics, English, history, music, philosophy, or political science. Listings of recommended courses may be obtained in the department office.</p>	<p>To allow students greater elective choice, while encouraging them to take courses which will add depth to their understanding of literature and civilization.</p>

II-0-3

SEN: 7/88

T.C.

SENATE PROPOSAL FORM FOR (check one):
 CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh / 12-22-93
Graduate School - / -
(if applicable)
Senate C&I gma / 3-3-94
Senate - / -
Academic Affairs - / -

Page 1 of 5

Philosophy
Department

Signed: Laurance H. Davis 11-4-93
Department Chair Date

Arts & Sciences
School or College

Signed: Deborah Larson / DL 12-9-93
Dean Date

B.A. in Philosophy Philosophy
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 120-21 and year 1993-94 of most recent Bulletin listing.

Current Bulletin listing:

Proposed Bulletin listing:

Rationale:

Option One Designed to prepare students for graduate work in philosophy, the program requires:
1) Philosophy 160, Formal Logic
2) **History of Philosophy**
Choose alternative a or b:
a. **Two** courses from Philosophy 101-107 sequence and **one** course from Philosophy 201-210 sequence.
b. **Philosophy 10**, Western Philosophy I, and **Philosophy 11**, Western Philosophy II; **one** course from Philosophy 101-107 sequence; and **one** course from Philosophy 201-210 sequence.

Option One Designed to prepare students for graduate work in philosophy, the program requires:
1) Philosophy 160, Formal Logic
2) **History of Philosophy**
Choose alternative a or b:
a. **Two** courses from Philosophy 101-107 sequence and **one** course from Philosophy 201-210 sequence.
b. **Philosophy 10**, Western Philosophy I, and **Philosophy 11**, Western Philosophy II; **one** course from Philosophy 101-107 sequence; and **one** course from Philosophy 201-210 sequence.

4-2-4 II

T.R.

SENATE PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs _____/_____
Graduate School _____/_____
(if applicable)
Senate C&I _____/_____
Senate _____/_____
Academic Affairs _____/_____

Page 2 of 5

Philosophy
Department

Signed: *Lawrence H. Davis* 11-4-93
Department Chair Date

Arts & Science
School or College

Signed: _____
Dean Date

Philosophy
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 120-21 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>3) Normative Philosophy One course from the following: Philosophy 230, Social and Political Philosophy Philosophy 235, Classical Ethical Theories Philosophy 238, Recent Ethical Theory Philosophy 269, The Marxist Heritage</p> <p>4) One of the following courses: Philosophy 240, Theories of Knowledge Philosophy 245, Metaphysics</p> <p>5) Philosophy and Other Disciplines One course from the Philosophy 270-290 sequence.</p>	<p>3) Normative Philosophy One course from the following: Philosophy 230, Social and Political Philosophy Philosophy 235, Classical Ethical Theories Philosophy 238, Recent Ethical Theory Philosophy 269, The Marxist Heritage</p> <p>4) One of the following courses: Philosophy 240, Theories of Knowledge Philosophy 245, Metaphysics</p> <p>5) Philosophy and Other Disciplines One course from the Philosophy 270-290 sequence.</p> <p>6) Philosophy 391, Senior Seminar.</p>	<p>Requiring the new Senior Seminar for all three options will satisfy the new general education requirements.</p>

SENATE PROPOSAL FORM FOR (check one):

- CHANGE IN DEGREE REQUIREMENTS
 - CHANGE IN MINOR
 - CHANGE IN CERTIFICATE PROGRAM
- (See Instructions on Reverse)

(Do Not Write in This Space)
initials/date.

ROUTING:

Academic Affairs _____/_____
 Graduate School _____/_____
 (if applicable) _____/_____
 Senate C&I _____/_____
 Senate _____/_____
 Academic Affairs _____/_____

Page 3 of 5

Philosophy
Department

Signed: Laura H Davi 11-4-97
Department Chair Date

Arts & Sciences
School or College

Signed: _____
Dean Date

Philosophy
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no () yes--list departments and secure sign-offs

Page number(s) 120-21 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>When appropriate, Philosophy 250, Special Topics in Philosophy, may be used to satisfy the requirement of number 3,4, or 5. Students in this program should take Greek, Latin, French, or German to satisfy the foreign language requirement.</p>	<p>When appropriate, Philosophy 250, Special Topics in Philosophy, may be used to satisfy the requirements of Number 3, 4, or 5. Students in this program should take Greek, Latin, French, or German to satisfy the foreign language requirement.</p>	
<p>Option Two Less restrictive, this option is intended for general liberal arts students or students whose special interests, such as prelaw preparation, do not fall clearly into any one traditional academic department. Requirements include:</p>	<p>Option Two Less restrictive, this option is intended for general liberal arts students whose special interests, such as prelaw preparation, do not fall clearly into any one traditional academic department. Requirements include:</p>	

SENATE PROPOSAL FORM FOR (check one):

- CHANGE IN DEGREE REQUIREMENTS
 - CHANGE IN MINOR
 - CHANGE IN CERTIFICATE PROGRAM
- (See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:

Academic Affairs _____ / _____
 Graduate School _____ / _____
 (if applicable)
 Senate C&I _____ / _____
 Senate _____ / _____
 Academic Affairs _____ / _____

Page 4 of 5

Philosophy
Department

Signed: J. Lawrence H. Davis
Department Chair

11-4-93
Date

Arts & Sciences
School or College

Signed: _____
Dean

Date

Philosophy
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 120-21 and year 1993-94 of most recent Bulletin listing.

Current Bulletin listing:

Proposed Bulletin listing:

Rationale:

1) Philosophy 160, Formal Logic
 2) History of Philosophy
 Choose alternative a or b:
 a. two courses from the following:
 Philosophy 101-107 sequence
 Philosophy 201-210 sequence
 b. Philosophy 10, Western Philosophy I, and Philosophy 11, Western Philosophy II, and one course from the following:
 Philosophy 101-107 sequence
 Philosophy 201-210 sequence
 3) Twelve hours at the 200 level.
 Option Three Open only to students seeking a double major, the option requires:

1) Philosophy 160, Formal Logic
 2) History of Philosophy
 Choose alternative a or b:
 a. two courses from the following:
 Philosophy 101-107 sequence
 Philosophy 201-210 sequence
 b. Philosophy 10, Western Philosophy I, and Philosophy 11, Western Philosophy II, and one course from the following:
 Philosophy 101-107 sequence
 Philosophy 201-210 sequence
 3) Philosophy 391, Senior Seminar
 4) A total of twelve (12) hours or more at the 200 level or above.
 Option Three Open only to students seeking a double major, the option requires

SENATE PROPOSAL FORM FOR (check one):

- CHANGE IN DEGREE REQUIREMENTS
 - CHANGE IN MINOR
 - CHANGE IN CERTIFICATE PROGRAM
- (See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:

Academic Affairs	_____ / _____
Graduate School	_____ / _____
(if applicable)	_____ / _____
Senate C&I	_____ / _____
Senate	_____ / _____
Academic Affairs	_____ / _____

Page 5 of 5

Philosophy
Department

Signed: *J. Lawrence H. Davis* 11-4-97
Department Chair Date

Arts & Sciences
School or College

Signed: _____
Dean Date

Philosophy
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 120-21 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
1) Philosophy 60 , Logic and Language, or Philosophy 160 , Formal Logic 2) History of Philosophy choose alternative a or b: a. Two courses from the following: Philosophy 101-107 sequence Philosophy 201-210 sequence b. Philosophy 10 , Western Philosophy I, and Philosophy 11 , Western Philosophy II, and one course from the following: Philosophy 101-107 sequence Philosophy 201-210 sequence 3) Nine hours at the 200 level	1) Philosophy 60 , Logic and Language, or Philosophy 160 , Formal Logic 2) History of Philosophy Choose alternative a or b: a. Two courses from the following: Philosophy 101-107 sequence Philosophy 201-210 sequence b. Philosophy 10 , Western Philosophy I, and Philosophy 11 , Western Philosophy II, and one course from the following: Philosophy 101-107 sequence Philosophy 201-210 sequence 3) Philosophy 391 , Senior Seminar 4) A total of nine (9) hours or more at the 200 level or above.	

T.C.

SENATE PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh / 12-14-93
Graduate School MM / 11-11-94
(if applicable)
Senate C&I gma / 13-3-94
Senate _____ / _____
Academic Affairs _____ / _____

Page 1 of 3

BEHAVIORAL STUDIES
Department

Signed: [Signature] 9-27-93
Department Chair Date


EDUCATION
School or College

Signed: [Signature] 11-8-93
Dean Date

MASTER OF EDUCATION (M.Ed.): Emphasis in General Counseling
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 176 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
	Please see pages 2 and 3.	<div style="text-align: center;">  </div>

T.L.

CHANGE IN DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT
SCHOOL OF EDUCATION

MASTER OF EDUCATION: Emphasis in General Counseling .

Page 2 of 3

Page number(s) 176 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>Master of Education: Emphasis in General Counseling</p> <p>The General Counseling emphasis area allows flexibility for developing counseling programs appropriate to particular nonschool settings. Students must have their adviser's approval before taking other than required courses.</p> <p>Students should consult advisers about the requirements for licensure as a professional counselor.</p> <p>Core Curriculum The following courses in Counselor Education (CNS ED) are required:</p> <p>327, Personal and Professional Development in Counseling 411, Theories of Counseling 414, Individual Inventory 420, Group Procedures in Counseling 443, Career Development 490, Internship 493, Guidance Practicum I 494, Guidance Practicum II 495, Foundations for Multicultural Counseling</p> <p>final08.wp</p>	<p>Master of Education: Emphasis in General Counseling</p> <p>The General Counseling emphasis allows flexibility for developing programs appropriate to particular nonschool settings. Students must have their adviser's approval before taking other than required courses.</p> <p>Core Curriculum The courses listed below meet the course work requirements for the M.Ed. degree and license to practice as a professional counselor:</p> <p>Counselor Education (CNS ED)</p> <p>CNS ED 410, Personal and Professional Development in Counseling CNS ED 411, Theories of Counseling CNS ED 414, Individual Inventory CNS ED 420, Group Procedures in Counseling CNS ED 443, Career Development CNS ED 490, Internship (1-10) CNS ED 493, Guidance Practicum I CNS ED 494, Guidance Practicum II CNS ED 495, Foundations for Multicultural Counseling CNS ED 413, Ethical and Professional Issues Counseling</p>	<p>Change in the Number of Required Courses</p> <p>The designation of additional required courses within the current 48 semester hour sequence will enable students to complete the specific course work needed for the license to practice as a professional counselor.</p>

T.L.

CHANGE IN DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT

SCHOOL OF EDUCATION

MASTER OF EDUCATION: Emphasis in General Counseling

Page 3 of 3

Page number(s) 176 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>Psychological Foundations and Human Development At least one course from the following Educational Psychology (ED PSY) courses: 411, Psychology of Education 413, Personality Development and Adjustment 417, Psychology of the Elementary School Child 418, Psychology of Adolescence</p> <p>Educational Research and Evaluation Methods The following courses are required: ED REM 421, Educational and Psychological Measurement ED REM 431, Educational Research Methods I</p> <p>Area of Specialization (15 hours) Course work in the area of specialization is to be selected in consultation with advisers.</p> <p>final09.wp</p>	<p>Psychological Foundations and Human Development (ED PSY) The following course is required: ED PSY 413, Personality Development and Adjustment</p> <p>Educational Research and Evaluation Methods (ED REM) The following courses are required: ED REM 421, Educational and Psychological Measurement ED REM 431, Educational Research Methods I</p> <p>Area of Specialization (9 hours) Course work in the area of specialization is to be selected in consultation with advisers.</p>	<p>Change in the Number of Required Courses</p> <p>The designation of additional required courses within the current 48 semester hour sequence will enable students to complete the specific course work needed for the license to practice as a professional counselor.</p>

EMPHASIS PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
 (See Instructions on Reverse)

T.L.

(Do Not Write in This Space)
 initials/date

Page 1 of 4

ROUTING:
 Academic Affairs dh / 12-14-93
 Graduate School JM / 11-11-93
 (if applicable)
 Senate C&I JM / 3-3-94
 Senate _____
 Academic Affairs _____

BEHAVIORAL STUDIES
 Department

Signed: [Signature] 9-27-93
 Department Chair Date


SCHOOL OF EDUCATION
 School or College

Signed: [Signature] 11-8-93
 Dean Date

MASTER OF EDUCATION: Emphasis in Elementary School Counseling
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 176 and year 1993-1994 of most recent Bulletin listing.

Current Bulletin listing:	Proposed Bulletin listing:	Rationale:
	See pages 2 through 4.	<div style="text-align: center;">  </div> <p style="text-align: right;">SEN: 7/88</p>

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>Master of Education: Emphasis in Elementary School Counseling</p> <p>The courses listed below meet both M.Ed. degree and certification requirements for those who have completed their work prior to September, 1988. Those who did not receive certification by that date should consult their adviser now for the new requirements. At this time the degree may be completed without obtaining certification providing:</p> <p>CNS ED 327, Personal and Professional Development in Counseling</p> <p>Ed Psy 411, Psychology of Education</p> <p>CNS ED 411, Theories of Counseling</p> <p>CNS ED 420, Group Procedures in Counseling</p> <p>CNS ED 493, Guidance Practicum I</p> <p>CNS ED 494, Guidance Practicum II</p> <p>final02.wp</p>	<p>Master of Education: Emphasis in Elementary School Counseling</p> <p>The courses listed below meet the course work requirements for the M.Ed. degree, state certification, and licensing as a professional counselor:</p> <p>Counselor Education (CNS ED)</p> <p>CNS ED 410, Personal and Professional Development in Counseling</p> <p>CNS ED 411, Theories of Counseling</p> <p>CNS ED 414, Individual Inventory</p> <p>CNS ED 420, Group Procedures in Counseling</p> <p>CNS ED 431, Foundations of School Guidance</p> <p>CNS ED 443, Career Development</p> <p>CNS ED 490, Internship (1-10)</p> <p>CNS ED 493, Guidance Practicum I</p> <p>CNS ED 495, Foundations for Multicultural Counseling</p> <p>CNS ED 413, Ethical and Professional Issues in Counseling</p>	<p>Change in Degree Requirements from 32 to 48 Semester Hours</p> <p>Currently, a degree in elementary or secondary counseling can be obtained with 32 semester hours of course work. Additional course work is required to meet both the requirements for a state certificate issued by the Department of Elementary & Secondary Education and the license to practice as a professional counselor. With the change from 32 semester hours to 48 semester hours, an individual can complete the course work for the M.Ed. degree, state certification, and license requirements at the same time.</p> <p>SEN:7/88</p>

T.C.

CHANGE IN DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT

SCHOOL OF EDUCATION

MASTER OF EDUCATION: Emphasis in Elementary School Counseling

Page 3 of 4

Page number(s) 176 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>are included in the program. Students should check with their advisers about teaching and noneducational work experience requirements for certification, as well as course prerequisites and sequencing.</p> <p>Area of Specialization</p> <p>In addition to the above, the following Counselor Education (CNS ED) courses are required for certification in elementary school counseling:</p> <p>327, Personal and Professional Development in Counseling 411, Theories of Counseling 414, Individual Inventory 420, Group Procedures in Counseling 431, Foundations of School Guidance 443, Career Development 490, Internship 493, Guidance Practicum I</p> <p>Psychological Foundations and Human Development</p> <p>ED PSY 411, Psychology of Education ED PSY 413, Personality Development and Adjustment</p> <p>final03.wp</p>	<p>Psychological Foundations and Human Development (ED PSY)</p> <p>ED PSY 411, Psychology of Education ED PSY 413, Personality Development and Adjustment ED PSY 417, Psychology of the Elementary School Child</p> <p>Educational Research and Evaluation Methods (ED REM)</p> <p>ED REM 421, Educational and Psychological Measurement ED REM 422, Individual Assessment of Cognitive Abilities ED REM 431, Educational Research Methods I</p>	<p>SEN:7/88</p>

CHANGE OF DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT

MASTER OF EDUCATION: Emphasis in Elementary School Couhseling

SCHOOL OF EDUCATION

Page 4 of 4

Page number(s) 176 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>ED PSY 417, Psychology of the Elementary School Child</p> <p>*SPC ED 412, Psychology of Exceptional Children, or SPC ED 313, The Psychology and Education of Exceptional Individuals</p> <p>*SPC ED 313 or SPC ED 412 is required for certification if it has not been taken previously at the undergraduate or graduate level. It is not a degree requirement.</p> <p>Educational Research and Evaluation Methods</p> <p>ED REM 421, Educational and Psychological Measurement</p> <p>ED REM 422, Individual Assessment of Cognitive Abilities</p> <p>ED REM 431, Educational Research Methods I</p> <p>final04.wp</p>		<p>SEN:7/88</p>

SENATE PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh 12-14-93
 Graduate School DM 11-18-93
 (if applicable)
 Senate C&I gma 3-3-94
 Senate _____
 Academic Affairs _____

Page 1 of 4

BEHAVIORAL STUDIES
 Department

Signed: [Signature] 1-27-93
 Department Chair Date


SCHOOL OF EDUCATION
 School or College

Signed: [Signature] 11-8-93
 Dean Date

MASTER OF EDUCATION: Emphasis in Secondary School Counseling
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 176-177 and year 1993-1994 of most recent Bulletin listing.

Current Bulletin listing:	Proposed Bulletin listing:	Rationale:
	See pages 2 through 4.	<div style="text-align: center;">  </div> <p style="text-align: right;">SEN: 7/88</p>

T.L. -

Page number(s) 176-177 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>Master of Education: Emphasis in Secondary School Counseling</p> <p>The courses listed below meet both M.Ed. degree and certification requirements for those who have completed their work prior to September, 1988. Those who did not receive certification by that date should consult their adviser now for the new requirements. At this time the degree may be completed without obtaining certification providing:</p> <p>CNS ED 327, Personal and Professional Development in Counseling ED PSY 411, Psychology of Education CNS ED 411, Theories of Counseling CNS ED 420, Group Procedures in Counseling CNS ED 493, Guidance Practicum I CNS ED 494, Guidance Practicum II</p> <p>final05.wp</p>	<p>Master of Education: Emphasis in Secondary School Counseling</p> <p>The courses listed below meet the course work requirements for the M.Ed. degree, state certification, and licensing as a professional counselor:</p> <p>Counselor Education (CNS ED)</p> <p>CNS ED 410, Personal and Professional Development in Counseling CNS ED 411, Theories of Counseling CNS ED 414, Individual Inventory CNS ED 420, Group Procedures in Counseling CNS ED 431, Foundations of School Guidance CNS ED 443, Career Development or CNS ED 442, Career Information CNS ED 490, Internship (1-10) CNS ED 493, Guidance Practicum I CNS ED 495, Foundations for Multicultural Counseling CNS ED 413, Ethical and Professional Issues in Counseling</p>	<p>Change in Degree Requirements from 32 to 48 Semester Hours</p> <p>Currently, a degree in elementary or secondary counseling can be obtained with 32 semester hours of course work. Additional course work is required to meet both the requirements for a state certificate issued by the Department of Elementary & Secondary Education and the license to practice as a professional counselor. With the change from 32 semester hours to 48 semester hours, an individual can complete the course work for the M.Ed. degree, state certification, and license requirements at the same time.</p> <p>SEN:7/88</p>

T.L.

CHANGE OF DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT

MASTER OF EDUCATION: Emphasis in Secondary School Counseling

SCHOOL OF EDUCATION

Page 3 of 4

Page number(s) 176-177 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>are included in the program. Students should check with their advisers about teaching and noneducational work experience requirements for certification, as well as course prerequisites and sequencing.</p> <p>Area of Specialization</p> <p>The following Counselor Education (CNS ED) courses are required for certification in secondary school counseling:</p> <p>327, Personal and Professional Development in Counseling 411, Theories of Counseling 414, Individual Inventory 420, Group Procedures in Counseling 431, Foundations of School Guidance 442, Career Information, or 443, Career Development 490, Internship 493, Guidance Practicum I</p> <p>Psychological Foundations and Human Development At least one of the following: ED PSY 411, Psychology of Education ED PSY 413, Personality Development and Adjustment</p> <p>final06.wp</p>	<p>Psychological Foundations and Human Development (ED PSY)</p> <p>ED PSY 411, Psychology of Education ED PSY 413, Personality Development and Adjustment ED PSY 418, The Psychology of Adolescence</p> <p>Educational Research and Evaluation Methods (ED REM)</p> <p>ED REM 421, Educational and Psychological Measurement ED REM 422, Individual Assessment of Cognitive Abilities ED REM 431, Educational Research Methods I</p>	<p>Change in Degree Requirements from 32 to 48 Semester Hours</p> <p>Currently, A degree in elementary or secondary counseling can be obtained with 32 semester hours of course work. Additional course work is required to meet both the requirements for a state certificate issued by the Department of Elementary & Secondary Education and the license to practice as a professional counselor. With the change from 32 semester hours to 48 semester hours, an individual can complete the course work for the M.Ed. degree, state certification, and license requirements at the same time.</p>

T.C.

CHANGE OF DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT

MASTER OF EDUCATION: Emphasis in Secondary School Counseling

SCHOOL OF EDUCATION

Page 4 of 4

Page number(s) 176-177 and year 1993-94 of most recent Bulletin listing.

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>Note *SPC ED 313 or SPC ED 412 is required for certification if it has not been taken previously at the undergraduate or graduate level. It is not a degree requirement.</p> <p>Educational Research and Evaluation Methods</p> <p>ED REM 421, Educational and Psychological Measurement ED REM 422, Individual Assessment of Cognitive Abilities ED REM 431, Educational Research Methods I</p> <p>final07.wp</p>		

SENATE PROPOSAL FORM FOR (check one): **CHANGE IN DEGREE REQUIREMENTS**
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
 (See Instructions on reverse)

T.L.

(Do Not Write in This Space)

Page 1 of 5

ROUTING: Initials/ Date
 Academic Affairs [Signature] 11-2-16
 Graduate School
 (if applicable) [Signature] 11/18/94
 Senate C&I [Signature] 13-3-94
 Senate 1
 Academic Affairs 1

Department _____ Signed: _____ Date _____
 Department Chair
Nursing Signed: [Signature] 12/7/93
 School or College _____ Dean _____ Date _____

Master of Science in Nursing Degree
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes -- List departments and secure sign-offs

Page number(s) 211-212 and year 1993-94 of most recent **Bulletin** listing.

Current Bulletin listing:	Proposed Bulletin listing:	Rationale:
<p>Cooperative Graduate Programs in Nursing</p> <p>Master of Science in Nursing The Schools of Nursing at the University of Missouri-St. Louis and the University of Missouri-Kansas City offer a Cooperative Graduate Nursing Program on the St. Louis campus. The program requires 36 semester credits to complete and is fully accredited by the National League for Nursing. The full-time student, taking nine credits a semester, can complete the program in four semesters.</p> <p>Students may choose one of the three Clinical majors: Health Care of the Adult Health Care of Children Health Care of Women</p> <p>In addition, the student may select one of four functional role areas: Education, Administration, Clinical Nurse Specialist, or Nurse Practitioner.</p>	<p>Graduate Studies</p> <p>Master of Science in Nursing The School of Nursing at St. Louis, in cooperation with the School of Nursing at University of Missouri-Kansas City, offers graduate nursing studies in three areas of clinical specialization: Health Care of the Adult Health Care of the Child Health Care of Women (includes perinatal)</p> <p>This graduate program offers students two ways of completing the Master of Science in Nursing Degree: one means is through completion of a minimum of 36 credit hours with functional role emphasis in administration, education or clinical specialization; the second concentrates on the functional role of practitioner with completion of a minimum of 43 credit hours. Those selecting the practitioner functional role option will be eligible to complete national certification examinations.</p>	<p>The proposed Bulletin listing more clearly describes the master's program.</p> <p style="text-align: right; border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;">II-C-8</p>

SENATE PROPOSAL FORM FOR (check one): (X) CHANGE IN DEGREE REQUIREMENTS
 () CHANGE IN MINOR
 () CHANGE IN CERTIFICATE PROGRAM
 (See Instructions on reverse)

T.L.

(Do Not Write in This Space)

ROUTING: Initials/ Date
 Academic Affairs KJ 12-16-93
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____

Page 2 of 5

Signed: _____ Date _____
 Department Nursing Department Chair _____
 School or College _____ Dean [Signature] Date 12/14/93

Master of Science in Nursing Degree

Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? (X) no () yes -- List departments and secure sign-offs

Page number(s) 211-212 and year 1993-94 of most recent *Bulletin* listing.

Current <i>Bulletin</i> listing:	Proposed <i>Bulletin</i> listing:	Rationale:
<p>Admission Requirements</p> <p>Program applicants must have the following:</p> <ol style="list-style-type: none"> 1) B.S.N. from NLN-accredited college/university-based program or from a B.S.N. program comparable to UM-St. Louis School of Nursing's B.S.N. program. 2) Minimum cumulative grade point average of 3.0. 3) Acceptance to Nurse Practitioner option is available on a limited basis. Interview is required. <p>Matriculation Requirements</p> <ol style="list-style-type: none"> 1) Current Missouri licensure. 2) Basic Cardiac Life Support Certification. 3) Graduate Record Examination. 4) Upper-division or comparable statistics course with minimum grade of "B." 5) Free standing health assessment course with minimum grade of "B" or integrated courses approved by submission of syllabi. 	<p>Admission Requirements</p> <p>Applicants must meet the following:</p> <ol style="list-style-type: none"> 1) B.S.N. from NLN-accredited nursing program or B.S.N. program comparable to UM-St. Louis School of Nursing's B.S.N. program. 2) Minimum cumulative grade point average of 3.0 (4.0 scale). 3) Current professional nurse licensure with eligibility for licensure in Missouri. 4) Basic cardiac life support certification. 5) Successful completion of an undergraduate descriptive and inferential statistics course. 6) Successful completion of an undergraduate health assessment course. 7) Nurse practitioner functional option is available on a limited basis and requires a two-step admission process: initial admission to the M.S.N. followed by application to the practitioner functional role. 	<p>The proposed statement more accurately reflects admission requirements.</p>

SENATE PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
 (See Instructions on reverse)

(Do Not Write in This Space)

ROUTING:- Initials/ Date
 Academic Affairs KG / 11/21/16⁰³
 Graduate School _____ / _____
 (if applicable) _____ / _____
 Senate C&I _____ / _____
 Senate _____ / _____
 Academic Affairs _____ / _____

Page 3 of 5

Department _____ Signed: _____ Date _____
 Department Chair
 School or College _____ Signed: Shirley Almonte Date 12/14/93
 Dean

Master of Science in Nursing Degree
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes -- List departments and secure sign-offs

Page number(s) 211-212 and year 1993-94 of most recent *Bulletin* listing.

Current <i>Bulletin</i> listing:	Proposed <i>Bulletin</i> listing:	Rationale:
See an academic adviser in the School of Nursing for specific courses in the M.S. in Nursing program.	<p align="center">Degree Requirements</p> <p>Core courses (Completed by all students)</p> <p>N 404 Health Assessment for Advanced Nursing Practice *</p> <p>N 445 Foundations of Advanced Nursing Practice</p> <p>N 448 Pathophysiology for Advanced Nursing Practice</p> <p>N 450 Theoretical Foundations in Nursing</p> <p>N 455 Quantitative Methods in Nursing Research</p> <p>N 472 Advanced Practice Nursing: Synthesis Practicum *</p> <p>Emphasis courses* (Students must complete one course from each focal area)</p> <p>Health Promotion Focus</p> <p>N 460A Health Promotion and Protection in Adult Health Nursing</p> <p>N 460C Health Promotion in the Nursing Care of Children</p> <p>N 460W Women's Health Care</p>	Inclusion of courses provides a more comprehensive overview of the program.

SENATE PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
(See Instructions on reverse)

T.L.

(Do Not Write in This Space)

ROUTING: Initials/ Date
Academic Affairs KJ/12-16-93
Graduate School _____
(if applicable) _____
Senate C&I _____
Senate _____
Academic Affairs _____

Page 4 of 5

Department _____ Signed: _____ Date _____
Department Chair
Nursing Signed: Shirley Almaraz Date 12/14/93
School or College _____ Dean _____

Master of Science in Nursing Degree
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes -- List departments and secure sign-offs

Page number(s) 211-212 and year 1993-94 of most recent *Bulletin* listing.

Current <i>Bulletin</i> listing:	Proposed <i>Bulletin</i> listing:	Rationale:
	<p align="center">Degree Requirements (Continued)</p> <p>Acute and Chronic Nursing Care Focus N 461A Acute and Chronic Adult Health Nursing N 461C Acute and Chronic Child Health Nursing N 461W Women's Health Care: Maternal-Newborn</p> <p>Functional role courses</p> <p>Role Foundation (Students must complete one course) N 471NA Role of the Nurse Administrator N 471NE Role of the Nurse Educator N 471NS/NP Role of the Clinical Specialist/Nurse Practitioner</p>	<p>Inclusion of courses provides a more comprehensive overview of the program.</p>

T.L.

SENATE PROPOSAL FORM FOR (check one): CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
(See Instructions on reverse)

(Do Not Write in This Space)

ROUTING:	Initials/ Date
Academic Affairs	KJ 112-16-93
Graduate School (if applicable)	/
Senate C&I	/
Senate	/
Academic Affairs	/

Page 5 of 5

Signed: _____ Date: _____
 Department _____ Department Chair _____
 School or College _____
 Signed: Shirley A. Hunt Date: 12/14/93
 School or College _____ Dean _____

Master of Science in Nursing Degree
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes -- List departments and secure sign-offs

Page number(s) 211-212 and year 1993-94 of most recent *Bulletin* listing.

Current <i>Bulletin</i> listing:	Proposed <i>Bulletin</i> listing:	Rationale:
	<p>Degree Requirements (Continued)</p> <p>Role Enactment (Practitioner functional role only) N 464* Ambulatory Care Management N 407 Pharmacology for Advanced Nursing Practice</p> <p>Elective (Completed by all students)</p> <p>Students complete three hours which support the chosen functional role. Course work may be taken within the School of Nursing or from an approved list available from the Student Services Office in the School of Nursing.</p> <p>Culminating Research Activity (All students complete seminar course. Students choose either project or thesis) N 477 Thesis/Directed Research Seminar N 478 Directed Research N 479 Research Thesis</p> <p>* Includes a clinical component</p>	<p>Inclusion of courses provides a more comprehensive overview of the program.</p>

✓ T.C.

SENATE PROPOSAL FORM FOR (check one):

- CHANGE IN DEGREE REQUIREMENTS
- CHANGE IN MINOR
- CHANGE IN CERTIFICATE PROGRAM

(Do Not Write in This Space)
ROUTING: initials/date

FROM: School of Business Administration Signed: _____
Department

Department Chair

Date

Academic Affairs
Graduate School
(if applicable)

dh / 9/14/93

School of Business Administration Signed: _____
School or College

Dean

4/23/93
Date

Senate C&I
Reported to Senate
Academic Affairs

jma / 3-3-94

Title: **Change in BSBA Degree Requirements**

Are other departments likely to be affected by this change? (x) no () yes--list departments and secure sign-offs

U. Plattner Joseph Burger Van D. G. Smith

Page number(s) 163 and year 1992-93 of most recent Bulletin listing.

Current Bulletin listing:

Degree Requirements

General Education Requirements

All undergraduate business administration majors must complete the general education requirements of both the University and the School of Business Administration. The School's general education requirements are in keeping with those of the University. Many of the courses needed to complete the School's degree requirements, as outlined below, may be taken to fulfill the University's general education requirements.

General Degree Requirements

All undergraduate business administration majors must complete the specific non-business courses which are business degree requirements. To satisfy the BSBA general degree requirements, the following pre-business administration requirements must be met:

- 1) Demonstration of basic skills in written communication by a minimum grade of C in English 10, English Composition, or a satisfactory score on the English placement test. For more information refer to the University General Education Requirements.

Proposed Bulletin listing:

Degree Requirements

General Education Requirements

All undergraduate business administration majors must complete the general education requirements of both the University and the School of Business Administration. The School's general education requirements are in keeping with those of the University. Many of the courses needed to complete the School's degree requirements, as outlined below, may be taken to fulfill the University's general education requirements.

General Degree Requirements

All undergraduate business administration majors must complete the specific non-business courses which are business degree requirements. To satisfy the BSBA general degree requirements, the following pre-business administration requirements must be met:

- 1) Demonstration of basic skills in written communication by a minimum grade of C in English 10, English Composition, or a satisfactory score on the English placement test. For more information refer to the University General Education Requirements.

Rational:

no change

no change

no change

no change

6-2-9

2) Effective Fall Semester, 1985, students wishing to complete a degree at UM-St. Louis must complete a junior-level English requirement with a grade of C or better.

3) Three courses in the humanities, to be chosen from selected offerings in art, English, music, philosophy and communication (applied courses do not count). See the Office of Undergraduate Academic Advising for a detailed listing of courses which fulfill this requirement.

4) Five courses in social science, to include: Economics 51, Principles of Microeconomics and Economics 52, Principles of Macroeconomics; one course which meets the state requirement (see the University General Education Requirements); and two courses in the behavioral sciences, chosen from anthropology, psychology, or sociology.

5) Three courses in mathematics and science which must include: a minimum proficiency in Mathematics 101, Survey Calculus, and Mathematics 103, Matrix Algebra and Probability Theory, and at least one lecture course in either a biological or physical science. (Note: Mathematics 30, College Algebra, is a prerequisite to Mathematics 101; also students planning to pursue a more in depth knowledge of calculus should take Mathematics 80 in lieu of Mathematics 101).

2) Effective Fall Semester, 1985, students wishing to complete a degree at UM-St. Louis must complete a junior-level English requirement with a grade of C or better.

3) Three courses in the humanities, to be chosen from selected offerings in art, English, music, philosophy and communication (applied courses do not count). See the Office of Undergraduate Academic Advising for a detailed listing of courses which fulfill this requirement.

4) Five courses in social science, to include: Economics 51, Principles of Microeconomics, and Economics 52, Principles of Macroeconomics; one course which meets the state requirement (see the University General Education Requirements); and two additional courses.

5) Three courses in mathematics and science which must include: a minimum proficiency in Mathematics 101, Survey Calculus, and Mathematics 103, Matrix Algebra and Probability Theory, and at least one lecture course in either a biological or physical science. (Note: Mathematics 30, College Algebra, is a prerequisite to Mathematics 101; also students planning to pursue a more in depth knowledge of calculus should take Mathematics 80 in lieu of Mathematics 101).

no change

no change

This change allows students greater educational freedom in choosing social science courses that meet their educational needs.

no change

T.R.

SENATE PROPOSAL FORM FOR (check one):
 CHANGE IN DEGREE REQUIREMENTS
 CHANGE IN MINOR
 CHANGE IN CERTIFICATE PROGRAM
(See Instructions on Reverse)

(Do Not Write in This Space)
initials/date

ROUTING:
Academic Affairs dh / 12-22-93
Graduate School - / -
(if applicable)
Senate C&I gma / 3-3-94
Senate /
Academic Affairs /

Page 1 of 1

Philosophy
Department
Arts & Sciences
School or College

Signed: Zurum H. Ewri 11-4-93
Department Chair Date

Signed: Deborah Larson / Jc 12-9-93
Dean Date

Minor in Philosophy Philosophy
Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? no yes--list departments and secure sign-offs

Page number(s) 121 and year 1993-94 of most recent Bulletin listing.

Current Bulletin listing:

Proposed Bulletin listing:

Rationale:

Fifteen hours of course work in philosophy are required. Philosophy 60 or Philosophy 160, and four other courses numbered above 100, including two numbered above 200.
All courses presented for the minor must be completed with a grade of C or better.

Fifteen hours of course work in philosophy are required. Philosophy 60 or Philosophy 160, and four other courses numbered above 100, including two numbered above 200. Minors are encouraged, though not required, to take Philosophy 391, Senior Seminar.

A GPA of 2.0 or better is required in courses presented for the minor.

Not all minors will meet the prerequisites or have specific interests that would make Phil. 391 appropriate for them. But encouraging the others to take the seminar will strengthen both the minor and the seminar. This change is needed to accommodate incremental grading.



SENATE PROPOSAL FORM FOR (check one): () CHANGE IN DEGREE REQUIREMENTS
 () CHANGE IN MINOR
 (X) CHANGE IN CERTIFICATE PROGRAM
 (See Instructions on Reverse)

(Do Not Write in This Space)
 initials/date

ROUTING:
 Academic Affairs dh / 12-22-93
 Graduate School
 (if applicable) - / -
 Senate C&I gma / 3-3-94
 Senate _____ / _____
 Academic Affairs _____ / _____

Page 1 of 2

Art
 Department

Signed: Tom Patta 9-29-93
 Department Chair Date

Arts & Sciences
 School or College

Signed: Dorrah Larson 12-9-93
 Dean Date

Photographic Studies Certificate
 Title of Degree/Minor/Certificate Program

Are other departments likely to be affected by this change? (X) no () yes--list departments and secure sign-offs

Page number(s) 145/146 and year 1993/1994 of most recent Bulletin listing.

Current Bulletin listing:

Proposed Bulletin listing:

Rationale:

Art 360, Advanced Photography

Requirements
 The following courses are required:
 Art 60, Photography I
 Art 160, Photography II
 Art 165, History of Photography, or
 History 168, Photohistory
 Interdisciplinary 65/Art 65, Photography and Society
 Art 360, Photography III, or
 Interdisciplinary 390, Independent Studies in Photographic Studies

To reflect new courses added to the Studio Art curriculum as well as to correct for recent course number and title changes.

II-E

SEN: 7/88

T.L.

Current Bulletin listing:

Proposed Bulletin Listing:

Students must also take at least **one three-hour course** selected from the following departmental offerings: (New courses will be reviewed periodically for inclusion.)

Art 260, Photography: Color Printing

Art 360, Advanced Photography

Philosophy 274, Philosophy of Art
Physics 172, Light and Color
Physics 173, Application of Light and Color

- Art 5. Introduction to Art
- Art 261. Color Photography I
- Art 262. Non-silver Photography
- Art 263. Photography Since 1945
- Art 264. Video Art I
- Art 274/Philosophy 274. Philosophy of Art
- Art 277. Printmaking: Photolithography
- Art 360. Photography III
- Art 361. Color Photography II
- Art 364. Video Art II
- Art 390. Special Studies
- Art 391. Advanced Problems in Photography I
- Art 392. Advanced Problems in Photography II
- Biology 360. Techniques in Electron Microscopy
- Communication 50. Introduction to Mass Media
- Communication 70. Introduction to Cinema
- Communication 210. Television Production
- English 214/Communication 214. News Writing
- English 215. Feature Writing
- History 168. Photohistory
- Interdisciplinary 40. The Black World
- Interdisciplinary 365. Seminar in Photographic Studies
- Interdisciplinary 390. Independent Studies in Photographic Studies
- Psychology 213. Principles of Perception
- Psychology 355. Psychology of Perception
- Extension course. Professional Photography Seminar

Philosophy 274 is listed above with Art 274, which is the same class.
Physics 172 and 173 no longer exist.

II-F

PROPOSAL TO CHANGE BULLETIN STATEMENT REGARDING GRADING POLICY (Graduate)

Current version: (p. 37 of 1993-94 Bulletin, under "Grades"):

Grades

A grade of A is assigned 4 points; B, 3 points; C, 2 points, and F, no points. Because the Graduate School does not recognize a D grade for a graduate student enrolled in a course carrying graduate credit, the Registrar's Office will attach to each class roll list for 300-level courses where graduate students are enrolled a note such as the following: "According to the regulations of the Graduate School, grades of D and F are equivalent. Graduate students are identified on the attached class roll by the code number 6 in the column marked 'Division'. Earned grades of D for these students should be recorded as F."

Proposed revision:

Grades

Instructors teaching graduate courses have complete discretion in using the full-letter grading system or the plus/minus grading system. Point assignments for grades are as follows:

- A = 4.0
- A- = 3.7
- B+ = 3.3
- B = 3.0
- B- = 2.7
- C+ = 2.3
- C = 2.0
- C- = 1.7
- F = 0
- EX = Excused
- DL = Incomplete

Because the Graduate School does not recognize a D grade for a graduate student enrolled in a course carrying graduate credit, the Registrar's Office will attach to each class roll list for 300-level courses where graduate students are enrolled a note such as the following: "According to the regulations of the Graduate School, grades of D and F are equivalent. Graduate students are identified on the attached class roll by the code number 6 in the column marked 'Division'. Earned grades below C on a full-letter grading system or below C- on a plus/minus grading system should be recorded as F for graduate students."

[Note: The two succeeding paragraphs in Bulletin which discuss the unavailability of the S/U option and delayed grades will remain as currently written.]

ROUTING:

Academic Affairs db / 1-25-94
 Graduate School APW / 2-5-94
 Senate C&I Jma / 3-3-94
 Reported to Senate _____ / _____
 Academic Affairs _____ / _____