



The
Lindenwood
Colleges

1978-79
Bulletin



The Lindenwood Colleges offer undergraduate degree programs leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Medicine, Bachelor of Music, Bachelor of Music Education, and Bachelor of Science. These programs include pre-professional curricula in dentistry, law, medicine, and veterinary medicine.

An Associate in Science degree in Business Administration is available in the Evening College only.

At the graduate level The Colleges offer degree programs leading to the Master of Arts, Master of Fine Arts, Master of Business Administration, and Master of Science in Education.

The Lindenwood Colleges are fully accredited by the North Central Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education. The Colleges are affiliated with the Association of American Colleges and the American Council on Education.

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Catalog



**THE LINDENWOOD COLLEGES
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Historical Highlights



- 1827 Mary Easton Sibley establishes a school in her home, 'Linden Wood.'
- 1853 The school becomes Lindenwood Female College under the auspices of the St. Louis Presbytery of the Presbyterian Church.
- 1857 Sibley Hall, the first major building, is constructed.
- 1914-1940 A period of major expansion marks the presidency of Dr. John L. Roemer and the institution becomes a four-year college (1918) awarding baccalaureate degrees.
- 1947-1966 Three dormitories, two classroom buildings, increased enrollment and faculty, and a varied curriculum are introduced during the presidency of Dr. Franc L. McCluer.
- 1966-1969 Physical growth continues and curricular innovations are introduced under Dr. John Anthony Brown. In 1966 church legal ties are severed and a covenant substituted. A separate but coordinate all-male college, Lindenwood College for Men, is established. Continuing Education and Evening programs are greatly expanded.
- 1975 The concept of a cluster of colleges, each distinctively serving its own student body but with a common faculty, is introduced under the presidency of Dr. William C. Spencer. The Evening College is formally recognized, and the College for Individualized Education is established.
- The Lindenwood Colleges now comprise:
- The Lindenwood College for Women, 1827 (Lindenwood I)
- The Lindenwood College for Men, 1969 (Lindenwood II)
- The Lindenwood Evening College, 1972 (Lindenwood III)
- The Lindenwood College for Individualized Education, 1975 (Lindenwood IV)
- 1976 New graduate programs in business administration (Lindenwood III) and in selected disciplines (Lindenwood IV) are started.
- 1977 Sesquicentennial celebration and events held throughout the year commemorate the founding of Lindenwood 150 years ago. New graduate programs in education and theatre are started.
- 1978 SUMMERSTAGE, Lindenwood's first professional acting company, offers to the public a 10-week series of popular plays and musical comedies.

ADMISSIONS

LINDENWOOD I AND II

Admission to The Lindenwood Colleges is based upon academic record of each individual student. Applications are reviewed by the Director of Admissions and the Faculty Admissions Committee and selection is made on the basis of the student's academic record, extracurricular activities, national standardized tests (SAT or ACT), personal recommendations and exhibited capacity and willingness to work.

Entrance Requirements

New students in the College for Women and College for Men are eligible for admission in the fall (September) and spring (February) terms only. Although Lindenwood does not require specific courses for admission, it strongly recommends 16 units of college preparatory work in the following subject areas:

- 4 units, English
- 3 units, Mathematics
- 3 units, Social Sciences
- 2 units, Laboratory Science
- 2 units, Foreign Language
or a Foreign Culture (see
Standard Degree Requirements)
- 1 unit, Physical Education

Application for Admission

Applications for admission to any of The Lindenwood Colleges may be obtained by writing the Director of Admissions, The Lindenwood Colleges, St. Charles, Missouri 63301. The application must be accompanied by a \$15 nonrefundable application fee. Although there is no deadline, candidates for admission are advised to apply early.

Applications and information relating to all four of The Lindenwood Colleges should be requested from the Admissions Office, and all applications will be processed by the Admissions Office.

Results of the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board (The Lindenwood code number is 6367) or the American College Testing Program (ACT)(The Lindenwood code number is 2324) must also be forwarded to the Office of Admissions. Students are encouraged to take the test in the spring of their junior year and/or on one of the two testing dates in the fall of their senior year.

An official transcript from each accredited secondary school attended must be filed with the Office of Admissions.

Students who intend to major in art or music should contact the chairmen of those departments. Prospective music majors are encouraged to audition, and prospective art majors are encouraged to submit a portfolio of their work. In cases where distance prevents the student from coming to the campus, a tape may be submitted for the personal audition, and the art portfolio of 35 mm slides may be mailed.

A personal interview with a member of the admissions staff or an alumni representative is highly recommended and considered a valuable and important part of the admissions process. The student should visit the campus for the interview which will enable the applicant to evaluate the intellectual and social environment of The Colleges. Interviews are available at selected locations away from the campus for those who find a campus visit to be impossible.

Transfer Students

Students wishing to transfer from an accredited junior college, college or university must be in good standing and entitled to an honorable dismissal. Transfer candidates should have the following credentials sent to The Lindenwood Colleges Admissions Office.

1. The formal application accompanied by the \$15 application fee.
2. The official secondary school transcript.
3. Official college or university transcripts. Transfer candidates must have the registrar at EACH college or university attended forward an official transcript covering educational work completed.
4. A recommendation from the last institution attended.

The Lindenwood Colleges reserve the right to evaluate each transcript and to stipulate certain courses as requirements for graduation if areas of deficiency are clearly evident. Transfer students who have received the A.A. degree from accredited junior or community colleges will be classified as juniors at The Lindenwood Colleges upon acceptance for admission, but each student will continue to be evaluated individually.

Early Entrance

Certain students who will benefit from beginning their college careers early and who are recommended by their high school counselors may be admitted directly following the completion of their junior year or the first semester of their senior year in high school. This opportunity for early admission, with or without a high school diploma, is intended as an encouragement to highly motivated applicants. Candidates should follow the standard procedure for enrolling.

Foreign Students

Students from abroad are encouraged to make their application directly to The Lindenwood Colleges.

Foreign students from countries where the official language is other than English are required to provide the college with the results of the Test of English as a Foreign Language (TOEFL).

Admissions Decisions

The candidate is notified of the admissions decision as soon as possible after all

credentials, including the grades for the first term of the senior year, are received and reviewed by the Director of Admissions.

Successful candidates for admission as regular, full-time students are required to submit a nonrefundable deposit in the amount of \$100 within 30 days after notification of acceptance. (\$50 for non-resident students) The advance deposit is credited to the student's account for the term for which the student is accepted. It is not transferable to another person and is not refundable.

Financial aid applicants are not required to pay the advance deposit until 15 days after notification of the financial aid decision unless they wish space reserved regardless of the financial aid award.

Advanced Placement

Credit and/or placement is given for scores of 3 or higher on the Advanced Placement Tests administered by the College Entrance Examination Board (Lindenwood's code is 6367).

Continuing Education Students

Continuing Education students (25 years of age or older) may receive pre-admissions counseling from the Dean of the Women's College, the Dean of the Men's College, or the Dean of the Evening College, as appropriate. Applications for admission into the program are processed by the Admissions Office.

College Level Examination Program (CLEP)

CLEP credits are accepted for students of all ages in each of the general examinations (except English) and may be allowed in specific subject area tests with the approval of the appropriate department. The student is awarded the equivalent of one course credit for each general examination successfully completed at the 50th percentile or above. Examinations are conducted regularly at various locations in the St. Louis area. Information on the tests may be obtained from the Admissions Office or the Registrar's Office.

LINDENWOOD EVENING COLLEGE

All students who wish to attend the Evening College and earn college credit must be formally admitted to The Lindenwood Colleges. The admissions process requires: application for admission, a one-time application and evaluation fee of \$15 and receipt of official high school or college transcripts (or high school equivalency information). These materials should be submitted directly to the Admissions Office, The Lindenwood Colleges, St. Charles, Missouri 63301. For additional information, see the Evening College program listings.

The application form and fee must be received prior to class attendance. Receipt of official transcripts is required to achieve formal admission, which should be completed as soon as possible following the beginning of course work in the Evening College.

The Evening College admissions standards are geared toward the prospective student employed during regular working hours who needs additional preparation to achieve academic and professional goals. Those who have satisfactorily completed high school or who transfer in good standing from other accredited colleges and universities are unconditionally admitted.

Application forms may be requested by telephone or by personal visit. Students interested in pursuing degree programs in the Evening College are encouraged to arrange an appointment during the evening to discuss the opportunities available with an academic counselor in their area of interest.

LINDENWOOD IV, THE COLLEGE FOR INDIVIDUALIZED EDUCATION

Orientation Session: Contact the Admissions Office or a Lindenwood IV Office for an orientation appointment.

All applicants are expected to attend an orientation session or have an orientation interview with a member of the Lindenwood IV staff. Orientation is the occasion for getting acquainted with administrative and academic procedures at the College and for getting the necessary information to complete

the admission process. The college representative will help the applicant with the application and financial aid application at this time.

Applying to the College: Submitting the application requires the following procedure. The three letters of recommendation requested on the application blank are no longer required.

Step 1. Fill out the *application form, L-4 financial aid application* (if you are applying for aid), and attach a *check or money order* for \$15.00 made out to The Lindenwood Colleges. (The \$15.00 is a non-refundable fee. It is *not* required of former students of The Lindenwood Colleges.) Mail these to: Assistant Director of Admissions, L-4, The Lindenwood Colleges, St. Charles, Missouri 63301.

Step 2. Request that *official transcripts* be forwarded directly from the Registrar's Office of each college or university attended to the Lindenwood Office of Admissions.

Step 3. Complete the *Admission Interview*. A personal interview with a Faculty Administrator at Lindenwood 4 is required for each applicant. Arrangements for this interview are made at the orientation session or at the time the application is received. If possible, the applicant should bring unofficial transcripts to this meeting. The admissions interview is a time for sharing the goals, values and expectations for learning in Lindenwood 4. The applicant and the Faculty Administrator discuss the applicant's past educational/career experience and outline a tentative program for the student.

Admissions to The Lindenwood Colleges: The applicant's completed application package and the Faculty Administrator's recommendations from the admission interview are forwarded by Admissions to the Director of Adult Education for evaluation. To insure a timely review of the application package, the applicant should make sure that all necessary documents are re-

ceived by the Admissions Office at least three weeks prior to the beginning of the trimester that the student intends to enter the program. When the applicant has been approved for admission by the Dean, she/he is notified of acceptance by letter from the Director of Admissions at The Lindenwood Colleges.

GRADUATE ADMISSIONS

Master of Business Administration

Students may enter the M.B.A. program in the fall, spring or summer session. Admissions are approved by the Lindenwood Graduate Admissions Committee, and applications for admission should be made through the Admissions Office. Admission will be made on the basis of predictions (1) that students will benefit from the program, and (2) that the program will benefit from the contributions of the candidates.

Applicants for admission to the program are required to submit:

- (1) Their results on the Graduate Management Admission Test (GMAT).
- (2) Their undergraduate record.
- (3) Recommendation letters from two or more academic and business acquaintances.
- (4) An admissions interview.

The Application for Admission form is available from The Lindenwood Colleges M.B.A. Office, Room 205, Roemer, or from the Director of Admissions. All materials should be forwarded directly to the Admissions Office, The Lindenwood Colleges, St. Charles, Missouri 63301.

Master of Arts and Master of Science in Education

Application to Models I, II, and III of the graduate programs in education is accomplished in the following manner:

1. Participants applying to the program must possess a baccalaureate degree from an accredited college with a minimum G.P.A. of 2.5 on a 4.00 scale. (Admission

with a G.P.A. of less than 2.5 is possible on a probationary basis.) Probationary status is removed upon completion of the core courses at a grade level of B or better.

2. All applicants are requested to schedule an interview with the Director of Graduate Programs in Education.

3. Application is made to the Director of Admissions at The Lindenwood Colleges and then presented to the Director of Graduate Programs in Education who will upon his approval present the prospective candidate to the Graduate Admissions Committee for approval, probationary status, or denial.

4. Students will be notified in writing of their full acceptance, probationary acceptance or denial of admission. At this time they will be assigned a faculty adviser or tutor in the Education Department and told to make arrangements to meet the adviser/tutor for program planning and scheduling.

5. Admission to candidacy for the degree will be upon completion of 4 courses (12 credit hours) and written recommendation of the adviser or tutor to the Director of Graduate Programs in Education and approval of the Director.

6. Applicants entering the graduate program may transfer in no more than nine graduate semester hours of credit at a 3.00 grade level. All such hours accepted must be from an accredited graduate institution and meet the approval of the adviser or tutor. All accepted graduate credit must be shown as relevant to the student's proposed program and degree.

7. Eleven graduate courses (33 semester hours) are required to complete the degree. The individual specifics of each model in the graduate program will be discussed during the interview with the Director of Graduate Programs in Education

Master of Fine Arts in Theatre

Applicants for admission to the Master of Fine Arts in Theatre program must:

- (1) Complete the procedures for admission to The Lindenwood Colleges.
- (2) Hold a bachelor's degree with background training and/or professional ex-

perience roughly comparable to that of an undergraduate theatre major at The Lindenwood Colleges.

(3) Submit a dossier of biographical information and theatrical experience.

(4) Audition or interview, where possible, with members of The Lindenwood Colleges Department of Theatre Arts.

Masters Programs in Lindenwood IV

The application process for Lindenwood 4 is a mutual exploration between the applicant and The Lindenwood Colleges to determine if the Lindenwood 4 learning experience is well suited to the applicant's educational needs, abilities, and interests. This exploration involves the collection of information and impressions through an orientation session, a written application package, a program development session, and an admissions interview.

Lindenwood 4 is seeking a special kind of graduate student: a self-initiating adult who has a rich background of life and career experience. Ideally, the Lindenwood 4 student is employed in the field she/he is studying or in a related field. In prospective students we especially value motivation, self-direction, creativity and maturity. Our college offers a thorough academic and professional preparation which has been designed to fit the unique strengths and interests of the adult learner.

Orientation Session: Contact the Admissions Office or a Lindenwood 4 Office for an orientation appointment. Each applicant attends an orientation session or interview with a member of the Lindenwood 4 staff. Applicants learn about the college and are assisted in preparing the application form.

Applying to the College: Submitting the application required the following procedures:

Step 1. Fill out the *application form, L-4* financial aid application (if applying for aid), and attach a check or money order for \$15.00 made out to The Lindenwood Colleges. (The \$15.00 is a non-refundable fee. It is not required of former students of The Lindenwood Colleges.) The forms and application fee are mailed to the Assistant

Director of Admissions, L-4, The Lindenwood Colleges, St. Charles, Missouri 63301.

Step 2. Request that *official transcripts* be forwarded directly from the Registrar's Office of each college or university attended to the Office of Admissions.

Step 3. Request letters of recommendation from 3 people who can assess the ability to do individualized study in the proposed field at the graduate level. Recommendation forms are available in the Admissions Office.

Step 4. Write a 1 - 2 page *autobiographical statement*. (See application form.) Bring this autobiographical statement to the Program Development Session.

Step 5. Complete the *Program Development Session*. Each applicant meets with an appropriate member of the Lindenwood 4 faculty in order to develop a preliminary Program Overview in the proposed field of study. After the session the applicant expands the outline into a more detailed typewritten document including bibliography.

Step 6. Write the *Preliminary Program Overview* using the outline provided at the conclusion of the Program Development Session.

Step 7. Complete the *Admission Interview*. Bring two typed copies of the Preliminary Program Overview, suggest any necessary revisions and make final plans for the graduate program in Lindenwood 4.

Admissions to The Lindenwood Colleges: The applicant's completed application package, including the Preliminary Program Overview, and the Faculty Administrator's recommendations from the admission interview are forwarded by Admissions to the Director of Adult Education for evaluation. This package is then reviewed by the Graduate Admissions Committee. To ensure a timely review, the applicant should make sure that all necessary documents are received by admissions office at least three weeks prior to the beginning of the trimester that the student intends to enter the prog-

ram. When the applicant has been approved for admissions she/he is notified of acceptance by letter from the Director of Admissions at The Lindenwood Colleges.

Tuition and Fees

Tuition and Fees 1978-79

The charges listed are for the academic year beginning in September and ending in May. No additional charges are made for the January term of 4 weeks for those students enrolled for oncampus study if they are enrolled in the preceding Fall Term.

If a student elects off-campus study during the January term, travel and living expenses are to be borne by the student.

Resident Students

Tuition*	\$2775
Board	\$1075
Room**	\$550-900
Student Activity Fee	\$75
Health Fee	\$30
Health Insurance (may be waived)	\$45

Total \$4550-4900

Non-Resident Students

Tuition*	\$2775
Student Activity Fee	\$75
Total	\$2850

Application Fee

New students will pay an application fee of \$15. This fee is for evaluating and processing the application for admission, the transcript of academic record, and such other data as required in support of the application. The application fee is not subject to refund whether the applicant is accepted or rejected and is not applied on the account.

*Tuition and fees are subject to change by action of the Board of Directors of The Lindenwood Colleges.

**Room Rates will vary according to the accommodation size and quality.

General Room Deposit

Each student is individually responsible for the condition of the room in which he or she lives as well as for any financial obligation incurred. A \$30 deposit is required for each resident student at the beginning of the college year. If charges are made against the deposit, an additional amount must be deposited to bring the account up to the \$30 level at the beginning of each academic year. After any charges have been deducted, the balance of the student's deposit is refundable when the student leaves the college. The student will be billed for any damage exceeding the amount of the deposit.

Deferred payment Plans

For the benefit of those who prefer to pay college fees in monthly installments, The Lindenwood Colleges provide deferred payment plans through college endorsed independent sources. For detailed information, write the Controller, The Lindenwood Colleges, St. Charles, Missouri 63301.

Payment Schedule for Lindenwood I and II (fees included in totals)

	Resident	Non-Resident
Due upon acceptance (non-refundable)	100	\$50
Due September 1	From \$2,510 to \$2,700	\$1,575
Due February 1	From \$1,940 to \$2,100	\$1,225
Totals	From \$4,550 to \$4,900	\$2,800

Special Students

Special students are those not in residence, enrolled for fewer than three courses during the fall or spring term, and admitted to special status by the Dean; or full-time students over 25. Special students may enroll for January term courses.

Regularly enrolled full-time students have precedence over special students in classes with limited enrollment. The same academic regulations with respect to good standing apply to special students as apply to regular students.

coverage must enroll in the college-sponsored group accident and sickness insurance plan. The premium is \$45 for twelve months coverage and provides up to \$75 a day for hospital room, and up to \$400 for surgery.

APPLIED MUSIC--Individual lessons in piano, voice, orchestral instruments and organ--\$75 per term for private instruction for music majors, \$90 per term for music majors studying with a member of the St. Louis Symphony. For non-music majors--\$75 per term for one half-hour lesson each week, and \$140 per term for one hour lesson each week. If instruction is with a member of the St. Louis Symphony the rate is \$90, and \$170. Music majors will pay a maximum of \$90 per term for all lessons required by the music department. If music majors enroll optionally for any additional lessons, they will be billed for those lessons at the same rate as non-music majors. Group lessons in piano are available at a reduced rate.

LINEN SERVICE--Information and rates on linen service for resident students are mailed to all students.

PARKING--Parking stickers are issued at no charge for use of campus parking lots. Automobiles without parking permits, or automobiles parked illegally, will be towed away.

General Business

All remittances should be mailed to the Controller, The Lindenwood Colleges, St. Charles, Missouri 63301.

When students have been accepted for admission, parents and guardians accept all the conditions of payment and regulations of the college.

Diplomas and transcripts will not be issued until all college accounts are paid in full.

The college is not responsible for loss due to fire, theft, or any other cause. Students who wish to insure against these risks should do so individually.

Withdrawal Terms

Each student is entered for the col-

lege year and is accepted with the understanding that he or she will remain for the final examinations at the end of the college year.

Students withdrawing from The Lindenwood Colleges may receive a refund of tuition paid according to the following schedule upon recommendation of the Dean:

First 10% of the term - 75%
Second 10% of the term - 50%
Third 10% of the term - 25%

No refund will be made after completion of 30% of the term. No refund is made for students who do not enroll for a January Term course.

For courses which meet only once a week in the Evening College, the schedule is as follows:

Withdrawal within 48 hours of end of 2nd class period - 75%
Withdrawal within 48 hours of end of 4th class period - 50%
Withdrawal within 48 hours of end of 6th class period - 25%
Withdrawal after the 6th class period - no refund

No refund of room charges can be made for the term in which a student is enrolled after the student has occupied the room. Board charges will be refunded on a pro-rata basis. Student fees are not refundable.

ACADEMIC PROGRAMS

MAJOR FIELDS AND DIVISIONS

The Lindenwood Colleges I, II, and III offer courses in three divisions and 27 majors leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Medicine, Bachelor of Music, Bachelor of Music Education, and Bachelor of Science degrees. Specific degree requirements are listed in the sections describing particular academic programs. Major requirements are listed along with the courses of instruction in the following section. In addition to the standard majors, a contract-degree pro-

gram is available to enable students to design their own majors.

Humanities

The Division of the Humanities offers majors in Art History, Studio Art, Broadcasting/Journalism, Communication Arts, Dance, English, French, Music, Spanish, and Theatre Arts leading to the Bachelor of Arts degree. The Bachelor of Arts degree requires the completion of the foreign language or foreign culture requirement.

A major in Studio Art, Broadcasting/Journalism, Communication Arts, Dance, French, Music, Spanish, and Theatre Arts can lead to the Bachelor of Science degree.

A major in Studio Art can also lead to the Bachelor of Fine Arts degree and a major in Music can lead to the Bachelor of Music or Bachelor of Music Education degree.

Courses of study are also offered in Classics, German, Philosophy, and Religion.

Natural Science and Mathematics

The Division of Natural Science and Mathematics offers majors in Biology, Biomedical Science, Chemistry, Mathematics, Medicine, Medical Technology, Nursing, and Physical Education. These majors may be pursued for either the Bachelor of Arts or Bachelor of Science degree.

Laboratory fees are charged to cover the costs of supplies consumed during a term and vary according to the course.

Social Science

The Division of the Social Sciences offers majors for the Bachelor of Arts and the Bachelor of Science degrees in Business Administration, Elementary Education, Education (with major in subject area), History, Political Science, Psychology, Public Affairs, Sociology, Sociology/Administration of Justice, and Special Education (L.D., and E.M.R.)

The Associate in Science degree in Business Administration is available in the

Evening College (Lindenwood III).

Graduate Degrees

The master's degree is offered in these areas: Master of Business Administration, Master of Arts, Master of Fine Arts, and Master of Science. See subject departments for the particular areas available for work toward the master's degree.

STANDARD DEGREE REQUIREMENTS LINDENWOOD I, II, AND III

Bachelor of Arts

The curriculum for the Bachelor of Arts degree has the following requirements distributed over the four years:

1. A minimum of 36 courses required for graduation.
2. A knowledge in depth of a foreign language or foreign culture (see below).
3. One Basic English Composition, the Lindenwood Common (day students) or the Lindenwood Colloquium (evening students).
4. One half course credit in Physical Education activity courses (Lindenwood I and II only).
5. Six courses—two from each of the three divisions—to meet distributional requirements. In the Natural Sciences and Mathematics Division, the choices must be made as follows: one course from MTH 101, 102, 103, 104, 171, 172; and the other from BIO 101, 102, CHM 151, 152, PHY 151, 152, and SCI 101, 102.
6. Eight to twelve courses in a major area except where noted in specific majors.
7. Two to four courses outside the major but within the division of the major, as specified.
8. A knowledge in depth of a foreign culture, to be acquired in one of the following ways: (a) completion of four courses in one language; (b) completion of four courses in a foreign culture—all of which may be given in English, or one or two of which may be in

English and two or three in the language of that culture; (c) completion of three courses in each of two foreign cultures--a total of six courses including all given in English or two in the language and one in English for each of either of the two cultures.

Foreign cultures include French, German, Graeco-Roman, Italian, and Spanish. A total of one course in independent study will be allowed and a total of one course composed of fractional credits will be allowed. Tested proficiency in a specific language may fulfill one half or all of any of the above stipulations. Credit toward the foreign culture requirement may also be part of the distributional requirement.

Any course listed under Foreign Languages or Classics is acceptable as part of this requirement, with the following exceptions: the first half of an elementary course in a modern language is not accepted unless the second half of the course has been successfully completed; FLC 20-21, Scientific Terminology from Greek and Latin, is not accepted.

In addition to the offerings under Foreign Languages and Classics, the following courses are suggested as possible choices for fulfillment of the foreign culture requirement:

French--Art 254, Art 267, HIS 231, HIS 232.

German--Art 370 (with appropriate content), HIS 101, MUS 355.

Graeco-Roman--ART 257, ENG 229J.

Italian--ART 280, ART 281, Art 370 (with appropriate content).

Spanish--ART 323J

Each of the above courses will count as ½ course credit toward the requirement, except for HIS 101, ART 257, and ENG 229J, which will count as full courses.

Bachelor of Science, Fine Arts, Music, or Music Education

1. A minimum of 36 courses is required for graduation.
2. One Basic English Composition, the Lindenwood Common (day students) or the Lindenwood Colloquium (evening students).

3. One half course credit in Physical Education activity courses (Lindenwood I and II only).

4. Ten courses--three from the Humanities Division, three from the Social Sciences Division and four from the Natural Sciences and Mathematics Division. Of the four, two must be chosen from: MTH 101, 102, 103, 104, 171, 172; and two from: BIO 101, 102, CHM 151, 152, PHY 151, 152, and SCI 101, 102.

5. Eight to twelve courses in a major area except where noted in specific majors.

6. Two to four courses outside the major but within the division of the major, as specified.

If the foreign language requirement is met in the Bachelor of Music or Bachelor of Music Education degrees, only six courses (two from each division) are needed for the distributional requirement.

CONTRACT DEGREES

The Idea of the Contract Degree

The Contract Degree Program is an alternative to the traditional degree at The Lindenwood Colleges. It can be elected only when the student's educational objectives cannot be met through one of the standard programs.

Supervision of the program is provided by a Joint Review Committee comprised of students and faculty members equally representative of the Curriculum Committees of Lindenwood College I and II.

The standard college degree requirements for the bachelor degree are maintained. These include the requirement of English Composition, Lindenwood Common, foreign language or culture for the Bachelor of Arts, the appropriate distributional requirements, course load, and standard grading practices. (Any variation in the pass-fail stipulations of the regular program must be worked out in the contract.)

Students may choose the contract degree if they:

1. Have demonstrated inability to meet needs within the existing programs.

2. Need to meet a particular ability or achievement objective.
3. Need to meet a particular career objective.
4. Need to prepare for a particular philosophical, religious, or aesthetic life role.
5. Need to achieve a level of personal development in areas which the individual student determines himself/herself.

Procedures for the Contract Degree

1. At the beginning of each long term the Joint Review Committee will conduct an *orientation session* for the purpose of explaining the use of the contract to all eligible students.
2. Ordinarily a contract may be formulated *no sooner than the end of the Freshman year and no later than the end of the first long term* of the Junior year.
3. Students desiring to enter this program should *obtain the proper forms* from their respective Deans.
4. Students interested in the Contract Degree Program will *choose an adviser* from the faculty who, with the student, will develop a committee of at least three faculty members. These faculty members should be in disciplines covered by the contract.
5. The student and his/her faculty adviser and faculty committee will then *draw up the contract* and submit it to the Joint Review Committee which will evaluate the contract and make recommendations concerning its adoption. This evaluation is submitted to the Curriculum Committee of the student's College and then to the Educational Policies Committee for final approval subject to administrative review for commitments of resources and budget. Each year, prior to preregistration, contract students, their advisers, and their Advisory Committee should make reports to the Joint Regress made.
6. On completion of the requirements of the contract, the student's adviser

and Faculty Committee, through authorization of the Joint Review Committee, will indicate *satisfactory completion of the contract to the Registrar* who is thereby authorized to take this recommendation for the degree to the Faculty at the appropriate time.

7. Dissolution of the contract and arrangements for return to the standard degree program may be initiated at any time by the student or his/her Advisory Committee and must be approved by the Joint Review Committee.

8. *Formal notice of dissolution of a contract* must be filed with the Registrar by the adviser, and the adviser is then responsible for directing the student in resuming a standard degree program.

Disclaimer

The contract will contain a statement to the effect that the student recognizes that he or she is being certified for graduation only, and that he or she has chosen to shape his or her own program within the limits of the resources, faculty and financial, which can be provided by the College. The student also accepts the responsibility for the consequences of the decision: for example, that the contract major may not be recognized or found acceptable by other persons, institutions, or graduate schools.

Exemptions and/or Advanced Placement

Students of The Lindenwood Colleges who feel that their past experience, background and study provide them with the equivalent content of courses at the colleges can apply for exemptions from these courses.

Forms to request exemptions or advanced placement are available in the offices of the deans. The appropriate department chairman and dean will act upon these requests. The Lindenwood College for Men Curriculum Committee, acting on behalf of the Educational Policies Committee, oversees policies and procedures affecting exemptions and advanced placements. An evaluation fee is charged for exemption credits.

Practicum Credit

The degree programs of The Lindenwood Colleges are designed to permit each student unusual opportunity to construct an academic program of particular relevance within the framework of the liberal arts and sciences. Non-traditional studies may be recognized by the use of practicum credit. Credit can be granted, for example, for work and study in nursing schools, trade and technical schools, job experience, social services, laboratory experience and work in the communications field. A student can utilize up to a maximum of nine courses of practicum credits toward the completion of any degree.

Application forms for practicum credit are available in the Office of the Dean of Lindenwood College for Men. The Curriculum Committee of the men's college reviews practicum credit for all of the colleges. An evaluation fee is charged for the rewarding of practicum credit.

Returning Credit

A student who lacks no more than 2½ courses (9 semester hours) to complete the 36 courses required for his/her degree may obtain the necessary credits at another accredited institution and 'return credit' to Lindenwood. Completion of course requirements under this arrangement must be achieved within one calendar year.

Upon receipt of an official transcript showing that sufficient credit has been satisfactorily completed, the Registrar will enter the credit earned; the date of completion of the degree will be that date on which the transfer transcript is received. Participation in graduation will be in the next ceremonies following the date of issuance of the degree. Failure to complete course work in the allotted time will necessitate re-enrollment at Lindenwood in order to fulfill requirements for the degree.

ACADEMIC PROCEDURES

LINDENWOOD COLLEGES I, II AND III

Classification of Students

Academic progress is calculated in course units rather than credit hours. To be classified as a sophomore, a student must have successfully completed at least nine courses; to be classified as a junior, at least 18 courses; to be classified as a senior, at least 27 courses. The classification of a student is changed only at the end of the fall and spring terms.

A regular student is generally considered to be a resident or commuting student, under 25, who is taking three or more full courses per 14-week term, paying tuition by the year. A special student is one who is enrolled in fewer than three courses per 14-week term and makes tuition payments by the course.

Academic Load

To maintain full-time status, a student is expected to carry at least three courses in the fall and spring terms. Missouri students expecting to qualify for Missouri State Grant funds are required by the state to be enrolled in a minimum of three and one-half courses.

A regular student may carry a maximum of ten and one-half courses during the normal academic year without additional charge, with the exception of fees as stated for specific courses and science laboratory courses.

Course credits in excess of ten and one-half are subject to the overload fee of \$210 for a full course as well as approval by the appropriate dean. One course is considered a full load in the January term, although certain fractional courses may be carried in addition to the full load as approved by the dean of the appropriate college.

Registration and Changes in Registration

The student is expected to register on the official registration day for each term or at designated pre-registration times. Late registration must be approved by the Registrar and is subject to a late registration fee.

Courses which are listed in two departments (a cross-listing) may be taken only in the area of the student's major.

Changes in registration are permitted with the approval of the student's faculty adviser during the first week of classes in the fall and spring terms and the first two days of the January term. While no courses may be added after the designated times, courses may be dropped without academic penalty during the first nine weeks of the fall and spring terms and during the first 60% of the January term.

In exceptional cases, the student may drop a course with the recommendation of the instructor and approval of his adviser. Such courses will be awarded a grade of WP (withdraw/pass) if the student has a grade of D or higher at the time of withdrawal or a WF (withdraw/fail) if the student is failing. A WF grade is calculated as an F in a student's grade point average.

Class Attendance

The faculty has adopted the following statement of policy regarding the student's class attendance:

1. It is desirable that the student attend each meeting of each course.

2. The responsibility for a student's educational progress rests with the individual. Every student must adapt to the attendance requirements of each course. Except for absences before and after holidays and officially excused absences for field trips or because of illness, attendance requirements in each course are set by the instructor.

3. All students are expected to attend the last meeting of a course before a vacation period and the first meeting of a course following a vacation period. Only in rare instances involving clear emergency will such absence be excused.

4. In case of unsatisfactory work due to excessive absences from class, the instructor may give ample warning to

the student that his work is unsatisfactory and may drop the student from the course and report a grade of WF to the Registrar.

5. All absences because of illness must be certified by the nurse at the Student Health Center.

6. Persons receiving benefits from the Veterans Administration are governed by special regulations concerning class attendance. See above.

General Grading System

Students may earn grades of A, B, C, D, F, WP, WF, INC and CN. A mark of A represents work outstanding in quality; it indicates that the student has shown initiative, skill and thoroughness and has displayed originality in his thinking. The B grade is awarded for work of high quality, well above average. The grade of C indicates average work and satisfactory completion of course requirements. The D grade represents work below the average in quality. Although this grade indicates unsatisfactory work, course credit is given. An F grade indicates that the course work was unsatisfactory. No credit is given. WP is withdrawal with a passing mark and WF is withdrawal with a failing mark.

A grade of INC (incomplete) is given only at the end of the term for failure to complete course work because of exceptional circumstances acceptable to the instructor. An INC grade must be removed within the first six weeks of the next 14-week term or it automatically becomes an F.

The CN (Condition) grade is given only for the first term of a two-term course where work is of doubtful quality. The condition must be removed by satisfactory work in the following term or the CN is automatically changed to an F.

Any request for an extension of time to complete an INC grade must be submitted to the Registrar no later than two weeks BEFORE the date the grade is due. Such requests will then be sent to the Educational Policies Committee for consideration. After nine weeks the student may drop a course only with the recommendation of the instructor and final approval of the student's adviser. Such courses will be awarded a WP or WF, as indicated by the instructor.

Grades are issued to all students at the end of each term. D and F warning notices are sent to the student, his adviser and his Dean after midterm examinations, during the eighth week of the 14-week term. Cumulative records are maintained for each student on individual transcripts as well as a cumulative grade point average record.

Final Examinations

The student will find that the means for evaluating progress varies from course to course. In some cases evaluation will take the form of research or independent study papers. In the majority of cases, evaluation will primarily take the form of several examinations throughout the term and a final examination at the end of the term. When a final examination is included as part of a course requirement, the faculty member will adhere to the final examination schedule that is established by the Registrar. The faculty member will not administer a final examination at any time prior to the time and date approved by the Registrar. The student is expected to plan personal affairs, such as travel home, vacation and summer employment, in such a way that there will be no conflict with the final examination schedule. Only in rare instances involving clear emergency will the student be allowed to take final examination(s) at an earlier date, and approval must be granted by the Dean of the appropriate college.

During the final term prior to graduation, graduating seniors may be exempt from final examinations in those courses where they have a grade point of 3.0 or above. Arrangements for the exemption must be initiated by the student who wishes it and are subject to the instructor's approval.

Scholarship Standards

The following standards of scholarship have been established:

1. To qualify for graduation a student must attain a cumulative grade point average of at least C (2.0). Failure to maintain established standards of scholarship will result in probation or suspension or dismissal from the College. The January Term grade will

apply only to the cumulative point ratio.

2. A student will be placed on probation at the end of any term in which he/she falls below the established standards. If that standard is not attained by the end of the following 14-week term, the student may be suspended or dismissed from the College.

Regulations concerning probation are as follows:

3. A student who receives an F in one-half or more of the courses taken, in either a fall or spring term, will be on probation and must have the permission of the Dean of his/her college to continue in the next term.

The first-year student who fails to achieve a grade point average of 1.6 or above in either 14-week term, and the second-year student who fails to achieve a grade point average of at least 1.8 in any 14-week term will be on probation.

The Pass/Fail Option

The Pass/Fail option is designed to encourage the student who wishes to venture into a field of knowledge relatively unknown or difficult without the fear that unsatisfactory performance will impair his/her academic standing.

Except for the freshman student in his or her first term, any student who has at least a 2.0 grade point average and is carrying a normal load, including the Pass/Fail course, is eligible. Only four requirements limit the student's freedom to elect the Pass/Fail option:

1. The option must be elected when the student registers but no later than the week allowed for schedule change.
2. Only one Pass/Fail course may be taken in any one term.
3. No more than five Pass/Fail courses will be recorded on the student's scholastic record and counted among the courses required for graduation.
4. The Pass/Fail option may not be utilized in divisional or departmental (general college) course requirements or for courses in the student's major.

The student who wishes to change any course from Pass/Fail and receive a grade under the general grading system must make certain that both the instructor and the Registrar are notified *in writing* NOT LATER THAN the mid-term date established by the Registrar; otherwise the instructor will automatically report the grade as Pass or Fail. Failing grades in such cases are not entered in the student's scholastic record.

Grade Point Average

The Lindenwood Colleges operate under a 4.0 grading system. The grade point average is computed in the following manner: in each full course in which the student earns an A, he or she earns four quality points; each course in which a student earns a B, three quality points; each course in which a student earns a C, two quality points; and each course in which a student earns a D, one quality point. A grade of F carries no quality points and no credit.

Fractional courses carry appropriate quality points, depending on grade and amount of credit given for the course.

A student's cumulative grade point average is determined by dividing total quality points by total courses taken by the student since enrollment at The Lindenwood Colleges. Courses for which a grade of INC is given are not included in calculating a student's grade point average until the INC is removed by completion of the required work or by exercise of the automatic F option when work is still incomplete at the end of the six weeks extension allowed. While a Pass is recorded on the student's scholastic record, Pass/Fail grades are not included in calculating the grade point average.

For junior classification a student must have earned 18 course credits. The student will be on probation if either the cumulative or term grade point average is under 1.9.

For senior classification a student must have earned 27 course credits. The student must have a cumulative or term grade point average of 2.0 or above to be in good standing.

4. Any junior student who earns less than a cumulative grade point of 1.9

or senior student who earns less than a 2.0 cumulative grade point average will be placed on cumulative probation. It is possible for junior and senior students to earn term and cumulative probation simultaneously.

5. Academic probation means that a student is not in good standing, and

6. Suspension is normally for one term. A student who has been suspended may apply for readmission. Readmitted students will be placed on academic probation. A readmitted student failing to achieve the necessary grade point average by the end of the second term after readmission will be permanently dismissed from the College.

7. Probation, suspension and dismissal notices are sent to the student and to the student's parent or guardian. Notification is also sent when probationary status is removed.

Quality points earned in courses taken at summer schools other than The Lindenwood Colleges do not affect the student's prior spring grade point average. Such quality points are added to the student's *cumulative* grade point average, which is computed at the end of the fall term. Scholastic probation that is imposed on a student at the end of the spring term can be removed if quality points earned in The Lindenwood Colleges Summer Session are sufficient to raise the spring term grade point average to the established standard.

Dismissal

The Colleges reserve the right to request at any time the withdrawal of a student who is unable to meet academic standards, or whose continuance in college is felt to endanger the student's own health or that of others, or who does not observe the social regulations or standards of conduct of the Colleges.

Withdrawal From The Colleges

Any student who decides to voluntarily discontinue his/her studies at The Lindenwood Colleges at any time after the

term has begun must immediately notify the Dean of the College in which he/she is enrolled. This also applies to students who are not graduating, but do not plan to return to Lindenwood following the end of any term.

Readmission

In all cases of readmission regular students who have discontinued study at Lindenwood voluntarily or who have been suspended for academic or other reasons, application must be made to the Dean of the College in which the student was previously enrolled. Readmission may be granted if the applicant presents clear evidence of ability as well as both social and academic motivation for successful college work.

Dean's List

Immediately following the close of the fall and spring terms, the Deans of the Colleges for Women and Men announce the names of those students who have achieved a grade point average of at least 3.5. The list of students from the Evening College with grade point averages of at least 3.5 is announced yearly in the fall by the Director of the Evening College.

Graduation with General Honors

The Lindenwood faculty awards general honors for distinguished academic achievement to those students who have completed all degree requirements. Honors are based on the cumulative grade point average, which is calculated on total quality points divided by total courses earned at time of graduation. These totals include work transferred to The Lindenwood Colleges where applicable. Students whose cumulative grade point averages fall within the following ranges are eligible:

The student who achieves a cumulative grade point average between 3.7 and 3.85 receives the degree *cum laude*.

The student whose cumulative grade point average is between 3.86 and 3.93 re-

ceives the degree *magna cum laude*.

The student who achieves a cumulative grade point average of 3.94 or above receives the degree *summa cum laude*.

Departmental Honors

Seniors with a record of achievement may elect to do individual work of an advanced quality in the field of their majors. The course designated 394 may be, upon petition to the appropriate curriculum committee, expanded to a two or three-term course which will lead to graduation with Departmental Honors. The project may be a research problem or a creative undertaking, such as a composition in music or in art, or an inter-disciplinary question.

To qualify for the Departmental Honors Program, the student is expected to have a grade point average of 3.0 or higher. An application in writing must be made to the chairman of the Curriculum Committee in the student's college. The project must be two or three terms in duration and will carry one course credit each term. The project must be completed and a final report submitted by April 1 preceding the student's commencement date.

An oral examination will be given by the committee covering the material contained in the report. Depending upon the quality of the report and the results of the oral examination, the committee may award the student's work with (1) Credit with a grade, (2) Honors, (3) High Honors, or (4) Highest Honors in the Department in which the work was undertaken. The award of Honors, High Honors, or Highest Honors will be listed on the commencement program and made a part of the student's permanent academic record.

Honors Day

In the spring of each year The Lindenwood Colleges hold a general convocation at which students who have been campus leaders, achieved departmental honors, named to honor societies or whose academic grade achievement has been particularly outstanding during the year, are given special recognition.

Independent Term

Any junior or senior student in good academic standing may select two faculty members and, after securing their approval, write, with their help, a proposal that will define an independent program of study for a regular term. This program will be individually designed to meet a particular goal or need of the student. It can involve participation in classes, tutorials, and field work, on or off-campus, or a combination of these. The student will be entitled to attend any class on campus during that term with the instructor's approval.

Approval of an independent term proposal can only be granted by vote of The Lindenwood Colleges Curriculum Committee after an examination of the documents and an oral discussion with the student and the sponsoring faculty.

Graduation Counseling

While faculty advisers and the Registrar are ready at any time to counsel seniors on requirements for the student's major as well as general degree requirements, it is the responsibility of the student to verify his eligibility for graduation with BOTH adviser and Registrar BEFORE the term in which he expects to complete his degree.

Calendar

The Lindenwood Colleges I, II and III use the 4-1-4 calendar. The fall term begins in September and ends before Christmas. The spring term begins in February and ends in May.

During the one-month January term only one course is taken, providing an unusual opportunity for independent study and research both on and off campus.

Courses offered in the January term are those that are particularly adaptable to the intensive approach the term provides.

Lindenwood IV uses a trimester calendar. The fall term begins in October and ends in January. The winter term begins in February and ends in May, and the summer trimester begins in June and ends in September.

Course Numbering

- 0-090 Fractional courses not involving independent study. Courses numbered 080 to 090 have prerequisites.
- 100-189
200-289 Courses open to all students *without* prerequisites.
- 191,192
192,194 Independent study off-campus with the final digit indicating the fraction of full-course credit to be earned ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1).
- 291,292
293,294 Independent study on-campus with the final digit indicating the fraction of full-course credit to be earned.
- 300-389 Courses having prerequisites.
- 394 A full course of independent study designated as an honors project.
- 400 Field study (one full course credit).
- 450 Internships (2 full courses credit or more).
- 500-699 Graduate courses.

Transfer of Credit

Credit transferred to Lindenwood from an accredited two-year college cannot exceed 63 hours of satisfactory work, or whatever number of hours required for the associate degree in that college.

Any credit transferred to Lindenwood from another accredited college or university will become a part of the permanent re-

cord of the student. Only those courses with grades of C or higher will be accepted for credit toward a degree. Transfer grade point averages and the Lindenwood grade point average will be calculated separately, but are combined when senior grades are averaged to determine honors.

A student at Lindenwood who plans to take courses at another college or university while pursuing his/her degree at Lindenwood must first obtain permission for transfer of these courses to Lindenwood from the Dean of the college in which he/she is enrolled and in consultation with the student's major adviser.

The student not previously enrolled in one of The Lindenwood Colleges and who enters with senior standing must complete a minimum of nine courses at Lindenwood, two of which must be in his or her major at Lindenwood, such courses to be approved by the appropriate department chairman.

Correspondence Work

A maximum of two courses of academic work taken through correspondence may be credited toward a degree. This work may satisfy subject requirements with prior approval by the respective departmental chairman and the Dean of the College in which the student is enrolled.

Arrangement of Course Schedule

The course of study is planned in consultation with the student's faculty adviser, usually during the pre-registration periods. The faculty adviser should be consulted during each term to review the student's program, progress and subsequent plans. The opportunity which the student is given in planning an individualized academic program makes regular consultation with a faculty adviser essential. Regular consultation will help ensure that the student takes full advantage of the resources of the colleges.

Veterans' Benefits

Because of requirements imposed by the Veterans Administration, and as a condition of being certified to receive benefits from the VA, the student receiving such

benefits acknowledges the following policies which may differ from those required of other students at Lindenwood:

1. In the event of withdrawal from a course after one calendar month of any 14-week term, or after the fourth class meeting in a January Term, or after the fifth class meeting in the Summer Term, the individual shall receive the grade of F.

2. The student accepts the responsibility of notifying the Registrar and the Dean's Office immediately in case of any withdrawal from any course.

3. The student accepts the responsibility of notifying his/her instructors of any absence from class. A student will be withdrawn by the colleges from any course in which he/she has more than two consecutive unexcused absences.

4. The above mentioned policies shall remain in force until expressly revoked.

5. LC 4 students receiving benefits through the Veterans Administration must comply with the school's general policies regarding withdrawal, attendance and satisfactory progress.

Auditors

Unless restricted in the course description, a student may attend any lecture course as an auditor. Students are not permitted to audit skill courses involving extensive supervision by the instructor. The student will be expected to attend regularly scheduled classes. No credit can be earned or later claimed by the student who audits a course. For audit fees, see the section on Tuition and Fees.

Buckley Amendment (Privacy Act)

The Buckley Amendment, passed in November 1974, makes it mandatory that a student file with the Registrar a statement of preference regarding the distribution of term grades. Once this statement is filed, it continues in effect until the student may redirect the Registrar with a second written statement. This act, with which the institution intends to comply fully, was established to protect the privacy of educational records, to establish the right of students to inspect and review their education records, and to provide guidelines for the cor-

rection of innaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Education Rights and Privacy Act Office (FERPA) concerning alleged failures by the institution to comply with the act.

A copy of the Lindenwood policy, explaining the procedure to be used by Lindenwood for compliance with provisions of the Act can be found in the office of each dean and the Registrar. These offices also maintain a Directory of Records which lists all education records maintained on students by The Lindenwood Colleges. Questions concerning the Family Education Rights and Privacy Act may be referred to the Registrar's office.



COURSES OF STUDY

ART HISTORY

Faculty: Kanak (Chairman), Eckert

Requirements for the Major

The major in Art History is offered within the Bachelor of Arts degree program. Seven courses in art history and two courses in studio art are minimum requirements for the major. No more than twelve art history courses and four courses in studio art may count toward the graduation requirement of 36 courses. Two years of a foreign language are required for the art history major.

Facilities and Activities

Seminar and lecture rooms for art history studies are located in the Fine Arts Building. An extensive collection of slides provides illustrations for art history lectures. Resources for studying historical and contemporary examples of art in the metropolitan area are the St. Louis Art Museum, Steinberg Gallery at Washington University, commercial art galleries and galleries of other educational institutions. Monthly displays of works of art are held in the Harry D. Hendren and Lounge Galleries of the Fine Arts Building.

Career Opportunities

The student with a major in art history may follow a career in teaching, museum work (curatorship, education and administration), commercial art gallery management, preservation and conservation, art journalism and criticism, art consultant, and governmental agencies relating to the arts.

Courses of Study

All courses in the history of art are available as distributional electives.

In addition to the standard course offerings in art history listed below, the student may include independent study, field study and an internship as part of the major program of study. The January term frequently provides travel opportunities for the study of works of art in Europe and Mexico.

ART 225* History of Photography. A history of the technological and esthetic developments in photography from 1839 to the present day. Pho-

tography will be considered in the context of major movements in the visual arts during the 19th and 20th centuries. Eckert.

ART 254* Nineteenth Century Art. Neoclassicism, Romanticism, Realism, Impressionism and Post-Impressionism in 19th century European art. Eckert.

ART 255* Pre-Columbian Art. The study of the arts and artifacts remaining from Indian cultures of the United States Southwest, Mexico, Central and South America. Wehmer.

ART 256* Baroque Art. A study of the national and international aspects of baroque and rococo styles in European art. Eckert.

ART 257* Greek and Roman Art. A study of Aegean, Greek and Roman Art. Eckert.

ART 259* American Art I. A study of American art from Colonial times to 1820 with emphasis on European influences and the development of indigenous styles. Eckert.

ART 260* American Art II. A study of American art from 1820 to the Armory Show. Eckert.

ART 261* Twentieth Century Art. A study of the 'isms' which define the styles of European and American art in the early 20th century. Staff.

ART 262* Twentieth Century Art II. A study of the reaction and interaction of the dominant styles of the 20th century from 1930 to the present with particular reference to the role of art in American culture and society. Staff.

ART 263* Oriental Studies I. A study of the arts and literature of India, China and Southeast Asia in relationship to the religious and philosophical tenets of the cultures in which they flourished. Eckert.

ART 264* Oriental Studies II. A study of the arts and literature of Japan in relation to the broad aspects of the esthetic traditions which have enriched Japanese culture. Eckert.

ART 268* Christian Art. A study of the arts of the Christian world from 300 to 1300 in relation to the cultures in which they have flourished. Early Christian, Byzantine, Carolingian, Ottonian, Romanesque and Gothic styles are studied. Eckert.

ART 271* History of Drawing and the Graphic Arts. A study of the visual concepts, techniques and processes which have brought about the development of varied esthetic traditions in drawing and the graphic arts. Staff.

ART 280* Renaissance Art I. The art of Italy and Northern Europe from 1300 to 1460 in relation to late Medieval and Renaissance culture. Eckert.

ART 281* Renaissance Art II. The art of Italy and Northern Europe from 1460 to 1600 with consideration of the emergence of High Renaissance and Mannerist styles. Eckert.

*Offered alternate years.

ART STUDIO

Faculty: Kanak (Chairman), Eckert, Wehmer

Requirements for the Major

The student who wishes to major in studio art may elect a program leading to the B.A., B.S. or B.F.A. degree. The areas of study are: ceramics, design, drawing, painting, photography, printmaking and sculpture. The student in consultation with an adviser plans a major program which will fulfill the area requirements in art and which will develop an emphasis of study in one or more of the studio areas.

Requirements for the B.A. and B.S. degrees

The major in Studio Art for these degrees requires a minimum of seven studio art courses and two art history courses. No more than 12 studio courses and four courses in art history may be counted toward the graduation requirements of 36 courses.

Introductory core:

Three courses: 106, 236, 208.

Drawing:

One course

Painting/Printmaking:

One course

Three-dimensional Area (Ceramics, Sculpture, other):

One course

Studio Art Electives:

One to five courses, in which an area of emphasis should be developed.

Art History:

Two to four courses

Requirements for the B.F.A. degree

The B.F.A. degree, the professional degree in studio art, requires a minimum of 16 studio courses and permits a maximum of 20. Four courses in art history are required for the degree. Although optional as a degree requirement, foreign language study is recommended.

Introductory Core:

Three courses: 106, 236, 208

Photography:

One course at a level appropriate to the student's experience

Drawing Core:

Three courses

Painting/Printmaking Core:

Four courses: one course in painting, one course in printmaking; two additional courses in either media

Three-dimensional Core (Ceramics

Sculpture, other):

Four courses

Studio Art Emphasis:

One to five courses

Art History:

262, three additional courses

General requirements for the B.A., B.S. and B.F.A. degrees are outlined under descriptions of these degrees elsewhere in this bulletin.

Art 106 (Introduction to Basic Design and Movement) and Art 236 (Design Workshop) are foundation courses which are prerequisites for study in any of the art studio areas. These courses are normally taken in the Freshman year, one in each of the fall and spring terms.

The Studio Art Faculty reserves the right to retain a copy of prints done under its instruction. Works of student art in other media may be reserved by the Faculty for a period of up to two years following a student's graduation.

Art Education

A program in Art Education is offered for the student preparing to teach art in primary and secondary schools. This program may lead to the B.A., B.S. or B.F.A. degree. The completion of art requirements for the appropriate degree and the fulfillment of required courses in Education, including Student Teaching, leads to certification to teach art from the Kindergarten level through grade 12.

Courses of Study

In addition to the standard offerings in studio art listed below, the student may include independent study, field study and an internship as part of the major program of study. The January term provides opportunities for unusual and specialized courses in studio art and for studio art experiences and the study of works of art in Europe and Mexico.

Art studio courses numbered above 200 may be repeated one or more times. Studio art courses are not open for audit.

ART 105 Introduction to Studio Art (Evening College and Summer School only). An introductory course in the theory and practice of the basic elements of composition and design of two and three dimensional problems. Designed to provide the necessary background for continuation in specialized studio courses. **Staff. Lab fee \$5.**

ART 106 Introduction to Basic Design and Movement. An elementary course in art and dance involving a study of the elements of composition, including design in movement, in relationship to two or three dimensional problems. **Amonas, Wehmer, Kanak. Lab fee \$5.**

ART 184 Beginning Still Photography. An introduction to the basic principles of still photography, basic camera and darkroom techniques. The emphasis in the course is on the photographic image and on learning to see photographically. **Staff. Lab fee \$10.**

ART STUDIO

ART 208 Color Theory and Design. A study of the properties of color and the optical effects in perception. The application of color theory through design problems using pigments, colored papers and other media. Eckert. Lab fee \$5.

ART 236 Design Workshop. An exploration of three-dimensional space and design. Problems in the additive and subtractive processes will be concerned with open and closed space, mass and volume. Basic fabrication skills are taught. Kanak. Lab fee \$10.

ART 237 Visual Communications for Business. A study of the role of visual design in achieving desired goals in the promotion, marketing and retailing of products and services. The esthetics, techniques and media of design will be considered in relationship to advertising, packaging, display and the creation of corporate images. Leu.

ART 238 Visual Communication Design. A studio course in the development of effective visual concepts for communications through design and in the presentation and solution of design problems for business and the media. Studio problems will be both theoretical and practical in nature. The techniques for effective visual communication will be explored. Leu. Lab fee \$5.

ART 240 Introduction to Ceramics. An introductory investigation of clay as a medium for creating functional and sculptural forms. Techniques are taught in wheel throwing, hand building, glazing and kiln firing. The student becomes familiar with historical and contemporary ceramics through lectures, exhibits and visual aids. No prerequisites. Staff. Lab fee \$35.

ART 284 Intermediate Still Photography. The student will study the work of selected photographers and select the work of one photographer for thorough criticism and analysis. Students will also complete assignments in photography and submit a portfolio of photography. Prerequisite: two full-credit courses of studio art and ART 184. Staff. Lab fee \$10.

ART 300 Painting. Painting in varied media with instruction and criticism appropriate to the need and level of the individual student. Prerequisite: ART 106 and 236 or consent of instructor. Wehmer, Kanak. Lab fee \$10.

ART 302 Selected Design Problems: Studio Art. Problems in various media for the studio art student as an extension of study in a particular area beyond the normal course limitation. Work done in fulfillment of this course can be done within existing class structures combined with individual study. Prerequisite: 300-level courses in appropriate areas of study. Lab fee is assessed in relation to the nature of the study. Staff.

ART 311 Printmaking—Intaglio. Printing with metal plates using the techniques of etching and engraving. Prerequisites: ART 106, 236 and 330. Kanak. Lab fee \$20.

ART 312 Printmaking—Collagraphy. A form of printing, which, because of its raised surface, is related to the relief process, but is printed in the manner of intaglio print. Emphasis will be on the use of color and large format. Prerequisite: ART 106, 236 and 330. Wehmer. Lab fee \$20.

ART 313 Printmaking—Relief. Basic techniques in woodblock and linoleum block printing in black and white and in color employing oil-based inks on a variety of papers and surfaces. Some experimentation with found-object printing, embossing and batik will also be included. Prerequisites: ART 106, 235 and 330. Wehmer. Lab fee \$20.

ART 314 Printmaking—Silk Screen. This course will concentrate on the technique of silk screen printing as related to commercial art as well as to the fine arts. All of the materials and techniques used in silk screen printing will be explored including photographic silk screen. The esthetic properties of the silk screen print either as a painting or as a commercial design will be the focus of the course. Prerequisites: ART 105, 236 and 330. Wehmer. Lab fee \$20.

ART 320 Sculpture. Sculpture in varied media with instruction and criticism appropriate to the need and level of the individual student. Prerequisites: ART 106, 236 and 330, or consent of the instructor. Staff. Lab fee \$20.

ART 323J Studio Art and Art History—Mexico. A course in studio art and the history of art for students qualified in either area. San Miguel de Allende with its numerous art schools, galleries, and private studios will be the center for the study of drawing, painting, and related studio practice for the first 14 days of the course. The third week will be spent in Mexico City and environs, studying the art of ancient cultures on location or the relics in the Museum of Anthropology. Side trips to Teotihuacan, Tula, Cuernavaca, and other areas of archeological interest will be conducted during the week. The course concludes with a final week in Merida, Yucatan. It will be spent seeing the Toltec-Mayan sites of Chichen-Itzen and Uxmal. Prerequisites: Pre-Columbian Art History and any studio art course or demonstrated proficiency in drawing or painting. Wehmer.

ART 330 Drawing. Drawing in all media with instruction and criticism appropriate to the need and level of the individual student. Prerequisite: ART 105 and 236. Wehmer, Kanak. Lab fee \$10.

ART STUDIO

ART 333 Stained Glass: Techniques and Tradition. A course stressing the techniques of making stained glass pieces: windows, lampshades and decorative articles. The history of colored glass and its application will be briefly considered as well as field trips to studios and public buildings for first hand study of techniques and effects. Costs of materials will be the responsibility of the students. Prerequisite: any studio art course. Wehmer.

ART 340 Ceramics. Studio experiences of creating with clay as a three-dimensional medium. Class projects will be both functional and sculptural in nature allowing the student to perfect skills in wheel throwing, hand building, glazing and kiln firing. The student broadens an understanding of ceramics through guest workshops, lectures, field trips, and visual aids. Prerequisites: Art 106 and 236. Mosley. Lab fee \$35.

ART 384 Problems in Photography. An advanced course for the experimental photographer. The student will complete assignments involving experimentation with and manipulation of the photographic image. In addition, the student will design and complete a major project and submit a portfolio of mounted photographs. Prerequisites: two full-credit courses in studio art and art 284. Staff. Lab fee \$10.

GRADUATE COURSES (applicable to the Master of Education degree)

ART 505 Painting (3 hours). Advanced painting in acrylic, oil watercolor or mixed media. Assigned problems in composition and color. Research problems directed to the needs and interest of the students. Staff. Lab fee \$10.

ART 510 Printmaking (3 hours). Advanced work in intaglio and relief processes. Designing for the graphic media and the technology of printmaking are emphasized. Research problems directed to the needs and interests of the student. Staff. Lab fee \$20.

ART 520 Sculpture (3 hours). Advanced work in three-dimensional media. Problems are assigned to explore new media and modes of expression as well as traditional ones. Research problems directed to the needs and interest of students. Staff. Lab fee \$20.

ART 530 Drawing (3 hours). Advanced drawing in which a variety of media are explored. Problems with figurative imagery are emphasized. Research problems directed to the needs and interests of students. Staff. \$10.

ART 540 Ceramics (3 hours). Advanced study of ceramics. Problems in clay design using varied methods of forming. The study of different clays and their properties, glaze calculations and varying firing procedures are included. Production of sculptural as well as functional works. Research problems directed to the needs and interest of students. Staff. Lab fee \$35.

ART 550 Design (3 hours). Advanced study in one or more areas of design employing media appropriate to the area of study. Problems in alternate design solutions. Research study directed to the needs and interests of students. Staff. Lab fee \$10.

ART 572 Esthetic Education for the Primary and Secondary Classroom (3 hours). The presentation of the methods for introducing the study of the fine arts into the regular curriculum of the classroom. Emphasis will be placed on planning for the integration of the visual arts, music, dance and other of the fine arts into the broader aspects of curriculum and the use of resource materials to achieve this end. The course is intended for the general classroom teacher as well as those who have previous experience in an area of the fine arts. Staff.

ART 591-2-3 Independent Study in Art (3 hours). Independent study in studio art, art history or art education. A program of study is formulated with an adviser outlining the research tools and procedures to be followed and stipulating the methods of evaluation. Presentation of the final project in terms of a research paper and/or preparation of works for exhibition. Staff.

BIOLOGY

Faculty: Delaney (chairman), Anderson, Brescia.

Requirements for the Major

The major in biology requires the completion of a minimum of nine full courses in biology and eight laboratory courses (¼ credit each). A maximum of fourteen Biology courses can be counted toward graduation. Six courses outside the Department of Biology but within the Division of Natural Sciences and Mathematics are required. These courses meet the distributional elective requirements for the Natural Sciences.

Both the B.A. and B.S. degree programs are available. It is recommended that students planning to enter graduate school enroll in the B.A. degree program and take four courses in Chemistry, including Organic Chemistry, Mathematics through Calculus and two courses in Physics.

Biology students are required to take a two-term General Biology course (advanced placement is available), one full course from each of the four main areas of biology, and at least three additional biology courses. This program is planned to afford the student a basic comprehension of the main areas of biology and to provide the opportunity to penetrate some aspects of the field of biology which are of particular interest to the student. Student research and independent study are encouraged.

Facilities and Activities

Lindenwood has exclusive access to a 1,000 acre natural preserve located about 50 miles from the Colleges in the Cuivre River area. Ecological studies of terrestrial and fresh water habitats are made possible at this extensive outdoor laboratory.

Career Opportunities

The Biology Department prepares students for graduate study; careers in teaching, hospital, industrial and governmental laboratories, and scientific sales administration. Pre-professional medical, dental and veterinary programs are offered, as well as a Bachelor of Medicine program which trains persons for primary health care of ambulatory patients. The programs are explained in detail under the Medicine and Health section.

Courses of Study (Courses letter with an 'L' are the laboratory experiences which accompany various courses. They receive ¼ credit and must be taken along with the Biology course with which they are associated unless excused by the instructor.)

BIO 101, 102 General Biology. An introduction to plants and animals with emphasis on principles to prepare students for future work in biology, the health-related sciences, or the allied sciences. Staff.

BIO 101L General Biology Laboratory. Lab fee \$15.

BIO 102L General Biology Laboratory, Lab fee \$15.

BIO 105 Human Biology. A course centering on humans, to bring out the principles of life. Material covered includes the architecture and functioning of humans, their interdependence and interrelationship, and the continuance and support of population through time. Grundhauser.

BIO 370 Seminar Topics in Biology. Special topics selected from various areas of biological investigation either of recent or historical origin. Topics differ from year to year. Staff.

BIO 380 Introduction to Medical Technology. A course designed to introduce students to the laboratory procedures and nature of the medical technology program and is taught at St. John's Mercy and Missouri Baptist Hospitals.

BIO 400 Field Study.

BIO 450 Internship.

AREA I: Molecular and Cellular Biology

BIO 313 Microbiology. A course relating the major principles of biology to the microbial world. Primary emphasis is on the bacteria, with consideration of the algae, fungi, protozoa, viruses and other microorganisms. Brescia.

BIO 313L Microbiology Laboratory. Must be taken with BIO 313. Lab fee \$15.

BIO 320* Metabolism. A study of the metabolic pathways which occur in living cells. Special emphasis will be given to the role of hormones in regulating metabolism. Delaney.

BIO 320L* Metabolism Laboratory. Lab fee \$15.

BIO 321* Advanced Physiology. A study of integrated human functions with emphasis on neural and endocrine physiological relationships and control. Prerequisite: BIO 310. Delaney.

BIO 363 Biochemistry. A study of the structure and functions of the various chemical constituents of living matter. Prerequisite: CHM 361 or consent of the instructor. Delaney.

BIO 363L Biochemistry Laboratory. Must be taken with Biology 353. Lab fee \$15.

* Offered alternative years.

BIO 382* Immunology-Parasitology. A course which introduces studies in the fields of immunology and parasitology. This course is recommended for all medical technology students. Prerequisite: BIO 313. Staff.

BIO 382L* Immunology-Parasitology Laboratory. Must be taken with BIO 382. Lab fee \$15.

AREA II: Organismic Biology

BIO 250 Marine Botany. A survey of subtropical marine algae. The class will travel to a marine biological laboratory in the subtropics. Anderson.

BIO 250L Marine Botany Laboratory. Must be taken with BIO 250. Lab fee \$15.

BIO 309, 310 Vertebrate Anatomy and Physiology. A comparative study of the structure and functions of vertebrate organisms on the organ-system level. Prerequisite: BIO 101, 102 or consent of the instructor. Staff.

BIO 309L Vertebrate Anatomy and Physiology Laboratory I. Must be taken with BIO 309. Lab fee \$15.

BIO 310L Vertebrate Anatomy and Physiology Laboratory II. Must be taken with BIO 310. Lab fee \$15.

BIO 318 Endocrinology. A study of the structure and function of the endocrine glands with special emphasis on the interrelationship between the nervous and endocrine systems. Prerequisite: consent of the instructor. Delaney.

BIO 318L Endocrinology Laboratory. Lab fee \$15.

BIO 360 Biology of Sexual Reproduction. A study of the evolution occurrence and mechanisms of sexual reproduction in plants and animals (including human sexuality). Prerequisite: BIO 101, 102 or consent of instructor. Anderson.

BIO 386 Nutrition. A study of the principles of nutrition and relationship between nutrition and health of individual families and community. Cruz.

AREA III: Developmental Biology

BIO 340 Plant Growth and Development. Studies of growth and development in lower and higher plants will be conducted with an emphasis on laboratory activities. Prerequisite: BIO 101, 102 or consent of instructor. Anderson.

BIO 340L Plant Growth and Development Laboratory. Lab fee \$15.

BIO 308 Genetics. A study of classical and modern genetics, including principles of Mendelian inheritance, mutagenesis, the genetic code, gene interactions, and population genetics. The laboratory, BIO 308L, will consist of experiments with *Drosophila*, *Neurospora*, *E. Coli*, and bacterial viruses as well as some plant material. Prerequisite: BIO 101, 102 or consent of instructor. Brescia.

BIO 308L Genetics Laboratory. Optional for non-biology majors. Lab fee \$15.

BIO 311 Developmental Biology. A study of the morphogenesis of higher living organisms from the time of fertilization to the development of organ systems. Special reference is made to the cellular and biochemical processes behind gross morphological development. Prerequisite: BIO 101, 102 Brescia.

BIO 311L Developmental Biology Laboratory, Optional for non-biology majors. Lab fee \$15.

AREA IV: Environmental Biology

BIO 110 Field Biology. A course which introduces students to local flora and fauna, emphasizing the interrelationships of organism and niche. Anderson.

BIO 120 Environmental Biology. A course designed to study current environmental problems and basic ecological principles. Anderson.

BIO 220 Aquatic Algae of the Region. A study of the collection, identification, and classification of local algae with special emphasis on field and laboratory studies. Anderson. Lab fee \$15.

BIO 280* Marine Biology in the Subtropics. A general study of marine plants and animals with emphasis on the ecology of coral reefs. Studies of both north and south shore reefs, as well as visits to lagoons and salt ponds, will be included. Some laboratory work will be required but most work will be done at the reefs. Anderson. Lab fee \$15.

BIO 265 Identification, Taxonomy and Systematics of the Local Flora. A survey of the flora of St. Charles, St. Louis and Franklin Counties with an emphasis on Angiosperm taxonomy and systematics. Course will include field trips, lecture and laboratory experiences. Anderson.

BIO 302 Ecology. A study of the interrelationships of animals, plants, and their environment. Field trips are taken to local ponds, marshes, streams, woods and reserves to observe living communities. Prerequisite: BIO 101, 102 or consent of instructor. Anderson.

BIO 302L Ecology Laboratory. Must be taken with BIO 302. Lab fee \$15.

*Offered alternative years.

BIO 325 Evolution. A course of readings and discussion of the major evolutionary theories from Lamarck to Darwin and the Modern Synthesis. Current research in evolution will also be considered. Brescia. Lab fee \$15.

BIO 360 Introduction to Forestry. An overview of the history, practice and trends in forestry in the United States. Forest ecology, silviculture methods, tree identification and forest measurements are introduced. Prerequisite: BIO 101, 102 or consent of instructor. Anderson.

BIOMEDICAL

(See Medicine and Health)

BROADCASTING

Faculty: White (Chairman)

Requirements for the Major

The B.A. and the B.S. degrees are offered in Broadcasting/Journalism. Students may elect to specialize in Journalism or Broadcasting or any combination of the two.

Eight to twelve courses in Broadcasting are required. Students must take BR/J 100, Introduction to Broadcasting, and BR/J 151, Basic Radio Production. Two seminars are also required: one in Broadcasting and one in Journalism.

Facilities and Activities

KCLC-FM, a public non-commercial radio station, is student managed and operated. Television studio facilities are available as well as internships programs with: KMOX Radio, St. Louis; KTVI Television, St. Louis; KPLR Television, St. Louis; KIRL Radio, St. Charles; Warner Bros. Records, Inc.; CBS Radio, New York.

Career Opportunities in Broadcasting:

Radio and television programming and production, news, public affairs. Within these areas are such positions as: disc jockey, staff announcer (radio and T.V.), record librarian or music manager, news announcer, reporter, writer, traffic manager, copywriter, continuity director, public relations and public affairs director. Public relations and advertising are also options when courses are taken in conjunction with the Business Department.

Courses of Study

BR/J 51 KCLC-FM Workshop (½). Staff assignments at KCLC-FM. Assigned by director of Broadcasting. May be repeated, but only one full credit applicable to degree. Not available for the distributional requirement.

BR/J 100 Introduction to Broadcasting. The historical, political and social backgrounds of radio and television. Organization of and current status of radio and television. Basic introductory course for all Broadcasting majors. White.

BR/J 201* Writing for the Media. The student will complete a series of writing exercises in radio, television and film. The course will provide experiences in visualization, sequencing, researching and editing original and adapted materials. Staff.

BR/J 241 Radio Theatre Workshop. Production of radio dramas for broadcast. Students will serve in capacities of actors, directors, writers and sound technicians. White.

BR/J 244 Broadcast Newswriting. Students will learn the broadcast style of writing, gathering and editing new stories. Rewriting of wire service copy will be done in addition to functioning as actual news reporters for assignment over KCLC-FM. White.

BR/J 253 Mass Media and Society. Radio, television, film and print media are examined as dynamic institutions in society; consideration of the historic, economic, cultural, political, technological and philosophical settings within which the media operate. White.

BR/J 259* Basic Television Production. Orientation to television production. Development of programs. Duties include both on and off camera positions. Not available as distributional elective. Staff.

BR/J 351 Radio Production Workshop (¼). Advanced projects in the production of assigned programs which must be of broadcast quality. Prerequisite: BR/J 51 or consent of instructor. Not available as distributional elective. White.

BR/J 356 Seminar in Broadcasting. Problems and topics in the broadcast media are explored. Course topic will differ with each offering. Prerequisite: 2 courses in broadcasting or permission of the instructor. May be repeated. White.

* Offered alternative years.

BUSINESS ADMINISTRATION

Faculty: Westphal (Chairman), R. King, Link, McCall.

Requirements for the Major

Either the B.S. or the B.A. degree may be earned in Business Administration. The requirements for the B.S. degree include the following:

- (1) General requirement - Day Students
Lindenwood Common LCC 102
English Composition ENG 201

OR

- (1a) General requirement - Evening Students
Colloquium LCC 301
English Composition ENG 201
- (2) Distribution Requirement
Three Humanities Division Courses
Four Natural Science and Mathematics Division Courses
Three Social Science Division Courses

In addition to general college requirements, the Business Administration requirements include:

- (3) 'Core' or basic Business Administration courses:
BA 102 Principles of Accounting I
BA 103 Principles of Accounting II
BA 200 Principles of Management
BA 204 Business Law
BA 205 Principles of Marketing
BA 220 Introduction to Data Processing
BA 303 Business Communication
BA 307 Principles of Finance
- (4) Courses not in the Business Administration Department;
ECC 101 Introduction to Economics I
SS 210 Social Science Statistics
- (5) Electives in Business Administration - 4 courses.
- (6) Completely free electives, no more than five of which may be in the Business Administration curriculum - 10 courses..
- (7) Total course requirement: 36 courses.

Students wishing to qualify for the B.A. degree in Business Administration must meet the Lindenwood requirements for that degree. These requirements would modify the above requirements for the major as follows:

- (1) In addition to the general requirement for day and evening students, students are required to develop a knowledge in depth of a foreign culture.
- (2) In place of the distribution requirement for the B.S. degree, students must take two courses in Humanities, two in Social Sciences and three in Natural Sciences and Mathematics.

In addition to the B.S. and B.A. degrees in Business Administration described above, an Associate in Science in Business Administration, consisting of 22 courses, is offered in the Evening College. Courses taken for this degree may be applied toward the bachelor's degree programs.

Career Opportunities

Within the above format, students may develop sufficient training in Business Administration to secure entry level positions in business careers. Alternatively, they may secure a background for admission to graduate study in business, law or in other professional fields. Particularly for evening students, programs of study can be implemented to enhance careers which are already begun.

The specific major outlined here is 'Business Administration.' Students may but are not required to develop areas of concentration comprised of advanced courses in Business Administration (e.g., in Marketing or in Accounting) to suit a specific career objective. If students have interests outside the scope of Business Administration, they may work out majors in other fields which may satisfy personal interests in liberal arts, or may provide an opportunity whereby basic training in Business Administration can well be supplemented with an additional major in such fields as Management of Human Resources, Mathematics, Music or Art. Such majors may be very useful to students in targeting well-thought-out career objectives. No specific Business Administration requirements for these majors are established, but careful early planning can make possible uniquely suitable vocational and/or graduate school preparation.

Courses of Study

ACCOUNTING

BA 102, 103 Principles of Accounting I, II. An introduction to 'the language of business' used in financial and managerial decision-making. Accounting principles applied to corporations, partnerships, and sole proprietorships will be studied. Topics include: the accounting cycle, working papers, financial statements, accounts, ledgers, and an introduction to the managerial uses of accounting.

BA 301 Managerial Accounting. Course is designed to provide students not concentrating in accounting with an understanding of utilization of internal accounting data for management planning and decision making. Prerequisite: BA 103.

BA 302 Federal Income Tax (Evening). Income tax regulations and laws affecting individuals, partnerships, and corporations. A beginning course designed for all persons who wish to learn about federal income taxes. Practical problems will be used extensively. Prerequisite: BA 102.

BA 305 Cost Accounting (Evening). Concepts of cost determination, reporting and control applied

to manufacturing operations. Emphasis will be placed upon job order and process cost accounting systems. Prerequisite: BA 103.

BA 310, 311 Intermediate Accounting I, II. The development, application and importance of accounting standards, principles and conventions, including current FASB opinions. Problems of balance-sheet valuations and their impact upon income statements; effects of judgment and opinion upon the 'fairness' of statement presentations. Prerequisite: BA 103.

BA 312* Advanced Cost Accounting (Evening). Emphasis is placed upon period costs in addition to product costs. Standard costing and analyses of overhead variances are investigated. Problems of joint costs, mix and yield variances, and relevant operations research methods. Prerequisite: BA 305.

BA 313* Advanced Accounting (Evening). Specialized topics in advanced financial accounting: consolidations, mergers, partnership liquidations, consignments, installment sales, estates and trusts. Prerequisite: BA 211.

BA314* Governmental Accounting (Evening). Problems, systems, methods and procedures in the specialized accounting and reporting functions of nonprofit organizations and governmental units. Prerequisite: BA 103.

BA 315* Advanced Tax Problems (Evening). A problems approach to the study of specialized tax matters: partnerships, estates and trusts, corporations, tax-exempt organizations, collections and refunds. Use of the Revenue Code will be introduced as well as research methodology. Prerequisites: BA 302, BA 311.

BA 316* Auditing. Theory and application of generally accepted auditing standards and procedures used by independent certified public accountants. Responsibilities and ethics of the CPA as well as practical problems will be examined. Prerequisite: BA 311.

Data Processing

BA 220 Introduction to Data Processing. The first course of the data processing series. Students are introduced to the types of digital computers, their use in business, and what they can and cannot do. Two common languages (COBOL and Fortran) are considered together with a survey of computer concepts and data processing systems.

BA 320 Programming Concepts—COBOL. COBOL computer programming for business applications. Topics include: features of COBOL; file processing techniques; sorting and library features; modular programming. Prerequisite: BA 220. Lab fee \$15.

BA 323 Systems Theory and Analysis (Evening). An introduction to basic systems concepts, the problematic approach to systems, the analytical

tools used in systems analysis and design, and a survey of information and control system. Prerequisite: BA 220 or consent of instructor.

BA 324* Systems Design: A Project Course (Evening). Each student will select a project and, with the approval of the instructor, develop a system to produce the desired output or results. Consultations will be held with the instructor as required, but the course will primarily consist of independent student effort, individually or in teams. BA 323 or the equivalent is required as a prerequisite; concurrent enrollment in BA 323 is permitted.

The following programming courses are available to students through the Mathematics Department:

MTH 180 Introduction to Computer Programming: Fortran. An introduction to the functions and uses of the digital computer. Fortran programming is studied and programming exercises are tested and run on the computer. Lab fee \$15.

MTH 360 Fortran Programming II. This course is the sequel to an introductory Fortran programming course. The use of arrays, subprograms and auxiliary storage techniques will be fully developed. In addition the student will write programs utilizing certain IBM 1130 subroutine packages such as the Commercial Subroutine Package, the Scientific Subroutine Package or the Statistics Package. Prerequisite: MTH 180 or the equivalent. Lab fee \$15.

MTH 370 Assembly Language Programming. The course will cover the GA/1830 Assembly Language and assembly language techniques. Among the topics covered will be input/output operations, binary and hexadecimal arithmetic, data structures, storage of data, central processor operations, direct and indirect addressing, macro coding, and internal architecture of the central processor. Prerequisite: consent of instructor. Lab fee \$15.

Finance

BA 235J Technological Forecasting. Various methods of forecasting such as trend extrapolation, envelope curves and The Delphi technique are applied to current problems for the purpose of measuring the impact of changing technology upon business, industry and government. Methods of coping with forecasted changes will be discussed.

BA 307 Principles of Finance. Sources of business funds are studied together with their application. An introduction to basic financial management for liquidity and profitability. Prerequisite: BA 103.

BA 330* Investments (Evening). Concentration upon investment principles, risk and security analysis. Types of securities are related to investment policies and goals. Prerequisite: BA 307 or consent of instructor.

BA 331* Financial Management (Evening). In-depth analysis of concepts, techniques and me-

*Offered alternative years.

thods used to guide the firm's financial program, management and use of resources, and dividend policies. Topics include: cost of capital, optimum capital base, capital budgeting, risk, and investor objectives. Prerequisite: BA 307.

BA 332* Insurance (Evening). A survey of the financial aspects of insurance. Coverage will include types of insurance, risk, loss prevention, insurance administration, and the functions performed by and assistance available from insurance carriers. Prerequisite: BA 307.

BA 333* Real Estate (Evening). Concepts of real estate practices and finance. Areas covered include markets, appraisal methods, financing, development and investment, and contemporary problems and issues. Prerequisite: BA 307.

BA 337* Analysis of Financial Statements (Evening). Statement analysis from various viewpoints (creditors, owners, investors) and for various purposes (liquidity, risk, profitability, responsibility accounting). Prerequisite: BA 307.

Management

BA 200 Principles of Management. A study of the history, principles and philosophy of effective management. The functions of planning, organizing, staffing, directing and controlling are investigated. Case studies are used to relate theories and practices.

BA 240 Management of Human Resources. A study of the manager's relationships with people. Major topics include: organization, personnel selection, motivation, morale and discipline, and problems of communication, benefits and change.

BA 245 Production Management. The concepts and skills underlying leadership in first-line production management, including the study of individual and group behavior, motivation of subordinates, communication, techniques of preventing and solving problems, handling complaints and grievances, skills in personal planning and appropriate leadership styles. Conceptual materials will be supplemented with case studies and experiential leadership styles.

BA 344 Business Management Decision Stimulation. Through the use of a sophisticated computerized business model, students are provided the experience of competing with each other by running a simulated business enterprise. Students are required to interact with their management team in making decisions regarding marketing, finance, management strategies and accounting. Prerequisites: BA 307, BA 205, BA 200.

BA 346 Problems in Management. By extensive analysis of business cases, students will be exposed to corporate situations requiring the use of knowledge and theories from a wide range of business disciplines. Prerequisites: BA 200.

BA 348 Management of Personnel Systems (Evening). The systems approach applied to personnel administration and current problems and topics relating to the management of human resources. Each student will research and report on a topic of interest. Prerequisites: BA 200, 240.

BA 349* Business Policy (Evening). Approaches from the chief executive level: basic objectives and general policies; plans, strategies, and tactics to achieve the goals; organize, staff, implement and monitor programs; assess results and initiate changes necessary in light of internal and external expectations. Prerequisites: BA 346 and senior standing.

BA 343* Quantitative Management (Evening). The techniques, research methodology and tools used in assisting quantitative decision-making. Basic concepts in management science and operations research. Optimization problems, transportation problems, inventory production problems and linear programming will be discussed. Prerequisite: BA 200.

BA 55 Salesmanship (¼). The function of the salesman. Topics include: selling abilities and requirements, human relations, product knowledge, suggestion selling, customer service and satisfaction.

BA 85 Business and the Consumer (¼). A survey of federal and state consumer protection laws. Emphasis will be to analyze the legal rights and obligations imposed upon sellers of consumer goods and services.

BA 205 Principles of Marketing. A study of the fundamental principles and the total system of activities designed to plan, price, promote and distribute goods and services to the consumer.

BA 250* Distribution and Transportation (Evening). Study of the costs of moving commodities (which may exceed those of production). Objective analyses such as the transportation method will be illustrated wherever possible.

BA 350 Principles of Advertising (Evening). Advertising as a function of marketing. For business and non-business students. Prerequisite: BA 205.

BA 352* Retail Management (Evening). Organization and management of retail stores. Decisions concerning policies, systems, personnel, inventory control, consumer and market analysis, image, promotion and expense control. Prerequisite: BA 205.

BA 353* Marketing Management. The decision areas of product policy, pricing, distribution and

* Offered alternative years.

promotion. The competitive, social and legal factors involved in these decisions. The case method approach is used in conjunction with lectures. Prerequisite: BA 205.

BA 354* Marketing Problems. A seminar approach to analysis and investigation of current marketing problems. Students will research, prepare and present oral and written reports. Prerequisite: BA 353.

BA 355 Creative Marketing Strategy. The establishment of marketing goals and the development of strategies and long-range plans for their implementation. Specific attention is given to the analysis of market opportunities, product mix strategy, market segmentation, design of distribution and procurement channels, price and promotion strategy and sales force decisions. Prerequisite: BA 205.

BA 356* Consumer Behavior (Evening). The human variables which must be considered in effective marketing management. Concepts from sociology, psychology, anthropology and other behavioral disciplines will be related to the 'marketing concept' of consumer orientation to learn more about why people buy. Prerequisite: BA 205.

BA 357 Marketing Technology. Application of techniques of marketing research and marketing information systems to problems in advertising, sales management, product strategy, and management and distribution. Survey of the problems, data and methods of marketing research. Prerequisites: BA 205, SS 210.

Special Business Courses

BA 100 Introduction to Business. A survey of business in our society and its environment, organization, function, management, control and future. May not be taken by those with junior or senior standing for departmental credit.

BA 204 Business Law I. An introduction to the sources of law and the judicial function, contracts, agency and employment, partnerships and corporations.

BA 280 Introduction to Health Care Facilities (Evening). A survey of various institutions and agencies which constitute the present health care delivery system, such as: Home Health Care, Public and Visiting Nurses, Chiropractic Services, Neighborhood Health Centers, Nursing Homes, Acute Hospitals, Paramedics, Mental Health, etc. Lectures, guest speakers and tours (at times convenient to evening students) will be used.

BA 282* Ethics in Health Care. A review of present-day moral principles and standards governing the conduct of persons in the health care field. As a foundation, broad and controversial topics such as euthanasia, artificial insemination, and the right to die will be discussed. The second part of the course will be devoted to relation-

ships of the health care team to the patient, his family and society at large.

BA 303 Business Communications. A study of the principles used in writing effective business letters and reports, and in writing simply, directly and clearly. Prerequisite: English Composition or consent of instructor.

BA 335* Business Forecasting (Evening). The essentials of projecting future business conditions using a macro to micro approach: the national economy, the industry/area/market, and the firm. The emphasis is placed upon management outlook rather than quantitative techniques. Prerequisites: BA 307 and senior standing.

BA 340 Business and Society (Evening). An in-depth study of an apparent dilemma: business and economic growth without sacrificing ecological, moral and ethical imperatives. Lectures, discussions and cases will be used to develop the background of contemporary problems and insight into both sides of the problems themselves, progress made to date, and a framework for reasonable approaches to solutions in the future. Prerequisite: BA 200. (SOC 331, Social Conflict, may be substituted if preceded by BA 200.)

BA 341 Business Law II. Federal regulation of business, insurance, sales, commercial papers, real and personal property, secured transactions, debtors' and creditors' rights. Prerequisite: BA 204.

BA 345 Budgeting (Evening). Objectives and methods of preparing coordinated and flexible budgets for business planning and control purposes. Prerequisites: BA 103 or consent of instructor.

BA 347 International Business (Evening). Students will examine the different management concepts existing in selected areas of America, Asia and Europe. Cultures and social structures of the countries will be used as backgrounds. Each student will be responsible for presentation of a specific country or area. Prerequisites: BA 300 and consent of instructor.

BA 381* Hospital and Health Care Administration. This course focuses on the managerial processes in the health care setting as seen from the administrative, financial, medical and legal viewpoints. Assigned readings, discussions and case studies will be utilized to give a basic understanding of health care administration. Guest lecturers will highlight specific areas of study. Prerequisites: BA 200, 204, 280, 307.

BA 383 Small Business Management. An examination of principles and methods in the operation of a small business. Emphasis is placed on planning, control, financing and management. Prerequisite: BA 103.

BA 389* Public Relations (Evening). A study of the theoretical and practical concepts of the

*Offered alternative years.

purposes and functions of public relations. Primary emphasis will be placed on evaluation of public opinion, selection of media and message and the organizational and environmental aspects of public relations. Prerequisites: BA 100 or consent of instructor.

Business Education

BA 60 Beginning Typewriting (¼). Emphasis is placed upon correct typing techniques, appropriate speed and accuracy. Open to beginners and those in need of a review of fundamentals. Not available for audit.

BA 61 Intermediate Typewriting (¼). Course stresses improvement of basic techniques, further skill in personal and business material, and organization of work. Prerequisite: BA 60 or proficiency test. Not available for audit.

BA 62 Production Typewriting (¼). Emphases are: special communication forms, statistical reports, minutes of meetings, legal reports, employment tests, and concentrated speed work. Prerequisite: BA 61 or proficiency test. Not available for audit.

BA 261 Elementary Shorthand. An introduction to shorthand with emphasis on rapid reading, fluent writing and accurate transcribing. Open to beginners and those in need of a review of fundamentals. Typewriting must be taken concurrently unless the student has the equivalent of BA 60. Not available for audit.

BA 362 Intermediate Shorthand. Continued emphasis on building speed and accuracy in shorthand and transcription. Typewriting must be taken concurrently unless the student has the equivalent of BA 61. Prerequisite: BA 261 or proficiency test. Not available for audit.

BA 363 Advanced Shorthand. An intensive study of shorthand principles with vocabulary enlargement and greater speed and accuracy in taking and transcribing dictation. Prerequisites: BA 61 and BA 361 or proficiency tests. Not available for audit.

BA 377* Secretarial Procedures. A capstone study for professional secretaries. Four purposes are: unification of theory and practice; exploration of areas of special interest; preparation for supervision of creative programs at the executive level; exposure to real situations by case study. Prerequisite: BA 362 and consent of instructor.

Office Management/Professional Secretarial

BA 72* Records Management (¼) (Evening). Study and practice of the various types of records control. Time will also be spent on requisition and charge procedures and an introduction to various automated information retrieval systems. Not available for audit.

BA 78, 79 Certified Professional Secretarial Review (¼ course each) (Evening). Designed for secretaries or senior professional secretarial students interested in qualifying as a Certified Professional Secretary (CPS). The content will cover the six parts of the CPS examination: Environmental Relationships in Business, Business and Public Policy, Financial Analysis and the Mathematics of Business, Economics and Management, Communications and Decision Making, and Office Procedures. Prerequisites: BA 61 and BA 362.

BA 370* Office Management I. Application of management concepts to the roles and services of the business office. The role of the administrative office will be studied together with efficiency, relating physical layout and facility, administrative services, standards, controls, and procedures. Prerequisite: BA 362 or consent of instructor. Not available for audit.

BA 377* Secretarial Procedures. A capstone study for professional secretaries. Four purposes are: unification of theory and practice; exploration of areas of special interest; preparation for supervision of creative programs at the executive level; exposure to real situations by case study. Prerequisite: BA 362 and consent of instructor.

MASTER OF BUSINESS ADMINISTRATION

Requirements for the M.B.A. Degree

Twenty-five courses are offered in five subject areas and one elective area: Information Systems and Control; Distribution Processes and Strategies; Administrative Behavior and Policies; Financial Institutions and Practices; Business Environment and Responsibilities; Electives.

Sixteen courses are required for the M.B.A. degree; however-

- (1) up to six courses may be waived for applied undergraduate credit, and
- (2) at least eight courses must be taken at Lindenwood.

Any two of the five courses in each area are required. If courses are waived for undergraduate credit, however, then at least one course per area is required and must be taken at Lindenwood.

A major consists of all four courses offered in any area. A thesis may be counted for up to two Lindenwood courses with the approval of the Department of Business Administration.

General Provisions

Courses in the M.B.A. program meet once a week during the fall and spring terms from 7 to 10 p.m. During the eight-week summer session each course meets for two sessions per week.

Most students may take one or two courses

*Offered alternative years.

in each fall or spring term. Thus, a 10-course program could be completed in two calendar years. The faculty views two years as a minimum time for the effective integration of the academic resources with the professional responsibilities of the students.

To remain in good standing an average grade of B is required. Students who fall below the B average are on probation and need to consult with their adviser and the director. Failure to remove probation is cause for suspension and dismissal from the program.

The M.B.A. program is accredited on the basis of review and evaluation by the North Central Association of Colleges and Secondary Schools.

Courses of Study

Information Systems and Control

MBA 510 Financial Accounting Concepts. Generally accepted accounting concepts and their influence upon the preparation, analysis, and use of financial statements and reports.

MBA 511 Managerial Accounting. (Admission requires a basic understanding of general accounting concepts.) The internal use of accounting data by managers for planning and control purposes.

MBA 512 Management Information Systems. Examination of the approaches governing the analysis, design, and implementation of accounting systems for management information, planning, and control.

MBA 513 Quantitative Methods. Managerial application of such topics as probability theory, statistical inference, decision theory, inventory models, linear programming, time series analysis, regression and correlation, and variance analysis.

Marketing Processes and Strategies

MBA 550 Marketing Concepts. A study of the system of activities designed to plan, price, promote, and distribute goods and services to the consumer and the industrial market.

MBA 551 Marketing Policies. Major decision areas in marketing. Selection of channels of distribution and promotional programs, evaluation of marketing research information, and determination of pricing and product policy.

MBA 552 Consumer Behavior. Psychological, sociological and economic variables, including motivation, learning, attitude, personality, small groups, social class, demographic factors, and culture; and their effects on purchasing behavior.

MBA 553 Marketing Management. The use of advertising and marketing research as tools toward building a profitable or goal-oriented 'marketing mix.' Advertising and sales promotion viewed as fundamental elements of marketing.

Administrative Behavior and Policies

MBA 540 Organization Concepts. The theory, research, and applications that provide the cornerstones for the study of managing within organizations. The functions of management, human behavioral studies, leadership styles.

MBA 541 Organization Behavior. An analysis of the primary factors affecting behavior and relationships in organizations. Particular emphasis is directed at examining the structure, processes and behavior within organizations in order to better understand the management process.

MBA 543 Personnel Management and Labor Relations. The scope of business and industrial personnel services. Analytical appraisal of policies in labor relations and personnel administration.

MBA 545 Business Policies and Strategies. Utilizing top management perspective, this course analyzes the practices and problems confronting the modern business organization. Through an analysis of cases, students are required to integrate a knowledge of the functional areas of business in forming solutions to complex business problems.

Financial Institutions and Practices

MBA 530 Financial Concepts. (Admission requires some accounting.) Managerial functions of finance with emphasis on financial analysis, working capital management, capital budgeting, long-term financing, and dividend policy.

MBA 531 Financial Policy. The evaluation and selection of major financial decisions. The traditional financial problems normally reserved for executive decision making.

MBA 532 Managerial Finance. Long-term financing, capital market institutions, and financial strategies for growth. Comparative financial costs, mergers, acquisitions, and management/shareholder relations.

MBA 533 Investment Management. An analysis of leading technical market indicators. Principles of portfolio management, including the use of options and formula plans.

Business Environment and Responsibilities

MBA 580 Legal Environment of Business. Law, legal processes, and legal institutions. The derivation of business laws, present attitudes toward those laws, and future trends in business law. Taxation, commerce regulation, contract law, anti-trust legislation, and labor-related legislation.

MBA 581 Managerial Economics. Analysis of economic problems both macro and micro, as they impact upon managerial decisions and policies. Local, regional, national, and international economic problems.

* Offered alternative years.

MBA 582 International Trade and Investment. Trade between and among nations: balance of payments, exchange rates, tariffs, quotas, and their interrelationships.

MBA 586 Analysis of Business Conditions. The course is designed to develop the ability to interpret economic trends and analyze forecasts of business conditions. The course will emphasize macro-economic and monetary theory, and the institutional environment of the U. S. economy.

Electives

MBA 584 Women's Roles in the Management Environment. The examination of socialization processes, stereotypes, and sex-related role conflicts. The uses of assertiveness training and verbal expressive skills to facilitate adaptation and mobility of women in a variety of work situations. Role playing and case-studies will be included among class methods. This course will involve extensive shared leadership within the class.

MBA 585 The American Woman at Work (Dynamics of Today's Labor Force). Social and economic aspects of women's changing role in the labor forces. Causes and consequences of sex-related inequality in employment. Possibilities for its reduction. Productivity, turnover and absenteeism. Problems of prejudice and discrimination. Management to reduce discrimination. Legal requirements of equal opportunity. Changing employer expectations/employee obligations in positions of managerial responsibility. The course will be team taught to explore the range of perspectives.

MBA 514 Contemporary Accounting Theory. A study of contemporary issues in Financial Accounting with an emphasis placed upon current developments within the profession.

MBA 590 Independent Study.

MBA 600 Thesis.

CHEMISTRY

Faculty: Bornmann (Chairman), Welch.

Requirements for the Major

A major in chemistry requires the completion of at least eight full courses in chemistry, at least four chemistry laboratory courses and two courses in mathematics. The student considering the possibility of graduate school should include Chemistry 372. It is recommended that the student satisfy the language requirement with German or French, in that order of preference.

Qualified students are urged to compete for Honors Research Participation Programs at Argonne, Brookhaven, and Oak Ridge National Labo-

ratories and at Barnes Hospital during the January and Summer Terms.

Courses of Study

CHM 102 'What in the World Isn't Chemical?' This course studies many of the changes and things with which we are familiar in our physical world and shows how the theories of modern chemistry which deal with the microscopic, invisible world can explain and, in many cases, predict the properties of our macroscopic, visible world. This is an introductory, non-mathematical course intended for those students who have not had high school chemistry. Welch. (No lab.)

CHM 140 Introductory Chemistry. An introductory course which surveys in one term the basic concepts of chemistry. Topics covered include atomic structure, bonding, reactions, solution chemistry, equilibria, and organic compounds. Welch.

CHM 140L Introductory Chemistry Laboratory (¼). Laboratory experiences which illustrate the topics covered in CHM 140. Co- or prerequisite: CHM 140. Welch. Lab fee \$15.

CHM 151 General Chemistry I. A systematic treatment of the principles of science which are applied to chemistry. The topics include atomic structure, chemical bonding, classification of the elements, and solutions. Prerequisite: high school chemistry or CHM 102 or permission of instructor. Welch.

CHM 151L General Chemistry Laboratory I (¼). Laboratory experiences which illustrate the topics covered in CHM 151. Co- or prerequisite: CHM 151. Welch. Lab fee \$15.

CHM 152 General Chemistry II. A continuation of CHM 151. The topics include energy, kinetics, equilibria, and basic organic chemistry. Prerequisite: CHM 151. Welch and Bornmann.

CHM 152L General Chemistry Laboratory II (¼). Laboratory experiences which illustrate the topics covered in CHM 152. Co- or Prerequisite: CHM 152. Welch. Lab fee \$15.

CHM 341 Inorganic Chemistry. The chemistry of non-transitional elements including nonmetals and noble gases, emphasizing the periodic character of properties of these elements and the relationship between various physical and structural properties with the type of chemical bonding employed by the various elemental groups. Prerequisite: CHM 152. Welch. (No lab.)

CHM 342 Inorganic Chemistry of Transition Elements. The chemistry of transition metals, emphasizing the unusual bonding properties, stereochemistry, and isomerization and their relationship to reactivity, and including compounds which are biologically important. Prerequisite: CHM 152. Welch. Lab fee \$15.

CHM 351* Analytical Chemistry. A laboratory course designed to teach experimental and research techniques. Procedures will include gravimetric, volumetric and chromatographic methods of analysis. Prerequisite: CHM 152. Welch. Lab fee \$15.

CHM 352* Instrumental Analysis. A laboratory course covering instrumental methods of chemical analysis including gas chromatographic, spectrophotometric, radiochemical, potentiometric and thermal analysis. Emphasis is upon principles of the techniques rather than black box approaches. Prerequisite: CHM 152. Welch. Lab fee \$15.

CHM 361 Organic Chemistry I. A systematic study of the nomenclature, structures, properties, and reactions of organic compounds, with an emphasis upon the principles by which chemists predict the properties and reactions of organic compounds. Prerequisite: CHM 152 and 152L. Bornmann. CHM

CHM 361 Organic Chemistry I. A systematic study of the nomenclature, structures, properties, and reactions of organic compounds, with an emphasis upon the principles by which chemists predict the properties and reactions of organic compounds. Prerequisite: CHM 152 and 152L. Bornmann.

CHM 361L Organic Chemistry Laboratory I (¼). An introduction to the laboratory methods in organic chemistry and their applications to the determination of the identity and properties of aliphatic and aromatic compounds. Co- or prerequisite: CHM 361. Bornmann. Lab fee \$15.

CHM Organic Chemistry II. A continuation of Chemistry 361. The principles of chemical behavior are applied to many types of organic compounds, including those of biological significance.

CHM 362 Organic Chemistry II. A continuation of Chemistry 361. The principles of chemical behavior are applied to many types of organic compounds, including those of biological significance. Prerequisite: CHM 361. Bornmann.

CHM 362L Organic Chemistry Laboratory II (¼). A continuation of CHM 361L with emphasis upon reaction kinetics and mechanism of organic and biochemical compounds. Co- or Prerequisite: CHM 362 and CHM 361L. Bornmann. Lab fee \$15.

CHM 363 Biochemistry. A study of the structure and function of the various chemical constituents of living matter. Prerequisite: CHM 361. Delaney.

CHM 363L Biochemistry Laboratory. Lab fee \$15.

CHM 371* Physical Chemistry I. A theoretical and mathematical study of chemical properties and the methods of predicting physical and chemical changes. The principles of thermodynamics are

emphasized. Prerequisites: CHM 152L and PHY 304 (or PHY 152 plus MTH 172). Bornmann.

CHM 371L Physical Chemistry Laboratory I (¼). An introduction to the laboratory methods of determining the physical and thermodynamic properties of chemical substances. Co- or prerequisite: CHM 371. Bornmann. Lab fee \$15.

CHM 372* Physical Chemistry II. A continuation of CHM 371 with emphasis upon chemical kinetics and quantum chemistry as means of explaining and predicting chemical behavior. Prerequisite: CHM 371. Bornmann.

CHM 372L Physical Chemistry Laboratory II (¼). A continuation of CHM 371L with emphasis upon the topics covered in CHM 372. Co- or prerequisite: CHM 372 and CHM 372L. Bornmann. Lab fee \$15.

CHM 381T Thermodynamics. A study of thermodynamics which emphasizes the concept of equilibrium, energy, and entropy and includes the first, second and third laws with an introduction to the statistical approach to chemical energetics. Prerequisites: CHM 152, MTH 172. Welch and Bornmann. (No lab).

CHM 382T Chemical Equilibria. A study of chemical systems in equilibrium and the use of equilibrium constants of several types in calculating the extent to which reactions occur. Prerequisite: CHM 152 and consent of instructor. Bornmann. (No lab).

CHM 383T Spectroscopy and Molecular Structure. An examination of physical and chemical principles involved in the various types of spectroscopy and the use of spectroscopy to determine the structure of molecules. Emphasis will be placed on nuclear magnetic resonance and infrared absorption spectroscopy but ultraviolet absorption and fluorescence will also be considered. Prerequisite: CHM 362. Bornmann. (No lab).

CHM 384T Radiochemistry. A study of the principles and uses, present and potential, of radioactive materials which will include detection methods, tracer methods, and analytical methods. Prerequisite: CHM 152. Welch. (Option: with or without lab).

CHM 385T Chemical Dynamics. A study of both the empirical and the theoretical treatments of chemical reaction rates and the mechanisms that can be devised from them, plus specific treatment of gaseous and atomic reactions, reactions in solution, and very rapid reactions. Prerequisites: CHM 152, MTH 172. Welch. (No lab).

Note: The letter T following the course number indicates a tutorial course.

*Offered alternative years.

Graduate Courses

CHM 520T Laboratory Safety. An examination of the dangers which exist in chemistry laboratories, the precautions which should be taken to avoid accidents, and the procedures to follow when accidents do occur. Emphasis will be given to safety consciousness, dangerous chemicals, chemical disposal procedures, and clean-up procedures. A proficiency in first-aid and cardio-pulmonary resuscitation is strongly recommended. Prerequisite: permission of instructor. **Bormmann.**

CHM 530T Industrial Chemistry. An examination of the major raw materials and products of the chemical industry. Major emphasis will be placed upon organic chemicals, but inorganic substances will also be considered. Prerequisite: one year of undergraduate organic chemistry. **Bormmann.**

NOTE: The letter T following the course number indicates a tutorial course.

CLASSICS

Faculty: Biggs.

There is no major in Classics but the courses in Classics may be counted toward fulfillment of the Foreign Culture Requirement for the Bachelor of Arts degree, except for FLC 20-21. ART 257 and ENG 229J may also be counted toward the classics portion of this requirement.

Courses of Study

FLC 20-21 Scientific Terminology from Greek and Latin. A course designed for students of biology, nursing and medicine to give a command of the scientific vocabulary through a study of prefixes, suffixes and root words derived from Greek and Latin. **Staff.**

FLC 250* Classical Mythology (also listed as English). A course designed to provide general mythological background for the interested student, and to acquaint him or her with various possibilities of approaching myth, from the allegorical to some of the current methods (psychological, structural, etc.). **Biggs.**

FLC 256* Greek Drama (also listed as English). Reading of representative works by Aeschylus, Sophocles and Euripides, with attention to the cultural background. Through discussions and additional readings, students will attempt to develop a concept of tragedy, using Aristotle's Poetics as a starting point. Selected plays of Aristophanes will round out the picture of classical Greek drama, and provide further insight into the times. **Biggs.**

FLC 266* Graeco-Roman Civilization. A study of the political and cultural attainments of Greece

and Rome. The history, literature, philosophy, and art of both nations are examined and emphasis is placed upon the classical contributions to western civilization. **Biggs.**

Graduate study

FLC 556* Seminar in Greek Drama (also listed as English). Students will read all of extant Greek tragedy and Aristophanic comedy, and will go into ancient and modern theories of tragedy and comedy. A research paper of some depth will be required. **Biggs.**

COLLOQUIUM

Students in a degree program in the Evening College have as a requirement the completion of the Lindenwood Colloquium. The Colloquium seeks to establish an understanding of the liberal arts to undergird the academic fields offered in evening programs.

LCC 301 Colloquium. Each year a different theme is selected which provides a focus for study and discussion. Drawing on interpretations of this theme in art and literature, its interrelations with science and technology, its historical expression and the interpretations of the social sciences, the course will encourage students to relate their individual studies to a major element in our culture. **Prerequisites:** ENG 201 and sophomore standing as a degree candidate in the Evening College.

COMMON

The Lindenwood Common is required of all freshmen students of Lindenwood I and II. In the scope of its program, the Common encompasses several connotations of the word 'common.' It is common in a community sense in that it is the one course which is required of all freshmen students. It is common also because it is the foundation course where the student becomes acquainted with the different methods of inquiry and discourse which will be used in exploring a wide variety of disciplines during a four-year program of college studies. Most importantly, the course is common in that the broad approach of interdisciplinary study is followed. The themes of the Common are investigated from a wide perspective which gives consideration to multiple points of view. The interdisciplinary nature of the course is reinforced by the selection of the Common instructors from several of the academic disciplines represented on campus.

LCC 102 The Lindenwood Common. The course deals with topics relevant to the 20th century and pursues those topics from the viewpoints of the humanities, the natural sciences and the social sciences. The student will be asked to make a personal synthesis which encompasses a many-sided view of the topics.

*Offered alternative years.

COMMUNICATION ARTS

Faculty: White (Chairman), Fields, Wilke.

Requirements for the Major

Ten to twelve courses, of which a minimum of six will determine the area of concentration, are to be chosen from the curriculum in broadcasting, film, journalism, and speech. Of the rest, two will be chosen from the Communication Arts seminars in broadcasting, film and journalism (BR/J 356, CA 370, BR/J 340), outside the area of concentration; while two more will be the courses required for the major, BR/J 253 Mass Media and Society, and ENG 311 Writer's Workshop. Other courses may be taken in photography and popular culture as well as in selected business courses.

Career Opportunities

A major in Communication Arts is intended to provide a solid background in the communications field, so that students may enter any of the fields covered by the major or may concentrate at the graduate level in a specific area. Students majoring in Communication Arts are encouraged to enter an internship program during their final two years in order to acquire on-the-job experience in their area of concentration.

Courses of Study

CA 031 Human Relations (½) (Evening). An introduction to the principles of human relations with an emphasis on verbal communication and basic general semantics. Fleishman.

CA 265* Popular Culture in America. (Also listed as Humanities.) This course will examine American popular culture from 1800 to the present and will consider the impact of mass media and consumerism in the fine arts (visual arts, literature, and drama). Emphasis will be placed on the effect of magazines, advertising, radio and television on the public taste. Fields.

The following courses are also part of the Communication Arts major. The full descriptions are given in the appropriate alphabetical sequence of the catalog:

Broadcasting

- BRJ 051 KCLC-FM Workshop (½).
- BRJ 080 Radio Production Workshop (½).
- BRJ 100 Introduction to Broadcasting.
- BRJ 151 Basic Radio Production.
- BRJ 241 Radio Theater Workshop.
- BRJ 244 Broadcast Newswriting.
- BRJ 253 Mass Media and Society (required).
- BRJ 259 Basic TV Production.
- BRJ 356 Seminar in Broadcasting.

Business

- BA 205 Principles of Marketing.
- BA 350 Principles of Advertising.
- BA 389 Public Relations.

English

- ENG 311 Writer's Workshop (required).

Film

- CA 173* History of Film I 1894-1928.
- CA 273* History of Film II 1928-1975.
- CA 275* Motion Picture Workshop I.
- CA 279* Film and Broadcast Documentary.
- CA 379* Seminar in Film I (a-h).

Journalism

- BRJ 044 Ibis Workshop (½).
- BRJ 085 Freelance Workshop (½).
- BRJ 102 Introduction to Journalism.
- BRJ 144 Newsgathering, Writing and Editing.
- BRJ 246 Newspaper Design and Layout.
- BRJ 247 Feature Writing.
- BRJ 248 Writer's Journal.
- BRJ 340 Seminar in Journalism.
- BRJ 343 Advanced Newsgathering and Reporting.

Photography

- ART 184 Beginning Still Photography.
- ART 225 History of Photography.
- ART 284 Intermediate Still Photography.
- ART 302 Selected Design Problems (Photography).
- ART 384 Problems in Photography.

Speech

- SPH 110 Public Speaking.
- SPH 125, 126 Voice and Diction I and II.
- SPH 210 Business and Professional Speaking.
- SPH 211 Storytelling and Creative Dramatics.
- SPH 230 Argumentation and Debate.

Offered alternative years.

DANCE

Faculty: Amonas.

Requirements for the Major

A student may elect a major in Modern Dance for either the B.A. or the B.S. degree. Either degree is earned by completing 36 courses, 8-12 of which are in Studio Dance. In addition, two courses in Theatre Arts, two courses in Art and two full courses in Dance History are required.

Specific requirements include: Dance 25 or 26, 27 plus three full courses in Modern Dance 281, 285, 302, 387. Dance History 286, 287. Theatre Arts 130, 285. Art 106, 261 or 262.

An emphasis in modern dance is also offered in the B.S. degree in Physical Education.

Facilities and Activities

A large air-conditioned dance studio is located in the Fine Arts Building where the classes are held. The recently renovated 400 seat theatre in Roemer Hall, The Jelkyl Center for the Performing Arts, and a smaller stage in the Fine Arts Building auditorium provide space for dance performances and theatre.

With the assistance of the National Endowment and the Missouri State Arts Council, the colleges bring nationally recognized dance companies to the Lindenwood campus for workshops, lecture-demonstrations and performances. In recent years Charles Weldman, Alwin Nikolais, Erick Hawkins, Anna Halprin, Meredith Monk, Eleanor King, Daniel Nagrin, Pilobulus, Ririe-Woodbury have appeared at Lindenwood. The close proximity to St. Louis provides the student ample opportunity to attend performances in music, dance and drama.

Graduating seniors present a Dance Recital or Lecture/Demonstration as a culminating project in dance study.

The student may also include independent study, field study, and an internship as a part of the major. The January term provides opportunities for travel abroad and for off-campus study.

Career Opportunities

The student with a major in modern dance may follow a career in teaching, various opportunities for a professional career, or may enter a graduate school for advanced study.

Courses of Study

DAN 25* International Folk Dance I. A study of basic folk dance steps and dances of various countries of Europe, and Central America. Amonas.

DAN 26* International Folk Dance II. Intermediate level dance steps and dances of Europe, South America and the Orient. Staff.

DAN 27* Analysis of Rhythm and Movement (1/2). A study of space, time and force elements and their influence on body dynamics. Rhythm and form relationship in everyday movement, sports and dance will be stressed in lecture and laboratory. Amonas.

DAN 28 Ballroom Dance (1/2). Study of traditional dance steps, positions and figures for the fox trot, waltz, rumba, tango and swing. Amonas.

DAN 104 Dance Workshop. Dance workshop is offered in one particular dance form (ethnic, ballet, jazz, tap) or in a combination of two or three. The student will study different techniques and movement styles. Staff.

DAN 121 Introduction to Dance. An introductory course for non-majors in theory and practice of modern dance. Practice: Dance exercises for development of dance skills, movement awareness, and control. Theory: Introduction to contemporary dance forms - lectures, films, and attendance at dance performances. Staff.

DAN 170 Beginning Modern Dance Technique. Dance exercises and materials aimed to develop personal dance skills of beginning level in dance, including an understanding of the elements of space, time and force. The development of creativity and movement awareness are emphasized in the course. May be repeated. Amonas.

DAN 280 Intermediate Modern Dance Technique. Intermediate level dance exercises, improvised and structured problems in space, time and force elements. An understanding of dance materials in relation to structured movement studies are stressed in this course. Continuation of DAN 170. May be repeated. Amonas.

DAN 281* Dance Composition I. A study of basic elements of form and their application to dance compositions. Projects in formal and free style composition. Amonas.

DAN 285 Historical Theatre Dance. A study of the 16th and 17th century dance forms and the basic steps of national dances. The course includes fundamentals of classical ballet technique, pre-classic dances such as the pavane, galliard, courante, gigue and minuet, and national dances such as the polonaise, mazurka and czardas. Amonas.

DAN 286* Dance History. (available as a distributional elective). A historical survey of dance from ancient times to the 20th century. Amonas.

DAN 287* Dance in the 20th Century (available as a distributional elective). Dance as a performing art in Europe and America; survey of major styles and trends, principal artists and their works. Amonas.

* Offered alternative years.

DAN 302 Selected Design Problems: Dance. Problems in movement, composition, choreography and production for the dance student as an extension of study beyond the normal course limitations. Work done in fulfillment of this course can be done within existing class structures combined with individual study. Prerequisite: appropriate course preparation in the area of study. May be repeated. Staff.

DAN 309 Dance Choreography. Application of formal and free compositional principles in choreography. The student is expected to complete one solo and one group dance. Prerequisites: two courses in composition or consent of the instructor. Staff.

DAN/EDU 317* Materials and Methods of Teaching Dance. A creative approach to the teaching of dance is offered for the student preparing to teach creative, modern, folk and square dance in elementary and secondary schools. Emphasis is on dance as a creative art activity and its relationship to other art forms. Activity and lectures. Prerequisite: ART 100 or 380, or consent of instructor. Amonas.

DAN 387* Dance Composition II. Composition and performance of dances based on pre-classic and modern dance forms, including costuming, and stage design. Prerequisite: DAN 280 and DAN 281 or consent of instructor. Amonas.

DAN 390 Advanced Modern Dance Technique. The development of sufficient skills to carry out ideas and concepts (space, shape, motion, time) in the fulfillment of movement expression. Problems dealing with the principles of composition are emphasized in this course. Prerequisite: DAN 280 or consent of instructor. May be repeated. Amonas.

DAN 400J Field Studies. The study of dance in New York, London or other world centers. Appropriate readings and writing projects will be assigned. May be repeated.

ECONOMICS

The courses in economics offer a balanced program in economic theory and the specialized areas of applied economics. The program provides support for students majoring in business, history, political science, and sociology.

Courses of Study

ECC 101 Introduction to Economics I. Macroeconomics. Topics studied include business organization, national income, business fluctuations, monetary policy and fiscal policy. Staff.

ECC 102 Introduction to Economics II. Microeconomics. The determination of price under conditions of pure and imperfect competition, and its functional distribution of income in the form of

wages, interest, rent, and profits. Staff.

ECC 206* American Economic History. Economic life and institutions in the United States from the colonial days. Economic growth, state and private authority in relation to economic activity, monetary and banking history, trade and commerce, industrial development, labor problems, transportation, land and agriculture policy. Staff.

ECC 301* Labor Problems and Industrial Relations. A study of the labor force, employment, wages, hours, and industrial conflict. Unions, collective bargaining, and the labor laws are given important consideration. Staff.

ECC 302* Money and Banking. The nature and functions of money and banks. The development of the American banking system, the organization and functions of the Federal Reserve system, and monetary theory and policy. Staff.

ECC 305* Comparative Economic Systems. An analysis and evaluation of capitalism, socialism, and communism, both historically and functionally. The economics of the United States, England, Russia, China, Sweden, and others are examined. Prerequisite: ECC 101 and 102. Staff.

ECC 306* Public Finance. Principles of public expenditures, financial administration, taxation, and public debt as applied to federal, state and local governments. Prerequisite: ECC 101 and 102. Staff.



*Offered alternative years.

EDUCATION

Faculty: Burd (Chairman), Donovan, Rocchio, Soda, Vandagriff.

The Undergraduate Program

The Lindenwood Colleges is accredited by the National Council for Accreditation of Teacher Education. Successful completion of The Lindenwood Colleges approved teacher education program qualifies the student for the recommendation that a Life Certificate be issued by the Missouri State Department of Education.

A student planning to teach elementary and/or Special Education is encouraged to signify his or her intention with an adviser and to begin work in the teacher education curriculum during the first term of the freshman year. The student planning to teach at the secondary level is encouraged to show interest in teaching in the freshman year and to signify intention to enter the teacher education curriculum by at least the sophomore year.

The student is expected to demonstrate a professional attitude and competency in education and subject matter field courses and requirements. Information concerning specific course work requirements for an area of certification may be obtained from the Certification Specialist in the Education Department or by consulting the Guide to Undergraduate Teacher Education. Each student is responsible for following the general procedures concerning application and admission to the Teacher Education Program as outlined in the Guide.

The Council on Teacher Education consists of one faculty representative elected from each of the following areas of concentration in teacher certification: Art, Biology, Business Education, English, Library Science, Mathematics, Modern Languages, Music, Physical Education, Social Studies, Theatre Arts, the staff of the Department of Education, the deans of The Colleges, the Registrar and two students, each elected from and by those students who have been admitted to the Teacher Certification Program

The college degree or diploma will not serve as a license to teach. Each state issues its own teaching certificates, based on its own requirements. Upon successful completion of a planned degree program, each student fills out an application form to obtain certification to teach in Missouri. The student who wishes certification in other states (especially non-NCATE states) should, as early as possible, seek advice from the Certification Specialist in the Education Department concerning requirements in respective states in order that proper guidance may be given.

Elementary and Secondary Offerings

Students may prepare themselves for either elementary, special education, secondary or K-12 teacher certification in programs supervised by the Education Department. The student interested in elementary education may pursue the Bachelor of Arts degree with a major in a specific department, or elect a composite major in the humanities, sciences, or social sciences. The special education student will complete work to enable him/her to be certified in special education, K-12 and elementary education K-8. Students interested in teaching their major subject at the secondary level or under the K-12 program (Art, Music, Health and Physical Education, Modern Languages) should plan a major in their subject field, completing the requirements for the Bachelor of Arts, the Bachelor of Science, the Bachelor of Music Education, or the Bachelor of Fine Arts degree, including the specific course requirements for secondary teacher certification.

Students interested in special education will note that the program leads to certification in elementary education K-6 and an area of special education K-12. The areas of specialization in special education are: (1) Learning Disabilities, and (2) Educable Mentally Retarded. Because the program is demanding, one must carefully plan and sequence the courses in order to graduate in four years. This means working with an adviser in the Education Department as soon as the decision to teach special learners is made.

The Lindenwood Colleges are accredited by the National Council for Accreditation of Teacher Education. Successful completion of The Lindenwood Colleges approved teacher education program qualifies the student for the recommendation that a Life Certificate be issued by the Missouri State Department of Education.

Special Certification Programs in Library Supervision, K-12. Supplementary to the Standard Life Certification Areas

Sufficient course work, usually on a rotating basis is available to permit students to obtain credit in required areas (cataloging, selection and acquisition, reference, administration, and children's or adolescent literature) and some optional areas (non-print materials) to earn K-12 certification in Library Supervision. A minimum of 5½ to 6 courses are needed though more are recommended. Missouri Life Certification in elementary or secondary standard area of certification is required.

Transfer Education Students

All transfer students who intend to be candidates for certification must contact the Education Department for appropriate counseling no later than the first week of the term in which they enroll. An education faculty member will be assigned to help them register for the appropriate education courses.

Teacher Education Services and Materials Fee

During the senior year there is a student teaching fee of \$100.

Courses of Study

(All courses are available as distributional electives in the Social Sciences Division except those marked †.)

EDU 010*† Orientation to Educational Experiences (¼). A general introduction to the area of education and schooling. All students planning to teach are required to take this course before or in conjunction with their first education course(s). Classroom observation required. Burd/Vandagriff.

EDU 012† Music in Elementary Schools (¼). A general preparation for the teacher in elementary classroom. A study of the principles, procedures and objectives of school music. Music Education majors take EDU 323 instead. Johnson.

EDU 014† Art in Elementary Schools (¼). Designed for either the classroom teacher who may be responsible for her own art program or for the art teacher in the elementary school. Studio work and lecture on creative expression and techniques. Quarterman.

EDU 016† Teaching Mathematics in Elementary Schools (¼). A modern approach to the teaching of mathematics is offered for the student preparing to teach in elementary schools. Prerequisite: MTH 101-102 or equivalent. Huesemann.

EDU 018* Social Studies Methods. A course designed to explore both the theoretical and practical aspects of the elementary social studies curriculum. Methodology, techniques, strategies and materials appropriate to the area will be investigated. Classroom observation and participation will be expected. (Alternative years beginning 1980/1981, 1982/1983, etc.) Vandagriff.

EDU 019* Elementary Science Methods. A course designed to explore various methods, materials, strategies and processes used in elementary science programs. Students will be expected to develop and teach several science lessons in school settings. Vandagriff.

EDU 047*† Adolescent Literature (¼). History and development of literature suitable for the secondary school: junior and senior high. Evaluation of current material. Polette.

EDU 073† Personal Health (¼). Foundation course for teaching health education in both the elementary and secondary levels. Ebest.

EDU 074† Physical Education in Elementary Schools (¼). Study of the characteristics of the various age groups and the developmental processes as related to physical education in elementary schools. Ebest.

EDU 096 Metric Measurement for Teachers (¼). A course designed to involve the participants in activities related to the concept of measurement, particularly metric measurement. The emphasis will be on using and developing suitable activities for elementary classroom use. Huesemann.

EDU 097 Children's Books and Authors (¼ or ½) (Summer). An opportunity for teachers and librarians and all those interested in children's authors, illustrators, and editors. Course will include talks, demonstrations, and rap sessions with authors and illustrators, as well as how-to-do-it sessions for bringing fine books into the hands and hearts of children. Polette.

EDU 099 Developing Learning Packages (¼ or ½) (Summer). A course to help teachers develop their ideas and put them into usable form as a Learning Package. Each participant will develop a learning package to teach a specific skill or concept that can be used by students in an independent study situation. Polette.

EDU 200 History and Philosophy of Education. A comprehensive study of the historical structure and philosophy of American education, its roots in the past, its relationship to other present educational systems, and its possible future direction. Donovan.

EDU 239*† Library Administration. General administrative procedures used in administration of school library organization, staffing, budget, physical plant, etc. Burr.

EDU 240 Integration of Audio Visual Materials in Instruction. For elementary and secondary teachers and for library/media personnel, covering the fundamentals of teaching with audiovisual technology. Polette.

EDU 242*† Cataloging and Classification. Simple cataloging problems following standard practices. Classification according to the Dewey Decimal Classification System. Chervitz.

EDU 243*† Reference and Bibliography. Study of the books useful in school reference section: encyclopedias, dictionaries, general reference books and simple bibliographies. Burr.

EDU 244*† Selection and Acquisition of Library Materials. Principles of selecting books, etc., for the school library. Use of guides, bibliographies, etc., purchasing methods, sources of supplies, purchasing records, etc. Staff.

EDU 246*† History and Development of Children's Literature. History and development of literature suitable for the grade school and high school student. Evaluation of current materials. Polette.

EDU 270* Affective-Values Education. A study of personal and social behaviors related to feelings

*Offered alternative years.

and emotions as they enhance or hinder the educational processes. Valuing as a learned process will be investigated, as will areas of value conflict and clarification processes. Materials and methods for resolving value issues will be presented. Vandagriff.

EDU 300-301 Strategies and Tactics for Secondary Teaching. A study of theories of learning and human development and their influence on current classroom practices. Opportunities are given to practice a variety of teaching techniques. Classroom observations and practicum are an integral part of the course. Prerequisites: PSY 100 and junior standing. Donovan.

EDU 303-304 Strategies and Tactics for Elementary Teaching. A course designed to provide an integrated view of teaching, learning and social behavior in the elementary school setting. The study of child psychology and educational psychology contributes to a more comprehensive understanding of learning as a process for developing desirable behavior change in children within the school community. Classroom observations are an integral part of the course. Prerequisite: Sophomore standing and PSY 100 or concurrent registration. Vandagriff.

EDU 305* Elementary Reading Methods. A comprehensive study of the skills required for reading development; such as word attack and perception, vocabulary, comprehension, etc. A variety of reading methodologies, materials and evaluation items will be presented and used with readers in the school setting. Rocchio.

EDU 306*† Language Arts. A comprehensive study of listening, grammar, speaking and writing skills as they are integrated into the modern language-reading program. Various methods and appropriate materials will be explored. Vandagriff.

EDU 307 Reading in the Secondary School. A study of developmental and remedial reading programs for secondary students. Rocchio.

EDU 308 Organization and Administration of the Preschool. A course designed to provide students with various organizational patterns for establishing educational programs for young children. The issues and concerns of administering these programs will be equally emphasized. Observations will be required in several local area programs. Vandagriff/Walsh.

EDU 315* Techniques of Teaching Sports. Class organization, teaching methods, analysis of skills and practice in individual, dual and team activities. Prerequisite: consent of instructor. Ebest.

EDU 314 Utilizing Parent & Community Resources.

A course designed to explore the resources of the community and methods of incorporating these resources into the pre-school program. Parent resources and parent-school relationships will be studied and materials and methods for developing such relationships will be a focus of efforts. Vandagriff.

EDU 318 Principles of Early Childhood Education. A study of principles basic to the preschool environment designed to meet the needs of the developing child. Cognitive, physical, social, emotional and creative development will be investigated and observed in the preschool setting. Curriculum and materials appropriate for early education will be emphasized, as will planning and executing activities for the preschool child. Vandagriff/Walsh.

EDU 323* Methods of Teaching Elementary School Music. A study of the various approaches to music education in the elementary schools. For music education majors. Johnson.

EDU330† Methods of Teaching a Major Subject. Problems of teaching the major subject in secondary schools. New materials and methods are examined, implemented and evaluated. Prerequisite: at least one semester of Secondary Strategies is required. This course is offered in the second term of each academic year.

Section A, Science
Section B, Mathematics
Section C, Modern Languages
Section D, Art
Section E, English
Section F, Social Studies
Section G, Business Education
Section H, Speech & Theatre
Section I, Music
Section J, Dance

(All of the above are full-credit courses.)

EDU 341 Education of the Exceptional Child. In this course the student will (1) develop an understanding of the abilities and disabilities of the groups of children who are commonly classified as exceptional; (2) develop an understanding of the needs of exceptional children and the instructional planning employed to meet these needs; (3) gain an appreciation of the impact of educational, psychological, physical and emotional handicaps upon an individual; (4) gain an interest in the welfare of the handicapped individual and recognize society's responsibility to help these individuals realize their full potential; (5) gain actual experience with exceptional children and with those professionals who work directly with such individuals. Soda.

EDU 361 Multicultural Education. This course is designed to provide a beginning understanding of the life styles of minority groups as they affect teaching behavior. Whenever possible, outside speakers and classroom observations will be used. Readings will center on works by members of different ethnic groups. Donovan.

*Offered alternative years.

EDU 384 Creating Curriculum and Materials for Early Childhood Programs. A course designed to familiarize students with innovative curricula and materials currently in use in art, drama, play, music, etc. Techniques for promoting cognitive, motor, social and emotional development through these materials and programs will be emphasized. Students will also prepare and test their own materials with preschool children. Vandagriff.

EDU 389* Survey of the Middle School/Junior High. This course is designed to provide an in-depth understanding of pre-adolescence and to survey, evaluate and create programs and practices to meet its special needs. Burd.

EDU 388/390† Student Teaching (double course/ 2½ credit course). A course consisting of observation, individual conferences, seminars and supervised teaching in the elementary and secondary schools. The student is responsible for arranging and paying the expense of transportation to and from the assigned school. Course registration must be approved by the Council on Teacher Education at least one semester in advance of enrollment. The student must have completed the Strategies sequence (either EDU 300-301 or 303-304) and either the Reading course (elementary) or the Special Methods course (secondary and K-12) before student teaching. The student teacher's total academic load is limited to four courses, including student teaching although less than 4 courses is considered desirable. Offered only in Fall or Spring terms. Students on K-12 certification must teach in two levels. Burd/Burr.

EDU 400 Pre-Student Teaching Practicum. This course is designed to offer the education student experience in elementary and secondary schools of the area or other learning environments. Evaluations will be made by the college consultant and the cooperating teacher of the student's work. Burd.

Special Education

SPED/PSY 102 Child Development. Study the factors influencing the child's perceptual, motor, intellectual, language, social and personality development from birth to maturity. Students will have the opportunity to study the behavior of children in Lindenwood's Preschool or in other community child programs. Staff.

SPED/PSY 103 Abnormal Psychology. A survey of the major classes of behavior disorders. Emphasis is focused on understanding symptoms, the complex interaction of factors related to disordered behavior and various approaches to correction of behavior problems. King or Evans.

SPED/PSY 201 Psychology of Adolescence. A study of physical, intellectual, emotional and social development during the period of adolescence. Research studies given special attention include the study of the development of a sense of personal identity; changing roles in family, school,

and community; and problems of adjustment, delinquency and drug abuse. A prior course in psychology is desirable. Staff.

SPED/PSY 302 Behavior Modification. Study of the application of learning principles to practical problems of behavior with emphasis on behavior management and behavior therapy. The course includes evaluation of research findings on behavior modification in home, school, and clinical settings, laboratory study in acquisition of new behaviors, and visits to local programs using behavior modification with normal and exceptional persons. Prerequisite: PSY 100. Evans.

SPED/EDU 309* Analysis and Correction of Reading Disabilities. This course is designed for the student to acquire and evaluate conceptual and theoretical knowledge about teaching reading, analyze and evaluate selected approaches to teaching reading as related to the varied reading disabilities, and work in a tutorial-clinical setting to determine expectancy performance levels and mental abilities. The student will also be expected to design an organizational pattern for a remedial reading program at the elementary level, and will examine personal concepts of diagnostic teaching, clarifying and refining these ideas in terms of societal expectations and school educational expectations as they impinge on the total school reading program.

SPED 311 Mainstreaming. A study of the developmental characteristics of the exceptional child as they relate to learning and socialization in the regular classroom. Techniques, strategies and materials for assisting the exceptional child will be explored. Human relationship skills and behavior will also be discussed as paramount to fostering the transition into the regular school setting. Vandagriff.

SPED/PSY 324A Psychological Testing. A study of theory of mental measurement and the principles of reliability, validity and standardization as they are applied to the construction, interpretation and use of educational and psychological tests. Tests of achievement, aptitude, intelligence, interest and personality will be studied also as illustrations of the problems of measurement and the variety of solutions to those problems. Ethics of test use will be given special consideration. Each student will complete a term project in constructing, validating, and norming a test. Prerequisites: prior courses in psychology. Evans.

SPED/PSY 324B Psychological Testing. The same course as PSY 324A; however, the term project will involve learning to administer, score and interpret one of the most frequently used tests of individual abilities: WISC or Stanford Binet. Prerequisites: prior courses in education and psychology. Nelson.

SPED 328 Methods of Teaching Children with Learning Disabilities. In this course methods and materials needed in teaching learners with learning disabilities in special education programs will be

* Offered alternative years.

studied. Both commercial and teacher developed materials are examined. Practical work is an expected part of this course. Prerequisite: EDU 341. Soda.

SPED 329 Methods of Teaching Mentally Retarded Children. In this course methods and materials needed in teaching learners who are mentally retarded and in special education programs will be studied. Both commercial and teacher developed materials are examined. Practical work is an expected part of this course. Prerequisite: EDU 341. Soda.

SPED 331 Methods of Teaching the Behaviorally Disordered Child. In this course methods and materials needed in teaching the behaviorally disordered learner will be studied. Both commercial and teacher developed materials are examined. Practical work is an expected part of this course. Prerequisite: EDU 341, Staff.

SPED/ED 333 Speech and Language Development for the Exceptional Learner. This course is designed to increase the student's knowledge about the characteristics of human language and how such knowledge facilitates a clearer understanding of the young special education learner. Study of theoretical schemes of language acquisition, the child's stages in acquisition of morphology and syntax, sound and semantics will be an integral part of the course. Soda.

SPED/PSY 336 Perception: Development and Learning. A study of the nature and development of sensory and perceptual processes most closely related to vision and audition. Both research reviews and field experience will be used to consider the changes in understanding complex stimuli which occur with maturity and experience. Specific consideration will be given to the causes and effects of abnormal perceptual development. Each student will work individually with a child experiencing perceptual disfunction. Prerequisite: PSY 100. Nelson.

SPED/PSY 337 Special Education Counseling. A team-taught course which attempts to combine the traditional psychology of counseling in all its variety with special consideration of the problems experienced by exceptional children, their families and their teachers. Students will spend half their time working with a special education teacher and observing him/her to test the practicality and effectiveness of counseling approaches presented in class. Prerequisite: Special Education courses and Abnormal Psychology, or permission of the instructor. Soda.

Graduate Education

Because of the recent stress by educators on improving inservice and graduate teacher education, Lindenwood has developed several alternatives by which the practicing educator may complete the master's degree. The models are developed to span a continuum from one emphasizing the distributed requirements to one emphasizing

a learner-developed program. These alternative models are listed below with a brief explanation.

(a) Model I One can complete a Master of Science degree in elementary or secondary education. This program is traditional in nature. Upon satisfactory completion of certain required courses in education and a particular number of elective courses one receives the M.S. in Education degree.

(b) Model II Participants in this master's program must have had teaching experience or be presently teaching. The program includes a portion of required 'Core Courses' and a Collegial Seminar, stressing the role of colleagues in professional development. The remainder of the program is built upon a needs assessment of the participant as an educator. This work leads to a Master of Arts in Education.

(c) Model III This master's degree program is for students with highly specialized needs who desire studies in a specific area. This teacher, should he or she be a part-time student, would take part in the Core Courses described in Model II, but would spend a substantial portion of the program in one-to-one tutorial with an expert in the specialized field of study. A student who studies full-time in this kind of program could complete the M.A. in Education degree in a full calendar year. Part-time study would, of course, take longer.

(d) Model IV This model takes a minimum of 4 trimesters (14 weeks each) and leads to the M.A. in Education. The format is learner-developed and consists of small dialogue groups, tutorials, independent study and applied learning. All students in this program are full-time educators in a setting which can be used as a laboratory for observations and implementation.

Models I, II, and III may be pursued on a part-time or full-time basis. Model IV is only for full-time employed persons working full-time on their degree. Only in Models I, II, and III can certification work be taken.

Admissions

For admissions information to Models I, II, and III graduate programs in education see the Guide to Graduate Programs in Education, Admissions Section.

*Offered alternative years.

General Provisions

Courses offering three hours credit in Models I, II, and III will typically meet once a week for a three hour time block. Length of sessions is based on credit hours offered in the course. The independent study or tutorial courses are arranged at the convenience of the student and the tutor. Summer session courses will run during the months of June and July and will vary in time length based on credit hours of the course.

Graduate students may take one or two courses each fall, spring or summer term. Should one desire to take more, special permission must be granted by the Director of Graduate Programs in Education. Thus an 11 course program may be completed easily in two calendar years.

A Professional Educators Grant (PEG) is offered to all certified and contracted teachers taking course work at The Lindenwood Colleges.

Information about other Financial Aid in the form of loans and grants may be secured from the Financial Aid Office of The Lindenwood Colleges.

Graduate Courses in Education

EDU 500 Collegial Seminar. This course is designed to provide an open-ended, non-hierarchical, nonthreatening opportunity for professional educators to learn from fellow professionals. Individual educational problems will be presented to the group for analysis and prescription. Each term the graduate student is registered, he/she will be expected to enroll in this course. At no time will there be a charge for this course, but credit will be given for it upon completion of the student's degree program.

EDU/PSY 502 Behavior Modification. Study of the application of learning principles to practical problems of behavior with emphasis on behavior management and behavior therapy. The course includes evaluation of research findings on behavior modification in home, school and clinical settings, laboratory study in acquisition of new behaviors, and visits to local programs using behavior modification with normal and exceptional persons. Prerequisite: PSY 100. Evans.

EDU 503 The Junior High/Middle School. In this course the student will study the learner involved in the junior high/middle school, the curriculum, various scheduling practices, and selected building designs planned for this age group. Burd.

EDU 504 Children's Books and Authors. A course for teachers and librarians and all those interested in children's authors, illustrators, and editors. Course includes talks, demonstrations, and rap sessions with authors and illustrators as well as 'how-to-do-it' sessions for bringing fine books in-

to the hands and hearts of children. 1 or 2 semester hours. Polette.

EDU 505 Analysis of Teaching and Learning Behavior. This course is designed to enable the educator to analyze/diagnose, prescribe and evaluate ways to improve teacher and learner behavior. Various methods of analyzing teacher behavior will be studied and applied. Stress will also be placed on developing the ability to analyze and prescribe programs for individual learners. Donovan.

EDU 506 Metric Measurement for Teachers. 2 hrs. A course designed to involve the participants in activities related to the concept of measurement, particularly metric measurement. The emphasis will be on using and developing suitable activities for elementary classroom use. Huesemann.

EDU 507 Reading in the Secondary School. A study of developmental and remedial reading programs for secondary students. Staff.

EDU 508 Organization and Administration of the Preschool. A course designed to provide students with various organizational patterns for establishing educational programs for young children. The issues and concerns of administering these programs will be equally emphasized. Observations will be required in several local area programs. Graduate students will be expected to develop an organizational design for implementing a preschool program, with reference to current research findings in addition to other class assignments. Vandagriff/Walsh.

EDU 509 Analysis and Correction of Reading Disabilities. This course is designed for the student to acquire and evaluate conceptual and theoretical knowledge about teaching reading, to analyze and evaluate selected approaches to teaching reading as related to the varied reading disabilities, and to work in a tutorial-clinical setting to determine expectancy performance levels and mental abilities. The student will also be expected to design an organizational pattern for a remedial reading program at the elementary level, and will examine personal concepts of diagnostic teaching, clarifying and refining these ideas in terms of societal expectations and school educational expectations as they impinge on the total school reading program. Staff.

EDU 510 Conceptualization of Education. In this course the student learns how to examine contemporary educational problems by studying them from the perspective of history, philosophy, sociology and psychology. Vandagriff.

EDU 511* Advanced Educational Psychology. In this course the student will examine current areas of interest in the study of learning theories and their application to education, concepts, methods and problems of human development and their application to education, with an emphasis on re-

cent research in educational psychology. Burd.

EDU 512 Developing Learning Packages (1 or 2 hrs.) A course to help teachers develop their ideas and put them into usable form as a Learning Package. During the course each participant will develop a learning package to teach a specific skill or concept that can be used by students in an independent study situation. Polette.

EDU 513 Survey of International Education. In this course the student will study the educational system of selected countries of the world and do comparative studies of these systems with the United States' system of education. Staff.

EDU 514 Utilizing Parent & Community Resources. A course designed to explore the resources of the community and methods of incorporating these resources into the preschool program. Parent resources and parent-school relationships will be studied and materials and methods for developing such relationships will be a focus of efforts. Graduate students will develop a program for use in their class or school. Vandagriff.

EDU 518 Principles of Early Childhood Education. A study of principles basic to the preschool environment designed to meet the needs of the developing child. Cognitive, physical, social, emotional and creative development will be investigated and observed in the preschool setting. Curriculum and materials appropriate for early education will be emphasized, as will planning and executing activities for the preschool child. Graduate students will be expected to produce a curriculum design for at least one of the five areas of development, based on readings from current research literature, in addition to other assignments expected from all participants. Vandagriff/Walsh.

EDU 520 Curriculum Analysis and Design. This Course will have a dual emphasis. First, it will include in-depth study of past and current curricula with attention to the research and theory on which they were based. Second, this knowledge will be utilized by the participants in preparing curricular programs which will enable them to function more effectively in their particular educational setting. Vandagriff.

EDU 522 Practicum: Diagnosis of Reading Difficulties. The student will participate in related clinical experiences in the use of various diagnostic instruments and procedures for identifying kinds or types of reading difficulties. The student will be expected to administer, score and interpret basic tests and write case study reports for several children. Prerequisite: EDU 306, 309/509 or the equivalent.

EDU/PSY 524 Assessment of Intellectual Skills. Non-projective educationally relevant tests will be considered with respect to theories of measurement, test construction, test administration and ethical use. Students will attain competence in administration of one of the more commonly used

methods of assessment, either Binet or Wechsler. Fenger.

EU 526 Practicum: Remediation of Reading Difficulties. Student will apply appropriate remedial techniques using commercial and teacher-made materials in teaching students, previously diagnosed with reading disabilities. Lesson plans, preliminary remediation reports, progress reports and a final evaluation of the remediation program are required. Prerequisite: EDU 306, 309/509 or equivalent.

EDU 527 Preparation for Mainstreaming in Elementary Education. A study of techniques, methods, strategies, and materials appropriate for use with the exceptional child in the regular classroom. Problems which may be encountered in human relationships in helping the exceptional child and the classroom members adjust to the new structure will also be explored. Should be practical for the pre-service teacher who will soon be working actively with children and also any classroom teacher who has the problem of an exceptional or different child in the normal classroom setting. Vandagriff.

SPED 528* Methods of Teaching Children with Learning Disabilities. In this course methods and materials needed in teaching learners with learning disabilities in special education programs will be studied. Both commercial and teacher developed materials are examined. Practical work is an expected part of this course and the graduate student will be expected to do a project or paper. Prerequisite: EDU 341 or 541. Soda.

SPED 529 Methods of Teaching Mentally Retarded Children. In this course methods and materials needed in teaching learners who are mentally retarded and in special education programs will be studied. Both commercial and teacher developed materials are examined. Practical work is an expected part of this course and the graduate student will be expected to do a project or paper. Prerequisite: EDU 341 or 541. Soda.

EDU 530 Organization and Administration of Contemporary Schooling. (Required of a Model I student, elective for other students.) This course is designed to study the school system in the United States, how it is administered and organized from a local school board through the role of parents in schools. Some work with an administrator in a school setting will be required. Staff.

SPED 531 Methods of Teaching the Behaviorally Disordered Child. In this course methods and materials needed in teaching the behaviorally disordered learner will be studied. Both commercial and teacher developed materials are examined. Practical work is an expected part of this course and the graduate student will be expected to do a project or paper. Prerequisite: EDU 341 or 541. Staff.

SPED 533 Speech and Language Development for

* Offered alternative years.

the Exceptional Child. This course is designed to increase the student's knowledge about the characteristics of human language and how such knowledge facilitates a clearer understanding of the young learner and the exceptional child. Study of theoretical schemes of language acquisition, the child's stages in acquisition of morphology and syntax, sound and semantics will be an integral part of the course and rate of language development, children's body language, voice and proxemics in communication and distinctions between the structure of language and its function. Soda.

EDU 541 Education of the Exceptional Child. In this course the student will (1) develop an understanding of the abilities and disabilities of the groups of children who are commonly classified as exceptional; (2) develop an understanding of the needs of exceptional children and the instructional planning employed to meet these needs; (3) gain an appreciation of the impact of educational, psychological, physical and emotional handicaps upon an individual; (4) gain an interest in the welfare of the handicapped individual and recognize society's responsibility to help these individuals realize their full potentials; (5) gain actual experience with exceptional children and with those professionals who work directly with such individuals. Soda.

EDU 560 School Supervision: Elementary, Secondary. This course is designed for team leaders, department chairmen, cooperating teachers, supervisors, and administrators who want to develop their skills in working with teachers in a classroom setting. Using simulation and video taping, participants will develop skills in setting mutually acceptable objectives, in devising creative means to reach these goals, and in setting up some effective but non-threatening evaluative techniques. Recent work in supervision and management techniques will be consulted. Donovan.

EDU 570 Educational Research: A Practical Approach. The course is designed in such a way that practitioners will be able to evaluate the results of educational research for use in a variety of educational settings and will be aware of the impact of recent major research studies on educational practices. The participant will investigate the basic nature of educational research, along with pertinent methods of data collection and analysis. Emphasis will be placed on research problems, designs and findings in the participant's selected area of concentration. Burd.

EDU 580 Master's Seminar. (Required of Model I students.) Students enrolled in this course will have had EDU 570 or be presently taking it. This course is designed for the participants to present to fellow professionals a paper dealing with a current issue or problem confronting them in their professional setting or experience. Staff.

EDU 581* Critical Issues in Children's Literature. (2 semester hrs. credit.) The purpose of this course is to examine in detail those issues in current child-

ren's literature which are a reflection of society in the United States today, the challenges and choices implicit in writing for today's children; the evaluation and critical discussion of controversial literature including the areas of sexism, racism, ethnic literature, politics, children's book awards and realism including such topics as sex, obscenity, profanity, drugs, the occult, death and violence. This course and Adolescent Literature complement each other and each course will meet every other week (with all students meeting together the first and last weeks). Students would also have the option of attending all meetings of both courses if they wished. Both courses require considerable outside reading and research with Adolescent Literature requiring more than the Critical Issues Course. Polette.

EDU 584 Creating Curriculum and Materials for Early Childhood Programs. A course designed to familiarize students with innovative curricula and materials currently in use in art, drama, play, music, etc. Techniques for promoting cognitive, motor, social and emotional development through these materials and programs will be emphasized. Students will also prepare and test their own materials with preschool children. In addition, graduate students will develop a curriculum which would be applicable to their own teaching situation. Vandagriff.

EDU 591-593 Self-Prescribed Courses. It is basic to the philosophy of this program that the educator, in order to devise learning experiences for others, should have the opportunity to devise such experiences for himself. The design of such experiences should not be entirely limited to a choice between already formalized learning experiences but should allow the educator the choice of either selecting courses already offered or conceptualizing and proposing experiences to meet his individual needs as a practicing educator. These learning experiences will become the Self-Prescribed Courses for the participant and will, along with a written rationale for the learning experiences, be approved by the tutor(s) who will be responsible for aiding implementation of this part of the program. The participant can propose his Self-Prescribed Courses whenever he has identified his own goals and objectives and has determined the direction for meeting them. This portion of the program could consist of the equivalency of six courses. Models, I, II, III. Staff.

EDU 600 Master's Project. (Required of Model II and III students.) Each participant in the course will be responsible for the preparation of a final project as required for the course and graduation. The project must be a specific application of the techniques of problem conceptualization, strategy planning, implementation, data gathering, analysis, evaluation and reconceptualization which have been stressed throughout the program. The topic of the project would focus on a particular problem which the participants face in their individual situations as an educator. The Master's Project may take the form of curriculum development, where-by the candidate will design, test out in practice

*Offered alternative years.

and evaluate a curriculum plan within an educational environment. It could be through analysis of a teaching project whereby the candidate will observe, record and analyze various patterns of teaching behavior, or it could be a research project where a particular research technique is applied to an educational problem. All Master's Project proposals must be accepted by the tutor(s) before the student can register for this course. Staff.

Special Certification Program in Library Supervision, K-12 Supplementary to the Standard Life Certification Area

Sufficient coursework, usually on a rotating basis, is available to permit students to obtain credit in required areas (cataloging, selection and acquisition, reference, administration and children's or adolescent literature) and some optional areas (non-print materials) to earn K-12 certification in Library Supervision. A minimum of 5½-6 courses are needed though more are recommended. Life certification in elementary or a secondary standard area of certification is required.

EDU 539 Library Administration. General administrative procedures used in administration of school library: organization, staffing, budget, physical plant, etc.

EDU 540 Basic Audiovisual Methods. For elementary and secondary teachers and for library/media personnel, covering the fundamentals of teaching with audiovisual technology.

EDU 542 Cataloging and Classification. Simple cataloging problems following standard practices. Classification according to the Dewey Decimal Classification System.

EDU 543 Reference and Bibliography. Study of the books useful in school reference section: encyclopedias, dictionaries, general reference books and simple bibliographies.

EDU 544 Selection and Acquisition of Library Materials. Principles of selecting books, etc., for the school library. Use of guides, bibliographies, etc., purchasing methods; sources of supplies; purchasing records, etc.

EDU 547 History and Development of Adolescent Literature (2 hr. course). History and development of literature suitable for the secondary school: junior and senior high. Evaluation of current material. This course and EDU 581 *Critical Issues in Children's Literature* complement each other and each course will meet every other week (with all students meeting together the first and last weeks). Students would also have the option of attending all meetings of both courses if they wished. Both courses require considerable outside reading and research with Adolescent Literature requiring more than the Critical Issues course. Polette.

NOTE: For graduate courses in specific content areas, see catalog copy in those areas.

ENGLISH

Faculty: Barnett (Chairman), Biggs, Feely, Fields.

Requirements for the Major

Eight to 12 courses in English exclusive of ENG 201 are required for a major in English. Courses beyond the maximum of 12 are accepted if the student takes more than the 36 courses required for graduation. Students considering graduate study should select courses at least of sufficient diversity to provide knowledge of English literature from the 14th through the 20th centuries.

Combinations of English with other disciplines such as English-Journalism, English-Education, English-Art, Comparative Literature and others are available and may be developed under the direction of appropriate faculty members.

Facilities and Activities

The college library is the principal resource facility for English and contains an extensive collection of classic to contemporary works; cultural, critical and biographical studies; and periodicals. Individual faculty members also have collections of journals and informational resources to aid the student in career choices.

Field study and internship opportunities exist in journalism, editing and publishing through departmental and INSERVICE programs. Lindenwood publications such as *The Griffin* and *The Ibis* and part-time work in Lindenwood's publications office, all provide opportunities for experience in writing and editing.

Student activities for English students (and others) include *The Griffin* magazine staff. The Griffin Press (for publication of student writing and art work), and weekly readings provide outlets for student interests in creative writing. English Department faculty members are available for tutorials and for sponsorship of interest groups.

Career Opportunities

The English major extended in graduate school through the Master of Arts and Doctor of Philosophy degrees prepares the student for college and university teaching, or for research and archivist positions with privately and governmentally supported foundations and bureaus. English-Education prepares the student for certification in public school teaching. English-Journalism prepares the student for careers in newspaper work, advertising, book and magazine publishing, public relations, house and in-

stitutional publishing, broadcast journalism. When combined with other studies, English is also an appropriate preparation for law school and seminary.

Courses of Study

ENG 125* History of the English Language (required for the major). Introduction to the study of the English language. The phonology, history and grammar of English investigated chiefly in terms of current linguistic theory but with attention to the influence of cultural, social and political history. Barnett.

ENG 201 Basic College English Composition. A study of and practice in various forms of exposition, preparing the student to write at the college level and to make a start toward mastery of written English. Selections from literature are used as models of the effective use of language, as sources for composition topics, and as examples of the creative process in verbal composition. The basic principles of research are also included. Staff.

ENG 202 Advanced College English Composition and Research. The practice of various forms of writing, both personal and public, with the aim of achieving a mastery of style. A research project provides training in gathering and documenting information, as well as in organizing a larger structure. Biggs.

ENG 205* English Literature to 1800. A study of English poetry and prose from the Anglo-Saxon period through Johnson and his circle. Selected representative readings are studied in terms of the cultural conventions of their respective historical periods. Staff.

ENG 206* English Literature 1800 to Present. A study of English prose and poetry from Blake to our own time. Works of major writers are studied in terms of each writer's own critical statements or in terms of the particular school or movement to which he belonged. Staff.

ENG 225* The 18th Century Novel. The beginning of the novel in England and its development to the end of the 18th century. Representative works of Defoe, Richardson, Fielding, Smollett, Sterne and Austen are studied. Biggs.

ENG 226* The 19th Century Novel. The English novel in the 19th century, from Dickens to Hardy, with attention to the development of the novel as an art form and to its reflection of the cultural setting. Barnett.

ENG 228* Literature and the Art of Love. A study of the idea of love as creativity, in literature from Ovid to the present. The course includes writings in translation from Medieval French and Arabic, as well as works by Chaucer, Spenser, Donne, Pope, Tennyson, Joyce and others. Feely.

ENG 229J Classicism and Its English Romantic Tradition. A study of ancient Greek art, archi-

tecture and literature in terms of the idea of the classical, and of the adaptation of that idea in the form and content of selected works by such English writers as Chaucer, Milton, Pope, Arnold, and Joyce. Involves travel in Greece, with stays of some length at Heraklion, Nauplion, Olympia, Delphi, and Athens. Feely.

ENG 231* American Literature I. A study of the rise of American literature from early colonial times to the end of the 19th century. Readings from Franklin, Cooper, Hawthorne, Twain and Melville. Fields.

ENG 232* American Literature II. A study of 20th century American writings, principally Eliot, Fitzgerald, Hemingway, Faulkner, Ellison and Heller. Fields.

ENG 233* Shakespeare and English Drama to 1600. A study of English drama before 1600, with emphasis on the principal comedies and historical plays of Shakespeare. Feely.

ENG 234* Shakespeare and English Drama 1600-1642. A thorough study of the major tragedies and tragi-comedies of Shakespeare, together with selected plays by other Tudor and Stuart dramatists. Feely.

ENG 236* World Fiction. Readings and discussion of selected contemporary authors including Western and Eastern European and Third World writers. Emphasis will be given to writing by women and to the literature of emerging nations. Fields.

ENG 237* Chaucer. A study of Chaucer's major poems, in the context of medieval philosophy, art and literature, with emphasis on *The Canterbury Tales*. Feely.

ENG/HUM 238* Renaissance Studies. Selected works of art, literature and music are studied in terms of the whole intellectual milieu of the Renaissance. Emphasis is placed on English poetry of the 16th and 17th centuries. Some literature is in translation, but students who are able are encouraged to read in the original languages. Feely.

ENG 239* Milton. A study of Milton's poetry and prose as art, but in relation to the religious, philosophical, scientific and critical tendencies of his times, with emphasis on *Paradise Lost*, *Paradise Regained*, *Samson Agonistes*, *Of Education* and *Areopagitica*. Feely.

ENG 245* 18th Century Studies. The literature of the 18th century studied in two parts with emphasis on the satire of Dryden, Swift and Pope in the first and on Johnson and his circle in the second. Biggs.

*Offered alternative years.

ENG 248* Anti-Theatre in Earlier 20th Century Drama. A study of the Avant-Garde, Dada, Surrealist, Epic, and Absurd theatre movements in terms of their plays, their various manifestos, and their esthetic relationships to the culture of Western Europe and America in the first half of the 20th century. Feely.

ENG 250* Classical Mythology (also listed as Classics). A course designed to provide general mythological background for the interested student, and to acquaint him or her with various possibilities of approaching myth, from the allegorical to some of the current methods (psychological, structural, etc.). Biggs.

ENG 251 20th Century Poetry. Poetry from 1900 to the present, principally English and American but with selections in translation from other cultures. A reading of the major modern poets will be followed by extensive readings among poets representing the growing importance of women and other writers who have not previously been in the mainstream of poetic tradition. Barnett.

ENG 254* Criticism. The major texts in criticism from the Greeks through the Moderns. Students will have an opportunity to individualize their study through projects applying critical theory to different art forms: literature, music, film, photography, painting, sculpture, and theatre. Barnett.

ENG 256* Greek Drama (also listed as Classics). Reading of representative works of Aeschylus, Sophocles and Euripides, with attention to the cultural background. Through discussion and additional readings the class will attempt to develop a concept of tragedy, using Aristotle's Poetics as a starting point. Selected plays of Aristophanes will round out the picture of Greek drama and provide further insight into the times. Biggs.

ENG 263* 19th Century Studies. Selected literature of the English Romantics and Victorians, principally the poetry of Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning and Arnold; and the prose of Carlyle, Newman, Arnold, Ruskin and Pater. Barnett.

ENG 270* Comparative Drama. A study of selected plays representing the evolution of drama in Greek, Roman, Medieval and Restoration periods. Styles of production and the development of the modern stage will also be considered. Fields.

ENG 272* Linguistics Workshop. An intensive study of linguistic theories and the analysis of English sentence structure. The course includes phonemic theory, transformational grammar, and linguistic criticism. Barnett.

ENG 275* Seminar in Selected Authors. A concentrated study of one or two authors: the major work, the criticism and the influence. Student

papers will be the basis for most class discussion, the instructor acting as director of research and moderator of the seminar. Staff.

ENG 311 a,b,c,d Writer's Workshop: Advanced and Creative Composition. A studio course for students wishing to develop writing skills in genres related to their personal objectives. General expository composition, the nonfiction article, the critical review, fiction (both short story and novel), poetry, and writing for the film are among the genres available. The course may include individual supervision of writing projects, class seminars, readings in exemplary and critical literature, and practical experience in editing and publishing. The course may be repeated with a different instructor for each registration. Prerequisite: ENG 201. Fields (a), Biggs (b), Barnett (c), Feely (d).

Graduate Courses in English (For the Masters Program in Education)

ENG 503 Written Composition: A Seminar. A study of selected texts in classical, medieval and modern rhetoric with the objectives of developing a working theory of composition and a program for practical application. Readings will include Greek, Latin, and English (both medieval and modern) treatises on composition; selected texts on teaching composition; and selected contemporary studies of stylistics. Students will individualize their studies by developing workbooks which apply compositional theory to practice and which could be used in teaching. Barnett.

ENG 520 Seminar in Classical Children's Literature. A study of the classics of children's literature with emphasis on the analysis of content and form. Readings will include American, English, European and Asian children's classics as well as a survey of the critical theories applied to such literature through the ages. Students will do research on specific topics drawn from their readings. Fields.

ENG 525 The English Language: A Seminar. An intensive study of the evolution of English as an Indo-European language and of the various descriptive systems that have developed. Subjects include traditional and linguistic grammars, vocabulary development, dialects, semantics, language and learning theory, and linguistic analysis. Students will individualize their studies through research on selections from those subject areas. Barnett.

ENG 535 Shakespearean Tragedy: A Seminar. A seminar study of the different concepts of tragedy employed by Shakespeare and of their influences on his plays, especially Hamlet, Othello, and King Lear. Feely.

ENG 575 Seminar in Selected American Authors. A study of classic American authors from James Fenimore Cooper to Joseph Heller. The class will

concentrate on selected authors: their major works, the criticism of their work, and their influence and importance in American culture. Students will do research in depth on specific topics growing out of the course study. **Fields.**

ENG 556 Seminar in Greek Drama. Students will read all of extant Greek tragedy and Aristophanic comedy, and will go into ancient and modern theories of tragedy and comedy. A research paper of some depth will be required. **Biggs.**

ENGLISH AS A SECOND LANGUAGE

Faculty: Relyea (Director), Sueoka.

Courses of Study

ESL 100 Beginning. This course which meets 25 hours per week is designed to help students gain fluency as quickly as possible in oral expression and listening comprehension. Basic English grammar and pronunciation as well as a supervised lab are part of the curriculum. Afternoon classes concentrate on elementary reading and writing skills. Orientation to various aspects of American culture through discussions, movies and trips occur throughout the semester.

ESL 200 Intermediate. Classes meet 20 hours per week and concentrate on reading, composition and study skills. Vocabulary development and advanced grammar are included as well as a laboratory, which will emphasize aural/oral skills and notetaking.

ESL 300 Advanced. This 10 hour per week course is designed for the advanced student to help him analyze college-level readings and take him from more sophisticated paragraph writing to full compositions. A review of advanced English grammar, oral reports, and complex conversation and debate are part of the curriculum.

ESL 301 Research Workshop. A project providing training for the ESL student in the basic principles of researching a paper, using the library effectively to accumulate, correlate, and document information. Special consideration and guidance are given to the language problems that are unique to the foreign student. The course will conclude with the writing of a completed research paper.

FILM

The courses in film are part of the curriculum in Communication Arts. For the relation of the film courses to a major in that field, see the section on Communication Arts.

Courses of Study

CA 173* History of Film I 1894-1928. The evolution of the film from the pioneering efforts of Edison, Melles and Proter through D. W. Griffith, Ser-

gei Eisenstein and Charlie Chaplin. Emphasis will be placed on the graphic history and evolving art of the film. **Fields.**

CA 273* History of Film II 1928-1975. The history of the film from the introduction of sound. Emphasis will be placed on German Expressionism, Italian, Neo-realism, American genre films, French New Wave and experimental films. **Fields.**

CA 275* Motion Picture Workshop. Production of the 16mm film. The course will include the study of the 16mm camera and the production and editing of a short film. **Fields.**

CA 279* Film and Broadcast Documentary. History, impact, and criticism of film, radio and television documentaries. Approach will be theoretical and practical. **Staff.**

CA 370* Seminar in Film I (a-h). A concentrated study of one aspect of film. Content of the course will change from semester to semester. Students may study the films of one director, such as Federico Fellini, a genre, such as the Western film, etc. Prerequisite: History of Film I & II, or permission of the instructor. **Fields.**

CA 373 Fiction into Film. Students will study the problems involved in transferring fiction to the visual medium through the reading of selected novels, short stories and plays, and viewing the films that were made from them. Prerequisite: CA 173, 273 or permission of the instructor. **Fields.**



*Offered alternative years.

FRENCH

Faculty: Perry

Requirements for the Major

Requirements for a major in French are as follows:

1. A minimum of eight courses beyond the intermediate level.
2. At least one course in conversation and composition.
3. At least one course in the culture and civilization of the country or countries where the language is spoken.
4. At least four courses in literature given in the foreign language. Students are encouraged to take as many courses in literature as possible.
5. A modern language major who intends to engage in graduate work or to teach a foreign language may take up to four courses in another foreign language in addition to the above courses.
6. The department strongly recommends some formal study in a country where the foreign language is spoken, preferably for a year, but at least for one term.

Facilities and Activities

The department has at its disposal a well-equipped language laboratory, supplementary audiovisual equipment for instructional aid, and adequate library holdings to sustain a major. Extracurricular activities include a Spanish club, a French table, cultural excursions in the St. Louis area, and a chapter of Pi Delta Phi, national honorary society in French.

Career Opportunities

Students planning to teach the foreign language or to serve as translator or interpreter are advised to pursue graduate work in the language.

Opportunities for a variety of careers exist for the undergraduate student who combines a foreign language major with a major in another field. Some of these careers or occupations include: positions in international business or commerce; technical and engineering positions overseas; banking and financial positions abroad; secretarial and clerical positions overseas and in the United States; civil service positions (the federal government is the largest employer of individuals with foreign language skills, both in the United States and abroad); film; publishing; science; health services; social work; social sciences; religious occupations; travel and tourism; hotels and motels; transportation industries; art; music.

Courses of Study

FLF 101, 102 Elementary French. Oral inductive approach, but with concurrent development of all

four language skills: listening comprehension, speaking, reading and writing. Intensive use of the language laboratory. Perry.

FLF 151, 152 Intermediate French. Reading of modern French prose, review of syntax, and continued practice in oral expression. Further development of all four language skills. Prerequisite: FLF 102 or equivalent. Perry.

FLF 211, 212 French Conversation and Composition. Systematic grammar review and vocabulary building with readings, oral reports and written compositions on topics of current interest. Prerequisite: FLF 152 or permission of instructor. Perry.

FLF 237* History of French Civilization. A survey of the social, cultural and political history of France from the Middle Ages to the present with emphasis on the major intellectual and artistic contributions of France to the Western World. Perry.

FLF 240J Contemporary France (off-campus in January: Paris. Given on demand). Students study French language and civilization in the morning at the Ecole Pratique de l'Alliance Française. Field trips to places of historical, artistic and cultural interest in the afternoon and on weekends. Prerequisite: FLF 151 or the equivalent. Perry.

FLF 251* Masterpieces of French Literature I. Reading of selected works of prose, poetry and drama from the 19th century to the present. Prerequisite: FLF 152 or equivalent. Perry.

FLF 252* Masterpieces of French Literature II. Reading of selected works of prose, poetry and drama from the Middle Ages through the 18th century. Prerequisite: French 152 or equivalent. Perry.

FLF 341* French Theatre of the 17th Century. Reading of representative works of the great dramatists of the classical period: Corneille, Moliere and Racine. Prerequisite: FLF 211 or permission of instructor. Perry.

FLF 350* French Literature of the 18th Century. Reading of representative works of fiction, nonfiction and drama of the leading writers of the 18th century. Perry.

FLF 365 19th Century French Literature I. A study of French prose and poetry during the first half of the 19th century, the period of romanticism and early realism. Prerequisite: FLF 211 or permission of instructor. Perry.

FLF 366* 19th Century French Literature II. A study of French prose and poetry during the second half of the 19th century, the period of realism, naturalism and symbolism. Prerequisite: FLF 211 or permission of instructor. Perry.

FLF 370 Seminar on Selected Authors. A con-

*Offered alternative years.

centrated study of one or more authors of a single literary genre: the major works, the criticism and the influence. Oral reports and written compositions. Prerequisite: FLF 211 or permission of instructor. Staff.

FLF 372* 20th Century French Theatre. Reading of selected works of the major French dramatists of the period from Claudel and Giraudoux to Ionesco, Beckett and Genet. Prerequisite: FLF 211 or permission of instructor. Staff.

Courses to be Offered in 1979-80 or 1980-81

FLF 210 French Oral Practice

FLF 235 Contemporary French Culture

FLF 239 World Cultures: The French People (evening only).

FLF 260 The French Woman

FLF 340 Advanced Intensive French Conversation

FLF 371 20th Century French Novel

GERMAN

The courses in German may be used to meet the Foreign Culture requirement. See the section on Academic Programs.

Courses of Study

FLG 101, 102 Elementary German. An introduction to the fundamentals of the language and a mastery of the basic principles with emphasis on speaking and reading comprehension. Staff.

FLG 151, 152 Intermediate German. A review of grammar and a study of linguistic, phonetic and syntactical problems through reading and discussion of modern German prose. (Not offered in 1979-80) Staff.

GEOGRAPHY

The curriculum in Geography is administered by the History Department.

Courses of Study

GEO 201 World Regional Geography. A survey of the major areas of the world divided along political boundaries, with emphasis on the impact of the physical environment on man. In particular, the course stresses the problems of population, food supply, resources and economic disparities among nations.

GEO 267 Geography of Europe. A survey of Europe's land forms, political, regional and cultural divisions, resources and economic activities.

GEO 269 Economic Geography. This course deals with world commodity production, processing, consumption, transportation and exchange. Throughout this portrayal, the primary, secondary, and tertiary industries will be explained and exemplified. Special attention will be given to food production, forest usage, mineral extraction and manufacturing concentration upon a global scale.

HISTORY

Faculty: Hood (Chairman), Balog.

Requirements for the Major

The requirements for a major in history are 8-12 courses in the Department of History, including a minimum of three courses in American history and three courses in European history, and HIS 371. Requirements include also 2-4 courses in the Social Science division. The department strongly recommends ECC 101 and SOC 100. Students who are contemplating graduate work in history are urged to take Social Science Statistics.

The history major may be used toward either a B.S. or B.A. degree. The department urges students who intend to do graduate work in history to take the B.A. option. The B.S. in history will be useful to those who wish to enter careers in teaching, though here, too, the B.A. option is appropriate.

Courses of Study

HIS 102, 103 A History of the Human Community. A two-term study of the growth of traditional societies around the world and their recent transformation by the urban, industrial revolution. The first term will focus on the evolution of the major world civilizations and their differences and similarities. The second term will deal with the impact of the urban and industrial revolutions on these civilizations and their reactions in the modern world. Hood.

HIS 105, 106 United States History. A two-term survey of American history. The first term will begin its examination with the colonial origins of the United States and conclude with the Civil War. The second term will trace the development of the United States from reunification to its present status as a world power. Both terms will stress political, economic, and social foundations of American development. Balog.

HIS 109* The Nazi State. An examination of Hitler and his Reich—the origins of National Socialism, the Nazi Revolution, and the social, cultural, and political changes that followed. Hood.

HIS 110* The Second World War. An analysis of the origins and course of the Second World War. We will examine the period of appeasement, the coming of the war in Europe, the problems of the wartime Allied alliance, and their attack on Europe. Some attention also will be given to the war in Asia. Hood.

HIS 111, 112* History of Russia. Two-term survey of Russian history from the 9th century to the present. The first term will examine early attempts to consolidate culminating in the absolutism of Peter the Great and the development of Imperial Russia through Catherine the Great. The second term will begin with the reign of Alexander I and concentrate on the major political, economic, and diplomatic developments of the 19th century, the Revolution of 1917, and the growth of the Soviet State. Balog.

HIS 201, 202* History of England. Development of the English state and society. Selected topics illustrate the growth of major institutions, such as the Crown, the Church, Parliament, and Cabinet government. Hood.

HIS 204* The West in American History. A one-term survey of the significance of the West in American national development. The course will begin with the study of the colonial frontiers and conclude with the closing of the national frontier in the 1890's. Balog.

HIS 210* The Era of the Civil War and Reconstruction. An examination of the sectional conflict from the end of the Mexican War in 1848 to the end of Reconstruction in 1877. Political, military, and social developments will be emphasized including the long-range impact of the disruption of the Union. Balog.

HIS 220* Recent United States. The development of the United States from The Great Depression of the 1930's to the present. The course will examine the problems of world leadership, changing political alignments, shifting social patterns, emerging minorities, and the concept of the welfare state. Balog.

HIS 223* The Ancient World. The growth of the early civilizations in the Near East and the Mediterranean, and the Celtic and Germanic cultures in Europe, down to the 4th century. Staff.

HIS 225* Europe During the Renaissance and Reformation. The transition period of Europe from medieval to modern times from 1300 to 1648. The course will explore the development of urban and national structures, the rise of large-scale capitalistic enterprise, changing social institutions, and the religious revolution of the 16th century. Hood.

HIS 227* The Civilization of Industrialism. The development of urban industry and civilization in Europe since the late 18th century. The course deals with the onset of industrialism and its effect on society and social class in the 19th and 20th centuries. Staff.

HIS 231* Classic Europe: The Old Regime. Europe in the 17th and 18th centuries. The course stresses the development of classic social, economic, and religious institutions, the development of national monarchies, mercantilism, and the Enlightenment. Hood.

HIS 232* The Age of Revolution. A comparative analysis of the English Civil War of the mid-17th century and the French Revolution of the late 18th century. The course will focus on the causes, courses, and consequences of the two conflicts within their broader European framework. Students will use some of the modern literature on revolution as a tool of analysis of the two conflicts. Hood.

HIS 233* 19th Century Europe. Europe under the impact of social, industrial, urban, and political change from 1815 to World War I. Hood.

HIS 234* Europe Since 1918. Contemporary Europe under the impact of the World Wars and the changes in Europe's economic and political position in the world. Hood.

HIS 248* Tudor-Stuart England 1485-1714. The course will explore aspects of English history in the 16th and 17th centuries, the growth of national consciousness and the Tudor monarchs, the English reformation, the reign of Elizabeth, and the Civil War of the 17th Century. Hood.

HIS 250 Victorian England. Reading, writing and discussion of aspects of English life in the middle and later 19th century; parliamentary reform, Utopian socialism, the Oxford Movement, the Evangelical Revival, Darwinism, imperialism, and popular taste. Prerequisite: HIS 202. Hood.

HIS 251 American as a World Power. Study of the emergence of the United States as a major power in the world from the Spanish American War to the present. The course will examine the motives behind America's entrance on the diplomatic scene, participation in world wide conflict, and eventual assumption of world leadership. Staff.

HIS 255* The South in American History. Study of the colonial beginnings and the expansion of southern life. Major themes will be the growth of slavery, establishment of a staple agriculture, the 'Southern way of life,' agrarian politics, relations with other sections, and industrial growth. Balog.

HIS 262 Economic History of Modern Europe. The economic development of Europe from the industrial revolution to the present. The course

*Offered alternative years.

will cover the mechanization of industry and agriculture, the growth of large-scale business and labor organizations, trade patterns, and the economic impact of the world wars and the depression. The course will end with a consideration of the current economic opportunities and problems of Europe. (Offered occasionally.) Hood.

HIS 268 American Economic History. Economic life and institutions in the United States from colonial days. Economic growth, state and private authority in relation to economic activity, monetary and banking history, trade and commerce, industrial development, labor problems, transportation, land and agricultural policy. Balog.

HIS 281* Europe in the Middle Ages. Europe from the decline of Rome to the Renaissance. The course will examine the interweaving of classical, Christian, and Germanic elements to form Western Civilization with its characteristic cultural, economic, and social forms. Hood.

HIS 315, 316* American Thought and Culture. A two-term survey of the intellectual development of the United States from colony to present. The first term will consider the major themes of early America, their origins and how they were shaped by the new American environment. The second term will begin with the Civil War and analyze the major religious, scientific and literary developments and their impact on American ideas and institutions. Prerequisite: HIS 105 or 106 or consent of instructor. Balog.

HIS 325* A Century of Revolution. The revolutionary ideology in Russia emphasizing the Decembrists, the intelligentsia of the 1830's, the 'Men of the 40's,' the growth of Russian Populism, Marxism, the Bolshevik-Menshevik split, the revolutions of 1905 and 1917. Prerequisite: HIS 112. Balog.

HIS 371 Topics in Historiography. An independent study exploring the works of some major historians and varying approaches to historical writing. Staff.

Graduate Courses

These courses are available either as classes or tutorials to support the master's program in Education.

HIS 520 The United States Since the Depression. An examination of the major interpretations of the significant events in United States history since the Great Depression in the 1930's. There are four segments: (1) Franklin Roosevelt and the New Deal; (2) Neutrality and War, 1932-45; (3) The Cold War, 1945-76; (4) Domestic Issues Since 1945. Balog.

HIS 522 Area Study: Sub-Saharan Africa. An examination of Africa below the Sahara as a

region—its people, politics, recent history, and environment; (2) Historical Development of Africa in recent times; (3) African Economic and Social Scene; (4) Major Problems in Africa today. Each segment will involve the student in the reading of a number of significant books and the writing of an interpretive essay. Hood.



HUMANITIES

HUM 78, 79 Little Magazine Production (1/2). A course designed to prepare the student for working on an arts-type magazine. It includes various aspects of editing; criticism of poetry, prose and drama (which may or may not be in English); criticism and selection of art, photography and music composition; magazine layout; editorial and publication decisions. Enrollment is subject to acceptance as a member of the staff of The Griffin and credit is dependent upon the completion of a certain amount of work. Fields.

HUM 111, 112 Introduction to the Humanities. A chronological survey of the creative and intellectual expressions of world cultures from ancient to modern times. The course includes readings from literature, lectures and discussions on the visual arts and music, viewing and listening periods, and lectures and discussions on the ideas of the various cultures being studied. Biggs, (Barnett in HUM 112), Greenlaw, Kanak. Feely in the evening college.

HUM 238* Renaissance Studies (also English). Selected works of art, literature and music are studied in terms of the whole intellectual milieu of the Renaissance. Emphasis is placed on English poetry of the 16th and early 17th centuries. Some literature is in translation, but students who are able are encouraged to read in the original language. Feely.

HUM 240J* Arts and Ideas: East and West. A comparative study of selected works of art, literature and music from major intellectual traditions: East and West. The course is an introduction to basic cultural modes of thought. The literature

*Offered alternative years.

is in translation, with some of the art and architecture in books and on film. The analysis of primary sources is important and travel to museums and libraries in the St. Louis area is required. Several trips outside the immediate area are optional. Feely.

HUM 265* Popular Culture in America (also Communication Arts). This course will examine American popular culture from 1800 to the present and will consider the impact of mass media and consumerism in the fine arts (visual arts, literature and drama). Emphasis will be placed on the effect of magazines, advertising, radio and television on the public taste. Fields.

HUM 290J* The Discarded Universe. A study of Medieval and Renaissance art and architecture as they reflect and synthesize the pre-Copernican views common to all knowledge in those periods. The principal objective of the course is to obtain a sensibly accurate historical perspective for the understanding and appreciation of Medieval and Renaissance art, literature, and music. The class will travel together, with stays of some length in Paris, Venice, Ravenna, Florence, and Rome. Students may study independently or with the instructor, but participation in regularly scheduled seminar meetings is required. Feely.

ITALIAN

Italian

The courses in Italian may be used to meet the Foreign Culture requirement. See the section on Academic Programs.

Courses of Study

FLI 101, 102 Elementary Italian. A beginning course in Italian taught by the audio-lingual method, while developing simultaneously the four language skills: listening, speaking, reading and writing. (Offered in the Evening College only.) Ferrone.

FLI 151, 152 Intermediate Italian. An intensive review course, designed to give the student a command of basic grammatical structures; to increase vocabulary and fluency, through reading and through oral and written analysis of short literary works and cultural selections. (Offered in the Evening College only.) Ferrone.

JOURNALISM

Faculty: Wilke (on leave 1978-79.)

The Bachelor of Arts and the Bachelor of Science degrees are offered in Broadcasting/Journalism. Students may elect to specialize in journalism or broadcasting or any combination of the

two. For other courses related to the major, see the sections on Broadcasting, Communication Arts, Film, and Photography.

Requirements for the Major

Eight to 12 courses in Journalism are required. Students must take BR/J 144 Newsgathering, Writing and Editing. They must also take one semester in Broadcasting and one in Journalism.

Facilities and Activities

The specialization and the related courses open to the student a number of field study and internship opportunities which (1) enable him/her to gain experience reinforcing classroom study; (2) provide a trial period for testing interest and aptitude in a career; and (3) establish contacts which can lead to employment after graduation.

Field study and internship opportunities include:

1. Lindenwood- The Ibis student newspaper; The Griffin student literary magazine; the Griffin Press student publishing; and KCLC-FM student-operated radio station. Lindenwood alumni and administrative publications also provide field study options.
2. Off-campus: Public relations and advertising agencies; newspapers; churches; and radio and television stations in the St. Charles and St. Louis areas.

Career Opportunities

Newspaper reporting; editing and feature writing; advertising and copywriting; publishing; editing; copyreading; free lance writing; public relations; house and institutional publishing; broadcast journalism. The B.A. or B.S. in journalism also prepares the student for graduate study in journalism and related fields.

Courses of Study

BR/J 044 Ibis Workshop (½). Staff assignments on the Ibis, the student newspaper. May be repeated, but only one full credit is applicable toward degree. Credit dependent upon the completion of a certain amount of work. Not available for the distributional requirement. Staff.

BR/J 85 Freelance Workshop (½). A production oriented workshop. Students will work on a per job basis with various departments of the college, and any agency or organization seeking the services of a photographer, writer, film-maker, copywriter or consultant. Students will work in public relations, public information, brochure, pamphlet and newspaper editing, designing and production. Students will seek assignments as well as complete designated assignments. Prerequisite: senior standing, consent of faculty and proven competence in chosen medium. Not available for the distributional requirement. Staff.

*Offered alternative years.

BR/J 102 Introduction to Journalism. The historical, political and social background of the print media. Organization and current status of newspapers, magazines, advertising and public relations. Basic introductory course for all print-oriented students. **Staff.**

BR/J 144 Newsgathering, Writing and Editing. An introduction to newspaper reporting. Basic writing and editing skills. Introduction to style of writing and proofreading, interviewing, beat covering, feature and editorial writing. Students invited to work on student newspaper. **Staff.**

BR/J 247 Feature Writing. A practical course in writing features for the printed media and the study of the variety of journalistic features by masters of the genre. Prerequisite: BR/J 144. **Staff.**

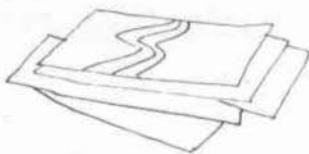
BR/J 248 The Writer's Journal. Students will study the techniques of keeping a journal and the usefulness of the journal as a tool for the creative writer. They will read selected journals such as those of Pepys, Swift, the brothers de Concourt, Gide, Green, Nin and Wilson, and will design and keep their own journals under the supervision of the instructor. **Staff.**

BR/J 340 Seminar in Journalism (a-d). Special problems in journalism such as the Supreme Court and Free Speech; the government and the press; the conflict of community and individual rights; manipulation of the news; censorship, etc. Prerequisite: BR/J 102. May be repeated. **Staff.**

BR/J 343 Advanced Newsgathering and Reporting (a-d). Advanced study and practice in covering beats and reporting news, writing and editing original copy, and investigative reporting. Student will complete a series of articles or reports on a story or topic of his or her choice. May be repeated. Prerequisite: BR/J 144. **Staff.**

BR/J 378, 379. Publishing and Editing. A course and workshop on editing and publishing newspapers, magazines, and books. Designed especially for student editors of the college newspaper, literary magazines, and yearbook, but open to others upon permission of the instructors. **Barnett and White.**

BR/J 380, 381 Production and Layout. A course and workshop on the production of newspapers, magazines, and books. Students will learn to use the IBM Electronic Composer, Plate-makers, and Offset Press and will learn how this equipment can be used in the production of printed works. Designed especially for student staff members for college publications but open to others upon permission of the instructors. **Staff.**



MATHEMATICS

Faculty: Soda (Chairman), Huesemann, Nichols

Requirements for the Major

The requirements for a major in Mathematics include the following courses: Calculus I, II, III, IV (MTH 171, 172, 303, 304); Introduction to Computer Programming (MTH 180); Linear Algebra I, II (MTH 315, 316); Algebraic Structures I (MTH 321); and two Mathematics electives numbered above 300.

Courses of Study

MTH 101 Concepts of Mathematics. An introduction to mathematical reasoning including numeration systems, sets, mathematical systems, relations and functions. Huesemann.

MTH 102 Finite Mathematics. An elementary introduction to symbolic logic, counting theory, probability and statistics, vectors, matrices, computers and geometry. Huesemann, Nichols.

MTH 103 Algebra and Geometry. A pre-calculus course including the algebra of real and complex numbers, vector algebra, inequalities and matrices. Huesemann, Nichols.

MTH 104 Trigonometry and Elementary Functions. A study of polynomial functions, trigonometric functions, analytic geometry and intuitive introduction to differential and integral calculus. Huesemann, Nichols, Soda.

MTH 171, 172 Calculus I, II. A first study of functions on the real number system. Differentiation and integration are developed and used to study rational, trigonometric and exponential functions. Huesemann, Nichols, Soda.

MTH 180 Introduction to Computer Programming. An introduction to the functions and uses of the digital computer. Fortran programming is studied and programming exercises are tested and run on the computer. Lab fee \$15. Staff.

MTH 301 Differential Equations. A short course in ordinary differential equations including first order equations, linear differential equations, the Laplace Transform, and series solutions. Prerequisite: MTH 172 or the equivalent. Nichols.

MTH 303, 304 Calculus III, IV. The completion of one variable calculus is followed by a first study of functions of several variables done mainly in the 2-dimensional setting. Topics studied include Taylor's series, differential equations, vectors in the plane, partial derivatives, transformations, line integrals, multiple integrations, Green's theorem inverse and implicit function theorems. Prerequisite: MTH 172 or the equivalent. Nichols, Soda.

MTH 305, 306* Analysis I, II. An intensive study of functions of one and several variables including the following: normed vector spaces and their

topology, series, one variable integration and its applications, calculus in vector spaces, ordinary differential equations, multiple integration. Prerequisite: MTH 304, 315 or equivalent. Soda.

MTH 315, 316 Linear Algebra I, II. A study of the basic aspects of finite dimensional real vector spaces and linear mappings between them. This includes the following: vector spaces, linear maps, matrices, determinants, bilinear mappings and forms, diagonalisation of certain classes of matrices, relations to geometry. Prerequisite: MTH 172 or equivalent. Nichols, Soda.

MTH 321, 322* Algebraic Structures I, II. A first course in modern algebra including the integers, groups, rings and fields, the classical groups, Galois theory. Prerequisite: MTH 315 or equivalent. Nichols, Soda.

MTH 339* Geometry. Euclidean and Non-Euclidean Geometry. Prerequisite: MTH 315 or equivalent. Soda.

MTH 332 Topology.

MTH 339* Geometry. Euclidean and Non-Euclidean Geometry. Prerequisite: MTH 315 or equivalent. Soda.

MTH 332* Topology. Topological spaces, metric spaces, connected and compact spaces, continuous functions, product spaces, separation axioms, complete metric spaces, fundamental groups and covering spaces. Prerequisite: MTH 304 or equivalent. Nichols, Soda.

MTH 341* Probability. A first course in the theory of probability including combinatorial analysis, probability spaces, conditional probability, stochastic independence, Bayes' theorem, random variables, distribution, the law of large numbers, and the central limit theorem. Prerequisite: MTH 172 or equivalent. Nichols, Soda.

MTH 342* Mathematical Statistics. An introduction to the theory and applications of mathematical statistics including the following subjects: sampling, discrete and continuous distributions, hypothesis testing and regression analysis. Prerequisite: MTH 172 or equivalent. Nichols, Soda.

MTH 351, 352* Numerical Analysis. This course will treat the solution of linear and non-linear equations, numerical integration, numerical differentiation, the theory of approximation, and the numerical solution of differential equations. Prerequisite: MTH 304 or equivalent. Soda.

MTH 360* Fortran Programming II. This course is sequel to an introductory Fortran programming course. The use of arrays, subprograms and auxiliary storage techniques will be fully developed. In addition the student will write programs utilizing certain IBM 1130 subroutine packages such as the Commercial Subroutine Package, the Scientific Subroutine Package or the Statistics Package. Prerequisite: MTH 180, BA 321 or the equivalent. Soda.

MTH 370 Assembly Language Programming. This course will cover the GA/1830 Assembly Language and assembly language techniques. Among the topics covered will be input/output operations, binary and hexadecimal arithmetic, data structures, storage of data, central processor operations, direct and indirect addressing, macro coding, and internal architecture of the central processor. **Prerequisite:** consent of instructor. **Huesemann.**

MTH 400 Field Study in Mathematics. This is an off-campus experience which provides an opportunity for students to relate their mathematical skills to a particular project. These are projects in area agencies and industries. The scope of the project will determine the academic credit which in every case is less than 2 credits. Primarily for juniors and seniors.

MTH 450 Internship in Mathematics (or Science). An off-campus experience open to senior mathematics (science) majors at various industries and agencies. This is an opportunity to participate in a large-scale interdisciplinary project. The academic credit (between 2 and 4 credits) will be determined by the scope of the project.

MEDICINE AND HEALTH

Faculty: Birge, Fisher, Nolan, Swift, Vavra, Wallace, Wochner

Biomedical Science Program

The Lindenwood Colleges and the St. Louis Department of Health and Hospitals, in conjunction with Washington University School of Medicine (Washington University Medical Service at St. Louis City Hospital), have formulated an agreement whereby Medical Nurse Practitioners can study for a B.A. or B.S. degree in Biomedical Science at The Lindenwood Colleges.

Appropriate staff members of the above affiliated institutions are adjunct faculty members of The Lindenwood Colleges. Only Registered Nurses are accepted into the City Hospital Practitioner training program. The Medical Nurse Practitioner functions effectively as a 'physician extender' in the delivery of primary medical care for the St. Louis Department of Health and Hospitals.

A typical program might include:

- (1) Nine courses of practicum credit for the R.N.
- (2) Liberal Arts transfer credit.
- (3) Nine courses of internship for the the Practitioner Program.
- (4) At least 9 liberal arts courses at Lindenwood.
- (5) Successful completion of the Lindenwood degree requirements.

Bachelor of Medicine Program

The Lindenwood Colleges, in cooperation with the St. Louis City Department of Health and Hospitals, and Washington University's Medical Services at St. Louis City Hospital, offer a course of study leading to the Bachelor of Medicine (B. Med.) degree awarded by The Lindenwood Colleges.

This program is designed to train health care personnel who will serve citizens of inner cities and remote rural areas where medical doctors are in short supply.

This interprofessional and interdisciplinary five-year program integrates clinical training in a hospital with academic studies in the liberal arts, science and medicine. The first part of the program emphasizes academic studies along with medical education foundation courses and seminars. In the later parts of the program, students concentrate on specially-designed medical and clinical courses taught by adjunct Lindenwood professors who are regular Washington University School of Medicine faculty members while simultaneously continuing their liberal arts education.

Most of the clinical training and the fifth year of internship is conducted at St. Louis City Hospital or a satellite clinic. In this way, the program interrelates the social sciences, humanities, and natural sciences with clinical and medical studies throughout the five years.

Upon successful completion of the program, the Health Associate will receive a B.Med. degree and be trained to provide the following kinds of primary medical care under the supervision of a practicing physician: Patient Health Evaluation; Medical Care Planning; Patient Education; Community Health Education.

General Education Requirements

The program leading to the B.Med. degree requires five years of study during which the student must meet the Lindenwood General Education Requirements: HUM 111 or 112 and two additional Humanities courses; three Social Science Division courses; one term of English Composition; and the Lindenwood Common Course. The following courses are prerequisites for clinical study and meet the Lindenwood General Education Requirements in the Division of Natural Sciences and Mathematics: MTH 103 and 104, or MTH 171 and 172; BIO 101 and 101L, 309 and 309L, 310 and 310L; CHM 151 and 151L, 152 and 152L. Advanced placement is available for qualified students.

Within the area of concentration students are required to complete four interdisciplinary seminars, one each of the first four years, including in some cases associated field observations: LWM 200 and 200L, LWM 202 and 202L, LWM 300 and 302. Clinical studies will begin in the third year and continue through a fourth and a fifth year.

with an internship in the fifth year. (The third year is a calendar year, i.e. September to August.)

Courses of Study

LWM 200 Healers and Persons. A study of civilization and disease. To better understand this fundamental relationship we will explore the development of the medical arts from their origins to their contemporary professional status; the roles of various types of healers, their patients, and their relationships; and the cultural, philosophical, and scientific approaches to the problem of disease. Students must also enroll in LWM 200L. Balog.

LWM 200L Healers and Persons Field Observation (4). Field investigation of healers and persons in medical settings. Students will travel to an urban community health center, a rural practitioner's office, a community hospital, a tertiary care center, a health maintenance organization, and a medical school research facility. Based on information presented on these visits, students will discuss contemporary health care and its relationship to topics of the seminar Healers and Persons. Mulley.

LWM 202 Institutions, Individuals, and Change. Organization and dynamics of communities, institutions, families, and individuals from the psychological and sociological perspective. Students will consider these topics and their relationships to contemporary and future health care. Specific issues to be considered include changes prompted by increasing emphasis on health maintenance and personal responsibility. Students must also enroll in LWM 202L. King and Bartholomew.

LWM 202L Institutions, Individuals, and Change Field Observation (4). Field visits related to organizations with impact on the health care field. Government agencies, third party payers, social service groups, and patient education facilities will serve as the focus for discussions on the future of health care. Mulley.

LWM 300 Community Health and Health Care Research. The presentation of material demonstrates that much of health and illness is rooted in the environment, both physical and social. Consideration will be given to the role of human dependency (aging, the very young, the poor, the disabled), environmental stress (crowding, housing, unemployment), environmental pollution (air, water, noise), and other factors affecting the growth and development of communities. Prerequisites: LWM 200 and LWM 202. Swift.

LWM 302 Organization and Administration of Health Care Systems. The presentation of ways in which organizational, political and economic structure of health care influences both provider and patient. This course emphasizes case studies of local, regional, and national health care delivery systems. The analysis of prospects and their promises of possible changes in health care financing

and management will also be presented. Prerequisites: LWM 200 and LWM 202. Swift.

Clinical Courses

LWM 300 level clinical courses are available to B.Med. students who have completed the first two years of the program and who have been reviewed by the Admissions and Retention Committee. These courses are offered at clinical facilities used by Washington University School of Medicine. Selection of courses is done with the guidance of the Program's Medical Director. Complete listing of these courses will be available during the 1978-79 year from the Medical Director.

Medical Technology

Faculty and Affiliations: The Lindenwood Colleges are affiliated with three hospitals having A.S.C.P. accredited programs in Medical Technology. Missouri Baptist, Jewish, and DePaul Hospitals accept a limited number of qualified Lindenwood student in their program each year.

The following hospital faculty have adjunct positions at The Lindenwood Colleges and a Lindenwood faculty member is a Medical Technology Education Adviser at the three hospitals:

JEWISH HOSPITAL: John S. Meyer, M.D.,
Adjunct Professor of Medical Technology.

Joyce A. Torrey, Adjunct Assistant
Professor of Medical Technology.

MISSOURI BAPTIST: Herbert B. Taylor,
Adjunct Professor of Medical Technology.

Judith Palermo, Adjunct Assistant
Professor of Medical Technology.

DePAUL HOSPITAL: John D. Bauer, M.D.,
Adjunct Professor of Medical Technology.

Mary Lois Gavin, Adjunct Assistant
Professor of Medical Technology.

THE LINDENWOOD COLLEGES: Patrick
F. Delaney, Jr., Ph.D., Medical
Technology Education Adviser.

Pre-Medical, Dental, Veterinary

Although a student planning a career in a medicine, dentistry or veterinary medicine may select a major in the sciences, it is not necessary to do so. A student should select a major in which he or she is sincerely interested. The adviser will indicate the courses in science and mathematics which are required for entrance into medical, dental or veterinary schools.

Most medical, dental and veterinary schools recommend the following science and mathematics courses: one year of inorganic chemistry, one year of organic chemistry, one year of physics, one year of biology and/or zoology, and mathematics through calculus. Some medical schools suggest in addition that students complete a course in anatomy, embryology or genetics.

By working closely with the adviser the student can be assured of completing the necessary prerequisites for admission to medical, dental and veterinary schools. The adviser assists the students with the application process for admission to professional school.

Bachelor of Science in Nursing

Requirements

Applicants must hold an Associate Degree in nursing or be a graduate of a hospital-affiliated diploma school of nursing and must hold a current licensure in Missouri.

Courses taken at an accredited college or university will be accepted as transfer credit provided grades are C or higher. Students scoring at or above the 50th percentile level on NLN achievement examinations will be granted Lindenwood Colleges credit for natural science courses not previously assigned college credit and for lower level nursing courses. A 2.5 cumulative grade point average must be achieved before students may enroll in the upper division nursing courses offered at The Lindenwood Colleges.

A minimum of 36 courses is needed to graduate. Nine of these must be taken at The Lindenwood Colleges.

Courses of Study

NUR 021 Crisis Intervention in Health Care (¼) (Elective). The course is designed to give the student an opportunity to study the theory of crisis and the principles of crisis intervention. Emphasis will be on how the principles are related to the practice of nursing.

NUR 022 Nursing Care in the Final Stage of Growth (¼) (Elective). The course is designed to discuss death, the final stage of growth. Suggestions for nursing the dying, dealing with the family and coping with the problems of the health team members themselves will be presented.

NUR 023 Drug Therapy: Physiological Basis and Nursing Implications (¼) (Elective). The course will present various drug groups, including some of the newer therapies. Emphasis will be on the physiological actions of the drug groups and the appropriate nursing implications when administering the drugs.

NUR 024 Quality Assurance in Nursing (¼) (Elective). The course discusses the various factors that contribute to quality assurance—staff education, motivation, conviction, and commitment. The methodology of quality assurance will also be presented.

NUR 025 Clinical Evaluation (¼). The course reviews the nursing process: assessment, planning, intervention, and evaluation. It presents the re-

lationship between the nursing process and the problem solving method and discusses how both can be incorporated into the nursing care plan. The clinical component includes an evaluation of the student's basic nursing skills and his/her ability to utilize the nursing process and nursing care plan.

NUR 026 Contemporary Issues in Nursing (¼). The course considers nursing in present day America. Moral, ethical and legal trends will be discussed as well as health care delivery systems and current trends in nursing education.

NUR 027 Methodology of Teaching-Learning in Patient Counseling and Health Education (¼). The course will present the principles of adult education and discuss the strategies for effective teaching. Planning and implementing innovative approaches to formal health teaching and various other aspects of nursing will be included.

Other Programs in Medicine and Health

Lindenwood also offers programs in cooperation with other institutions. For their descriptions, see the section on Special Academic Programs. These programs are:

The Bachelor's Degree Program for graduates of Schools of Nursing and Community College Graduates with an Associate Degree in Nursing.

The Bachelor's Degree Programs for graduates of Schools of Radiological Technology and Medical Laboratory Technicians.

The Academic Program for Nursing Students conducted at St. Luke's Hospital in St. Louis.

NUR 300 Assessment: Initial Step in the Nursing Process. Assessment will include physical, psychological, sociological, economical and spiritual aspects. The client, family, home and community will be assessed. Clinical component includes supervision of assessment skills. Prerequisites: NUR 025, 50% on the NLN examinations for lower level nursing courses, Natural Science requirements completed.

NUR 305 Health Care Delivery in Episodic Settings (1¼). The course relates the practice and theory of the nursing process to nursing and health care delivery in an acute care setting. Leadership theories and techniques are taught with application to various health care settings. Management skills including the planning, supervising and evaluating of care, plus the individuals responsible for administering the care are discussed. The utilization of research methods as they apply to the nursing process will also be presented. Prerequisite: NUR 367.

NUR 310 Health Care Delivery in Distributive Settings (1¼). The course relates the practice and theory of the nursing process to nursing and health

care delivery in community settings. Goals for discharge planning and how it affects continuity of care will be included. Special emphasis on the benefits to the patient and the steps in instituting a discharge planning program will be discussed. Prerequisite: NUR 300.

MUSIC

Faculty: Greenlaw (Chairman), Bittner, LaFata, Swingen. (Adjunct staff: Berg and Layton - flute; Coleman - clarinet and sax; Conover and Sadowski - strings; Eberhardt - accordion; Engelke - classical guitar; L. Greenlaw - organ; Schultz - brass; Wisneskey - bassoon.)

Requirements for the Major

The student who wishes to major in music may elect one of the following four degree programs: the B.M. (performance specialization), the B.M.E. (music education specialization with teacher certification), and the B.A. and B.S. degrees with majors in music (designed for specializations outside of performance or music education, such as music history and literature). Admission to the B.M. or B.M.E. programs is by jury audition.

Bachelor of Music

20 courses in Music as follows:
Theory — Music 302*, 303, 304
History of Music — Music 355, 356, 357
Literature of Music — 2 courses, chosen to suit major instrument of the student

Applied Music

Major instrument (5½ courses)
Minor instrument (1 course)

The minor instrument must be piano if the major instrument is not piano or organ. Piano or organ majors need not have a minor instrument and may elect an additional music course in another area if they so desire.

Ensembles (2 courses)
Electives in Music (3½ courses)

Bachelor of Music Education

18 courses in Music as follows:
Theory — Music 302, 303, 304
History of Music — Music 355, 356, 357
Conducting — Music 383, 384, 385, 386 (2)
Instrumental Techniques — Music 10, 12, 13, 14

Applied Music

Major instrument (4 courses)
Minor instrument (1½ courses)
The minor instrument must be piano if the major instrument is not piano or organ.
Ensembles (2 courses)
Electives in Music (1½ courses)

Bachelor of Arts or Science

12 to 16 courses in Music as follows:
Theory — Music 302*, 303, 304
History of Music — Music 355, 356, 357

Applied Music

Major instrument (2 courses)
Minor instrument (1 course)
The minor instrument must be piano if the major instrument is not piano or organ.
Ensembles (2 courses)
Electives in Music (1 to 5 courses)

*Successful completion of Music 101 or proficiency examination required for admittance to the course.

Career Opportunities

PERFORMANCE: B.M. degree.

MUSIC EDUCATION: B.M.E. degree program (provides certification to teach music in the public schools, grades K-12). For college, university or conservatory teaching, either the B.M., B.M.E., B.A., or B.S. degree might be pursued, depending upon the area of specialization. Graduate work would be essential. Electives and requirements are worked out on an individual basis.

CHURCH MUSIC: B.A. or B.S. degree with music major and religion minor, as outlined in catalog. Internship in a church music program in junior and/or senior year may be arranged.

MUSIC LIBRARIANSHIP: B.A. or B.S. degree with music major plus EDU 241, Library Administration; EDU 242, Cataloging and Classification; EDU 243, Reference and Bibliography; EDU 244, Selection and Acquisition of Library Materials. Internship in a library with a strong music collection in senior years may be arranged.

MUSIC BROADCASTING: B.A. or B.S. degree with a double major in Music and Broadcasting courses to be chosen with consent of the department. Music courses as outlined in catalog.

MUSIC JOURNALISM: B.A. or B.S. degree with a double major in Music and Journalism. Internship in a newspaper may be arranged.

MUSIC BUSINESS: Sales.

MUSIC ARTS MANAGEMENT: For careers in music sales, concert and arts management, the B.A. or B.S. degree with a music major should be pursued with additional courses in Business Administration chosen on an individual basis through the advice of the Business Department. Internships may be arranged.

MUSIC THERAPY: B.A. or B.S. degree with a double major in Music and Psychology. Graduate work essential.

Courses of Study

In addition to the standard course offerings in music listed below, the student may include independent study, field study and an internship as part of the major program of study. The January Term provides opportunities for specialized courses in music and for study abroad by enrollment in the European Music Seminar.

MUS 100 Introduction to Music. A course designed for the student not concentrating in music but who wishes to increase his enjoyment and understanding of music. Swingen.

MUS 101 Introduction to Music Theory. Fundamentals of harmony, sight-singing and dictation. LaFata.

MUS 200J European Music Seminar: Vienna and Other European Cities (January). Visits to historic concert halls, opera houses, cathedrals, palaces and homes where great composers lived and worked. Preparatory readings, attendance at concerts, recitals, operas, and ballets with discussions following. (Alternate years) Greenlaw.

MUS 210J Vocal Chamber Music Workshop. Intensive rehearsal, analysis, and performance of vocal chamber music for members of Madrigal Singers. Greenlaw.

MUS 270* Piano Pedagogy. A course designed for the student interested in maintaining his own private studio. A study of pedagogical techniques, graded literature and materials and other problems related to the teaching of private lessons in piano Swingen.

MUS 302 Theoretical Foundations of Music. Further development of skills in harmony, sight-singing and ear training. Prerequisite: MUS 101 or equivalent proficiency. LaFata.

MUS 303, 304 Theoretical Foundations of Music. A continuation of MUS 302, in which principles of musical composition are approached from the bases of both theoretical and historical development. Further work in harmony, sight singing and ear training. Studies in counterpoint and form and analysis. Prerequisite: MUS 302. Bittner.

MUS 321T, 322T* Piano Literature. A study of the complete solo piano compositions of major composers from the Baroque period to the present. Standard works chosen from the concert repertoire will receive an analytical and stylistic study. Use of the keyboard and extensive listening assignments will be an integral part of the course. Prerequisite: Consent of the instructor. Bittner.

MUS 355* History of Music I. Medieval through Classical periods. Swingen.

MUS 356* History of Music II. Romantic period. Swingen.

MUS 357* History of Music III. Contemporary period. Bittner.

(MUS 355, 356, 357 provide a history of music from its origins in the Near East and Ancient Greece to the present day and includes the evolution of musical style. As a prerequisite for all of the courses in music history, some previous academic work in music is required, or the consent of the instructor.)

MUS 383 Conducting I (½)

MUS 384 Conducting II (½)

MUS 385 Conducting III (½)

MUS 386 Conducting IV (½). Score reading, conducting techniques, rehearsal procedures, organizational problems, selection of repertoire, and arranging. Prerequisite: MUS 302, or consent of the instructor. Greenlaw.

Applied Music

Piano Class (beginners only)(½)† Swingen

Piano (private lessons)(¼, ½, ¾, or 1)† Bittner and Swingen.

Organ (private lessons)(¼, ½, ¾, or 1)† L. Greenlaw.

Voice (private lessons)(¼, ½, ¾, or 1)† LaFata.

Orchestral Instruments (private lessons)(¼, ½, ¾, or 1)† as follows:

Violin, Viola — Sadowski, Conover.

Cello, Double Bass — Staff.

Flute, Piccolo — Berg.

Oboe, English Horn — Staff.

Bassoon — Wisneskey.

Clarinet, Saxophone — Coleman.

French Horn, Trumpet, Trombone — Schultz.

Classical Guitar — Engelke.

Accordion — Eberhardt.

†Credit:

¼ course credit is given for one half-hour lesson per week.

½ course credit is given for one hour lesson per week.

¾ and 1 course credit, available only to students in the B.M. program and in the junior and senior years respectively, is given for one and one-half hours and two hours of private instruction per week.

The content of courses in applied music is listed below for the guidance of the student. It is a flexible rather than rigid description of the course requirement. All students enrolled in applied music for credit will perform before a faculty jury at the end of each long term. All music majors must pass a piano proficiency examination before examination. All music majors are required to enroll and participate in at least one ensemble each long term. B.M. and B.M.E.

candidates are required to perform in a solo capacity in a student recital or the equivalent each long term.

Recitals, concerts and other programs sponsored by the Music Department are an integral part of the applied music program for the music major. Credit in applied music may therefore be withheld or reduced if an adequate attendance record at these events is not maintained by the student majoring in music.

Applied Music Requirements for B.M.

B.M. candidates must pass one level each year in the major instrument and present full recitals in the junior and senior years. Recitals shall be presented only with the consent of the faculty of the Music Department.

Applied Music Requirements for B.M.E.

B.M.E. candidates must pass the second level in the major instrument before graduation and may, at the discretion of the instructor and the Music Department faculty, present a recital in the senior year.

Applied Music Requirements for B.A. or B.S. with a major in music and for non-music majors

Work for these students will be outlined by the instructor to meet individual needs and aims; thus, they will not be required nor expected to follow the specific descriptions of the levels listed in the catalog.

Voice

- Level One — easy classic songs in English and Italian.
- Level Two — Italian, German, French and English songs and easier arias from opera and oratorio literature.
- Level Three — Classic, romantic and modern song literature and more advanced arias from opera and oratorio.
- Level Four — An accumulated repertoire sufficient to present a full recital, with works in at least three languages.

Piano

- Level One — Representative works from the classic and romantic periods.
- Level Two — A Bach Invention; Mozart, Haydn, or Clementi sonatas.
- Level Three — Prelude and Fugue by Bach, Continuation of classical literature. Sonata by Beethoven.
- Level Four — A larger work by Bach. A solo work by a 19th century composer. A solo work by a 20th century composer.

Other Instruments

To be determined by the individual instructor along the lines noted above for Voice and Piano.

MUS 10* Instrumental Techniques: Strings (¼). The teaching of violin, viola, cello, and bass in the classroom. Bittner.

MUS 12* Instrumental Techniques: Woodwinds (¼). The teaching of the clarinet, flute, oboe, saxophone, and bassoon in the classroom. Bittner.

MUS 13* Instrumental Techniques: Brass (¼). The teaching of the trumpet, trombone, and horn in the classroom. Schultz.

MUS 14* Instrumental Techniques: Percussion (¼). The teaching of percussion instruments in the classroom. Bittner.

MUS 15* Piano Pedagogy Workshop (¼). Practical application of techniques learned in MUS 270 (Piano Pedagogy) under supervision of the Chairman of the Preparatory Division of the Music Department. Prerequisite: MUS 270 and concurrent enrollment in MUS 2. Swingen.

Musical Organizations

MUS 20 Choir (¼). Open to all students. Greenlaw.

MUS 40 Vocal Chamber Music Ensemble (¼). Open to all students by audition. Greenlaw.

MUS 60 Orchestra (¼). Open to all students who play orchestral instruments, by audition. Greenlaw.

MUS 70 Band (¼). Open to all students who play woodwind, brass or percussion instruments, by audition. Staff.

MUS 80 Instrumental Chamber Music Ensembles (¼). Open to all students by audition. Staff.

NOTE: Only the following courses are available for distributional requirement-

- MUS 100 Introduction to Music
- MUS 101 Introduction to Music Theory
- MUS 200J European Music Seminar

NATURAL SCIENCES AND MATHEMATICS

Courses of Study

SCI 160* The Space Frontier.

Natural Sciences and Mathematics

Courses of Study

SCI 160* The Space Frontier. An interdisciplinary study of the scientific problems in our examination of outer space. The interactions of biology, chemistry, mathematics, medicine and physics in man's space adventures will be discussed. Prerequisite: one year of biology, or chemistry, or mathematics, or permission of the instructor. **Bosmann.**

SCI 101, 102 Introduction to Science. An interdisciplinary course which looks at everyday situations and develops from them some of the principles of biology, chemistry, mathematics, physical education and physics. Some of the topics include respiration, gases, motion and heredity. Staffed by the faculty of the Division of Natural Sciences and Mathematics.

SCI 201, 202 Physical Science Concepts. A treatment of the concepts of the physical world, encompassing astronomy, physics, chemistry and geology with attention to how these concepts are related and dependent upon each other. Labs for SCI 201 and 202 are available as requested. For elementary teacher trainees. Lab fee \$15. **Brescia and staff.**

SCI 370* Natural Science Seminar. Special topics of an interdisciplinary nature are covered. Topics may vary from year to year. Prerequisite: junior or senior science major or permission of instructor. **Staff.**

PHILOSOPHY

Courses of Study

PHL 100 Introduction to Philosophy. This course is designed to introduce the student to the activity of doing philosophy by studying the ways a number of important philosophical schools have attempted to answer such major questions as proofs for the existence of God, the challenges of science and materialism to free-will, and the nature of human nature. **Staff.**

PHL 200* Aesthetics. A survey of the philosophies behind various approaches to such media as film, music, painting, sculpture, poetry and literature is combined with a study of some special problems in current and classical aesthetics. **Staff.**

PHL 301* Ethics. A study of selected original writings representing both the major classical the-

ories of moral value and also of contemporary theories of meta-ethics. Class discussions focus on the practical application of these theories to the problems of modern life. **Staff.**

PHL 202* Logic. A study of the principles of correct thinking. The methods of inductive and deductive thinking are examined, as a foundation for exactness in thinking and for precision in the use of terms and propositions. **Staff.**

PHOTOGRAPHY

Requirements for the Major

The student who wishes to major in photography may complete the following program leading to the B.A. or B.S. degree, or may elect photography as an area of emphasis within the studio art program leading to the B.F.A. degree.

The requirements in addition to those specified elsewhere for the B.A. or B.S. degree include: ART 106, ART 236, two studio courses (other than photography) and three courses in art history. Seven studio courses in photography: ART 184, ART 284, ART 384 and ART 302 (four full-credit courses).

General requirements include: one course each in mathematics, chemistry, aesthetics and criticism.

Facilities and Activities

In addition to the standard offerings in photography, the student may include independent study, field study and an internship as part of the major program of study.

Facilities for the developing of black and white film, and the printing and mounting of photographs are provided in the photography laboratories in Young Hall.

Courses of Study

ART 184 Beginning Still Photography. An introduction to the basic principles of still photography, basic camera and darkroom techniques. The emphasis in the course is on the photographic image and on learning to see photographically. Lab fee \$10. **Staff.**

ART 225* History of Photography. A history of the technological and esthetic developments in photography from 1830 to the present day. Photography will be considered in the context of major movements in the visual arts during the 19th and 20th centuries. **Eckert.**

ART 284 Intermediate Still Photography. The student will study the work of selected photogra-

*Offered alternative years.

phers and select the work of one photographer for thorough criticism and analysis. Students will also complete assignments in photography and submit a portfolio of photography. Prerequisite: Two full-credit courses of studio art and ART 184. Lab fee \$10. Staff.

ART 302 Selected Design Problems: Photography. Problems on photography as an extension of study beyond the normal course limitation. Work done in fulfillment of this course can be done within existing class structures combined with individual study. Prerequisite: ART 284. Lab fee \$10. Staff.

ART 384 Problems in Photography. An advanced course for the experimental photographer. The student will complete assignments involving experimentation with and manipulation of the photographic image. In addition, the student will design and complete a major project and submit a portfolio of mounted photographs. Prerequisites: two full-credit courses in studio art and ART 284. Lab fee \$10. Staff.

PHYSICAL EDUCATION

Faculty: Ebest (Chairman), Amonas, Bittner, Craig.

Requirements for the Major

Physical education classes are open to both men and women unless otherwise designated. A physical education major is offered with four different emphases, or any combination thereof: teacher certification (physical education and health), community and outdoor education, horsemanship, and modern dance. The physical education major program requires the completion of the general college requirements, plus PE 305, 319, 7A, B, C, & D, and the completion of requirements for appropriate field of specialization.

Teacher Certification

Fulfilling education requirements for certification, completion of requirements for physical education major, plus the following courses:

- PE 2 Gymnastics (¼)
- PE 30 Sr. Lifesaving (¼)
- PE 17 Basic Conditioning (¼)
- PE 50 Psychology of the Athlete (¼)
- PE 51 History and Principles of Physical Education (¼)
- P.E. 52 Tests and Measurements in Physical Education (¼)
- PE 73 Personal Health (¼)
- PE/EDUC 74 Physical Education in Elementary Schools (¼)
- PE 304 Organization and Administration of Physical Education (1)
- PE/EDUC 315 Techniques of Teaching Sports (1)
- PE/EDUC 316 Techniques of Teaching

- Sports (1) or PE 376 Techniques of Teaching Horsemanship (1)
- PE 350 Adaptive Physical Education (1)
- PSY 102 Human Development (1)

Plus three additional physical education activity courses, one being dance (¼-1). Teacher Certification in Health is offered in conjunction with teacher certification in Physical Education. The following are additional courses needed: BIO 386 Nutrition; PE 321 Teaching of Health; PSY 103 Abnormal Psychology.

Physical Education Community and Outdoor Education Emphasis for Physical Education Major

Completion of requirements for the physical education major, plus the following courses:

- PE 200 School and Community Recreation (1)
- PE 204 Camp Counseling and Outdoor Education (1)
- PE 206 History and Principles of Physical Education and Recreation (1)
- PE 304 Organization and Administration of Physical Education (1)
- PE/EDUC 315 Techniques of Teaching Sports (1)
- PE 316 Techniques of Teaching Sports (1)
- PE 350 Adaptive Physical Education (1)
- EDUC 12 Music in Elementary Schools (¼)
- EDUC 14 Art in Elementary Schools (¼)
- PE/EDUC 74 Physical Education in Elementary Schools (¼)
- PE 450 Internship in Recreation (2 to 4)

Completion of 8 activity courses, including intermediate swimming, but excluding Activity Labs I, II, III, IV. Highly recommended: Sr. Life Saving and W.S.I.

Horsemanship Emphasis

Completion of requirements for physical education major, plus the following courses:

- PE 6 Riding (8 activity courses)(4)
- PE 15 Equine Theory Lab (¼)
- PE 77 Equine Nutrition (¼)
- PE 82 Principles of Teaching Equitation (¼)
- PE 83 Principles of Teaching Equitation II (¼)
- PE 275 Stable Management (1)
- PE 276 Equine Disease and Lameness (1)
- PE 304 Organization and Administration of Physical Education (1)
- PE 376 Techniques of Teaching Horsemanship (2 to 4) Optional

In addition to the above, the following courses are recommended for the Horsemanship emphasis:

- BA 102 Principles of Accounting
- BA 104 Business Law

BA 303 Business Correspondence and Reports, or
BA 444 Human Resources in Business
CA 190 Effective Speaking
PE 350 Adaptive Physical Education
PSY 101 Interactive Psychology, or
PSY 302 Behavior Modification
SOC 102 Basic Concepts in Sociology

A student majoring in a department outside of Physical Education can also receive an emphasis in Horsemanship with the following courses:

PE 6 (6 activity courses), PE 15, PE 71, PE 77, PE 275, PE 276, PE 281, PE 304, PE 376, and PE 350, with SCI 101 & 102 as suggested divisional elective.

Modern Dance Emphasis for Physical Education Majors

Completion of requirements for Physical Education major, plus six courses in dance studio, two courses in dance history, and the following:

PE/DAN 25 International Folk Dance (½)
PE/DAN 27 Analysis of Rhythm and Movement (½)
PE/DAN 28 Ballroom Dance (½)

Choose from:

PE 70, 80, 90 Modern Dance Technique
or
DAN 170, 280, 390 Modern Dance Technique (2½)

DAN 281 Dance Composition I (1)
DAN 285 Historical Theatre Dance (1)
DAN 286 Dance History (1)
DAN 287 Dance in the 20th Century (1)

Courses of Study

PE 50 Psychology of the Athlete (¾). A theory course which examines the athlete's psychomotor mechanisms, motivations, stress, anxiety, frustrations and their effects on performance. Staff.

PE 51 History and Principles of Physical Education (¾). Discussion of the history, basic concepts and contemporary problems in physical education and their philosophical implications. Identification and understanding of significant persons, institutions and events which contribute to the evolution of present day games, dance and sport. Craig.

PE 52 Tests and Measurements in Physical Education (¾). Survey of the development, evaluation and application of tests in Health and Physical Education. Use and interpretation of statistical techniques in terms of their statistical strengths and weaknesses. Ebest.

PE/EDU 73 Personal Health (¾). Foundation course in health. Ebest.

PE/EDU 74 Physical Education in Elementary Schools (¾). Curriculum planning, organization and teaching of a sequential physical education program for grades K-8. Lecture and activity. Ebest/Craig.

PE 75, 76 Officiating Techniques I and II (¾ course each). Rules, officiating techniques, practice, and procedures to receive ratings in sports. Craig.

PE 200* School and Community Recreation. The philosophy of recreation as well as organization and administration of recreation on federal, state, and local levels. Emphasis on programs in schools and communities. Craig.

PE 204 Camp Counseling and Outdoor Education. Study of the aims, objectives, and philosophy of camping and outdoor education. Discussion of family, school and organized camping, effective leadership and the role of the cabin counselor with practical experience in all aspects of camping and outdoor education. Craig.

PE 304 Organization and Administration of Physical Education. Administration of physical education in schools and colleges. Includes and relates to the general education program, the organization of the basic instructional, athletic and intramural programs. Prerequisite: PE 51 or consent of instructor. Staff.

PE 305 Kinesiology. A study of the scientific principles of human motion with regard to the action of the muscles and physics. An anatomical and mechanical analysis of activities designed to promote improvement of performance. Prerequisite: BIO 309 and 310 or consent of the instructor. Ebest.

PE 315, 316 Techniques of Teaching Sports. Class organization, objectives, methods, analysis of skills, test development, logical progressions and effective yearly, unit, weekly and daily planning. Prerequisite: consent of instructor. Craig.

PE 319 Care and Prevention of Athletic Injuries. A theory and laboratory course dealing with the prevention, first aid and care of athletic injuries. Staff.

PE/EDU 321 Teaching of Health. Course includes the study of classroom material, methods, effective health and safety instruction, curriculum and resources to provide an integrated and creative approach to teaching health. Prerequisite: PE/EDU 73 or consent of instructor. Craig.

PE 350 Adaptive Physical Education. Organization, teaching methods and practical experience for the rehabilitation of conditions caused by trauma, disease or congenital malformations. Prerequisite: BIO 309 and 310 or consent of instructor. Craig.

Horsemanship Emphasis

PE 15 Equine Theory Lab (¼). Preparing a horse for show, including safety practices, simple first aid for horses, driving a horse in harness, care and maintenance of horses, equipment, etc. **Bittner.**

PE 77 Equine Nutrition (½) (Fall Term Evening). Feeds and feeding of light horses for the layman. Identification and discussion of feeds and vitamin-mineral supplements; the value of feeds and the formulation of horse rations including nutritive requirements for various body functions. **Staff.**

PE 82 Principles of Teaching Equitation I (½). Actual instruction of one beginning rider in hunt, saddle or stock seat equitation. Application of principles learned in PE 376. Prerequisite: PE 376. **Bittner**

PE 83 Principles of Teaching Equitation II (½). Practical experience in the instruction of a beginning horsemanship class. Application of principles and techniques learned in PE 376 and PE 82. Prerequisite: PE 376 and PE 82. **Bittner.**

PE 210A (January) Hunter Seat Equitation. Intensive study of theory, cross country, dressage and jumping. The course is taught by superbly trained Mexican cavalry officers with the noted author Margaret Cabell Self as consultant. San Miguel, Mexico. **Bittner.**

PE 210B (January) Hunter Seat Equitation. Continuation of 210A.

PE 275 Stable Management. Planning and maintenance of the horse establishment and equipment for the camp, school, private or public stable. Organization of stable routine, employee management and feeding schedules. Buying and selling of horses as well as preparation for the show ring. Prerequisite: current enrollment in horsemanship activity course. **Bittner.**

PE 276 Equine Disease and Lameness (Spring Term Evening). Basic principles of horse health and disease with an emphasis on diagnosis, prevention and control of infectious and non-infectious diseases. Discussion of simple first aid practice, lameness and treatment before the arrival of the veterinarian. **Staff.**

PE 281 History of Selected Light Breeds. Survey of the history and development of prominent breeds of light horses such as the American Quarter horse, American Saddle horse, Arabian, Morgan Standardbred, Tennessee Walking Horse and Thoroughbred. Breed organizations and current rules and regulations as well as the current status and present day usage will be discussed. **Bittner.**

PE 282J Dressage. In order to develop more finesse in the realms of advanced horsemanship, this course will serve as a basic introductory course into the art of precision training for both horse

and rider. Development of the natural movements of a horse through the proper execution of school figures and training exercises will be accomplished by teaching the horse to obey the rider's commands through the use of natural aids. The principles of collection, extension, bending, flexing, impulsion, obedience, balance and good hands will be taught in order to improve the physical form of both horse and rider and to increase the rider's sense of agility and security. Available for intermediate and advanced riders only. **Staff.**

PE 376 Techniques of Teaching Horsemanship. A survey of teaching techniques and skills for use in hunt, saddle and stock seat equitation. Selection and care of the proper mount and equipment for private, camp, school or show purposes. Discussion of horse psychology and types of students and judging techniques. Planning of a camp or school riding program as well as practical experience in planning a recognized horse show. Prerequisite: PE 275. **Bittner.**

PE 450 Internship in Horsemanship/Recreation (2-4 credits). Apprenticeship or field experience in horsemanship.

Modern Dance Emphases (see Dance for course descriptions)

Physical Education Activities Program

In conjunction with the required activity program, an extramural program in individual, dual and team sports is conducted. Opportunity is given for students to engage in some form of competitive or recreational activity. A large variety of activities is offered throughout the year to meet the needs and interests of the students.

One-half course credit in a physical education activity is required for graduation. It is recommended that this requirement be met during the freshman year. Independent study projects in physical activity can also be arranged.

Every student has an opportunity to become a participating member of one or more clubs and organizations, according to special interests. The Athletic Department sponsors such extracurricular activities as Beta Chi for riding, field hockey, soccer, volleyball, basketball, gymnastics, softball, baseball and tennis teams.

The following activity courses are offered two hours a week for ¼ credit unless otherwise noted:

1. Tennis
 - A. Beginning
 - B. Intermediate
2. Gymnastics
3. Swimming
 - A. Non swimmers (Red Cross training, beginner and advanced beginner)
 - B. Swimmers (Red Cross training, intermediate and advanced)
 - C. Senior Life Saving
 - D. Water Safety Instruction

4. Softball
5. Archery and Badminton
6. Riding
 - A. Saddle Seat (\$110 for ¼ course, \$160 for ½ course)
 - B. Hunt Seat (\$110 for ¼ course, \$160 for ½ course)
 - C. Stock Seat (\$110)
 - D. Dressage (\$110 for ¼ course, \$160 for ½ course)
7. Activity Labs

Fall 1978: Archery, Tennis, Badminton, Square Dance

Spring 1979: Table Tennis, Shuffleboard, Gymnastics, Softball

Fall 1979: Soccer, Field Hockey, Paddleball, Volleyball

Spring 1980: Basketball, Bowling, Track, Field
8. Golf
9. Cycling
10. Hunting and Shooting (\$35 fee)
11. Bowling (\$7.50 fee)
12. Women's Basketball
13. Coed Volleyball
14. Roller Skating
15. Equine Theory Lab
16. Snow Skiing
17. Basic Conditioning
18. Karate (Approx. \$25 fee)
19. Beginning Modern Dance (¼)
20. Intermediate Modern Dance (¼)
21. Advanced Modern Dance (¼)
25. International Folk Dance I (¼)
26. International Folk Dance II (¼)
28. Ballroom Dance (¼)

PHYSICS

Faculty: Bormmann.

Courses of Study

PHY 151, 152* Introductory Physics I, II. An examination of the fundamental principles of mechanics, heat, sound, light, electricity and magnetism using algebra and the application of these principles to the world about us. Bormmann.

PHY 303, 304* General Physics I, II. By the application of calculus to the definitions, the fundamental principles of physics are simplified. Topics covered in this course include mechanics, heat, light, sound, electricity, magnetism and nuclear physics. Prerequisite or concurrent registration: MTH 171 or equivalent. Bormmann.

PHY 151L, 303L Physics Laboratory (¼). Physics experiments to demonstrate the principles presented in PHY 151 and 303. Prerequisite or concurrent registration: PHY 151 or 303. Lab fee \$15. Bormmann.

PHY 152L, 304L Physics Laboratory II (¼). Physics experiments to demonstrate the principles presented in PHY 152 and 304. Prerequisite or concurrent registration: PHY 152 or

304. Lab fee \$15. Bormmann.

Graduate Study

PHY/MTH 510T, 511T Mathematical Physics I, II. This is a course for persons with no, or minimal, training in calculus and physics. The course integrates calculus and physics using the physics to demonstrate the applications of calculus and vector concepts and the calculus to facilitate the understanding of physics. During each term at least one of the following physics topics will be covered: mechanics, thermodynamics, light, sound, electricity and magnetism. Prerequisite: permission of instructors. Bormmann and Soda.

POLITICAL SCIENCE

Faculty: Williams (Chairman), Wier.

Requirements for the Major

The requirements for both the B.A. and B.S. degrees with an area of concentration in Political Science include 8-12 courses in the Department of Political Science and 2-4 courses in other departments of the Social Sciences Division. Requirements for a degree in Political Science also include American National Government, PS 155; two courses in Comparative Politics; and two courses from the history of Political Theory. For the B.S. degree, Social Science Statistics, SS 210, is required.

Courses of Study

PS 100 Introduction to the Study of Politics. Overview of the discipline of political science in terms of perennial political problems and some major approaches to them. Staff.

PS 155 American National Government. Principles, structures, and processes of the American political system on the national level, and evaluation of their current applications through selected policies. Williams.

PS 200* The American Presidency. Analysis of the functions and powers of the office and role of the President in the political process. Wier.

PS 206* Community Political Systems. An examination of the sources, structures, and expressions of political power at the subnational level in the United States: the effectiveness of state and city governments as decision and policy making units and various approaches to study of community political leadership; major problems posed by urban and suburban development. Wier.

PS 210 Democracy and Elitism. Introduction to the basic principles of democratic government and of rule by elites. This will be followed by case studies of leadership and decision-making, especially in American politics, to assess the various roles

and degree of influence of select minorities in democratic politics. Williams.

PS 211, 212* Comparative Politics. Comparative analysis of selected political systems. PS 211 will ordinarily examine the structural policies, and political processes of Great Britain, France, and West Germany. PS 212 will study the Soviet Union and selected East European political systems. Wier.

PS 220 Public Policy. The Field of Policy Studies investigates causes and consequences of policy decisions. The application of Social Science Knowledge to the solutions of practical problems directly links Political Science to human welfare. Staff.

PS 221 History of Political Ideas I: Classical political philosophy, especially Plato's Republic and Aristotle's Politics. Williams.

PS 222 History of Political Ideas II: The Modern Age, Machiavelli to the 20th Century. Williams.

PS 225 Legislative Processes. Organization, procedures and structures of decision making in the United States Congress, including extra-Congressional influences on policy making; examination of the various techniques of legislative analysis. Wier.

PS 230 Marxism. An introduction to the essentials of Marxism primarily through readings of Marx, Engels and Lenin. Williams.

PS 235 Political Parties. Organization, functions and development of American political parties; activities and influence of interest groups on party structure and policies, analysis of major concepts of voter motivation and behavior. Wier.

PS 240* Public Opinion. The theory and methodology of public opinion and political behavior. The basis of opinion formation, and the linkage of public opinion to political belief and institutions are analyzed. Staff.

PS 241 The American System of Justice. The foundations of justice in the American Constitution. Comparisons with other systems and structures, the place of criminal justice in the context of the total scope of government. Wier.

PS 244 American Political Ideologies. Major current political ideologies in the United States with a survey of the values and ideas that historically have been most influential in American political life. Williams.

PS 250* International Relations. Examination of major topics in contemporary international affairs. Wier.

PS 260 Politics of Developing Areas. A survey of nation-states of Africa and Latin America; the roles played by traditional and emerging elites, the military, and mass party movements in modernizing the political systems. Wier.

PS 275* International Organizations. A study of historical and contemporary international organizations as an alternative to the state system; organization and development of League of Nations, United Nations, EEC, and Organization of American States as well as major military international organizations, such as NATO and SEATO. Wier.

PS 281* 19th Century Political Theory. Methodological and doctrinal theories involving historical and scientific methods. Williams.

PS 282* Ideologies of the 20th Century. Ideologies of major political impact on the 20th century, such as Communism, Fascism, Nazism and Liberal Democracy. Williams.

PS 285 Mass Society and Politics: Jose Ortega y Gasset. The political effects of contemporary mass society seen within a system of past and present. Williams.

PS 290 Contemporary Approaches to the Study of Politics. Examination of several of the major themes and ways of thinking about politics today. Williams.

PS 295 Political Socialization. Study of the process governing the origin and development of political beliefs and ideas in children and adolescents. Staff.

PS 296 Seminar Topics in Political Science. Content to be specified in each offering. Generally for current affairs or special problems. Staff.

PS 305 The American Constitution I: Constitutional Law. The development of the Constitution through the analysis of major Supreme Court cases. Williams.

PS 306 The American Constitution II: The Supreme Court. The Supreme Court as a judicial system. Study of justices and their roles in decision-making with major emphasis on civil liberties and civil rights of Warren and Burger courts. Williams.

*Offered alternative years.

PSYCHOLOGY

Faculty: Evans (Chairman), King, Nelson

Requirements for the Major

The B.A. and B.S. degrees are available in Psychology for both day and evening students. The requirements for a major include 8-12 courses in Psychology and 2-4 courses in other departments of the Social Sciences Division. These courses are required for psychology majors: SS 210, PSY 100, PSY 300, and a field study in Psychology (PSY 401, 402, 403, or 404). It is strongly recommended that at least one psychology elective be chosen from the following: PSY 330, PSY 332, PSY 334, PSY 335, PSY 336. It is also recommended that students who plan to pursue graduate study in psychology take at least two electives from this list.

Students majoring in psychology may also elect to pursue the Human Resources Administration Program by including PSY 324 in their electives and developing a seven course minor emphasis in Business Administration: BA 102, BA 204, BA 220, BA 240, BA 341, BA 300, BA 348.

A cooperative program between Lindenwood and The Merrill-Palmer Institute (see off-campus studies) provides the Lindenwood students with additional options in their psychology major, particularly in the areas of developmental psychology and human relations.

Courses of Study

PSY 31* Creative Problem Solving (½)(Day and Evening Sections). An intensive experience designed to develop an understanding of the processes of problem solving and creativity. Students will be directly involved in activities through which they can explore and expand their own creativity in solving everyday problems encountered in management, decision making, working and living. (A previous course in psychology is recommended.) Fenger.

PSY 32* Interviewing (½)(Day and Evening Sections). Basic concepts of interviewing including planning, questioning, listening, reflecting, selling, rating, hypothesis testing and decision making. Students will participate in interviewing simulations and read selected background material on research findings. (A previous course in psychology is recommended.) Fenger.

PSY 100 Principles of Psychology (Day and Evening Sections). An introduction to behavioral science, focusing on the study of sensory, perceptual, learning and motivational processes. The student will explore basic psychological concepts, methods and findings leading to an understanding of courses of behavior. Evans, Nelson.

PSY 101 Interactive Psychology (Day and Evening Sections). An introductory study of the reciprocal relationships between personality and society.

The emphasis is on understanding the dynamics of the interaction among personality dispositions, social behavior and social-cultural influences. Group activities and demonstrations provide student-generated data to test and expand the student's understanding of text materials. King.

PSY 102* Human Development. Study of the factors influencing the child's perceptual, motor, intellectual, language, social, and personality development from before birth to maturity. Students will have the opportunity to study the behavior of children in Lindenwood's Preschool or in other community child programs. Nelson.

PSY 103 Abnormal Psychology (Day and Evening Sections). A survey of the major classes of behavior disorders. Emphasis is focused on understanding symptoms, the complex interaction of factors related to disordered behavior and various approaches to correction of behavior problems. King, Evans.

PSY 201* Psychology of Adolescence (Day and Evening Sections). A study of physical, intellectual, emotional and social development during the period of adolescence. Research studies given special attention in studying the development of a sense of personal identity; changing roles in family, school and community; and problems of adjustment, delinquency and drug abuse. King.

PSY 202 Psychology of Aging. This course focuses on the aging person. Developmental processes involving sensory, perceptual, intellectual and personality changes from maturity through old age will provide the framework for understanding the process of aging. The area of study will include the role of the older person in the family and society as well as issues related to economics, leisure, retirement, death and survival. No prerequisite; however, a previous course in developmental psychology is recommended. (This course will be offered annually in the Lindenwood Summer Session at St. Luke's Hospital.) Evans.

PSY 300 Research Methods in Psychology and the Social Sciences (Day and Evening Sections). A course in the techniques of behavior observation and analysis in which students learn to design and conduct research in the social sciences, to analyze the data meaningfully, and to present their findings to others. Equal emphasis is given to survey, correlational and experimental methods. Students will gain experience with both 'live' and computer-simulated research problems. Prerequisite: SS 210. Evans.

PSY 301* Theories of Personality. The major theories of personality are studied along with the research on which the theories are based. Students will undertake independent projects exploring aspects of personality theories. Prerequisites: PSY 100 or 101. King.

PSY 302* Behavior Modification (Day and Evening Sections). Study of the application of learning principles to practical problems of behavior with

an emphasis on behavior management and behavior therapy. The course includes evaluation of research findings on behavior modification in home, school, and clinical settings, laboratory study in acquisition of new behaviors, and visits to local programs using behavior modification with normal and exceptional persons. Prerequisite: PSY 100. **Evans.**

PSY 303* Psychology of Women. Study of psychological research on women's behavior and personality, and its implications for theory and practice. Topics for discussion include psychoanalytic notions about femininity, sexual physiology and female behavior, sex role acquisition, motivation for achievement, women's conflict situations, women's counseling and assertive training. Prerequisite: PSY 100 or 101. **Evans.**

PSY 310 Managerial Psychology (Evening only). Survey of the principles of psychology as related to management and supervision of people in an industrial environment. Includes small group dynamics, leadership, motivation, counseling and assessment. Some relevant case studies are discussed and games and simulations are used to explore principles. Prerequisite: PSY 100 or PSY 101. **Nelson.**

PSY 324A* Psychological Testing (Day and Evening Sections). A study of theory of mental measurement and the principles of reliability, validity and standardization as they are applied to the construction, interpretation and use of educational and psychological tests. Tests of achievement, aptitude, intelligence, interest and personality will be studied as illustrations of the problems of measurement and the variety of solutions to those problems. Ethics of test use will be given special consideration. Each student will complete a term project in constructing, validating and norming a test. Prerequisites: prior courses in psychology. **King, Nelson.**

PSY 324B* Psychological Testing (Day and Evening Sections). The same course as PSY 324A; however, the term project will involve learning to administer, score and interpret one of the most frequently used tests of individual abilities: WISC, or Stanford Binet. Prerequisites: prior courses in education and psychology. **King, Nelson.**

PSY 330* Psychology of Learning (Day and Evening Sections). Study of how old behaviors are changed and new behaviors are acquired as a result of experience. Attention is also given to theories and empirical findings in the field of human memory. Students will carry out an experiment in learning or memory. Prerequisite: PSY 100. **Evans.**

PSY 332* The Psychology of Motivation. An analysis of the major theories of motivation, the data on which they are based and the methods used to generate the data. Experiments in motivation will be carried out. Prerequisites: PSY 100 or 101. **King, Nelson.**

PSY 334* Explorations in Social Psychology (Day

and Evening Sections). Study of present-day theories and conceptual approaches of social psychology in contemporary context with emphasis on the methods and procedures used for testing theory and deriving new concepts. Prerequisites: PSY 100 or 101. **Evans, King.**

PSY 335J Topics in Biopsychology. Study of biological aspects of behavior, including neurophysiology, motivation and memory. A student research project on psychoactive drugs will involve the use of computer simulation in a laboratory study with animal subjects. Prerequisite: PSY 100 or BIO 101 or 102. **Nelson.**

PSY 336* Perception and Perceptual Development. A study of how living beings sense and interpret the stimuli in their environment and how the developing organism acquires its sensory/perceptual capacities. Both research reviews and field experience will be used to consider the changes that occur in the understanding of complex stimuli with maturity and experience. Special consideration is given to abnormal perceptual development. Prerequisite: PSY 100. **Nelson.**

PSY 337* Special Education Counseling. A team-taught course which attempts to combine the psychology of counseling in all its variety with special consideration of the problems experienced by exceptional children, their families and their teachers. Students will spend half their time working with a special education teacher to test the practicality and effectiveness of counseling approaches presented in class. Prerequisite: Special Education courses and Abnormal Psychology, or permission of instructor. **King.**

PSY 340 Research Seminars in Psychology. Advanced courses for students interested in behavioral research projects on topics of current interest in psychology. One such course to be offered each January term. Prerequisite: PSY 100, although additional courses in psychology are recommended.

PSY 340A* Human Cognitive Behavior. Research will be done in the area of human learning or memory following an intensive review of behavioral studies in which traditional verbal learning tasks are related to associative and more cognitive theories of mental function. **Evans, Nelson.**

Field Studies

Advanced students are given an opportunity to explore applications of psychology in field study experiences. Field studies require prior mastery of psychological concepts related to the experimental situation, and thus must be approved by the department chairperson before registration.

PSY 401 Field Study in Experimental Psychology. Opportunity for the advanced student to work in a professional laboratory situation and to take responsibility for development and execution of a substantial behavioral research project. Prerequisites: PSY 300, Senior standing and approval of chairperson. Lab fee \$10. **Staff.**

PSY 340E* Dynamics of Human Motivation. Research projects and related readings will focus on the dynamics of success and failure in real-life situations and the influence of success on persistence, self esteem and other personality variables. King.

PSY 341 Counseling and Psychotherapy. An introduction to the theories, principles and techniques of counseling and psychotherapy. Prerequisite: PSY 103 or 301. King.

PSY 350* History and Directions in Psychology. Discussions focused on the development (past, present, future) of psychology as a science including the history of major psychological systems and theories, and several new, provocative directions in which psychology is headed. Students will create demonstrations of the scientific activities of psychologists in different stages of the field's development. Prerequisite: PSY 100. Evans.

PSY 402 Field Study in Child Development. Opportunity for the advanced student to actively participate under qualified supervision in a psychological program for normal or exceptional children. Prerequisites: PSY 300, Senior standing, and approval of chairperson. Lab fee \$10. Staff.

PSY 403 Field Study in Interpersonal Behavior. Supervised work experience for the advanced student in the psychology department of a mental health agency, emphasizing the objectives and procedures required in establishing a helping relationship with persons who have behavior problems. Prerequisites: PSY 300, Senior standing and approval of chairperson. Lab fee \$10. Staff.

PSY 400 Field Study in Applied Psychology. Supervised work experience for the advanced student which requires the application of psychological principles, research skills and problem solving strategies to real world areas of business and community agencies. Recommended for students with Human Resources Management focus. Prerequisites: PSY 300, Senior standing and approval of the chairperson. Lab fee \$10. Staff.

Graduate Studies

PSY 502* Behavior Management (3 credit hours). Application of principles of learning and behavior-change technology to practical problems in the home, school and clinical settings. Included are the study of contingency-management and behavior-therapy techniques, evaluation of existing research, laboratory investigation, individual behavioral projects, and visits to local schools and agencies that employ behavior management procedures with normal and exceptional persons. Prerequisite: graduate students only. Evans.

PSY 524 Assessment of Intellectual Skills. Non-projective educationally relevant tests will be considered with respect to theories of measurement, test construction, test administration and ethical use. Students will attain competence in administration of one of the more commonly used methods of assessment, either Binet or Wechsler.



* Offered alternative years.

RELIGION

Faculty: Johnson (Chairperson)

Religion courses are offered as enrichment courses for any student majoring in Humanities, Social Sciences and Natural Sciences. These courses may be taken in the Individual Contract Degree Program. Independent study projects, field studies and tutorials are also available.

Requirements for Combining Religion with a Major

A strong minor can be taken in religion by the completion of eight courses. Among these eight courses, six are required: REL 100, 101, 111, 200, and 201. The religion minor can be taken in both the B.A. and B.S. degree programs.

Subject area combinations include: music, psychology, education, sociology, physical education, radio and television, film journalism, theatre, business administration, special education of handicapped, secretarial work.

Career Opportunities

Degrees from theological seminaries: M.Div., M.A., M.R.E., St.M., Th.D., Ph.D., Ed.D., M.H.L.

Pastoral ministry, counseling, sacred music, social work, urban ministry, ecumenical ministry, religious education, college, university and seminary teaching, world missions, theological librarianship, chaplaincy, archeology, business administration, radio and TV broadcasting, journalism, special ministries, research.

Courses of Study

REL 100 Religions in America I. A study of the beliefs, traditions and programs of the Protestant denominations, the Roman Catholic Church and Judaism. Worship, government and developments in the ecumenical movement are explored. Johnson.

REL 101 Religions in America II. A study of the beliefs, traditions and programs of the major sects in American religion, such as the Quakers, Unitarian-Universalists, Mormons, Christian Scientists, Adventists, Pentecostals, and others. A study of the branches of the Eastern Orthodox Church in America will be included. Worship, government and developments in the ecumenical movement are explored. Johnson.

(NOTE: Religions in America I and II may be taken separately or consecutively.)

REL 110 The Literature and Religion of the Old Testament. A study of selected Old Testament writings illustrating the development of Israelite faith and its later re-interpretations. Attention is given to the role of myth, legend, history, cult, prophecy and law. Johnson.

REL 111 The Literature and Religion of the New Testament. An introduction to the development

of the traditions about Jesus in the Gospels, the development of the early church as reflected in The Acts and the Letters of Paul, and a study of the remaining books of the New Testament. History, literature, and theology are explored. Johnson.

REL 200 World Religions. A study of the religions of India, the Far East and the Near East: primitive religion, Hinduism, Jainism, Buddhism, Sikhism, Taoism, Confucianism, Islam, Judaism and Christianity. History, myth, ritual, scripture, theology, mysticism, prayer and worship will be explored. Major differences in the categories of Eastern and Western religions will be studied. Johnson.

REL 201 Modern Theology. A survey of major movements in modern theology — Liberalism, Neo-Orthodoxy, Existentialism, the Theology of Hope and the Theology of Liberation. The course will focus on intensive study of Soren Kierkegaard, Karl Barth, Paul Tillich, and Reinhold Niebuhr. Johnson.

REL 203 Women in Religion. A study of human liberation from a feminist perspective, using today's new and growing literature by leading women theologians of today. Johnson.

REL 204* The Meaning of Jesus for Today. A study of the life, work and teachings of Jesus as interpreted by the Gospel writers: Matthew, Mark, Luke, and John. The significance and meaning for today of the historical Jesus and the Christ of Faith will be explored. Prerequisite: junior standing or consent of instructor. Johnson.

REL 205* The Meaning of Paul for Today. A study of the life, work and writings of the Apostle Paul, the influence of his thought on the developing church, and its significance for Christian faith and life today. Prerequisite: junior standing or consent of instructor. Johnson.

REL 206T, 207T. The History of Christian Thought (Tutorials). Christian thought from the church fathers through the Reformation. An examination of the thought of selected 19th century theologians. Prerequisite: junior standing or consent of instructor. Not available for the distributional requirement. Staff.

REL 209J The Spirit of Christianity (January 1979). A study of the spirit of Eastern Orthodoxy, Roman Catholicism, Protestantism, Anglicanism and evangelical and fundamentalist Christianity. What are the modern challenges to Christianity? How does Christianity view such topics as alienation, anti-clericalism, discrimination against women and minority groups, abortion, birth control, divorce, death, eternal life, human sexuality, salvation, and other religions? At least seven visiting speakers will contribute to the course. Johnson.

SOCIAL SCIENCES

Courses of Study

SS 200 Seminar on Women. An interdisciplinary course consisting of a series of presentations by competent people from various fields on the subject of women. The aim of the course is to increase the student's awareness of the changing role of women. Speakers will be drawn from the academic community and outside sources. Students are expected to take an active role in the exchange of ideas, read extensively in selected areas, and keep a diary of their personal reflections on the topic. Nelson.

SS 210 Social Science Statistics. An introduction to theory and application of statistics to the social sciences. Major content categories are statistical inference, probability, descriptive statistics, random variables, and expected values. Nichols, Evans, Nelson.

Social Sciences Divisional Major in Public Affairs

Students who wish to study the problems, operations, and institutions which are particularly significant in the public sector of American society may elect to major in Public Affairs. This is a multidisciplinary major, borrowing widely from the resources of several departments, largely within the Division of Social Sciences. Within this major, four separate areas of focus are available from which a student may select the emphasis most pertinent to his or her personal interests. These are: social institutions, management and personnel, finance, and policies and issues. Because the program is multidisciplinary, each student will be guided by a committee of two or three persons, each selected from a separate department represented in the program, and the committee will jointly approve specific course selections for the student.

Requirements for the Major

The B.A. or B.S. requirements as specified for all Lindenwood students, plus SS 210 (Social Science Statistics), and a minimum of ten courses within the major, selected as follows:

Core Courses

- A. Two courses selected from:
- PS 220 Public Policy
 - PS 244 American Political Ideology
 - BA 200 Principles of Management
 - HIS 316 American Thought and Culture
 - SOC 320 Social Thought and Theory
 - ECC 206 American Economic History
- B. One research methods course selected from:
- PSY 300 Research Methods in Psychology and the Social Sciences
 - SOC 325 Introduction to Social Research Methods
 - SOC 326 The Handling of Data

C. A coherently selected group of at least four courses from one area of focus:

Area of Focus

Social Institutions

- BRJ 100 Introduction to Broadcasting
- BRJ 102 Introduction to Journalism
- ECC 302 Money and Banking
- EDU 200 History and Philosophy of Education
- HIS 315/316 American Thought & Culture
- PS 155 American National Government
- PS 200 The American Presidency
- PS 206 Community Political Systems
- PS 210 Democracy and Elitism
- PS 241 The American System of Justice
- PS 256 American Constitution II: The Supreme Court
- SAJ 241 Introduction to Administration of Justice
- SOC 208 The City
- SOC 311 Complex Organizations
- SOC 324 Sociology of Religion

Policies and Issues

- BA 389 Public Relations
- BIO 120 Environmental Biology
- PS 210 Democracy and Elitism
- PS 220 Public Policy
- PS 235 Political Parties
- PS 225 Legislative Process
- SAJ 343 Social Services in the Administration of Justice
- SOC 101 Social Trends and Problems
- SOC 208 The City
- SOC 360 Advanced Seminar in Social Problems

Management and Personnel

- BA 200 Principles of Management
- BA 240 Management of Human Resources
- BA 348 Management of Personnel Systems
- CA 31 Human Relations in Business
- ECC 301 Labor Problems and Industrial Relations
- PSY 301 Managerial Psychology

Finance

- BA 307 Principles of Finance
- BA 314 Government Accounting
- BA 337 Analysis of Financial Statements
- BA 345 Budgeting
- BA 301 Managerial Accounting

D. At least two electives from one other area of focus or an internship.

Other Provisions

Courses which do not appear in this program, but which may be prerequisite to other courses in the program, do not count in the major.

A course which is chosen as part of the selected focus may not also be counted under the core requirement.

SOCIOLOGY

Faculty: Bartholomew (Chairman), Crozier.

Requirements for the Major

Both the B.A. and B.S. degrees are offered in Sociology. The requirements include 8-12 courses in Sociology, including 100 and 102, or 102, 320 and 325. SS 210 is required for students taking the B.S. degree and is strongly recommended for all Sociology students. Students should also include two full units of independent study within their work in Sociology, and should select several courses from Economics, History, Political Science and Psychology.

Career Opportunities

There is a career-oriented program in urban planning and design within the department for students transferring to Lindenwood with an associate degree in architectural drafting. The program enables students to increase their range of responsibility and opportunity within the planning field. The components of this program offered at Lindenwood are open to all students, but design skills are not part of the Lindenwood curriculum. Further information on the program is available for the department chairperson.

The department also carries supervisory responsibility for the degree program in the Administration of Justice. This program is designed to prepare persons for professional careers in law enforcement and in corrections, particularly juvenile corrections. (For the Administration of Justice program, see the information following the courses of study for Sociology.)

Courses of Study

SOC 102 Basic Concepts in Sociology. A consideration of the basic sociological concepts and propositions with attention to the contributions of sociology in understanding social relationships and the processes of society. Staff.

SOC 112 Cultural Anthropology. Analytical concepts appropriate to the understanding of human cultures will be developed and will be applied in depth to select societies. Crozier.

SOC 122 The Origin of Man. A study of human evolution, primates, fossil man, and race. Emphasis will be on the development of the ability to interpret biological variability in its cultural setting. Crozier.

SOC 208 The City. An examination of the growth of cities, their functions and problems. The impact of the urban environment upon social patterns and individuals. Bartholomew.

SOC 213 Individual in Society. Analysis of relationship between social structure and personality; language and the development of symbols; socialization and the development of the social self:

social roles, motivation and the effects of society upon the individual's social functioning. Crozier.

SOC 214* The Family. The interpersonal dynamics of family life, the variations in family structure and function in different social classes and cultures. Crozier.

SOC 215 Major Institutions in American Society. An examination of the current situation in our social institutions - education, economy, government, religion, and social services (including medicine and welfare), emphasizing their interaction with each other, their common bureaucratic problems, and the balance between professionalism and voluntary efforts. Class work will cover the range of institutions, but students may elect to study a single institution in depth. Bartholomew.

SOC 221 North American Archaeology. A survey of the principal prehistoric American Indian cultural areas as interpreted by archaeological research, beginning with man's entry into the New World. Delks.

SOC 311T Complex Organizations. Their functions, goals, structures. Problems of survival, adaptation, and change in various organizations including governmental, religious, educational, business and occupational groups. Prerequisite: SOC 100 or 102. Bartholomew.

SOC 317* Social and Cultural Change. The processes of social and cultural change; examination of theoretical positions and empirical social and cultural studies of various change processes. Prerequisite: SOC 100, 102 or 112. Staff.

SOC 318 Social Inequality: Class, Race and Ethnicity. An examination of the fundamental causes of inequality and stratification. Selected issues in contemporary American society, including class, race and ethnicity. The evaluation of various strategies for altering patterns of inequality. Staff.

SOC 320 Social Thought and Theory. Review of the development of a formal body of sociological theory emphasizing writers still significant for current theory, including Weber, Durkheim, Parsons. Development of student skills in creating theory. Prerequisites: SOC 100 or 102 and one other course. Bartholomew.

SOC 322* Deviant Behavior. Recurring forms of deviance, social controls. Social implications of defining behavior as deviant. Prerequisite: SOC 100. Bartholomew, Staff.

SOC 324T The Sociology of Religion. Religious behavior, beliefs, and organization on historical and comparative perspectives. The interaction of religion with other institutions. Theories of religious meaning and functions. Prerequisite: SOC 100 or 102. Bartholomew.

SOC 325 Introduction to Social Research Methods. A basic course introducing current research techniques, methodological approaches and the analysis

of data. Students participate in designing and conducting research. Prerequisite: SOC 102. Staff.

SOC 326 The Handling of Data. A laboratory course using survey data, the U. S. Census, and routine bureaucratic sources. Students will examine the utility and limitations of such sources, will develop projects bearing on practical and theoretical questions, will process the data and analyze the results. Prerequisite: some prior coursework in behavioral sciences. SS 210, or consent of the instructor. Staff.

SOC 329 The Sociology of Medicine. Swift.

SOC 370* Comparative Urban Structure. City growth, planned and unplanned, in various geographic, historical and social settings. Effect of structure on social patterns. Development of city planning. Prerequisite: SOC 100, 102 or 208 and consent of instructor. Bartholomew.

SOC 400 Field Study. Practical experience working with a social service agency may be arranged on an individual basis. Staff.

The Administration of Justice

Requirements for the Major

The B.S. in the Administration of Justice requires in addition to the general college requirements: SOC 100 and 101, or 102, 208, 322 and 326; PSY 101 and 103; CA 190; and these courses in the Administration of Justice: SAJ 241, 242, 243, and two course credits in field study or an internship, and either SAJ 344 and 346 (for those in enforcement), or 345 and 347 (for those in corrections).

Courses of Study

SAJ 241 Introduction to the Administration of Justice. An examination of the basic operation of the American justice system, with major emphasis upon municipal, county and state systems in the areas of enforcement, prosecution and rehabilitation. Dalton.

SAJ 242 Criminal Law and Procedure. An examination of the substance of criminal law and the operational procedures mandated by law in arrest, search and seizure. The nature of evidence, proof and admissibility. Dalton.

SAJ 343 Social Services in the Administration of Justice. A survey of social welfare services which bear upon the operations in the justice system. Both those services which are directly under the jurisdiction of courts and enforcement agencies, and other services, public and private, which are available to persons in the justice system will be examined. Prerequisite: SAJ 241 or consent of the instructor. Ambelang.

SAJ 344* Evidence and Prosecution. Problems in gathering, preserving and submitting evidence in court. Detailed examination of the concepts of hearsay, self-incrimination, documentary proof,

and relevance. Prerequisite: SAJ 242. Lohmar.

SAJ 345* The Administration of Juvenile Justice. Basic concepts in juvenile codes and their implication for services in juvenile justice. Decision-making processes of police, court and probation officials. Social and legal factors in handling juveniles in the justice system. Prerequisites: SAJ 241 and SAJ 343. Ambelang.

SAJ 346* Police Organization and Management. Organization and administration of police systems. Structural characteristics of these organizations. Their relation to other public agencies. Problems of control, deployment and effectiveness. Comparisons of police systems to other complex organizations in structure, general management practices, and personnel factors. Prerequisite: SAJ 241. Gorria.

SAJ 347* Punishment and Rehabilitation. An examination of the handling of offenders in the justice system. Historical trends, recent empirical evidence on alternative programs for handling offenders, and problems in translating goals into operative programs. Prerequisite: SAJ 241. Ambelang.

SPANISH

Faculty: Perrone (Chairman, Foreign Language Department), Perry

Requirements for the Major

Requirements for a major in Spanish are as follows:

1. A minimum of eight courses beyond the intermediate level.
2. At least one course in conversation and composition.
3. At least one course in the culture and civilization of the country or countries where the language is spoken.
4. At least four courses in literature given in the foreign language. Students are encouraged to take as many courses in literature as possible.
5. A modern language major who intends to engage in graduate work or to teach a foreign language may take up to four courses in another foreign language in addition to the above courses.
6. The department strongly recommends some formal study in a country where the foreign language is spoken, preferably for a year, but at least for one term.

Facilities and Activities

The department has at its disposal a well-equipped language laboratory, supplementary audiovisual equipment for instructional aid, and adequate library holdings to sustain a major. Extracurricular activities include a Spanish Club, cultural excursions in the St. Louis area, and a chapter of Sigma Delta Pi, national honorary society in Spanish.

Career Opportunities

Students planning to teach the foreign language or to serve as translator or interpreter are advised to pursue graduate work in the language.

Opportunities for a variety of careers exist for the undergraduate student who combines a foreign language major with a major in another field. Some of these careers or occupations include: positions in international business or commerce; technical and engineering positions overseas; banking and financial positions abroad; secretarial and clerical positions overseas and in the United States; civil service positions (the federal government is the largest employer of individuals with foreign language skills, both in the United States and abroad); film; publishing; science; health services; social work; social sciences; religious occupations; travel and tourism; hotels and motels; transportation industries; art; music.

Courses of Study

FLS 101, 102 Elementary Spanish. A beginning course in Spanish taught by audio-lingual methods, but with concurrent development of all four language skills: listening comprehension, speaking, reading and writing. Integrated laboratory experience. Ferrone.

FLS 151, 152 Intermediate Spanish. This course is designed to give the student a mastery of the basic grammatical structures and to increase vocabulary and fluency through the reading and analysis of short literary selections. Classroom work is supplemented with oral laboratory exercises. Ferrone.

FLS 211* Spanish Conversation and Composition. Further development in aural comprehension and oral expression through cultural materials. Exercises in syntax and elements of style. Laboratory experience. Techniques of group discussion, formal and informal presentations. Ferrone, Perry.

FLS 235* Spanish Culture and Civilization. A study of historical, cultural, and folkloric sources of the life and customs of the life and customs of the Spanish people. Stress on the social, economic and intellectual life of Spain today. Ferrone.

FLS 239* World Cultures: The Spanish People. (Evening only). A cultural study of the Spain of today and the past, designed to provide insight into politics, public education, literature, economics and the arts. Students will also be exposed to the basics of the Spanish language and will acquire useful phrases and terminology. (Given in English) Ferrone.

FLS 341* Medieval Spanish Literature. Reading and discussion of medieval Spanish masterpieces from *El Cid* through the works of Gonzalo de Berceo, el Arcipreste de Hita, Juan Manuel, Jorge Manrique, el Marques de Santillana and the Romances. Ferrone.

FLS 343* Spanish Novel of the Golden Age. Reading and analysis of the pastoral novel: Jorge

de Montemayor's *Diana*; the picaresque novel: *Lazarillo de Tormes*, Mateo Aleman's *Guzman de Alfarache*, Francisco de Quevedo's *La vida del Buscón*; and Miguel Cervantes' *Novelas Ejemplares*. Ferrone.

FLS 344* Spanish Theatre of the Golden Age. Reading and discussion of representative dramatic works from Cervantes and Lope de Vega through Tirso de Molina, Alarcon, Guillen de Castro and Calderon de la Barca. Lectures, individual student reports, Ferrone.

FLS 367 Introduction to Spanish-American Literature I. An introductory study of selections of the most important literary works of representative authors of Spanish-American literature from the pre-Columbian period to the nationalist movement of 1810. Ferrone.

FLS 368 Introduction to Spanish-American Literature II. An introductory study of selections of the most important literary works of representative authors of Spanish-American literatures from Romanticism to the Pre-Modernist period of 1888. Ferrone.

FLS 350* Modernism in Spanish-American Literature. Introduction, study and discussion of selected works of the major authors of the Modernist movement of Spanish-American literature from Jose Marti, Najera, Casal, Silva through Ruben Dario, Lugones, Freyre, Herrera y Reissig, Eguren and Enrique Gonzales Martinez. Ferrone.

Courses to be offered in 1979-80 or 1980-81

FLS 236 Latin American Culture and Civilization.

FLS 340J Spain: A Cultural Experience (in Spain).

FLS 342 Spanish Lyric of the Golden Age.

FLS 345 The Quijote.

FLS 347 19th Century Spanish Literature.

FLS 352 Spanish-American Novel of the 20th Century.

FLS 353 Spanish-American Theatre of the 20th Century.

FLS 354 Spanish Theatre of the 20th Century.

FLS 361 20th Century Spanish Poetry.

FLS 369 20th Century Spanish-American Poetry.

SPEECH

The courses in speech are part of the curriculum in Communication Arts. For the relation of the speech courses to a major in that field, see the section on Communication Arts.

Courses of Study

SFH 110 Public Speaking. Traditional and modern theories of verbal communication and oral interpretation are surveyed. Persuasive speaking techniques are studied and procedures are applied to problem speeches, cause speeches, solution speeches, and definitive speaking.

SPH 125, 126 Voice and Diction I and II. Study and application of the principles and techniques of proper diction, vocal support, voice placement, and word usage.

SPH 210 Business and Professional Speaking (Evening). The principles of oral interpretation are studied and applied to specific types of oral reports, manuscript preparation and reading, and the techniques of speaking before business and professional groups.

SPH 211 Storytelling and Creative Dramatics. The history of the art is studied and its techniques are applied in participation situations with adult audiences and child groups. Attention is also given to the technique of developing stories into creative drama activities for child classroom and recreational participation.

SPH 230 Argumentation and Debate. Study of the argumentation process and its usage in daily communications, advertising, politics, and speech writing. Debate includes selection and development of material and the techniques of formal debate. Procedures for organizing and coaching debate teams are included.

THEATRE ARTS

Faculty: Van Tassel (Chairman), Amonas, Gha-reeb, Krehbiel, Pule

Requirements for the Degree

The B.A. or B.S. degree in Theatre Arts is earned by completing 36 Lindenwood courses, 12 of which are in Theatre Arts. Also required are two or more classes in dance, art or broadcasting. Numerous opportunities for related study in music and other areas are open to the student.

Theatre Arts majors elect a concentration in (A) acting and directing, or (B) technical theatre and design. Educational requirements for secondary teaching certification may be completed within each emphasis.

Specific requirements for the Theatre Arts major include: TA 201, 202, 227, 231, 235 or 236, 237 or 238, 330, four electives in theatre, and English 233 or 234 (Shakespeare). Other course requirements include two to four classes from the section of Studio and Performing Arts or Communication Arts. In addition to the scheduled courses, internships and field studies may be arranged with professional or community theatre companies.

Facilities and Activities

The Lindenwood Colleges maintain a recently renovated 400-seat theatre in the Jelkyl Center for the Performing Arts. Separate from the Jelkyl

Theatre are the studio theatre, a small experimental space for student productions, and the Fine Arts Building auditorium which provides additional stage areas for dance and theatre.

Technical facilities include a Strand Century Multi-Q memory lighting system, a design studio, and a fully equipped scenery shop and costume shop. A large air-conditioned dance studio is located in the Fine Arts Building.

Theatre studies at Lindenwood are supported by practical work in three production programs. The Department of Theatre Arts offers a main stage series of six productions annually. Selections include musicals, dramas, classics, and plays for children. A series of student productions is offered each season. Included are directing class projects, original student written plays, and independent projects designed by theatre or dance students.

An additional training resource for theatre students is SUMMERSTAGE. In this program, students have the opportunity to apprentice, serve as journeymen, or become employed full-time in the equity company, working daily with seasoned professionals in all areas of the theatre.

Courses of Study

(TA 130, 132, 201, 210, 227, 235, 237, and 240 may be taken as distributional electives. Production participation is expected as part of course preparation. The normal rule is 3 to 4 hours per week per course.)

TA 32, 33 Stage Makeup I and II. Study and practice in the art of theatrical makeup. Progression from straight to character makeup techniques. In Part II, detailed character makeups are created and makeup for television and film is studied.

TA 100 Summer Theatre Apprenticeship. Full-time participation as an apprentice to the Summer Theatre company. May be repeated. Prerequisite: acceptance into the company and permission of the instructor.

TA 130 Appreciation of Theatre. Understanding forms of drama, basic acting techniques, the relationship of performer to audience, technical theatre, and how to view a play. Primarily an observation and discussion course for persons interested in learning about theatre, rather than participating in it.

TA 201, 202* History of the Theatre I & II. Part I traces the beginning and growth of theatre art to the end of the 19th century. In part II, the events of the world theatre from the time of Ibsen to the modern day are studied. Major plays and social conditions of each period are emphasized.

TA 210 Theatre for Children. Study of the theory and techniques of producing and writing plays specifically for a child audience.

TA 227, 228, 229, 230 Acting Workshop I, II, III, IV. The study of acting in classical and modern plays, through application of Stanislavski techniques and modern acting theory.

TA 231, 232 Directing Workshop I & II. A study of the theory of directing and practical application by staging a short piece, followed by (in Part II) the staging of a complete work of at least thirty minutes.

TA 235, 236 Technical Theatre Production I & II. Study and practice of the basic skills for the drawing and construction of stage settings and properties. Basic introduction to lighting, stage management, and technical production.

TA 237, 238 Stage Costuming I & II. Study and practice of the basic skills for the construction and fitting of stage costumes. Introduction to purchasing, drafting, cutting, basic design concepts and pattern making.

TA 239 Stage Lighting. Study of the principles of lighting the stage, followed by assistance in the lighting of a major stage production.

TA 240 Playwriting. Study of the techniques of writing dramatic scripts, followed by writing a one act play. Plays may be selected for studio theatre production by directors in the director's workshop.

TA 305 Problem in Design. Individual work in a special project in set, lighting, or costume design. May be repeated. Prerequisite: Permission of the instructor.

TA 310 Playwright's Workshop. A course for directors, designers and playwrights working together in the production of an original one-act play. Prerequisite: permission of the instructor.

TA 312, 313 Set Design I & II. Principles and application of the concepts for designing stage settings and properties. Development of a personal portfolio. In part II, the student is assigned the design of a major college production. Prerequisite: TA 235, 236, 237, 239, ART 236, or permission of the instructor.

TA 315, 316 Costume Design I & II. Principles and application of the concepts of designing costumes for the stage. Development of a personal portfolio. In part II, the student is assigned the costume design for a major college production. Prerequisite: TA 235, 237, 238, ART 236, or permission of the instructor.

TA 330 Seminar in Theatre. A study of selected playwrights and dramatic theories. Course changes each term. May be repeated.

TA 400J Field Studies in Theatre. The study of theatre in New York, London, and other world centers. Appropriate reading and writing projects will be assigned. May be repeated.

TA 450 Summer Theatre Internship. Full-time participation in the summer theatre after the apprenticeship has been served or the requirements met by other experiences. (Two or more credits) May be repeated. Prerequisite: acceptance into the company.

Dance

A dance program is offered in the Theatre Arts and Dance Department. A student may elect a major in Modern Dance for a B.A. or B.S. degree. (The Physical Education Department offers a B.S. degree in Physical Education with an emphasis in modern dance.) The B.A. or B.S. degree is earned by completing 36 courses, 8-12 of which are in Studio Dance. In addition, two courses in Theatre Arts, two courses in Art, and two full courses in Dance History are required.

Details of the major and the course listing will be found under Dance in that part of this catalog.



Graduate Programs in Theatre Arts

The Master of Fine Arts Degree

Requirements for the M.F.A. in Theatre Arts include:

1. A residency of two years (normally) at The Lindenwood Colleges.
2. Successful performance in an oral examination taken at the beginning of the second year of studies. Emphasis is on history of the theatre and dramatic literature. An assigned list of books and plays forms the basic syllabus for this examination.
3. Completion of a final thesis project. Normally this consists of directing, designing, playing a principal role in a major production, or offering a one-person show, and collecting evidence of research, analysis, and judgments which formed a part of the production process, and which will remain on record with the Department of Theatre Arts. The Master's project may count for two courses, a total of six semester hours.
4. Active participation in the general production program of the Department of Theatre Arts.
5. At least one season of active participation in the professional summer theatre or the equivalent experience.

6. Completion of 60 semester hours of graduate course work with a cumulative GPA of 3.00 or higher. A maximum of 12 hours graduate credit or practicum experience may be transferred.

The Lindenwood IV Program

The M.F.A. and M.A. degrees in Theatre are also offered through Lindenwood IV, the College for Individualized Study. Programs are designed on an individualized full-time basis. Candidates may hold full-time positions in other theatres or other type of work while pursuing studies. Degree emphasis may be in acting, directing, theatre administration, theatre production and design, children's theatre, theatre history and criticism, playwriting, and puppet theatre. Admission requirements are similar to those of the resident programs. See the Lindenwood IV section of the catalog.

The M.A. in Education

The Department of Theatre Arts and the Department of Education offer jointly the M.A. in Education with a theatre emphasis. Primarily for preparation in teaching, this program combines a professional approach to theatre teaching with the study of educational theory and resources. The program of study consists of successful completion of 30 graduate semester hours. The prescribed courses include three in Education (Analysis of Teaching and Learning Behavior, Conceptualization of Education, and Educational Research, for a total of 9 semester hours), 6 courses in theatre (TA 511, 515, 520, 540, 542, and one elective for a total of 18 semester hours), and a Master's project in Theatre Education (3 semester hours). Candidates on a two-year course of study for the M.A. in Education may work up to 20 hours per week for the Department of Theatre Arts as a graduate assistant in one of the many programs directly related to the production program at Lindenwood. Applicants shall have completed undergraduate teaching certification requirements and student teaching.

Graduate Courses of Study

TA 500 Field Studies in Theatre. Study and practice in theatre at locations away from The Lindenwood Colleges theatre. May be repeated for a maximum of nine semester hours of credit.

TA 511 Storytelling and Creative Dramatics. A thorough investigation of the history of storytelling is followed by study and practice in the technique of this art. Through the techniques of improvisational theatre and creative dramatics some stories are developed into classroom activities. Appropriate research and writing is assigned.

TA 515 Theatre Production in the Secondary Schools. Methods of teaching theatre skills to junior and senior high school students are explained. Also discussed are problems faced by teachers who stage plays in junior and senior

high schools. All elements of play production are considered and sample curricula are developed for different types of school programs. A workshop course for teachers. Meets in the summer.

TA 520, 521 Advanced Technical Production I and II. Application of theatre production skills to main stage productions. Students are assigned responsible positions in stage design, technical direction, crew heads, scene painting, stage management, lighting design, costume design, and wardrobe.

TA 525 Research in Theatre. Research methods in theatre. Application of procedures by presentation of a series of short papers dealing with a variety of research problems.

TA 530 Seminar in Theatre History. In-depth study of specific periods in theatre history. Playwrights, social conditions, and trends in theatre architecture for each period will be discussed. Subject will vary from term to term. May be repeated for a maximum of 6 hours. Prerequisite: TA 525.

TA 540, 541 Graduate Acting Workshop I & II. Application of the acting techniques of Stanislavski, Grotowski and others to assigned scenes and oral voice production, stage combat, and other special areas.

TA 542, 543 Graduate Directing Workshop I & II. Application of theories and styles of directing for various kinds of plays. Presentation of short plays in the studio theatre. Evaluation of directing skills and methods of individual growth.

TA 545 Advanced Playwriting. Study and practice in the techniques of writing the full-length play. May be repeated for a maximum of 6 hours.

TA 546 Theatre Organization and Administration. Budgets, contracts, box-office procedures, public relations, personnel and executive policies of the school, community, and professional theatre.

TA 555 Summer Theatre Graduate Internship. Full-time participation in the summer theatre in a position of responsibility. Prerequisite: acceptance into the company and consent of the instructor. May be repeated for a maximum of 12 semester hours of credit.

TA 593 Independent Study. Investigation of specific theories, artists, techniques, or literary periods in theatre history as related to the student's special interest area. Topic developed by the student. May be repeated for a maximum of 6 hours.

TA 600 Master's Project. The student will present a final project which represents his or her level of accomplishment in the selected area of emphasis. Projects are presented to the theatre faculty for approval the term prior to enrollment in the course (3 to 6 semester hours).

ALSO AVAILABLE: Practicum in Theatre. Practical theatre experience applied to the graduate

program of study. Normally to include summer theatre assignments, touring or other full-time theatre work, or special studies fulfilled in related programs. May be repeated for a maximum of 12 semester hours of credit.

(See the Department of English listings for other graduate courses available.)

(For the program in Dance, see that part of the catalog.)

SPECIAL ACADEMIC PROGRAMS

Bachelor's Program for Graduates of Schools of Diploma Nursing and Community College Graduates with an Associate Degree in Nursing

Lindenwood offers a program leading to the bachelor's degree for graduates of accredited diploma schools of nursing or for nurses with an associate degree. These students will have a subject area of concentration in one of the areas offered by The Colleges.

School of nursing diploma graduates may be awarded 9 courses of practicum credit toward the bachelor's degree for their clinical training and theoretical courses in nursing. Nurses with associate degrees receive 6 hours of practicum credit. Additional credit will be given for transferable college level courses in science, humanities, and social sciences.

A number of students have found it beneficial to attend Lindenwood for a year or more upon graduation from high school before entering a School of Nursing diploma program. Such students may return to Lindenwood to finish their studies for a degree after completion of nursing training.

Because the educational background of prospective students will vary, Lindenwood will evaluate each student's transcript individually.

Academic Program for Nursing Students at St. Luke's Hospital in St. Louis

The Lindenwood Colleges have an affiliation with St. Luke's Hospital School of Nursing of St. Louis, whereby nursing students are admitted to Lindenwood and en-

roll in courses for college credit as part of their School-of-Nursing diploma program. Examples of courses offered include Anatomy and Physiology, General Chemistry, Concepts of Sociology, English Composition, Introductory Psychology, Human Development, Microbiology, Nutrition, the Psychology of Aging, and Advanced Physiology. These courses are taught by Lindenwood faculty at the School of Nursing.

Inservice Programs in Cooperation with Religious Institutions

The Lindenwood Colleges provide opportunities for students to earn college credit by pursuing internships, field studies, independent terms and independent studies in the work of religious institutions. The studies may be performed in a variety of disciplines, including art history, business, education, English/journalism, history, music, physical education, political science, psychology, religion and sociology.

Ecumenical in nature, the program provides services to any religious institution able to participate, and in turn offers extensions of the classroom experience for the student.

Consortium Programs

The Lindenwood Colleges belong to a consortium of colleges of Greater St. Louis. The consortium includes Fontbonne College, Maryville College, and Webster College. Lindenwood students may enroll in courses offered by the colleges of the consortium and count those courses as part of their degree program. No additional tuition cost is involved.

Lindenwood/Washington University Three-Two Plan Leading to an Engineering Degree

The Three-Two Plan is a program designed to enable Lindenwood students to complete three years of study in the liberal arts and then to take a two-year intensive course at the Sever Institute of Technology of the School of Engineering and Applied Science of Washington University. At the end of the full course of study the student will receive a B.A. or B.S. degree from Lin-

denwood and a B.S. in Engineering from Washington University.

During the three-year liberal arts phase of the program, the student may select an area of concentration in any discipline as long as the following minimum requirements are met for entry into the engineering program: (1) a minimum average grade of B- (courses with grades below C will not transfer), (2) Calculus through differential equations; (3) one year of calculus-based physics, (4) one year of chemistry with laboratory, (5) one course in computer programming (waived for electrical engineering), (6) at least six courses in humanities and social sciences with three of those courses being in a single field. For entry into Chemical Engineering, a one-year course in organic chemistry would have to be included.

Options for the student during the two-year engineering phase include concentrations in: (1) Applied Mathematics and Computer Science, (2) Chemical Engineering, (3) Civil Engineering, (4) Electrical Engineering, (5) Mechanical Engineering.

Lindenwood/George Warren Brown School of Social Work Three-Two Plan

The Lindenwood Colleges and the George Warren Brown School of Social Work at Washington University have a three-two arrangement by which qualified candidates may complete the baccalaureate degree at Lindenwood and the Master of Social Work degree at George Warren Brown in five years, rather than the normal six years.

In order to accomplish this:

1. The student must complete all general education and departmental requirements for the Lindenwood degree in the first three years. Only electives may remain in the program at the time of entering the Master of Social Work program.
2. The student must have an outstanding academic record, and must apply to George Warren Brown School of Social work for admission following the junior year.
3. Lindenwood will certify to George Warren Brown that the student has fulfilled all specific degree requirements, and that the student will be

eligible to graduate from Lindenwood on successful completion of the first year's work at the George Warren Brown School.

4. George Warren Brown will certify the successful completion of that year's work to Lindenwood, and the student will be eligible to graduate from Lindenwood while continuing to be a student in the School of Social Work for an additional year.

Continuing Education Program

The Lindenwood Colleges are committed to a program which encourages men and women, 25 years of age or older, to begin or complete college work for personal enrichment or occupational competence.

Adult students enrolled in this program at Lindenwood I, II or III are classified as 'special students' and are qualified to pay their tuition at the by-the-course rate. They may receive credit toward a degree through examination under the College Level Examination Program (CLEP). A satisfactory score is one which equals or exceeds the fiftieth percentile on the national college sophomore norm, a scaled score of approximately 500. Credit will be allowed for all the general examinations except English and may be allowed on specific subject matter tests with permission of the appropriate departmental chairman.

Air Traffic Controllers

Upon presentation of certification of Phase V status, an Air Traffic Controller is awarded credit for up to a maximum of 12½ courses toward a bachelor's degree program.

Additional work in military, technical, or FAA-sponsored courses will be individually considered.

FAA supervisory personnel who have completed the Management Training Course at Lawton, Oklahoma, will, in addition to the above, be awarded credit for 2 courses in management.

OFF-CAMPUS STUDIES

FIELD STUDY AND INTERNSHIP

Field study and internships are available in most areas of study and provide the opportunity to obtain academic credit by applying classroom knowledge to a career or other life-experience situation.

When two or more course credits are awarded, the experience is called an internship; less than two courses of credit is a field study.

Some students elect to enroll in field study and internship courses at the same time they enroll in regular on-campus courses. Other students elect to devote an entire term to an internship experience.

Application forms for field study and internship are available in the Office of the Dean of Lindenwood College for Men. The Lindenwood College for Men Curriculum Committee reviews field studies and internships for all of the colleges. There is no extra tuition charge for enrolling in a field study or internship.

THE JANUARY TERM

Since 1968, Lindenwood Art, English, Foreign Language, History, Music, Physical Education, Biology, Sociology, and Communication Arts courses have been held in England, Italy, Greece, France, Sweden, Austria, Mexico and the Bahamas.

Most courses are conducted by Lindenwood faculty and are included in Divisional or major subject course listings. Students may also spend the January Term in field study, internship or self-designed independent study projects to be completed off-campus, either in this country or abroad.

THE MERRILL-PALMER SEMESTER

Lindenwood maintains a cooperating off-campus study program with the Merrill-Palmer Institute in Detroit, Michigan. Through the Department of Psychology, a limited number of students majoring in psychology may spend one term, either the spring term of the junior year or one of the two long terms of the senior year, in residence at the Institute. (In many cases

a term of study at Merrill-Palmer will satisfy the senior Field Study requirement in psychology.)

The focus at Merrill-Palmer is the interdisciplinary study of the interrelation of children, families and communities. Students who attend the Institute obtain actual clinical experience as well as involve themselves in rigorous coursework under the direction of a distinguished faculty. The Merrill-Palmer Institute is also a nationally recognized research center in the behavioral sciences.

JUNIOR YEAR ABROAD

The Lindenwood Colleges require that all foreign study for which degree credit is given must contribute to the student's academic program. The student has two options: (1) an established program supervised by an American college or university with credits transferred to the Lindenwood transcript, or (2) independent study, either under the direction of a member of the Lindenwood faculty or under foreign instruction recognized by the sponsoring member of the Lindenwood faculty, for which papers, examinations, or other acceptable indications of achievement are submitted to establish credits. Either option must be approved by the department of study at Lindenwood which will recommend credit.

To be eligible for a foreign study program, the student must (1) have junior standing, except in unusual cases; (2) have a grade point average of 3.0; (3) have facility in the spoken language of the country to which he or she is going; (4) satisfy the committee approving the program that he or she has the self-reliance and maturity needed; and (5) have a definite educational objective acceptable to the chairman of the department which will recommend the credit.

Applications for study abroad must be filed with the appropriate department chairman and with the designated committee by February 1 of the year preceding the proposed program. Final approval of the program and of the credit to be granted after completion of the study, rests with the appropriate Dean who acts upon the recommendations of the department chairman and the committee.

All responsibility for travel, finances,

application for admission to a foreign institution when applicable, and other necessary arrangements rests with the student.

WASHINGTON SEMESTER PROGRAM

Lindenwood is one of a limited group of liberal arts colleges invited by the American University in Washington, D. C., to take part in its Washington Semester Program, an opportunity to spend a term in the capital studying and observing the national government in action and having contact with major policy makers and other persons prominent on the national and international scene.

The appointment is restricted to students in their junior year. Selection is based upon demonstrated abilities in scholarship and leadership. Instructional costs are covered by tuition paid to American University. Charges for room, board, travel, and incidental expenses must be met by the appointee. Students wishing to be considered for appointment should apply to the Washington Semester Adviser in their sophomore year.

AWARDS, SCHOLARSHIPS AND GRANTS

The following awards and scholarships are made directly to the student regardless of any financial aid considerations:

ALPHA LAMBDA DELTA AWARD—The National Chapter of Alpha Lambda Delta (academic honor society) awards a certificate to all senior members who have maintained a 3.5 grade average for seven terms and a book to the senior with the highest grade point average.

DOROTHY HOLT CAMP BADGETT AWARD—The late Judge C. W. Holtcamp in memory of his daughter, Dorothy Holtcamp, a graduate of Lindenwood College, 1911, established a Bible Award of \$1,000, the income from which is used for awards to members of the Freshman Class.

CRC FRESHMAN CHEMISTRY ACHIEVEMENT AWARD—Each year CRC Press awards the Standard Mathematical Tables to an outstanding freshman mathematics student and the *Handbook of Chemistry* to the outstanding student in chemistry.

FRANC L. McCLUER SOCIOLOGY AWARD—Established in 1975 to honor the outstanding graduating senior in the field of sociology.

GRIFFIN AWARD—Annually the staff of the literary magazine, *The Griffin*, sponsors a Freshman Writing Contest. First and second prize winners are each presented a book.

LINDEN SCROLL SCHOLARSHIP—One scholarship at a minimum of \$100 is made available annually by Linden Scroll and is awarded to an upperclass student who shows potential leadership qualities and evidence of fine scholastic achievement, and who is in need of financial help in continuing college.

MU PHI EPSILON PRIZE—A \$50 annual prize is awarded to a junior member of Mu Phi Epsilon, who is recommended jointly by the faculty of the Department of Music and the Dean of the College. This is granted by the St. Louis County Alumnae Chapter of Mu Phi Epsilon.

PRESSER MUSIC FOUNDATION SCHOLARSHIP—An annual scholarship is made available by the Presser Music Foundation to students planning to make their living by teaching music. Selection of the students is made on recommendation of the faculty of the Department of Music from upperclass students majoring in music.

RICHARD C. SPAHMER AWARD—A fund created by bequest of Richard C. Spahmer, formerly drama critic of the St. Louis *Globe-Democrat*. The income is used for prizes in literary contests.

HONOR SOCIETIES

NATIONAL—The Student National Education Association; Alpha Lambda Delta, mathematics; the Music Educators National Conference; Phi Sigma Tau, philosophy; Pi Delta Phi, French; Sigma Delta Pi, Spanish; Alpha Psi Omega, dramatics; Eta Sigma Phi, classics; and Alpha Epsilon Rho, radio and television.

GENERAL—Mu Phi Epsilon, music; and Pi Mu Epsilon, mathematics.

LOCAL—Alpha Sigma Tau, senior scholastic; Lindenwood Scroll, senior service; Student Artist Guild, art; and Triangle, science and mathematics.

ENDOWED CHAIRS, PROFESSORSHIPS

MARGARET LEGGAT BUTLER CHAIR OF RELIGION—Established in 1917.

ALICE PARKER CHAIR OF ENGLISH LITERATURE—Established in 1961 in memory of Dr. Alice Parker, who served as Professor of English Literature at Lindenwood from 1928 to 1961.

NELL QUINLAN REED PROFESSORSHIP OF MATHEMATICS—Established in 1967 by Mrs. James A Reed to further the study of mathematics at Lindenwood.

THE PEARL AIKIN-SMITH SYERS MEMORIAL FUND—Established by bequest of Mrs. Pearl Aiken-Smith Syers to strengthen academic programs in the Communication Arts.

ENDOWED SCHOLARSHIPS AND GRANTS

The following scholarships are awarded by the Financial Aid Committee in accordance with the stated criteria to eligible financial aid applicants at The Lindenwood Colleges.

ALUMNAE CLUB SCHOLARSHIPS—Established by the alumnae in honor of Mary Easton Sibley, founder of the college. Under this fund, the alumnae in several cities—St. Louis, St. Charles, Kansas City, and Houston—have provided sufficient funds for scholarships to be awarded in their names.

LENORE ANTHONY MEMORIAL SCHOLARSHIP—Established in memory of Lenore Anthony Borgeson, an alumna of Lindenwood College, by her husband, George Borgeson. The fund provides a supplementary scholarship for students in speech and dramatics.

ETHEL B. COOK SCHOLARSHIP FUND—Established by bequest of Ethel B. Cook to assist deserving students and particularly such students who might not be able to obtain the advantage of a college education.

THE EVE CUNLIFF SCHOLARSHIP—Provided by the Los Angeles Alumnae Club in memory of Eve Cunliff.

THE ESWIN SCHOLARSHIP FUND—Established by bequest of Martha B. Eswin of St. Louis to assist young women desiring to obtain education in the religious field.

THE J. P. and M. J. GARRETT SCHOLARSHIPS—Established by bequests of Mr. and Mrs. John P. Garrett.

NANNIE S. GOODALL MEMORIAL SCHOLARSHIPS—Established by Mr. Arthur S. Goodall, in memory of his mother, Mrs. Nannie S. Goodall. Mr. Goodall is a Director Emeritus of Lindenwood College and has served on the Board of Directors since 1937.

THE JEAN ELIZABETH HALE MEMORIAL FUND—Established in memory of Jean Elizabeth Hale, a member of the Class of 1968, to assist students preparing for careers in elementary education.

NANCY DRURY HARDY SCHOLARSHIP FUND—Established by bequest of Mrs. Caroline Hardy Riordan and Melissa Hardy Olk, in memory of their mother who graduated from Lindenwood in 1876. The income of the fund is available to students from the state of Illinois regularly enrolled in the college. Preference is given to 'students who may be expected to make worthwhile contributions to community life in the communities in which the student will reside following graduation.' Financial need is a consideration but not the controlling factor.

LAURA L. HERON SCHOLARSHIP—Established by Mrs. Charlia Ayres, wife of President Ayres (1903-1913), in memory of her mother.

THE MARY F. AND BENJAMIN E. JELKYL SCHOLARSHIP FUND—Established in 1969 by Mr. Ross Jelkyl in memory of his parents.

MARY E. LEAR SCHOLARSHIP AND LOAN FUND—Established by bequest of Mary E. Lear, Professor of Chemistry at Lindenwood from 1916 to 1960, to assist 'worthy young women majoring in either the physical sciences or religious education at Lindenwood.'

THE LINNEMAN SCHOLARSHIP FUND—Established by bequest of Robert H. Linnemann in memory of his sisters, Alice A. Linnemann and Kathryn Linnemann, to provide scholarship and loan funds to deserving young women who are residents of St. Charles. The Linnemann sisters were alumnae of Lindenwood.

THE GUY C. MOTLEY SCHOLARSHIP—Established by alumnae in memory of Guy C. Motley, who was Director of Admissions at Lindenwood for many years.

THE MARJORIE NULL SCHOLARSHIP—Established by Mr. and Mrs. Harold Null.

READER'S DIGEST FOUNDATION SCHOLARSHIP FUND—Established by the Reader's Digest Foundation.

THE DR. AND MRS. H. C. RITTER SCHOLARSHIP FUND—Established by the Ritter family and by friends.

THE KATHERINE IRWIN SCHAFER SCHOLARSHIP FUND—Established by bequest of Katherin Schafer, niece of Lindenwood President Robert Irwin, 1880-1893, for the aid of needy students.

SORORITY SCHOLARSHIPS—Established by Zeta Chapter of Eta Upsilon Gamma and Theta Chapter of Sigma Iota Chi.

THE SIDNEY W. AND SYLVIA N. SOUERS SCHOLARSHIP FUND—Established by Admiral and Mrs. Sidney W. Souers. Admiral Souers was a Director of Lindenwood College. He was first elected to the Board of Directors in 1958.

PEARLE AIKIN-SMITH SYERS SCHOLARSHIPS—Approximately six scholarships are granted each year to students in the Communication Arts with income from the bequest of Mrs. Pearl Aikin-Smith Syers,

a Lindenwood student in 1895, who later became a prominent college professor and dean.

THE JOHN AND LUCILLE THOMAS MEMORIAL SCHOLARSHIP—When the principal of the fund established by the gift has accrued to \$10,000, the income thereafter will be awarded to an outstanding student in music.

GRANTS TO DAUGHTERS OF MINISTERS—The Watson Fund provides for grants of \$200 to the daughters of Presbyterian ministers who are resident students and \$100 to those who are day students. When revenue is sufficient, a grant can be made to the daughter of any minister.

CRIDER SCHOLARSHIP FUND—Established by Mrs. Russell J. Crider to provide opportunity for educational advancement to persons without adequate financial resources. Preference is to be given to students from the Yeatman area in St. Louis to be nominated by the Board of Directors of the Yeatman District Community Corporation.

OTHER SCHOLARSHIPS AND GRANTS

In addition to endowed scholarships, there are the following scholarship and grant funds available:

NATIONAL PRESBYTERIAN COLLEGE SCHOLARSHIPS—The college will share with the United Presbyterian Church U.S.A. in the awarding of one or more co-sponsored National Presbyterian College Scholarships. The scholarships are awarded annually, according to need, to eligible high school seniors who are successful in the national competition. Applications must be filed by December 1 of the student's senior year in high school. Address inquiries to the Office of Financial Aid or to: National Presbyterian College Scholarships, Witherspoon Building, Philadelphia, Pennsylvania 19107.

EDUCATIONAL ASSISTANCE PROGRAM, THE UNITED PRESBYTERIAN CHURCH U.S.A.—Grants-in-aid are available, if financial need is demonstrated, for the children of full-time, trained religious

leaders employed by the United Presbyterian Church, U.S.A. The application deadline is March 1 for the following academic year. The rules and application forms may be obtained by writing: Educational Assistance Program, 425 Witherspoon Building, Philadelphia, Pennsylvania 19107.

SAMUEL ROBINSON SCHOLARSHIPS--

A limited number of scholarships of \$300 each are available to students who recite the 107 answers of the Westminster Shorter Catechism and who write an acceptable essay on an assigned topic related to the Shorter Catechism. These are available to students of any religious affiliation and may be awarded in addition to any other scholarship. The rules, including the essay topic, may be secured from: Samuel Robinson Scholarships, 425 Witherspoon Building, Philadelphia, Pennsylvania 19107. Students may qualify in the competition any time between September and April 15.

PRESBYTERIAN SYNODS OF MID-AMERICA SCHOLARSHIPS--

A limited number of scholarships are available each year to students who adhere to the criteria as determined by the Synods of Mid-America. These awards are made by the Financial Aid Committee of The Lindenwood Colleges.

MONTICELLO GRANTS FOR TRANSFER WOMEN--These grants are funded by the Monticello Foundation for transfer women with Associate Degrees from a two-year institution. Applicants must be undergraduates, have leadership potential, and show financial need.

FINANCIAL AID

The Financial Aid Program at The Lindenwood Colleges helps students who want to attend college, but who cannot do so without some type of financial aid. Assistance is provided through the Office of Financial Aid to students regardless of race, creed, color, sex, or national origin as required by Title VI of the Civil Rights Act of 1964.

Financial aid awards usually consist of 'packages' which are a combination of dif-

ferent kinds of financial assistance. A package may include scholarships, grants, loans, and employment.

Applications for financial aid are accepted up to two weeks prior to the beginning of each term or trimester providing funds are still available. Awards are made one year at a time. Awards are normally renewed in subsequent years unless the student is on academic, social or disciplinary probation.

All students seeking assistance (based on need) must file the Family Financial Statement (FFS) of The American College Testing Program (ACT) or the Financial Aid Form (FAF) or College Scholarship Service (CCS). All undergraduates are urged to apply for the Basic Educational Opportunity Grant (BEOG). Forms may be obtained from the Financial Aid Office or from high schools or libraries in the student's area. All undergraduate students who are residents of the State of Missouri are requested to file for the Missouri Student Grant (this does not apply to student of individualized education in Lindenwood IV).

Student Employment

Many opportunities are available to students who wish to earn a part of their expenses at Lindenwood. Jobs are made available through the Lindenwood Work Grant Program and the Federally sponsored College Work-Study Program. Student employment assignments are varied in nature and are awarded through the Financial Aid Office.

Federal Loans

The National Direct Student Loan (NDSL) is available to undergraduate and graduate students who are enrolled on at least a half-time basis. These loans are awarded through the college based upon financial need as determined by a need analysis from ACT or CSS.

Loans under the Guaranteed Student Loan Program (GBL) are available to undergraduate and graduate students who are enrolled on at least a half-time basis. These loans are made to the student through a lending institution such as a bank, credit

union, or any other participating lender who is willing to make the educational loan. It is the student's obligation to locate a participating lending institution.

For complete information about financial aid, write to the Director of Financial Aid, The Lindenwood Colleges, St. Charles, Missouri 63301.

Other Loans

The Student Loan Fund of the United Presbyterian Church U.S.A. is available to undergraduate students in the junior and senior years who are communicant members of the United Presbyterian Church U.S.A. and citizens of the United States, registered with or under care of their presbytery for a church occupation, or who are students in the Junior Year Abroad program of the Commission on Ecumenical Mission and Relations. (The maximum loan available is \$1,000 in an academic year, or \$500 for summer school.) The loan is repaid in quarterly payments beginning six months after completing or discontinuing study; and is to be fully repaid within six years. Interest is charged at the rate of three percent annually and begins when the borrower completes or discontinues study. To obtain the necessary application forms, the applicant should write directly to the Office of Educational Loans and Scholarships, 425 Witherspoon Building, Philadelphia, Pennsylvania 19107.

The Helen Homes Hudson Student Loan Fund provides several loans for qualified students.

The Hollenbeck Student Loan Fund is available for loans to upperclass students.

The Peggy Proctor Larkin Memorial Student Loan Fund was established by family and friends and in memory of Peggy Proctor Larkin as a non-interest bearing loan fund for worthy junior and senior students.

Bremen Van Bibber Memorial Textbook Loan Fund provides interest free loans for periods of up to one year to assist con-

tinuing education students majoring in teacher education with the purchase of textbooks.

LINDENWOOD EVENING COLLEGE

The Lindenwood Evening College offers programs leading to an Associate in Science Degree, a Bachelor of Science Degree, and a Master of Business Administration Degree. All course work leading to these degrees can be completed entirely in the evening.

Associate in Science Degree in Business Administration

Courses taken as a part of the Associate in Science degree may be applied to the bachelor's degree programs. The Associate degree requirements are as follows:

- (1) General: LCC 301, ENG 201.
- (2) Distributional:
 - Two Humanities Division courses
 - Two Natural Science and Mathematics Division courses
 - Two Social Science Division courses
- (3) Business Administration;
 - BA 102, 103, 200, 204, 205, 220, 303, and 307.
- (4) Related courses:
 - ECC 101, SS 210.
- (5) Electives in Business Administration;
 - Two courses
- (6) Free electives:
 - Two courses.
- (7) Total course requirement: 22 courses.

Bachelor of Science Degree in Business Administration

The standard undergraduate degree in Business Administration is the Bachelor of

Science in Business Administration. The basic requisites for this degree include the requirements for any Bachelor of Science degree (either day or evening). These college requirements are as follows:

- (1) General: LCC 301, ENG 201.
- (2) Distributional:
Three Humanities Division courses
Four Natural Science and Mathematics Division courses
Three Social Science Division courses
- (3) Basic Business Administration courses:
BA 102, 103, 200, 204, 205, 220, 303, 307.
- (4) Related courses;
ECC 101, SS 210.
- (5) Electives in Business Administration:
Four courses.
- (6) Free electives: ten courses, no more than five of which may be in the Business Administration Department.
- (7) Total course requirement: 36 courses.

Students wishing to qualify for the B.A. in Business Administration degree instead of the standard B.S. degree described above must meet The Lindenwood Colleges' standard requirements for the B..A. degree. Essential program differences are:

- (1) In addition to B.S. requirements, students must develop a knowledge in depth of a foreign culture.
- (2) The distribution requirement is changed to two courses each in Humanities and Social Science and three courses in the Natural Science and Mathematics Division.
- (3) Depending upon courses taken for the distributional requirement, the number of free electives must be adjusted so that the total number of courses taken is 36.

For certain professional and governmental requirements, modifications in the

basic B.S. degree requirements are made for students wishing to qualify. Specifically designated areas of emphasis are as follows:

- (1) For Office Management emphasis within a major in Business Administration, three of the four elective courses in Business Administration are changed to the following required courses:
BA 61, Intermediate Typewriting
BA 62 Production Typewriting
BA 301 Managerial Accounting
BA 370 Office Management
(Since BA 61 and 62 are ½ courses, one course remains as an elective.)
- (2) For Professional Secretarial emphasis within a Business Administration major, the four elective courses plus two of the free electives must be replaced by the following required courses:
BA 61, Intermediate Typewriting
BA 62 Production Typewriting
BA 261 Elementary Shorthand
BA 362 Intermediate Shorthand
BA 363 Advanced Shorthand
BA 377 Secretarial Procedures
BA 301 Managerial Accounting
- (3) For students interested in preparing for the Certified Public Accountant examination, a heavy concentration of courses in accounting, selected with approval of a faculty advisor, is recommended.

Degrees in Psychology

A major in psychology is available entirely in the evening. Individualized planning permits a wide variety of educational experiences in psychology to be worked into the typically tight schedules of evening students.

Both the B.A. and B..S. degrees in psychology are available. The requirements for this major include 8-12 courses in psychology and 2-4 courses in other departments of the Social Sciences Division.

These courses are required for psychology majors: SS 210, PSY 100, PSY 300, and a field study in psychology. The field study may be in either experimental, developmental, interactive or applied psycholo-

gy, and gives the advanced student the opportunity to obtain special experience in either a research, educational or clinical setting.

Students who do not plan graduate study in psychology are encouraged to combine their interest in human behavior with studies in business, communications arts, sociology, biology or other area. Individually planned programs can prepare the Lindenwood graduate for careers in business including personnel, market research and sales; for careers in the helping agencies, including youth services, alcoholism treatment and drug abuse centers, social casework and health education; and for creative roles in day care centers, nursing homes and health care agencies.

A student concentrating in psychology may also elect to pursue the Human Resources Administration program by including PSY 324, Psychological Testing, in the psychology concentration and by developing a seven course minor emphasis in Business Administration: BA 102, 200, 204, 220, 240, 341, and 348.

The Human Resources Administration program is designed to prepare students for the growing and increasingly technical field of personnel administration. It offers the psychology major viable vocational preparation within the liberal arts framework.

Degree in Sociology/Administration of Justice

The Evening College program in the Administration of Justice is administered by the Sociology Department and is designed to prepare persons for professional careers in law enforcement and in corrections, particularly juvenile corrections. The program combines a range of social science materials with the specific Administration of Justice subject matter, all set firmly in the liberal arts context.

In addition to the general college requirements, the B.S. degree in Administration of Justice requires the following courses:

SOC 100, 208, 322, 326.
PSY 101, 103.
CA 190.
SAJ 241, 242, 343.

Either SAJ 450 (Internship with two course credits) or two units of SAJ 400 (Field Study).

Two selections from SAJ 344, 345, 346, and 347.

Additional elective courses to complete the total of 36 required for the degree may be chosen, in consultation with an academic advisor, from the areas of sociology, psychology, political science and business administration to reflect the student's particular interests or career objectives.

Degrees in Studio Art

The B.A. and B.S. degrees in Studio Art are available in the Evening College. The principal areas of study include: ceramics, design, drawing, painting, printmaking and sculpture.

The major in Studio Art for the B.A. and B.S. degrees requires a minimum of seven studio art courses and two art history courses. No more than twelve studio courses and four courses in art history may be counted toward the graduation requirement of 36 courses. Requirements for the major include:

- (1) Introductory core: ART 106, 236, 208.
- (2) Drawing: one course.
- (3) Three-dimensional area (ceramics, sculpture, other): one course.
- (4) Studio Art electives: one to five courses, in which an area of emphasis should be developed.
- (5) Art History: two to four courses.

In addition to the standard offerings in studio art listed in the catalog, the student may include independent study, field study, and an internship as part of the major program of study. Art studio courses numbered above 200 may be repeated one or more times. Studio art courses are not open for audit.

The Studio Art Faculty reserves the right to retain a copy of prints done under its instruction. Works of student art in other media may be reserved by the faculty for a period of up to two years following a student's graduation.

LINDENWOOD COLLEGE FOR INDIVIDUALIZED EDUCATION

At the Lindenwood College for Individualized Education, students plan their own programs and carry them out in a supportive learning community consisting of faculty, fellow students, and resource persons. Located in two regional centers, Lindenwood IV offers programs leading to the Bachelor of Arts, Science and Fine Arts Degrees. At the graduate level, it offers programs leading to the Master of Arts and Master of Fine Arts degrees.

The basic learning group in Lindenwood IV is called a cluster group to differentiate it from a traditional class or course. A cluster group differs from a class because the central process is dialogue: mutual interaction among students and faculty. In weekly meetings of 3-5 hours, students share their learning, present their work and discuss and participate in group activities. The cluster identifies group learning objectives and the sponsor coordinates these with the individual's learning objectives for the trimester of 14 weeks.

Some Lindenwood IV students, especially graduate students, carry out their learning experiences in a tutorial arrangement in which they meet individually or in pairs with a Faculty Sponsor for 2-3 hours weekly. In addition to the tutorial meetings, the student meets regularly with the Faculty Administrator to review his/her progress in meeting learning goals.

Necessary Details—All Programs

For both the undergraduate and graduate programs, students remain enrolled in Lindenwood IV for the number of trimesters it takes to complete the objectives set forth in the finalized Program Overview, including the Culminating Project.

The Culminating Project

The successful completion of a Culminating Project is required of all students in Lindenwood IV in order to receive a degree. This project is presented at the close of a student's entire program.

For undergraduates it brings together some of the major aspects of the overall study and demonstrates some of the skills acquired. An undergraduate Culminating Project may be a paper, a case study or almost any variety of demonstration, including film or dramatics.

For graduate students, the Culminating Project is a major undertaking in the form of a thesis, a paper or a project, including the use of a wide variety of media as appropriate. It demonstrates the mastery of concepts and skills that the student set out to gain in the Program Overview. If the project is not primarily in written form, it must have a written analytical component.

Portfolio

Both undergraduate and graduate students maintain a portfolio of their study plans, completed work, and evaluations throughout the program. They may also keep a log or journal to serve as a record from which to write the Trimester Summary.

The Narrative Transcript

The Trimester Summary, written at the end of each trimester's study, is considered part of the trimester work. This document, written in a specified format (see the Handbook) is a helpful review for the student at the end of the term and serves as the basis for the writing of the Narrative Transcript. This transcript, which includes a description and evaluation of all the student's work, is the official record of study and achievement in Lindenwood IV.

Costs

Tuition is \$925 per trimester in both the undergraduate and graduate programs. Students may pay in installments, making the first payment by the opening weekend workshop and executing an installment note to The Lindenwood Colleges. No student can be credited for a trimester's work until tuition has been paid in full.

Tuition refunds in the case of withdrawal are as follows:

First two weeks — 75% refund

Second two weeks — 50% refund
Fifth and sixth weeks — 25% refund
Beyond first business day past six
weeks from opening weekend work-
shop — no refund

can easily meet weekly with their Faculty
Sponsors and can attend monthly colloquia
at a center.

Other costs include a \$15 non-refund-
able application fee, a \$5 activities' fee per
trimester and \$25 (for undergraduates) or
\$30 (for graduate students) graduation fee.
Undergraduates who receive advanced stand-
ing credit for Critical Life Experience must
pay \$25 per Lindenwood course credit to
cover the processing costs.

Financial Aid

Scholarship assistance is available for
Lindenwood IV students; awards are based
primarily on need. In addition to scholar-
ships, various grants are available through
private and governmental sources. Students
are eligible to apply for federally-insured
loans and veterans' benefits.

Special Grants: Master's in Education

A special grant is available to all in-
service certified teachers who want to earn
a master's degree in education through Lin-
denwood IV. With the assistance of the
grant, they pay only \$800 for each of three
trimesters' work and \$350 for the fourth
trimester. The Master's in Education Pro-
gram is on a special credit track so that the
first three trimesters are credited as nine
semester hours and the final one as six
semester hours.

Lindenwood IV does not offer teacher
certification due to the highly individualized
nature of study. Students who are inter-
ested in certification should check with the
Education Department of The Lindenwood
Colleges which is authorized by the National
Council for Accreditation of Teacher Educa-
tion to grant certification.

Study Away from St. Charles or St. Louis

All undergraduate students must be
within commuting distance of a center in
order to participate in the committee meet-
ings, seminars and other learning activities.
A limited number of graduate students may
be accepted who live in areas not readily
accessible to a center provided that they

Calendar

The academic year is divided into
three trimesters, the dates of which are
given below. Students may enter the pro-
gram at the beginning of any trimester.

Fall, 1978:

September 30 — January 13
(Holiday Break: December 22 —
January 1)

Winter, 1979:

February 3 — May 12

Summer, 1979:

June 2 — September 8

Fall, 1979:

September 29 — January 12
(Holiday Break: December 22 —
January 1)

Winter, 1980:

February 2 — May 10

Summer, 1980:

June 7 — September 13

Administrative Director's Office

John Burd, Ph.D., *Administrative Direc-
tor.*

Lucy Morros, Ph.D., *National Program
Coordinator.*

Centers

Lindenwood IV
The Lindenwood Colleges
St. Charles, Missouri 63301
314/723-7152 or 946-6912 (toll-free from
St. Louis)

Craig Eisendrath, Ph.D.

Lucy Morros, Ph.D.

Richard Rickert, Ph.D.

Faculty Administrators

Lindenwood IV
4653 Maryland Avenue

Boyd Morros, Ph.D.
John McClusky, Ph.D.
Evadne McNeil, M.S.
Faculty Administrators

Special Programs

Registered Nurses

The Evening College actively participates in a program whereby graduates of an accredited diploma school of nursing or nurses with associate degrees can earn a bachelor's degree. These students may select from several majors. Business Administration and pre-Hospital Administration have proven to be popular choices of emphasis.

Diploma school of nursing graduates are awarded 9 courses of credit toward the bachelor's degree for their clinical training and theoretical courses in nursing. Nurses with associate degrees receive 6 courses of credit. Additional credit is given for approved college level courses in science, humanities and social sciences; e.g., anatomy and physiology, chemistry, microbiology, psychology, sociology, religion/philosophy, ethics.

Bachelor of Science in Nursing

The Bachelor of Science in Nursing program is available in the Evening College. For a description of that program, see page 62 in this catalog.

Certified Professional Secretaries

Upon admission to Lindenwood and presentation of the C.P.S. certificate, a Certified Professional Secretary will be awarded up to 7½ courses of credit in selected business and economics areas plus up to 1½ courses of credit for the experience requirement for C.P.S. status. Additional college level work and/or experience will be considered for credit beyond the 9 courses stipulated above.

Air Traffic Controllers

Upon presentation of certification of

Phase V status, an Air Traffic Controller is awarded credit for up to a maximum of 12½ courses towards a bachelor's degree program.

Additional work in military, technical, or FAA-sponsored courses will be individually considered. FAA supervisory personnel who have completed the Management Training Course at Lawton, Oklahoma, will in addition to the above be awarded credit for 2 courses in management.

Industrial Management

This program, in cooperation with the University College of Washington University in St. Louis, is planned to satisfy demands of industry for persons qualified in the increasingly important fields of industrial production and management. The courses are designed to give a brief, intensive survey of the numerous fields requisite to an understanding of and competence in industrial planning, production and controls.

Hospital and Health Care Administration

This program focuses on the managerial processes in the health care setting by providing a background in administrative, financial, medical and legal viewpoints. Guest lecturers assist in highlighting specific areas of study such as Nursing Administration, Medical Staff Organization and Hospital Law. Students are concerned with evolving community health care needs and consumer pressures on the health care industry. The internship program affords the student an opportunity to become familiar with the daily operations and functions experienced in the working environment.

SERVICES

Library

The Margaret L. Butler Memorial Library is open to all students and faculty at hours designated at the beginning of each term. All three levels of the building contain ample study carrels, study tables, lounge areas and conference rooms scattered throughout the book stacks. The lower level contains the Learning Resources Center. The Center includes a language lab, audio-visual hardware and software, curriculum guides and education texts. The study lounge in the Center is open after regular li-

brary hours for the student who needs to study late in a quiet spot.

At present the library has a collection of 80,000 volumes and receives 600 periodicals. The library is privileged to be a designated selective depository for U. S. Government publications. The non-print collection includes over 5,200 microfilms, 2,500 records and tapes, and 2,300 slides. Through the library's membership in the Ohio College Library Center, OCLC, a national bibliographic center, the student has access to a wide scope of bibliographic information. The machine information is a supplement to the personalized reference service by the library staff.

Health Services

Medical services are available to resident students. A full-time registered nurse is on duty from 8 a.m. to 5 p.m. daily and patient care is provided by a group of consulting physicians. Facilities of the large modern, fully equipped St. Joseph's Hospital in St. Charles, only a few blocks from the campus, are available at all times to Lindenwood students under an agreement between the hospital and The Colleges.

The Student Center

Situated in the middle of the campus, the Center is a focal point for student activities. It houses the Student Government Offices, the IBIS and yearbook offices, the Counsellor's office, as well as a Game Room, Snack Bar, and various lounges.

College Counsellor

In addition to personal counselling, the Counsellor assists students with academic problems. She conducts workshop in study methods, administers aptitude tests, and works closely with the Deans and faculty members in helping students adjust to the college.

ESL Program

The English as a Second Language (ESL) Program is for students with little or no knowledge of the English language. There are classes on the beginning, intermediate, and advanced levels, for students from

foreign countries. Academic credit is given for these classes.

Placement and Career Planning

Lindenwood maintains a full-time Placement Office for students and alumni of all four colleges who are seeking vocational information, employment after graduation, or entrance to professional schools and graduate schools. Membership is held in the Midwest College Placement Association and the College Placement Council.

A variety of services are offered to serve this purpose:

†Vocational information is provided, including brochures, booklets, directories, and reference books prepared by publishers, professional organizations, companies and governmental agencies.

†Scheduled interviews on campus and referrals to offices and plants provide students with an opportunity to talk with employers.

†Part-time and summer employment information and help are provided.

†Graduate catalogs, testing information, and information on scholarships and financial aid are available.

†Credential files are established for seniors to help in the job search or application for advanced study; there is no charge for this service. The credential file can be reactivated by alumni at any time. There is a \$2 charge for each transcript sent as a part of his file for alumni.

Alumni Affairs

The Colleges maintain an Office of Alumni Affairs whose staff is responsible for collecting and editing alumni news, coordinating the Key Persons Program and maintaining a current file of names and addresses of more than 9500 alumni.

Planning for reunions and support of club activities form another part of the alumni association. An alumni career ad-

visory service, alumni college and a more extensive travel program are being initiated.

DIRECTORY

Board of Directors

Executive Committee

Robert Hyland, Chairman
George W. Brown, Vice Chairman
Walter L. Metcalfe, Jr., Secretary
David E. Babcock, Treasurer
Mrs. Russel J. Crider, Member at Large

Term of Office 1977-1979

Robert Hyland, LL.D., St. Louis,
Missouri (1971)
Jefferson L. Miller, St. Louis, Missouri
(1972)
John Tlapek, El Dorado, Arkansas (1978)
Mrs. Dorothy Warner, *Alumna*, Washing-
ton, D. C. (1972)

Term of Office 1977-1980

John H. Biggs, St. Louis, Missouri (1978)
George W. Brown, St. Louis, Missouri (1969)
Walter L. Metcalfe, Jr., St. Louis, Missouri
(1969)
Roland T. Pundmann, St. Charles, Missouri
(1973)

Term of Office 1978-1981

Mrs. Russell J. Crider, St. Charles, Mis-
souri (1976)
Mrs. James C. Hamill, *Alumna*, Oklahoma
City, Oklahoma (1970)
John C. Hannegan, St. Charles, Missouri
(1977)
Earl J. Wipfler, Jr., M.D., St. Charles,
Missouri (1970)

Board of Overseers - Life Members

William H. Armstrong, St. Louis, Missouri
(1944)
John M. Black, LL.D., Corona Del Mar, Cali-
fornia (1963)
Arthur S. Goodall, St. Louis, Missouri
(1973)
The Reverend W. Davidson McDowell, D.D.,
Tokyo, Japan (1960)
Mrs. James A. Reed, LL.D., *Alumna*, Kansas
City, Missouri (1953)



- Mrs. Arthur Stockstrom, L.H.D., Clayton,
Missouri (1949)
Mrs. Horton Watkins, L.H.D., Clayton,
Missouri (1957)

Board of Overseers

Term of Office 1977-1980

- Mrs. J. L. Smith, *Alumna*, Houston, Missouri
(1970)

Term of Office 1978-1981

- Mrs. K. K. Barton, *Alumna*, Kansas City,
Missouri (1970)
David Q. Reed, Kansas City, Missouri
(1969)
Thomas R. Remington, St. Louis, Mis-
souri (1970)
Mrs. Warren McK. Shapleigh, St. Louis,
Missouri (1973)

Business Leaders Advisory Council

- Mr. D. C. Arnold, President
McDonnell-Douglas Electronics Co.
Mr. M. E. (Gene) Ayers, Manager
Southwestern Bell Telephone Co.
Mr. T. Ellis Barnes, Vice President
Merrill, Lynch, Pierce, Fenner &
Smith Inc.
Mr. Melvin Bloom, CPA
Hochschild, Bloom & Dardick
Mr. Charles W. Boswell, Dist. Manager
Union Electric Co.
Mr. Raymond E. Botz, CPA
Botz, Goerss & Co.
Mr. Robert J. Coleman, Jr., Administrator
St. Joseph's Hospital
Mr. Alfred Fleishman
Fleishman-Hillard, Inc.
Mr. B. A. Gustafsen, Vice President
ACF Industries
Shippers Car Line Division
Mr. Henry Houser, Manager
Training & Development
Monsanto Co.
Mr. Richard Johannesman, Vice President
Bond Department
Mercantile Bank
Mr. Clem L. Maher, Partner
Price-Waterhouse & Co.
Mr. J. Bruce McBrayer
Angelica Corporation

- Dr. P. K. Misra, Manager
Systems Planning Application
Development, Ralston-Purina Co.
Mr. H. W. Neuwoehner, President
Batiz-Hodgson-Newwoehner Ad-
vertising
Mr. James O'Hara, Vice President
Amcar Division
ACF Industries
Mr. Don Phillips
Emerson Electric Co.
Mr. James Stolze
Peat Marwick and Mitchell
Mr. Jack Tlapek, Geologist
El Dorado, Arkansas
Mr. Richard A. Williams
Reinholdt & Gardner, Inc.

Emeriti

- McCluer, Franc Lewis, *President, 1947;*
President Emeritus of the College,
1966. A.B., M.A., Westminster Col-
lege; Ph.D., University of Chicago;
LL.D., Westminster College, LL.D.,
Washington University; LL.D.,
Waynesburg College; LL.D., Univer-
sity of Missouri; LL.D., Lindenwood
College.

Ambler, Mary E., *Associate Professor, Li-*
brarian, 1964; Librarian Emeritus,
1974. B.A., Lindenwood College;
B.S. in Library Science, Columbia
University; M.S., University of Chi-
cago.

Beale, Lula Clayton, *Registrar, 1952; Regis-*
trar Emeritus, 1974. A.B., Murray
State College; M.A., George Peabody
College for Teachers.

Boyer, Martha May, *Professor, Communi-*
cation Arts, 1946. B.A., Maryville
College; M.A., University of Wiscon-
sin; graduate work: Ohio State Uni-
versity, Washington University; Study,
British Broadcasting Company, Lon-
don.

Clevenger, Homer, *Professor, History and*
Political Science, 1941; Professor
Emeritus, 1968. B.S. in Ed., Central

- Missouri State Teachers College; M.A., George Peabody College for Teachers; Ph.D., University of Missouri; LL.D., Drury College.
- Conover, C. Eugene**, *Margaret Leggat Butler Professor of Philosophy and Religion, 1948; Professor Emeritus, 1970.* A.B., College of Wooster; B.D., Union Theological Seminary; A.M., Ph.D., University of Cincinnati.
- Doherty, Thomas W.**, *Professor, Modern Languages, 1950; Professor Emeritus, 1977.* B.A., Westminster College; M.A., Middlebury College; Certificat de Prononciation Francaise, Institut de Phonetique, Paris; Diplome de Litterature Francaise Contemporaine, Sorbonne, Paris; D.M.L. Middlebury College.
- Isidor, Gertrude**, *Professor, Music, 1925; Professor Emeritus, 1965.* Artist Diploma, Post Graduate Diploma with Distinction, Cincinnati Conservatory of Music; Pupil of Tirindelli, Albert Stoessel, Robert Perutz, George Leighton, Edgar Stillman-Kelly; Violin and Theory, American Conservatory of Music.
- Lichtner, Mary F.**, *Dean of Students, Professor, 1948; Dean of Continuing Education and Career Planning, 1968; Director of Alumnae Affairs and Placement, 1974; Dean Emeritus, 1976.* A.B., Wellesley College; M.A., University of Chicago.
- Moore, John B.**, *Chairman, Professor, Economics, 1950; Professor Emeritus, 1975.* A.B., Westminster College; M.A., University of Missouri; graduate work, University of Michigan; Ph.D., University of Missouri.
- Purnell, Emma**, *Associate Professor and Director, Business Institute, 1955; Associate Professor Emeritus, 1972.* B.A., M.A., Washington University.
- Rechtern, Marion Dawson**, *Professor, Biological Science, 1936; Professor Emeritus, 1970.* A.B., University of Wisconsin; M.S., Northwestern University; Ph.D., Cornell University.
- Ross, Dorothy**, *Professor, Physical Education, 1946; Professor Emeritus, 1970.* B.S., Central Missouri State College; M.A., Colorado State College of Education; graduate work, Indiana University.
- Sibley, Agnes**, *Professor, English, 1943; Professor Emeritus, 1974.* B.A., M.A., University of Oklahoma; Ph.D., Columbia University.
- Talbot, Mary**, *Professor, Biological Science, 1936; Professor Emeritus, 1968.* B.S., Denison University; M.A., Ohio State University; Ph.D., University of Chicago; Stone Biological Laboratory; Michigan Biological Laboratory.
- Toliver, Hazel M.**, *Chairman, Professor, Classics, 1957; Professor Emeritus, 1974.* B.A., M.A., University of Arkansas; Ph.D. State University of Iowa.

Past Presidents

- 1827-1856 — Mary Easton Sibley, *founder-owner-administrator*
- 1856-1862 — A. V. C. Schenck, A.M.
- 1862-1865 — Thomas P. Barbour, A.M.
- 1866-1870 — French Strother
- 1870-1876 — J. H. Nixon, D.D.
- 1876-1880 — Miss Mary E. Jewell
- 1880-1898 — William Simms Knight, D.D.
- 1898-1903 — Matthew Howell Reaser, Ph.D.
- 1903-1913 — George Frederic Ayres, Ph.D.
- 1913-1914 — John Fenton Hendy, D.D.
- 1914-1940 — John L. Roemer, D.D., LL.D.
- 1941-1946 — Harry Morehouse Gage, A.B., D.D., LL.D.
- 1946-1947 — Administrative Committee (Guy C. Motley, A.B., Chmn.)
- 1947-1966 — Franc L. McCluer, Ph.D., LL.D.
- 1966-1973 — John Anthony Brown, M.A., LL.D., L.H.D., Litt.D.
- 1973-1974 — Franc L. McCluer, Ph.D., LL.D.

Administrative Staff

Office of the President

William C. Spencer, B.A., M.A., Ed.D.,
President

Mary E. Yonker, A.B., Assistant to the
President

Office of the Dean, Lindenwood College for Women

Doris Crozier, M.A., L.H.D., Dean of the
College
Shirley McIntosh, Office Assistant

Office of the Dean, Lindenwood College for Men

Patrick F. Delaney, Jr., Ph.D., Dean of the
College
Shirley McIntosh, Office Assistant

Office of the Director, Lindenwood Evening College

John S. Burd, Ph.D., Administrative Director
Judith Brown, Administrative Assistant

Office of the Director, Lindenwood College for Individualized Education

John S. Burd, Ph.D., Administrative Director
Pauline Hammen, Administrative Assistant

St. Charles Center Staff - Lindenwood IV

Craig R. Eisendrath, Ph.D., Faculty Ad-
ministrator

Lucy Morros, Ph.D., Faculty Administrator,
Program Coordinator

Richard Rickert, Ph.D., Faculty Administra-
tor

Betty Barro, Office Assistant

St. Louis Center Staff - Lindenwood IV

Boyd Morros, Ph.D., Faculty Administrator
John McClusky, Ph.D., Faculty Adminis-
trator

Maggie Grundhauser, B.A., Office Assistant

Admissions Office

Frank W. Hetherington, B.A., M.S. in Ed.,

Director of Admissions and Financial
Aid

Amy Basore, B.A., Assistant Director
Shirley B. Darling, B.A., Assistant Director
Miriam King-Watts, B.S., M.A., Assistant
Director

Bernard W. Weinrich, B.S., M.B.A., Assis-
tant Director

Sarah H. Fulton, Office Assistant

Audrey Kalist, Office Assistant

Alumni Affairs and Placement

Dorothy K. Barklage, B.S., Director of
Alumni Affairs and Placement

Connie Bine, Office Assistant

Bookstore and Post Office

Mary Jane Boschert, Manager, Bookstore

Darlene Jemison, Clerk, Bookstore

Gene Schaberg, Supervisor, Post Office
and Mailing Services

Buildings and Grounds

Charles S. Anderson, Supervisor of Build-
ings and Security

Vernon Hallemeier, Supervisor of Grounds

Carol Whitman, Clerk

Campus School

Shirley Walsh, B.A., Assistant Director

Syble Lawther, Lay Assistant

Joan Weaver, Office Assistant

Computer Center

Dominic Soda, Ph.D., Director

Linda Nelson, Ph.D.

Martha Bunting, Administrative Assistant

Office of the Controller

Joseph W. Schwarzbauer, Director

Eunice Dickens, Accounts Payable

Mary Meier, Accounts Receivable

Kenneth Wright, Accounting Assistant

Development Office

Jeffrey G. Nemens, M.A., Director of
Development and Public Relations

Robert Colvin, B.A., Development Officer

Barbara Marentette, M.A., Public Informa-

tion Assistant
Elinor M. Harms, Office Assistant

Foreign Student Center

Susan Relyea, B.S., Director
Arlene Sueoka, M.A., Instructor

Health Center

Anne Lewis, R.N., Nurse

Library

Patricia J. Delks, A.B., M.L.S., Librarian
Cecilia Staudt, B.S., M.S., M.L.S., Reference
Librarian
Jan Cutsinger, B.A., M.L.S., Acquisitions
Librarian
Solon R. Chervitz, B.A., M.A., Cataloger
Shirley McCormick, Office Assistant and
Technical Services Assistant

Operations

William H. Weber, A.B., B.S., Director
Alice M. Wise, Purchasing Agent and Con-
ference Coordinator
Betty Fink, Personnel Coordinator and Of-
fice Assistant
Jan Holdman, Clerk

Publications and Printing

Liz Beck, Operator

Student Counseling

Janice Jackson Vails, B.S., M.E., Director of
Counseling Services, Testing and Inter-
cultural Programs

Summer Session

James F. Hood, Ph.D., Director
Dorothy Irvine, Office Assistant

Office of the Registrar

John N. Bartholomew, Th..D., Registrar
Eva Emory, B.A., Associate Registrar
Judy Hales, M.S., VA Coordinator
Diana Olson, Office Assistant
Linda Peeler, B.A., Transcript Writer

Telephone Switchboard

Maxine Ferguson, Operator

Word Processing Center

Rosemary Mueller, Supervisor
Bettye Behle
Eleanor Mack
Shirley Wade

Departmental Office Assistants

Darlene Anderson, Business Administration
Maejean Nothstine, Music
Joan Weaver, Education



FACULTY

AMONAS, GRAZINA O., *Associate Professor, Dance and Physical Education, 1954*; B.A., Physical Education College; M.A., University Vytautas the Great, Kaunas, Lithuania; Certificat d'Aptitude a l'Enseignement du Francais, Alliance Francais, Paris; Doctoral studies, Connecticut College School of Dance and University of Wisconsin; Modern dance study with Mary Wigman, Rosalia Chladek, Murray Louis, Alwin Nikolais (1973, 1974), Barbara Mettler, Laban Art of Movement Center, England; Orff Center Salzburg (1972, 1975).

ANDERSON, DARYL JACQUELINE, *Associate Professor, Biology, 1970*; B.S., Western Michigan University; Ph.D., Washington University. Post-doctoral fellow, Center for the Biology of Natural Systems, 1970.

BALOG, C. EDWARD, *Assistant Professor, History, 1973*; B.A., M.A., West Virginia University; Ph.D., University of Illinois at Urbana-Champaign.

BARNETT, HOWARD A., *Alice Parker Professor of English Literature, Chairman, 1965*; B.A., M.A., Indiana University; graduate study, University of Chicago; Ph.D., Indiana University.

BARTHOLOMEW, JOHN N., *Chairman, Associate Professor, Sociology, 1969*; B.A., Cornell University; B.D., Princeton Theological Seminary; Th.D., Princeton Theological Seminary.

BAUER, JOHN D., M.D., *Adjunct Professor, Medical Technology, 1972*; M.D., Marquette University.

BERG, JACOB, *Instructor, part-time, Music, 1970*; Graduate, Curtis Institute of Music, Peabody Conservatory of Music; Principal Flautist, St. Louis Symphony Orchestra.

BIGGS, PENELOPE P., *Coordinator, Language, Literature, Philosophy and Religion, Assistant Professor, English, 1974*; B.A., Radcliffe College; M.A., Ph.D., Washington University.

BIRGE, CLIFFORD A., M.D., *Adjunct Professor, Medicine, 1976*; A.B., Amherst College (cum laude); M.D., Washington University (cum laude).

BITTNER, FERN PALMER, *Assistant Professor, Physical Education, 1957*; B.S., Lindenwood; graduate work, University of Missouri; Senior Recognized Judge and Steward of the American Horse Shows Association.

BITTNER, GROFF STEWART, *Assistant Professor, Music, 1961*; B.S., Indiana Central College; M.Mus., Indiana University; further study with Ozan Marsh, Patricia Benkman, and Reah Sadowsky. Doctoral candidate at University of Missouri-Kansas City Conservatory of Music.

BORNMANN, JOHN A., *Chairman, Professor, Chemistry, 1965*; B.S., Carnegie Institute of Technology; Ph.D., Indiana University; further study, Technische Hochschule, Stuttgart, Germany.

BRESCIA, VINCENT T., *Associate Professor, Biology, 1969*; B.A., Central College; M.S., Florida State University; Ph.D., Florida State University.

BROWN, Gene R., *Adjunct Professor of Medicine, 1978*; B.S., University of Iowa; M.A., University of Iowa.

BURD, JOHN S., *Chairman, Professor of Education, Director of Graduate Programs in Education, Teacher Certification Officer, 1976*; B.M.E., Greenville College; M.S.M., Christian Theological Seminary and Butler University; Ph.D., Indiana State University.

BURR, CATHERINE M., *Instructor, part-time, Education, 1975*; B.S., Iowa State University; M.S.L.S., Columbia University.

CHERVITZ, SOLON, *Instructor, Cataloger, 1977*; B.A., Washington University; M.A., Library Science, University of Missouri-Columbia.

COLEMAN, ROBERT, *Instructor part-time, Music, 1970*; B.M.E., Eastman School of Music; Clarinetist, St. Louis Symphony Orchestra.

- CONOVER, CHRISTINE C., *Instructor, part-time, Music, 1976*; B.Mus., MacMurray College; M.M., University of Michigan; Graduate Fellow, Juilliard School of Music; Graduate Fellow, Knocker School of Violin Playing, London, England; Violin pupil of Leopold Auer.
- COOPER, KENNETH, *Instructor, part-time, Business Administration, 1977*; B.S., M.S., University of Missouri-Columbia; graduate work, Webster College.
- CROZIER, DORIS, *Associate Professor, Sociology, 1972*; B.A., Trinity College; M.A., New York University; L.H.D., St. Joseph's College.
- CRAIG, CAROL, *Assistant Professor of Physical Education, 1973*; B.S., M.S., Northeast Missouri State University.
- CRUZ, MARY ALICE, *Instructor, part-time, Biology, 1975*; B.A., Clarke College; M.S., St. Louis University.
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CALENDAR 1978-1979

SEPTEMBER

M - 4 New Students Arrive, L.C. I, II
T, W - 5, 6, Orientation, Registration
Th - 7 Classes Begin, L.C. I, II, III
S - 9 End of Summer Trimester, L.C. IV
S - 30 Beginning of Fall Trimester, L.C. IV

OCTOBER

W - 18 Founders Day

NOVEMBER

Th - S - 23-26 Thanksgiving Recess
M - 27 Classes Resume, L.C. I, II, III

DECEMBER

M - 11 Last Day of Classes, L.C. I, II, III
T - 12 Reading Day
W - T - 13-19 Final Exams, L.C. I, II, III
W - 20 End of Fall Term, L.C. I, II, III
F - 22 Christmas Break Begins, L.C. IV

JANUARY

M - 1 Trimester Resumes, L.C. IV
M - 8 January Term Begins, L.C. I, II, III
S - 13 End of Fall Trimester, L.C. IV

FEBRUARY

S - 3 January Term Ends, L.C. I, II, III
S - 3 Winter Trimester Begins, L.C. IV
M - 4 Spring Term Begins, L.C. I, II, III

MARCH

S - S - 25-Apr. 1 Spring Vacation

APRIL

M - 2 Classes Resume, L.C. I, II, III

MAY

W - 9 Honors Day
S - 12 Winter Trimester Ends, L.C. IV
T - 15 Last Day of Classes, L.C. I, II, III
W - 16 Reading Day
Th - T - 17-22 Final Exams, L.C. I, II, III
F - 25 Baccalaureate
S - 26 Commencement

JUNE

S - 2 Summer Trimester Begins, L.C. IV
M - 4 Summer Session Begins

JULY

F - 27 Summer Session Ends

SEPTEMBER

S - 8 Summer Trimester Ends, L.C. IV

CALENDAR 1979-1980

SEPTEMBER

M - 3 New Students Arrive, L.C. I, II
T, W - 4, 5 Registration and Orientation
Th - 6 Classes Begin, L.C. I, II, III
S - 8 Summer Trimester Ends, L.C. IV
S - 29 Fall Trimester Begins, L.C. IV

OCTOBER

W - 17 Founders Day

NOVEMBER

Th - S - 22-25 Thanksgiving Recess
M - 26 Classes Resume, L.C. I, II, III

DECEMBER

M - 10 Last Day of Classes, L.C. I, II, III
T - 11 Reading Day
W - T - 12-18 Final Exams, L.C. I, II, III
W - 19 End of Fall Term, L.C. I, II, III
S - 22 Christmas Break Begins, L.C. IV

JANUARY

M - 2 Trimester Resumes, L.C. IV
M - 7 January Term Begins, L.C. I, II, III
S - 12 End of Fall Trimester, L.C. IV

FEBRUARY

S - 2 End of January Term, L.C. I, II, III
S - 2 Winter Trimester Begins, L.C. IV
M - 4 Spring Term Begins, L.C. I, II, III

MARCH

S - S - 23-30 Spring Vacation, L.C. I, II, III
M - 31 Classes Resume, L.C. I, II, III

MAY

W - 7 Honors Day
S - 10 Winter Trimester Ends, L.C. IV
T - 13 Last Day of Classes, L.C. I, II, III
W - 14 Reading Day
Th - T - 15-20 Final Exams, L.C. I, II, III
F - 23 Baccalaureate
S - 24 Commencement

JUNE

S - 7 Summer Trimester Begins, L.C. IV
M - 9 Summer Session Begins

JULY

F - 4 Holiday

AUGUST

F - 1 Summer Session Ends

SEPTEMBER

S - 13 Summer Trimester Ends, L.C. IV

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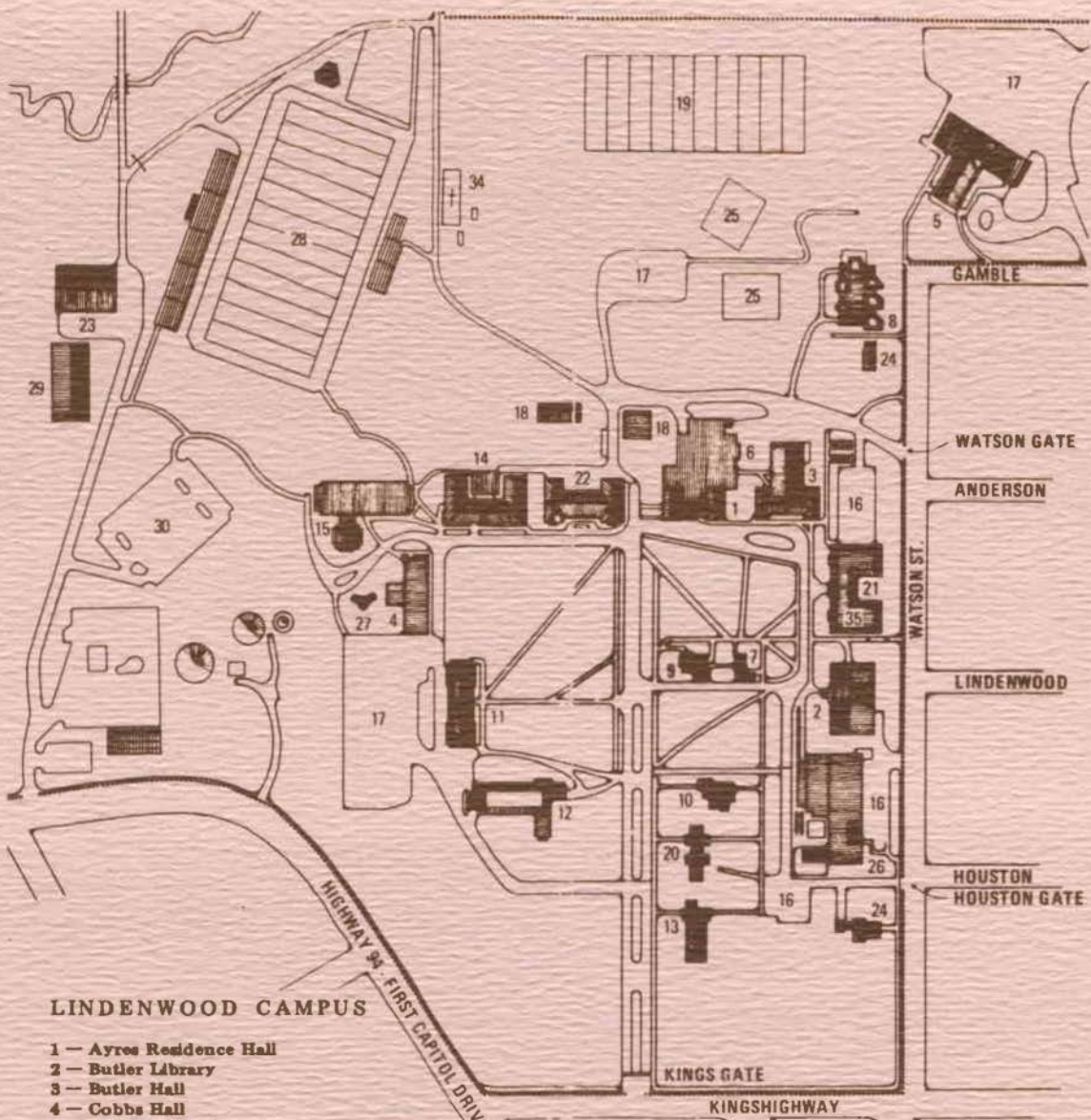
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†

This catalog was set in six and eight point Century medium, bold, and italic type on the campus in St. Charles, Missouri among the Linden trees by elves





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- | | | |
|-----------------------------|----------------------------------|----------------------------|
| 1 - Ayres Residence Hall | 15 - Parker Residence Hall | 24 - Staff Residence |
| 2 - Butler Library | 16 - Parking: Staff, Visitors | 25 - Tennis Courts |
| 3 - Butler Hall | 17 - Parking: Students, Visitors | 26 - Young Hall of Science |
| 4 - Cobbs Hall | 18 - Plant Services | 27 - Swimming Pool |
| 5 - College Chapel | 19 - Playing Fields | 28 - Athletic Field |
| 6 - Ayres Dining Hall | 20 - President's House | 29 - Riding Arena |
| 7 - Student Center | 21 - Roemer Hall | 30 - Parking Lot |
| 8 - Fine Arts Building | 22 - Sibley Residence Hall | 34 - Founders Cemetery |
| 9 - Student Center | 23 - Stables | 35 - Jelky Center |
| 10 - Faculty House | | |
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| 12 - McCluer Residence Hall | | |
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