

(to be considered for
approval at April 5
Senate meeting)

SENATE MINUTES
UM-ST. LOUIS
March 1, 1994
3:00 p.m. 126 J. C. Penney

The meeting was called to order at 3:03 p.m. Minutes from the previous meeting (held February 8, 1994) were approved as submitted.

Report from the Chairperson -- Stephen Lehmkuhle

The Chair began by thanking those who attended President Russell's February 15 meeting with faculty and staff.

Two resolutions have been drafted by the Ad Hoc Senate Committee on Multiple-Level Participation in the Tenure and Promotion Process. One resolution pertains to the participation of administrators; the other covers faculty who are able to access more than one level of the process. Options concerning the latter will be offered for discussion. Copies of the draft resolutions and options will be distributed to the Faculty soon, and a meeting will be scheduled to consider the merits of the various approaches before the Committee presents its recommendations to the Senate.

Senators were informed that the primary election to nominate faculty to serve on the 1994-95 Senate has been completed. Ballots for the final round of voting will be distributed soon.

Elections for student members of the 1994-95 Senate will be held on March 21 and 22. The deadline for candidates to file for election is 10:00 a.m. on March 17. Letters have been sent to the Faculty and to current student senators, flyers will be posted on campus bulletin boards, and the Current will be asked to publicize information on filing and voting. The Chair reminded senators of the new bylaw which allows students 25 seats on the Senate only if there are at least 25 eligible candidates. He requested that everyone encourage interested students to stand for election.

Report from the Chancellor -- Blanche Touhill

The Chancellor began with good news: the campus has recently received a \$50,000 donation from the American Honda Foundation for the Engelmann Institute and a \$40,000 donation (part of a five-year, \$200,000 pledge) from the May Company for scholarships in the Pierre Laclède Honors College.

Robert Shapiro, President and Chief Operating Officer of Monsanto, will discuss "Corporate Change in the Global Economy" as part of our Distinguished Speaker Series. Those interested in attending the March 15 presentation were invited to contact University Relations for more information. The Chancellor noted that attendance at these lectures has been poor. She urged senators to take advantage of this opportunity to visit with the area's top corporate executives.

The Chancellor praised our Music Department and students who performed in a musical program which brought to a close this year's observance of Black History Month.

The campus will host the annual Jane and Whitney Harris Ecology Lecture on March 17 at the St. Louis Science Center. Biologist Nalini Nadkarni, featured in the film, "Tropical Rainforest," will deliver the main address. Tickets may be obtained through University Relations.

A front-page article and photograph in the Suburban Journals last week featured the campus's new ecology and conservation complex. The story focused on our tropical rainforest research and environmental education programs. It also highlighted the campus's master plan.

New billboards designed to enhance our recruitment efforts have been erected along Highway 40 and Interstate 170.

Documents outlining the campus's progress in meeting the goals stated in our five-year plan have been submitted to President Russell.

The campus's proposal to offer a Bachelor of Fine Arts degree is expected to be on the Board's March meeting agenda.

At the close of her report, the Chancellor called on Mr. Lawrence Westermeyer, Director of the Office of Computing and Networking Services, for an update on campus telephone service. (See report attached.)

Mr. Westermeyer responded to a number of questions from senators. He described the magnitude of the shortage of modem and incoming lines, promised Senator Barton that costs for the coming upgrade will be kept as low as possible, and confirmed for Senator Martinich that telephone registration operates separately and does not contribute to system overload. Staff Association President Mushira Haddad asked if the future St. Charles campus would be added to our telephone system. Mr. Westermeyer said he didn't yet have an answer. Ms. Haddad was assured by Dean Smith that the situation will be reviewed when a site has been selected, and Mr. Westermeyer added that everything necessary to adequately serve the St. Charles campus will be done.

Report from the Student Government Association -- Charles "Andy" Masters

(See report attached.)

Report from the Committee on Bylaws and Rules -- Joseph Martinich

Senator Martinich presented a proposal to create a new standing committee, the Committee on Video and Instructional Technology. With the reminder that an earlier proposal was rejected by the Senate and returned to Bylaws and Rules for more work, Senator Martinich described the revised version's charge as more encompassing and precise.

A motion by Senator Sauter to change "one faculty member from each division of the College" to "one faculty member from each division of the College of Arts and Sciences" was approved with some dissent.

Senator Friedman asked whether the Committee on Video and Instructional Technology or the Committee on Computing will have jurisdiction over computer classrooms and laboratories. Senator Martinich explained that the proposed new committee would be responsible only for video and instructional technology that is not computer based. He conceded that the boundary separating the charge of these committees is not sharply defined and will require cooperation and consultation between them.

A phrase in one point of the charge provoked lengthy debate. Following several questions regarding the use of the word "monitoring," Senator Burkholder asked for clarification of the intent of the phrase "and provide the necessary academic monitoring of video programs which are associated with the University of Missouri-St. Louis." Senator Martinich suggested as an example of how this phrase could be applied the possibility that the Committee might want to look into disparity between the number of video courses offered by one program and the number offered by another. Dean Smith commented that this phrase will ensure that our faculty are involved in programs shared with community cable systems. Dean Nance questioned if another phrase, "monitor the quality and effectiveness of instruction," could lead to infringement of academic freedom. Senator Martinich pointed out that the Committee would not be monitoring individual faculty members.

Senator Zarucchi stressed the importance of faculty oversight in this growing area that has major budget implications. She disagreed with a motion by Senator Sauter to delete the word "academic" from "monitoring," reasoning that the Committee should be in close contact with the departments and should be free to monitor the overall quality of offerings by our institution. Senator Sauter was unpersuaded by this argument, fearing that

committee members could become involved in academic offerings outside of their own area. In her opinion, it would be inappropriate for the Committee to suggest to a school or college that its courses are ineffective or unchallenging. Senator Tang-Martinez agreed. Senator Connett, on the other hand, wanted the word to remain. He compared the work of the proposed committee to the work of C&I, which requires a cross-campus exercise of judgment. Senator Burkholder commented that the courses offered must be approved through our existing process. Senator Martinich pointed out, however, that offerings are not restricted to our own courses, and Dean Smith cautioned that others could be offering programs through our medium.

Senator Korr lamented the lost opportunity for faculty to become involved earlier.

Senator Sauter, defending her motion to delete "academic" from "monitoring," described a scenario where the Committee could tell a faculty member that his/her overhead transparencies are not right and perhaps even deny the faculty member access to overhead projectors.

Senator Tierney felt senators were being overly sensitive to the word "monitoring." He remarked that the Committee on Computing has exercised this function merely by reviewing what is planned, making recommendations, and presenting reports to the Senate.

Senator LeLoup asked what the impact would be on a course he teaches that is presently offered on video ("Introduction to American Politics"). Senator Martinich replied that if, for example, the ratio of Political Science offerings to offerings in other areas is out of line, the Committee might ask why. He conceded that the new committee will have to feel its way at first to decide what it should and should not become involved in--much like the Computing Committee has had to do.

Senator Burkholder recommended placing a period after the word "programming" in the second section of the Committee's charge, deleting "and provide the necessary academic monitoring of video programs which are associated with the University of Missouri-St. Louis." With the acceptance of Senator Sauter and the person seconding her motion, this amendment was then approved by the Senate.

Senator Friedman commented on the importance of fiscal control and asked where it is covered in the charge. Senator Martinich stated that this is in the domain of the Budget and Planning Committee. Senator Friedman asked if the new committee would make recommendations to Budget and Planning. Senator Martinich agreed this could happen if appropriate. Senator Sauter, noting that Budget and Planning is not concerned with micro-management,

suggested that the new committee would be free to make some recommendations in the fiscal area.

At the close of this lengthy debate, the Senate voted to endorse the bylaw as amended. (See copy attached.)

Report from the Budget and Planning Committee -- Blanche Touhill

The Chancellor reported that the Committee has met twice since the last Senate meeting. The first meeting was to review the second-year portion of the five-year plan, and the second meeting was to review a request from President Russell regarding our wishes in relation to programmatic changes. Chancellor Touhill said she accepted nearly all the advice she received at these meetings.

Senator Connett inquired about funding for instructional technology. Deputy Driemeier explained that the University has been receiving approximately \$100,000 per year from the portion of the tax on video rentals that is assigned for educational purposes.

Senator Friedman asked what will happen to the savings from our new health care program. Chancellor Touhill reported that she is protecting the money so it will be available if the cost of benefits increases over the next five years. She pledged that the funds will not be used for any purpose other than benefits.

Report from the Committee on Physical Facilities and General Services -- R. Rocco Cottone

On behalf of the Committee, Senator Cottone moved that the Senate approve a new static vinyl parking sticker to be displayed on the inside rear window. He circulated several samples and explained that the proposed vinyl stickers would feature three colors and are less expensive than the hanging tags. They also would eliminate the problem of hampered visibility.

Senator Martinich suggested that the colors for students and for faculty/staff be clearly distinguishable.

The question was called, and the proposal to convert from hanging tags to the new static vinyl stickers was then approved by the Senate.

Senator Cottone noted that thanks are due to Ms. Ellen Horan of University Relations for her help on this project.

Mr. Reinhard Schuster, Director of the Physical Plant, presented an update on the campus mail service. He briefly outlined the history since last July, when outside vendors were

hired to process off-campus mail. He reported that he has heard no complaints recently, that he is deferring the purchase of metering equipment, that we are doing better at earning mailing discounts, and that he intends to combine the mail service with Graphics and Printing Services.

Senator Connett requested that a mailbox be placed in each campus building so that individuals/departments with outgoing mail after 2:00 p.m. would not have to come to the Mail Room. Mr. Schuster agreed that this is a possibility.

Turning to our recycling effort, Mr. Schuster reported that we have made some progress but that there are problems in buildings cleaned by an outside contractor. The contractor has been informed of the need to keep the trash separated. Mr. Schuster invited senators who have questions or problems to contact Dr. James Hickerson, who is now in charge of campus recycling.

Senator Haywood inquired about the removal of asbestos from the Mark Twain Building. Mr. Schuster said a contractor has visited the site. Loose panels have been replaced and the problem should be resolved.

Dean Nance complained about litter around campus buildings, particularly Lucas Hall. Mr. Schuster said he was unaware of the problem.

Senator Price complained that campus visitors using the Mark Twain Building are filling up the parking spaces in front of the building, causing inconvenience to students who must park far away. Senator Cottone suggested that signs would be helpful. Senator Price noted that signs are in place but ignored. He suggested that the campus police be dispatched to direct campus visitors to other parking areas. Dean Smith commented that we provide campus maps to outside groups using our facilities.

Report from the Executive Committee -- Stephen Lehmkuhle

The Chair conveyed a request by the Executive Committee that the Administration review the various forms that faculty and staff are required to complete with a view to eliminating unnecessary duplication and moving away from paper toward electronic processing.

The Chancellor reported that the need for common definitions and accurate System-wide data was discussed at a recent meeting of the General Officers. President Russell is contemplating reconstituting the old committee to work on this. Chancellor Touhill urged IFC members to pursue this issue so it isn't forgotten, prompting Senator Burkholder to remark that much could be done on the campus to eliminate duplication.

Report from the Committee on Computing -- James Tierney

The Committee's written report was appended to the agenda and is attached to these minutes.

Other Business

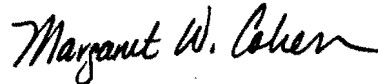
Ms. Rapp reported on changes in library hours for spring break.

It was announced that the talent show planned by the Staff Association has been canceled due to lack of interest.

Interim Associate Vice Chancellor McPhail reminded senators of a kick-off celebration for the Arts and Education Council's annual fund drive, prompting Senator Tierney to ask if this is the first year A&E has been on the campus and if there is an advantage to donating through the campus rather than individually. He was informed that A&E has been on the campus for many years, that campus donations for this and for the United Way are important in our fund-raising efforts, and that this is the first year that payroll deductions for A&E are possible.

Completing the business at hand, the Senate adjourned at 4:10 p.m.

Respectfully submitted,



Margaret Cohen
Senate Secretary

Attachments: Report on campus telephone service
Report from the Student Government Association
Bylaw amendment endorsed by the Senate
Report from the Committee on Computing

(minutes written by
Ms. Joan M. Arban,
Senate Executive Assistant)



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and Vice President

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STUDENT GOVERNMENT ASSOCIATION
REPORT TO UNIVERSITY SENATE
Andy Masters
3/1/94

I. Recently, an open discussion was held to determine the format of SGA Student Court Hearings--whether they would be open or closed. Members of our Executive Committee, the Student Court, and members of The Current, as well as a few administrators attended the forum where a general agreement was made to change the SGA by-laws at the April 6, meeting. The consensus was to have all court hearings open to the public while the deliberations of the Student Court would be conducted in closed session.

II. The week of March 28-April 1, SGA will be coordinating a series of programs titled, State of the Nation '94: The Student Perspective.

Mon. March 28> Congressman James Talent 2:00p.m. Room 222 JCP
"Health Care Reform--How will it affect us?"

Tues. March 29> County Executive "Buzz" Westfall
U.S. Senate Candidate Steve Carroll
12:00p.m. Room 222 JCP
"Crime-- What can be done?"

Weds. March 30> Panel Discussion 12:00p.m. Room 222 JCP
"The Clinton Administration--Taking Us in the Right Direction?"

Thurs. March 31> DEBATE: College Republicans vs. College Democrats
Room & Time TBA(to be announced).

III. SGA Elections for the 1994-95 school year will be held on April 13 & 14. Our next meeting of the SGA Assembly will be tomorrow in room JCP 126 at 2:00p.m.

Comments to Senate - March 1, 1994 -- Mr. Lawrence Westermeyer

Thank you for giving me a few minutes of your time to talk about a project that is very important to the campus. During the past year I have spent a great deal of time understanding the capabilities and limitations of the campus telephone system.

It was apparent that it is time to upgrade the system. Among the many reasons are:

- the lack of incoming telephone lines;
- the minimal support available from the manufacturer for the existing voice mail system;
- the lack of answer supervision;
- the forthcoming changes to the North American Numbering Plan which governs the structure of area codes and exchanges; and
- both the telephone and voice mail systems are nearing call processing capacity.

An ad hoc committee of faculty and staff was formed to advise me on the need for upgrading these systems and the features that are needed by the campus.

We retained a consultant, TelCon Associates of St. Louis, to assist in this project. The needs assessment was completed in October, 1993. Campus wide surveys of faculty, students and staff were conducted. Twenty one focus groups representing the entire campus were interviewed.

Current Status

- The request for proposals was released on February 3.
- A vendor pre-bid conference was held on February 9.
- Responses are due on March 10, 1994.
- Anticipated cut over date is 6:00 p.m. June 24, 1994.

Other Related Items

- The dial-up lines for the VM system were removed from the incoming trunk groups to Southwestern Bell business lines. This will reduce the number of busy signals outside callers receive when attempting to reach a non-modem number. This will NOT solve the modem shortage.
- Five outgoing lines were changed to incoming lines.
- After the upgrade is complete, additional incoming lines will be installed.
- Additional modem lines will be installed as appropriate.

PROPOSED NEW BYLAW FOR UM-ST. LOUIS

300.040 C.4.r. Committee on Video and Instructional
(current Technology -- The Committee shall consist of the
C.4.r. and Director of Telecommunications (non-voting); the
following to Director of the Instructional Technology Center
be relabeled) (non-voting); one faculty member from each
division of the College of Arts and Sciences, one
from each professional school, and one from each
parallel unit which may be created from time to
time; and two students. All faculty and student
representatives shall be elected by the Senate.

The Committee shall:

- (1) Review video and instructional technology developments and monitor the quality and effectiveness of instruction using this technology.
- (2) Provide advice regarding video production programming.
- (3) Provide advice on acquisitions of audio-visual and video telecommunications equipment for the campus and provide input on campus policies and operational procedures related to facility and equipment utilization and services.
- (4) Coordinate the activities of video-enhanced instruction on the campus for the purpose of securing funding.
- (5) Serve as an advisory body for the development and implementation of video technology as a component of integration with digital voice and data systems, both on the campus and in the University of Missouri System. The Committee shall coordinate with the committees on Computing and University Libraries on issues of mutual concern.

Rationale: As the campus begins to develop multi-media courses for use by students on- and off-campus, it will be necessary for a committee to evaluate the quality and effectiveness of video-based courses. Moreover, the Committee will coordinate its activities in video and instructional technology with the activities of the committees on University Libraries and Computing in order to shape the development of integrated technology to best fulfill the academic mission of this campus.

**REPORT TO THE SENATE
SENATE COMMITTEE ON COMPUTING
1 MARCH 1994**

The Senate Committee on Computing met on 10 February 1994 at 10:30 A.M. in Rm 414 CCB. The meeting was chaired by Jack Anderson and minutes taken by Bruce Wilking, the Committee's chair being out of town to tend a death in the family.

The following items and actions represent the substance of that meeting.

1. Instructional Computing Software Budget. Jerry Siegel, the Coordinator of Campus Computing, asked the Committee for assistance in dealing with complex problem of deciding which of the many software packages requested by faculty for use in instruction should be purchased and supported by his staff. The Committee elected a subcommittee to assist Siegel in determining priorities.

2. Annual Distribution of Computers to Faculty Applicants Jerry Siegel reported that, given the present constraints on his budget (e.g., additional expense of the present wiring of campus buildings), it might not be possible to distribute computers to faculty applicants this spring, as his office has done in recent years. In the past, this program was possible largely because of savings in the OCNS budget, not by reason of rate money.

3. Upgrading of the Campus Telephone System Larry Westermeyer provided a status report on the upgrading of the campus telephone system that reflected both short-term and long-range measures to deal with an outmoded and overloaded system that has recently prevented access to off-campus dialup callers. A request for vendor bid proposals was let on February 3; proposals are due March 10; anticipated cutover date is June 24. In the meantime, interim measures have been taken to relieve the stress: dialup lines for the VM system, UMSLVMA, have been moved to Southwestern Bell business lines; 5 outgoing lines were switched to incoming lines; additional modems will be installed as needed. After the upgrade, additional incoming lines will be installed.

4. **Progress on Wiring of Campus Buildings and Hookup.** Larry Westermeyer presented a progress report on the wiring of campus buildings to allow all offices and classrooms access to the campus network server. The T. J. Library is now connected to the campus network; Mark Twain wiring is complete; Lucas wiring is complete (except for closets) to the 4th floor; wiring in Clark is expected to begin by March 5 and in SSB/Tower by early April. Classrooms in these buildings are expected to be ready for use by the Fall 1994 semester.

Some delay in the actual hookup of computers to the system has been the result of attempts to master configurations necessary to address the needs of different kinds of equipment and additional LANS in various offices (e.g., UNIX). Jerry Siegel indicated that the original intention was to provide a "vanilla" hookup to the campus server that would require rebooting for access to other existing services in campus units. He asked patience while OCNS continues to work on these problems.

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

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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

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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

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✓ 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

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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

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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)
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(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)

Page 1 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:

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

(Do Not Write in This Space)
initials/date

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

II-A

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
School or College

Signed:

J. P. H. H. H.
Dean

2/7/14
Date

(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: _____)

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).

SEN: 7/88

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.

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ROUTING:
 Academic Affairs dh/2-8-94
 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)

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ROUTING:
 Academic Affairs dh 28-94
 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 Signed: JPA May _____
 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
	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...

SEN: 7/88

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

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

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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
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)

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 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 Signed: [Signature] 2/1/94
 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	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

SEN: 7/88

Table continues...

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

Page 7 of 15

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

(Do Not Write in This Space) initials/date
 ROUTING:
 Academic Affairs [Signature] 128-94
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____
 (effective 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
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)

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initials/date

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

Page 8 of 15

UM-St. Louis/Washington University Signed: _____
Department Department Chair Date
Joint Undergraduate Engineering Signed: [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:

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.

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

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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.

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ROUTING:
 Academic Affairs dh 128-94
 Graduate School _____
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 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 10 of 15

UM-St. Louis/Washington University Signed:
 Department _____

Department Chair _____ Date _____

Joint Undergraduate Engineering Program
 School or College _____

Signed: [Signature] _____ Date 2/7/94

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

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

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)

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ROUTING:
 Academic Affairs dh / 2-5-94
 Graduate School _____/
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 Senate C&I _____/
 Senate _____/
 Academic Affairs _____/
 (effective date: _____)

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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...

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

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

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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
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...

SEN: 7/88

T.E.

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

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 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 Signed: JK Satby _____ 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:

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)

Page 14 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

(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: _____)

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

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

Page 15 of 15

UM-St. Louis/Washington University Signed: _____

Department

Department Chair

Date

Joint Undergraduate Engineering
Program

Signed: _____

Dean

2/7/94
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:

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.

(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: _____)

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

Page 1 of 4

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

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

II-B

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

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 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: _____ Date _____
 Department Department Chair
 Joint Undergraduate Engineering Signed: W.D. Army 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)

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

Page 3 of 4

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

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

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

Page 4 of 4

UM-St. Louis/Washington University Signed:

Department

Joint Undergraduate Engineering
Program

School or College

Department Chair

Date

Signed:

Dean

J. Salway

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:

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.

(Do Not Write in This Space)
Initials/date

ROUTING:

Academic Affairs

Graduate School

(if applicable)

Senate C&I

Senate

Academic Affairs

(effective date: _____)

dh 12-8-94

T.K.

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

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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: Jane Morgan Gruchik / 10/15/93
Department Chair Date

Arts & Sciences
School or College

Signed: Deloral Tanson /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-2-1

SEN: 7/88

CHAIRPERSON'S HANDBOOK

07.02.02, Page 2 of 2, 5/31/90

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

Page 1 of 1

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

Foreign Languages and
Literatures
Department

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

Arts & Sciences
School or College

Signed: William J. Dawson / 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 Bulletin listing:

Proposed Bulletin listing:

Rationale:

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.

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.

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

II-2-2

SEN: 7/88

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

Page 1 of 1

Foreign Languages and
 Literatures
 Department

Arts & Sciences
 School or College

Signed: Jarrett Rogan Jaruachi 10/15/93
 Department Chair Date

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

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

CHAIRPERSON'S HANDBOOK

07.02.02, Page 2 of 2, 5/31/90

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

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 initials/date

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

Page 1 of 5

Philosophy
 Department

Signed: J. William 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 <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>Option One Designed to prepare students for graduate work in philosophy, the program requires:</p> <p>1) Philosophy 160, Formal Logic</p> <p>2) History of Philosophy</p> <p>Choose alternative a or b:</p> <p>a. Two courses from Philosophy 101-107 sequence and one course from Philosophy 201-210 sequence.</p> <p>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.</p>	<p>Option One Designed to prepare students for graduate work in philosophy, the program requires:</p> <p>1) Philosophy 160, Formal Logic</p> <p>2) History of Philosophy</p> <p>Choose alternative a or b:</p> <p>a. Two courses from Philosophy 101-107 sequence and one course from Philosophy 201-210 sequence.</p> <p>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.</p>	<p style="text-align: center;">(II-2-4)</p>

9.6.

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

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initials/date

Page 2 of 5

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

Philosophy
Department

Signed: Jayma 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 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 5) Philosophy and Other Disciplines One course from the Philosophy 270-290 sequence. 6) Philosophy 391, Senior Seminar.</p>	<p>Requiring the new Senior Seminar for all three options will satisfy the new general education requirements.</p>

T.R.

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

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initials/date

Page 3 of 5

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

Philosophy
Department

Signed: Laura 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:
<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>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>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 whose special interests, such as prelaw preparation, do not fall clearly into any one traditional academic department. Requirements include:</p>	

T.C.

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

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initials/date

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

Page 4 of 5

Philosophy
Department

Signed: J. J. Owen 11-4-93
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 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 1, 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 1, 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)

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 initials/date

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

Page 5 of 5

Philosophy
 Department

Signed: Jawann 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 Bulletin listing:	Proposed Bulletin 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)

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initials/date

ROUTING:
Academic Affairs dh / 12-14-93
Graduate School JW / 11-18-94
(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>

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> <p>SEN: 7/88</p>

T.C.

CHANGE IN DEGREE REQUIREMENTS

BEHAVIORAL STUDIES DEPARTMENT

SCHOOL OF EDUCATION

Page 3 of 3

MASTER OF EDUCATION: Emphasis in General Counseling

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>

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

T.L.

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 initials/date

Page 1 of 4

ROUTING:
 Academic Affairs dh / 12-14-93
 Graduate School
 (if applicable) JM / 11-11-94
 Senate C&I JMA / 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 <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> 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 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 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 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>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 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 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.C.

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>

12-

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)

1.4-

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 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] 9-27-93
 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>

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>

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.

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>		<p>SEN:7/88</p>

T.L.

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

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Page 1 of 5

ROUTING:	Initials/ Date
Academic Affairs	<u>12-16-93</u>
Graduate School (if applicable)	<u>12/13/94</u>
Senate C&I	<u>13-3-94</u>
Senate	<u>1</u>
Academic Affairs	<u>1</u>

_____	Signed: _____	_____
Department	Department Chair	Date
<u>Nursing</u>	<u>Shirley Allent</u>	<u>12/7/93</u>
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? (X) 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>

T.L.

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)

Page 2 of 5

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

Department

Signed: _____

Date

Nursing

Signed: Shirley Almonte

12/14/93

Date

School or College

Department Chair

Dean

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 *Bulletin* listing:

Proposed *Bulletin* listing:

Rationale:

Admission Requirements

Program applicants must have the following:

- 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.

Matriculation Requirements

- 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.

Admission Requirements

Applicants must meet the following:

- 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.

The proposed statement more accurately reflects admission requirements.

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)

Page 3 of 5

ROUTING:- Initials/ Date
 Academic Affairs RD 1/21/93
 Graduate School _____
 (if applicable) _____
 Senate C&I _____
 Senate _____
 Academic Affairs _____

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.

T.L.

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

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Page 4 of 5

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

Department

Signed: _____

Department Chair

Date

Nursing

Signed: Shirley A. Martin

Dean

Date

12/14/93

School or College

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:

Degree Requirements (Continued)

Acute and Chronic Nursing Care Focus

- N 481A Acute and Chronic Adult Health Nursing
- N 481C Acute and Chronic Child Health Nursing
- N 481W Women's Health Care: Maternal-Newborn

Functional role courses

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

Inclusion of courses provides a more comprehensive overview of the program.

T.L.

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

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Page 5 of 5

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

Department _____ Signed: _____ Date _____
 Department Chair
 School or College _____ Signed: Shirley A. Hunt 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:
	<p>Degree Requirements (Continued)</p> <p>Role Enactment (Practitioner functional role only)</p> <p>N 464* Ambulatory Care Management</p> <p>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)</p> <p>N 477 Thesis/Directed Research Seminar</p> <p>N 478 Directed Research</p> <p>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.L.

SENATE PROPOSAL FORM FOR (check one):

- (X) CHANGE IN DEGREE REQUIREMENTS
- () CHANGE IN MINOR
- () CHANGE IN CERTIFICATE PROGRAM

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ROUTING: initials/date

Academic Affairs dh / 9/14/93
 Graduate School
 (if applicable)
 Senate C&I gma / 3-3-94
 Reported to Senate
 Academic Affairs

FROM: School of Business Administration Signed: _____ Date _____
 Department
School of Business Administration Signed: David R. Gansf 4/23/93
 School or College Dean Date

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

K. R. Gansf James Burch David Gansf

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

II-C-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
(x) 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

Philosophy
Department
Arts & Sciences
School or College

Signed: Laurance W. Davis 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? (x) no () yes--list departments and secure sign-offs

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

Current <u>Bulletin</u> listing:	Proposed <u>Bulletin</u> listing:	Rationale:
<p>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.</p> <p>All courses presented for the minor must be completed with a grade of C or better.</p>	<p>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.</p> <p>A GPA of 2.0 or better is required in courses presented for the minor.</p>	<p>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.</p> <p>This change is needed to accommodate incremental grading.</p>

II-D

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 jma / 3-3-94
 Senate _____
 Academic Affairs _____

Page 1 of 2

Art
 Department

Signed: [Signature] 9-29-93
 Department Chair Date

Arts & Sciences
 School or College

Signed: [Signature] 12-9-93
 Dean Date

Photographic Studies Certificate
 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) 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. <div style="text-align: right; border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> II-E </div>

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.