

*Archives*

ADMINISTRATIVE OFFICERS

Indiana University

James J. Ryan, Ph.D., President of the University (appointed, effective September 1, 1968)

Harold B. Wiersma, A.M., Ph.D., Chairman of the Board of Trustees (appointed, effective September 1, 1968); President of the Indiana University Foundation

J. A. Kautz, B.S., Vice-President, Board of Trustees

Laura J. McArthur, J.D., Ph.D., Vice-President for Research, and Dean of Advanced Studies

John W. Ryan, Ph.D., Vice-President for Regional Campuses

John W. Ryan, Ph.D., Vice-President and Dean for Undergraduate Development

Joseph J. Ryan, Ph.D., Vice-President and Dean of the Faculty

Eric R. Johnson, Ph.D., Director of the Office of Research and Statistics

John W. Ryan, Ph.D., Dean of the Division of Regional Campuses and of the Division of Undergraduate Studies

Robert R. Ryan, Ph.D., Associate Dean of the Division of Regional Campuses

Indiana University at South Bend

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Thomas H. Ryan, Ph.D., Administrator, Assistant for Special Programs

William H. Ryan, A.M., Administrator

Thomas E. Ryan, B.S., Director of University Relations and Business Programs

Katherine A. Ryan, M.S., Administrator



**INDIANA UNIVERSITY  
AT SOUTH BEND  
BULLETIN 1968-69**

## ADMINISTRATIVE OFFICERS

### Indiana University

ELVIS J. STAHR, B.C.L., LL.D., President of the University (resigned, effective September 1, 1968)

HERMAN B WELLS, A.M., LL.D., Chancellor of the University (Interim President, effective September 1, 1968); President of the Indiana University Foundation

J. A. FRANKLIN, B.S., Vice-President, and Treasurer

LYNNE L. MERRITT, JR., Ph.D., Vice-President for Research, and Dean of Advanced Studies

JOHN W. RYAN, Ph.D., Vice-President for Regional Campuses

JOHN W. SNYDER, Ph.D., Vice-President, and Dean for Undergraduate Development

JOSEPH L. SUTTON, Ph.D., Vice-President, and Dean of the Faculties

DON SCHERRER, Registrar, and Director of the Office of Records and Admissions

SMITH HIGGINS, Ph.D., Dean of the Division of Regional Campuses and of the Division of University Extension

RUFUS REIBERG, Ph.D., Associate Dean of the Division of Regional Campuses

### Indiana University at South Bend

LESTER M. WOLFSON, Ph.D., Dean, and Acting Chancellor

WALT P. RISLER, Ph.D., Associate Dean

ALBERT J. BEUTLER, A.M., Assistant Dean

JERRY C. DEETER, M.S., Assistant Registrar

JAMES B. ECKSTEIN, A.M., Director of the Computing Center

DONNA B. HARLAN, M.S., Librarian

EUGENE E. LOVE, M.S.W., Assistant to the Dean of the Junior Division

OTIS S. ROMINE, Business Manager

BEULAH P. SCHWANKE, A.M., Administrative Assistant

BARRY M. SCOTT, M.S.L.S., Reference Librarian

DOUGLAS H. SMITH, M.S., Administrative Assistant for Special Programs

WILLIAM H. TIBBETTS, A.M., Admissions Officer

THOMAS E. WHITE, B.S., Director of University Relations and Business Placement

KATHRYN A. WHITMAN, M.S., Reference Librarian

## Calendar

### Indiana University at South Bend

1968-69

#### First Semester

Registration.....	Sept. 11, 12, 13, W, Th, F
Classes begin.....	Sept. 16, M, 8 a.m.
Class change day.....	Sept. 20, F
Mid-term reports due.....	Nov. 8, F
Thanksgiving recess begins.....	Nov. 26, T, after last class
Thanksgiving recess ends.....	Dec. 2, M, 8 a.m.
Christmas recess begins.....	Dec. 21, S, after last class
Christmas recess ends.....	Jan. 6, M, 8 a.m.
Classes end.....	Jan. 16, Th
Exams begin.....	Jan. 17, F
Exams end.....	Jan. 24, F

#### Second Semester

Registration.....	Jan. 29, 30, 31, W, Th, F
Classes begin.....	Feb. 3, M, 8 a.m.
Class change day.....	Feb. 7, F
Mid-term reports due.....	March 28, F
Spring recess begins.....	March 29, S, after last class
Spring recess ends.....	April 7, M, 8 a.m.
Honors convocation.....	April 27, Sun, 3 p.m.
Founders Day at Bloomington.....	May 7, W
Classes end.....	May 23, F
Exams begin.....	May 24, S
Memorial Day holiday.....	May 30, F
Exams end.....	May 31, S
Commencement.....	June 5, Th
At Bloomington.....	June 9, M

#### Summer Session, 1969

Registration.....	June 16, 17, M, T
Classes begin.....	June 19, Th, 8 a.m.
Class change day.....	June 25, W
Independence Day holiday.....	July 4, F
Classes end.....	Aug. 8, F

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## General Statement

### INDIANA UNIVERSITY

Created in 1820 by an Act of the General Assembly, Indiana University has grown until it is now ranked the eleventh largest university in the nation in terms of full-time enrollment. The University is composed of fourteen schools and five academic divisions, with a faculty exceeding 2,500. To meet the needs of approximately 47,000 full- and part-time students, the University offers 5,000 courses of instruction in more than 100 departments. Its graduate divisions offer 36 advanced degrees in 62 areas.

Students from all fifty states and from many foreign nations are enrolled on its seven campuses: Indiana University, Bloomington; Indiana University at Fort Wayne; Indiana University—Northwest, Gary; Indiana University at Indianapolis; Indiana University—Southeast, Jeffersonville; Indiana University at Kokomo; and Indiana University at South Bend. Indiana University courses are also offered in a cooperative program at the Eastern Indiana Center of Earlham College in Richmond. Indiana University is a year-round operation, with two regular semesters, a three-session summer program at Bloomington, and summer sessions at the other campuses.

### INDIANA UNIVERSITY AT SOUTH BEND

Indiana University at South Bend is located on a beautiful site adjacent to the St. Joseph River in South Bend. The main building, Northside Hall, was dedicated in March, 1962, and the last building, Greenlawn Hall, began to be used in September, 1966. New construction currently is planned. In addition to housing classrooms, the buildings contain up-to-date facilities for language study, science laboratories, an art studio, library, student and faculty lounges, bookstore, administrative offices, and one of the most adequately equipped theaters in the state of Indiana, with a capacity of 800, which serves for student theatrical and musical events as well as for programs of general community interest.

The resident faculty is the core of the teaching staff, selected on the same basis as faculty appointed to serve at Bloomington. The resident faculty is supplemented by associate faculty members who have been approved for teaching specific courses by the appropriate departments and deans at Bloomington. These associate faculty members are drawn from qualified business and professional people in the community and from other colleges and universities.

University courses in the credit programs at Indiana University at South Bend are identical with the courses at Bloomington and they are intended for:

1. the student working toward a bachelor's degree in English, history, elementary education, or in certain fields in business (accounting, finance, management and administration, and marketing) who may complete all requirements at the South Bend Campus,
2. the young high school graduate who wishes to attend college on a full-time basis in his home locality,
3. the high school graduate—young or older—who wishes to work toward a college degree but whose responsibilities oblige him to take college classes on a part-time basis,
4. the adult student who desires to take college courses for improvement of his job status, or simply to satisfy his desire to continue formal learning,
5. the student who may be working for a degree at another campus and who finds it convenient to take part of his course work nearer home, and
6. the student who wishes to take courses applicable to graduate degrees.

## ADMISSION

An Indiana resident who (1) graduates from a commissioned (or accredited) high school, (2) ranks in the top half of his class, (3) makes scores above average for a high school senior on the College Board Scholastic Aptitude Test (SAT) or the American College Test (ACT), and (4) completes application procedures at the appointed time may expect admission to Indiana University. All divisions enrolling freshmen use the same procedures and standards. The Admissions Committee is authorized to make exceptions to the above standards and invites students to submit evidence of unusual skills or abilities.

Although not a requirement for admission, the Junior Division requires all admitted students to take three (3) College Board Achievement Tests prior to their enrollment at the University. (In some cases these tests may be waived for adults who have been out of school for a long period of time.) The English Composition Achievement Test is required for all admittees. Many students will have a choice regarding the two additional tests to be taken. The following information should be considered when making the choice:

1. Foreign Language Achievement Tests are required for all admittees who studied a foreign language in high school and who (a) wish to continue that same language in college, or (b) wish to begin another language. (The test should be taken in the language already studied. Students taking either the German or Spanish Achievement Tests are required to take the reading and listening sections of the tests. Students taking the French or Latin tests need take only the reading section.)

2. Chemistry Achievement Test is required for all students having had high school chemistry who are planning to take more than two semesters of college chemistry. Admittees who do not need the Foreign Language and/or the Chemistry Achievement Tests must elect two other tests from any of the achievement tests administered by the College Board. Achievement tests are offered in American History, European History, Biology, and Mathematics in addition to the English Composition, Chemistry, and the foreign languages previously mentioned. Questions regarding achievement tests should be directed to the Junior Division Office at Indiana University at South Bend.

Preparatory courses should include four years of English (one-half unit each of speech and journalism may be included), and nine or more units in mathematics, science, foreign language, and social studies. Students seeking admission to the College of Arts and Sciences or School of Nursing should include two or more years each of mathematics, science, and foreign language.

Out-of-state freshmen will be selected from applicants whose rank and test scores are in the top fourth of high school seniors.

Transfer applicants from Indiana whose grades at all colleges attended average at least C (2.0 on a 4.0 system), whose records of conduct are clear, and whose applications have been completed at the appointed time may expect admission. Out-of-state transfer students will be admitted from applicants with an average of B or better.

Applications may be filed after completion of the junior year in high school. Early admission will be granted to superior students who have completed the required tests and are taking the necessary senior subjects. Forms are available at the Office of Admissions. Transfer applicants may apply during the school year preceding proposed entry. Closing dates for applications are January 12 for spring semester, May 15 for summer session, and August 15 for fall semester. An application fee of \$10 is required of each applicant who is new to the University. All questions concerning admission should be directed to the Admissions Office, Indiana University at South Bend.

Graduate Students. A student wishing to register for graduate courses at Indiana University at South Bend must have his admission cleared in advance with the dean of the school in which he wishes to earn his degree. *If a student registers for graduate credit without the approval of his school, he does so without assurance that*

*credit for such work may be applied toward fulfilling requirements for an advanced degree.* Application blanks may be obtained from the dean of the school involved.

**Transient Students.** A transient student is any student enrolled in another college or university who wishes to take credit courses at Indiana University at South Bend with the intention of transferring those credits to his parent institution. To be admitted as a transient, a student should submit evidence that he has at least the equivalent of a cumulative 2.0 (C) average on a 4.0 system and send a written request to the Indiana University at South Bend Office of Admissions asking that he be granted transient status. A student may enroll one semester or one summer session as a transient. After that, he must return to his parent institution for one marking period. If a student wishes to attend two consecutive semesters, he should first seek formal admission to Indiana University.

## FEEES

Fees are paid at the time of registration each semester and are subject to change by action of the Trustees.

A nonrefundable application fee of \$10 is charged all students who are new to the University.

**Basic Costs.** Expenses for attending Indiana University at South Bend for an academic year, including in-state fees for thirty semester hours, books and supplies, total approximately \$600. Expenditures for clothing, travel, entertainment, and personal items are not included in this estimate.

**Deferred Payment.** In special cases a deferred payment contract may be arranged in advance of the registration dates with the Business Manager. For such a contract the minimum amount due at registration is either \$45 or 40 per cent of the total fee (whichever is the larger) plus a deferred fee of \$5. This contract must be fulfilled by the end of the fourth week of classes (second week in summer).

**Refunds.** Whenever registration in a course is deemed insufficient, the University reserves the right to cancel the course and refund all fees. Refunds will not be made for noncredit registrations. (See Refund Schedule below.)

### Schedule of Fees, 1968-69

	Rates per Credit Hour	
	In-State	Out-of-State
Undergraduate .....	\$15	\$23
Graduate .....	18	26
Continuing Education courses (noncredit) .....	Varied	
Fee Refund Schedule for credit courses		
First and Second Semester		
First Week .....	100%*	
Second Week .....	60%	
Third Week .....	40%	
Fourth Week .....	20%	
Thereafter .....	0	
Summer Session		
First Week .....	100%*	
Second Week .....	40%	
Thereafter .....	0	
Special Fees (in addition to basic fees)		
Late Enrollment .....	\$3	
Other incidental fees include laboratory, rental, breakage, etc.		
Student Activities Fee (undergraduates)		
1-7 semester hours .....	\$1 per semester	
8-11 semester hours .....	\$2 per semester	
12 or more semester hours .....	\$3 per semester	

\* Less \$3 registration fee if the student withdraws from all classes.

## JUNIOR DIVISION

Organized in 1942 as a permanent part of the University, the Junior Division is the academic division for all students entering Indiana University directly from high school and for all students transferring to the University during their freshman year. The primary purpose of the Junior Division is to provide a maximum of guidance for students prior to and during their first year in the University. Activities of the Division to accomplish this goal include high school visitation and precollege counseling; academic counseling and progress evaluation by faculty members; and study and research on problems affecting freshman students. It is also the agency responsible for enforcing standards of performance and attendance, in addition to its special programs of counseling and recognition of superior students.

The following are the minimum standards which must be met in order to be retained in the Junior Division:

1. for first-semester students a cumulative grade-point average of 1.00;
2. for second-semester students a cumulative grade-point average of 1.501; and
3. for third-semester students a cumulative grade-point average of 1.90.

(A student may remain in the Junior Division for a fourth semester if the projection of the third semester's grade-point average will raise the cumulative average to the certifiable level at the end of the fourth semester.)

Entering freshmen normally spend one academic year in the Junior Division. At the end of the first year (26 semester hours), students are expected to be academically eligible for certification (admission) into the upper division of their choice (Allied Health Sciences; Arts and Sciences; Business; Education; Health, Physical Education, and Recreation; Nursing; or Music). It should be noted that a minimum of C average is required for all divisions. It is possible, however, for a student to certify on probation with a 1.9 cumulative average, which would give him one additional semester to raise his average to C. Students transferring from another institution to the Junior Division with a credit point deficiency are automatically on probation. In such cases substantial academic progress must be made *each* semester until the entire deficit has been removed. All deficiency points must be removed before certification to an upper division, except in those cases where the upper division agrees to accept the student with deficiencies.

Students who are placed on probation because of low academic performance are expected to earn a C average or better during the probationary period. Failure to meet this standard may result in suspension or dismissal from the University. Any student who fails to certify to an upper division at the end of one year's (26 semester hours) registration will be placed on probation, provided he is permitted to continue in the University. Students on probationary status because of failure to meet certification requirements at the end of one year's work must fulfill those requirements at the end of the probationary period or be subject to suspension or dismissal. In addition, a student may be placed on probation at any time during a semester for excessive absences or unsatisfactory academic work.

## ACADEMIC REGULATIONS AND POLICIES

**Absence.** Illness is usually the only acceptable excuse for absence from class. Absences must be explained to the satisfaction of the instructor, who will decide whether omitted work may be made up. A student's excessive absence will be reported by his instructor to the Assistant Dean.

A student who misses a final examination and who has a passing grade up to that time may be given a grade of Incomplete until the instructor and/or the Assistant Dean have had an opportunity to review the reason for the absence.

**Academic Standing.** A student is in good academic standing when his cumulative grade-point average is 2.0 or higher and his academic performance in the semester most recently completed meets or exceeds the minimum standard.

**Probation.** A student is automatically placed on probation whenever his cumulative grade-point average is below 2.0. He is also placed on academic probation for the duration of the regular semester following one in which he fails to make a C average.

**Dismissal.** A student is dismissed from the University when he has ceased to make progress toward his baccalaureate degree. A student who has been certified to an upper division and who has failed to earn a C average in each of two semesters and whose cumulative average is below 2.0 is automatically considered to be making no progress toward his degree.

**Readmission.** The Committee on Academic Affairs considers petitions for readmission from students who have been dismissed. A student dismissed for the first time may petition the Committee for readmission. The Committee may recommend readmission without delay if warranted by exceptional circumstances and if the Committee believes the student will make progress toward his degree. A student dismissed for the second time may not be admitted for the next regular semester but is eligible to submit a petition for readmission after a period of at least one regular semester.

In order for petitions for readmission to be considered and accepted by the Committee, students eligible to submit them must do so before August 1 for the fall semester, January 5 for the spring semester, and May 15 for the summer session.

Students who have attempted 35 hours or fewer should make an appointment to see the Assistant to the Dean of the Junior Division regarding a petition for readmission. Those who have attempted more than 35 hours should make an appointment with the Assistant Dean of Indiana University at South Bend.

**Addition of Courses.** No course may be added by students after the first class session of the second week of classes.

**Class Standing.** Class standing is based on credit hours completed: freshman, fewer than 26; sophomore, 26-55; junior, 56-85; senior, 86 or more.

**Credit by Examination.** The student may receive credit by successful performance on appropriate examinations while at Indiana University. The student who believes he is eligible for special credit because of superior preparation or independent study should seek advice from an advisor in the school or department in which the course is offered.

Where credit by examination is awarded by the University, that credit will be recorded with an appropriate grade. Failure to pass the examination carries no penalty and is not recorded. The student should consult the bulletin of the appropriate school for more specific regulations.

**Degree Requirements.** Total hours required for the baccalaureate degree are usually 122 (124 in the School of Education). The specific degree requirements of the school from which the student expects to receive his degree should be noted. A minimum cumulative grade-point average of 2.0 (on a 4.0 basis) is required.

**Grading System.** The quality of a student's work is indicated by the following grades:

A—unusual degree of academic performance

B—above average achievement

C—average achievement

D—passing work but below desired standards

F—failure in a course or failure to complete a course without an authorized withdrawal

S—Satisfactory

W—Withdrawn—given automatically when the student officially withdraws during the first three weeks of a semester or first two weeks of a summer session. After these deadlines the grade W is given, in the instance of an approved and properly exe-

cuted withdrawal, only if the student is passing at the time of withdrawal. Junior Division students acquire withdrawal forms from the Junior Division Office and upper division students may obtain them from the Office of the Assistant Dean.

PETITIONS FOR WITHDRAWAL AFTER THE PERIODS SPECIFIED ABOVE WILL NOT BE AUTHORIZED EXCEPT FOR REASONS RELATING TO ILLNESS, EMPLOYMENT CONFLICTS, OR EQUIVALENT PROBLEMS. THE DESIRE TO AVOID A LOW GRADE IS NOT AN ACCEPTABLE REASON FOR WITHDRAWAL FROM A COURSE. FAILURE TO COMPLETE A COURSE WITHOUT AUTHORIZED WITHDRAWAL WILL RESULT IN THE GRADE F.

WF—Withdrawn Failing—given when the student withdraws after three weeks of a regular semester or two weeks of a summer session, if his work is not passing at the time of withdrawal.

I—Incomplete—given only when the completed portion of a student's work in the course is of passing quality. When an Incomplete is assigned, a record must be maintained in the Office of the Registrar. The record will include a statement of the reason for recording the Incomplete and an adequate guide for its removal, with a suggested final grade in the event of the departure or extended absence of the instructor from the campus.

A student must remove the Incomplete within one calendar year from the date of its recording. If the student fails to remove the Incomplete within the time limit allowed, the Assistant Dean may authorize the Office of the Registrar to change the grade to F. Both the student and the instructor will be notified of the change in grade.

The student may not register in a course in which he has a grade of Incomplete. When the grade of Incomplete is given because the student missed the final examination, he will be allowed to remove the Incomplete by taking the examination only if he has the approval of the instructor and the Assistant Dean.

The grading system is based on a 4.0 scale, with credit points being used to compute scholastic standing. One credit hour of A has a value of 4 credit points; one credit hour of B has a value of 3 credit points; one credit hour of C has a value of 2 credit points; one credit hour of D has a value of 1 credit point; one credit hour of F or WF has a value of no credit points. Cumulative grade-point average is the number of credit points earned divided by the number of hours completed with a final grade (W and I are not final grades). Semester average is the number of credit points earned divided by the number of hours completed for one semester. Indiana University requires a minimum cumulative grade-point average of 2.0 (C) for a student to be in good standing.

**Pass-Fail System—Elective Options for Juniors and Seniors.** During his junior and senior years, a student in good standing (a student not on probation) may enroll in up to four courses for which he would receive simply a grade of S or F. The courses, if passed with a grade of S, would thus count toward graduation but would not affect the student's grade-point average (although a student's grade-point average would be adversely affected by a failing grade). No more than one course may be taken on this special basis in any one semester.

The student must signify at the time of enrollment that he wishes to take a certain course on this special basis. He may not later change the basis of his enrollment in such a course. The course chosen must also meet the specific requirements as outlined in the bulletin of the school in which the student is enrolled.

**Student Load.** Students may register for a single course or for a full-time college program. Students who register in 12 or more credits a semester (five or more in summer) are regarded as full-time students. Students working full time should not register for more than six credits during a regular semester or three in the summer session.

Teachers employed full time are prohibited by the State Board of Education from earning more than six credits in one semester.

Students who expect to graduate in four academic years, not counting summer sessions, should carry approximately 15 semester hours during each semester of the regular academic year. Except with special permission from the Assistant Dean, a student is not permitted to enroll in more than 17 credit hours. A B average is required to carry more than 17 credit hours.

**Transfer of Credits.** Students transferring from Indiana University at South Bend to another Indiana University campus do not need an official transcript; however, they should make arrangements with the Office of the Registrar to have required credentials forwarded to the campus they wish to attend. Junior Division students may transfer to another campus of the University as long as they meet the minimum standards outlined under the Junior Division hearing in this *Bulletin*. Upper Division students must have a minimum cumulative grade-point average of 2.0. Requests for transfer of records should be made by July 15 for the fall semester, January 5 for the spring semester, or May 15 for the summer session.

**Veteran's Credit.** Veterans of military service are eligible for academic credit as a result of their military training and experience. The University follows the provisions of the *Guide to the Evaluation of Educational Experiences in the Armed Services* in granting credit. Copies of official discharge or separation papers or transcripts must be submitted as a basis for granting credit. Evaluation of service credit is administered by the Office of Admissions.

## STUDENT SERVICES

**Counseling.** The staff of the Assistant Dean, which includes the personnel of the Offices of Admissions, the Registrar, and Junior Division, provides confidential, personal vocational and educational counseling for students who come on a voluntary basis. The staff members arrange for testing services, provide occupational and educational information, and make referrals to clinics and other agencies as needed.

**Dean's List.** Students carrying 12 hours or more who earn a 3.3 grade-point average or higher are placed on the Dean's List and are recognized at Founders Day ceremonies held on the Bloomington Campus. Honors ceremonies are held at Indiana University at South Bend for additional recognition of these honor students, as well as for part-time students who have made comparable cumulative records.

**Placement Services.** Indiana University at South Bend maintains two job placement bureaus which serve students free of charge. The Bureau of Education Placement registers qualified students for teaching and associated positions. The Business Placement Office of the School of Business arranges interviews with representatives from business and industry for students of all schools and divisions, and for University alumni.

**Financial Assistance.** Students attending Indiana University at any of the University campuses are eligible to be considered for financial assistance. Because scholarship and grant funds are limited, the student's entire need for funds cannot always be met with gift aid. Therefore, several types of financial aid may be combined, particularly when there is great need for financial assistance. It often is necessary to offer financial aid as a "package" which combines scholarships, grants, loans, employment earnings, or a combination of these. The Scholarship and Financial Aids Committee attempts to arrange the combination of aids in a manner that will be most beneficial to the student. Applications for freshmen scholarships and other types of financial aids are available from the high school counselor. Returning students may secure applications from the Student Personnel Office at Indiana University at South Bend.

**Scholarships.** All scholarships are awarded on the basis of the applicant's academic achievement and potential for college success. In cases where financial need exists, the

amount of the stipend will be based upon student need as determined by analysis of the Parents' Confidential Statement, other information, and the total amount of funds available to the University. Scholarships with stipends of approximately \$200 or less may be awarded to students even though analysis of all data indicates that the student's and parents' resources are sufficient to enable him to attend Indiana University without financial assistance. Parents of students interested only in scholarships with a stipend of approximately \$200 need not submit a Parents' Confidential Statement.

*Educational Opportunity Grants.* All undergraduate students admitted to the University are eligible to be considered for this award on the basis of financial need. No special academic attainment is necessary for eligibility. The amount of the grant is determined by the student's need for funds. Educational Opportunity Grants *must be matched* by the University with some other type of financial assistance (for example, matched with a scholarship, grant, loan, or employment earnings). Therefore, it usually will be necessary for the recipient of an Educational Opportunity Grant to accept a loan and/or employment since the amount of gift aid available is very limited.

*Long-Term Loans.* Loans up to \$1,000 a year (\$2,500 for graduate students) are available under the National Defense and Nursing Student Loan Programs. No interest is charged while the student remains in school. Repayment begins nine to twelve months after the student terminates his schooling and may extend over a ten-year period. Interest, at three percent, starts at the time the repayment period begins. Provision is made for forgiveness of part of the loan if the student becomes a teacher or nurse. No specified minimum test score or rank is necessary for eligibility. The amount of the loan is determined by the student's need for funds.

*Guaranteed Bank Loans.* These loans are obtained through private lending agencies, banks, credit unions, and savings and loan associations. Maximum loan for undergraduates is \$1,000; and for graduate students it is \$1,500 for an academic year. Six per cent interest begins at the time the loan is received; however, interest may be paid for students depending on their family's income. While the student is in school, the full amount of interest is paid; one-half or three percent is paid during the repayment period after graduation for students who qualify.

*Child-of-Disabled-Veteran Award.* Children of disabled or deceased veterans of World Wars I, II, or Korean conflict who have suffered a service-connected disability or death are eligible for a partial remission of fees. Applicants must have resided in the State of Indiana for the last five years. A special application form is required.

*Employment.* Students may earn a portion of their educational expenses through part-time employment during the school year through the College Work-Study Program. The Office of Financial Aids at Indiana University at South Bend maintains a Job Opportunity Bulletin Board for students who are seeking employment in the community.

*Indiana University Foundation—Alumni Award.* Children of Indiana University alumni residing in states other than Indiana are eligible for a cash award of \$400 for the academic year. A special application is required.

*LaVerne Noyes Award.* Blood descendants of a veteran of World War I who enlisted prior to May 11, 1918, or served overseas after that date are eligible for consideration. Applicants must show financial need and submit a special application.

*Vocational Rehabilitation.* Physically handicapped students seeking financial assistance should make application to the Department of Vocational Rehabilitation in Indianapolis, Indiana.

*Educational Benefits for Veterans and Military Personnel.* Educational benefits are provided under Public Law No. 815, 358, and 634. Public Law No. 815 provides benefits to disabled peace-time service personnel and to seriously disabled veterans of the Korean conflict. Public Law No. 634, the War Orphans Assistance Act, provides educational benefits for all children of veterans who died of a service-connected disability, including those of World War I, World War II, and the Korean conflict. Such children must

be high school graduates between the ages of eighteen and twenty-three, and must be counseled by the Veterans Administration.

Military personnel who take classes while on active duty and those who have completed their military obligation may receive financial assistance. Complete information relative to such training, as well as regulations and procedures for registration under any of the veterans educational benefit laws can be obtained from the local Veterans Administration office or from the veterans representative at the University.

*Other Funds.* Many local civic and service organizations provide loan funds and/or scholarships for college students. Information concerning these may be secured from these organizations or from the student's high school counselor.

*Student Activities.* Indiana University at South Bend has a variety of student organizations in which all students are encouraged to participate. These include a Student Senate, various academic departmental clubs, fraternities and sororities, and other student-interest organizations. The campus newspaper, the *Student*, and a yearbook are published by the students.

A number of dramatic, musical, and special events are presented each year, enhancing the full cultural and intellectual development of each student. All students are strongly urged to attend these events, many of which are offered without charge.

Students may also participate in many of the activities on the Bloomington Campus. Full-time students are eligible for student rates for all athletic activities on the Bloomington Campus. For further information regarding the procedure for purchasing such tickets, inquire at the Indiana University at South Bend General Office.



# Degree Programs at Indiana University at South Bend

## COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences may be regarded as the nucleus of Indiana University. In the beginning and until the turn of the century, all University instruction, with the exception of law, was in fields now included in departments of the College. At first Greek and Latin were the only studies; gradually the natural and abstract sciences, history, and literature were added. Today the College consists of 46 departments and interdepartmental programs. Instruction which leads to the degrees Bachelor of Arts and Bachelor of Science provides the student breadth of contact with all of these major areas and a specialization in one of them. In 1966-67 approximately 6,000 undergraduates were candidates for degrees.

The Bachelor of Arts degree in English and in History may be earned at Indiana University at South Bend. Freshmen interested in these degrees should consult the Junior Division Officer. Upperclassmen should consult the local chairman of the department concerned.

### Bachelor of Arts Degree

The curriculum for the A.B. degree is designed to introduce the student, during the early part of his course, to a variety of subjects which provide the fundamentals of a liberal education; to enable him to make an intelligent choice of his subsequent field of concentration; to aid him in securing adequate preparation for advanced work; and to provide for some degree of specialization in the junior and senior years.

In addition to the general requirements for all degrees in the College, candidates for the A.B. degree must complete Groups I-V.

### GROUP I: ENGLISH COMPOSITION

Every student must demonstrate his ability to use correct, clear, effective English. This requirement will be satisfied when either English W131, Elementary Composition, or English W140, Elementary Composition, Special Program, shall have been completed with a grade of C or higher. An entering freshman will be placed in W131 or in W140 (special program) on the basis of his scores on entrance examinations and rank in his high school class. Placement decisions are made by the Department of English.

### GROUP II: FOREIGN LANGUAGES

*A student who first matriculated in college in September 1965, or thereafter, may earn credit toward a baccalaureate degree for the first 10 hours of a foreign language only if he has demonstrated by a placement test proficiency at this same level in another language.*

Every student must demonstrate moderate proficiency in Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Persian, Portuguese, Russian, or Spanish. (Certain other languages may be substituted with approval of the Dean.) The student may meet this requirement in either of two ways:

1. By demonstrating his proficiency through an examination given by the language department concerned; such examination will be given on petition and as required. For each examination subsequent to the first, a fee of \$5 is charged.
2. By completing 8 hours of course work at the 200 level, or the equivalent, in one of the languages listed above.

*The student must register in at least one foreign language course each semester until he has satisfied the language requirement.*

**Placement Test.** A placement test must be taken by students who intend to continue a foreign language begun before entrance to Indiana University. On the basis of this test, the language department concerned will recommend the level of work proper for the student. If a transfer student repeats work done at another college, the transferred credit will be canceled.

When students who have placed at a high level complete the recommended courses with a B grade or higher, they may be eligible for College credit for those courses above the freshman level from which they were exempted. Such credit must be approved by the chairman of the language department and the Dean.

**200-Level Courses.** When a student is qualified to take 200-level courses as a result of appropriate high school preparation or completion of 10 hours of elementary courses, or their equivalent, in the language of his choice, he may then proceed to elect one of the sequences below:

	<i>First Semester</i>	<i>Second Semester</i>	<i>Third Semester</i>
FRENCH	F210 F211, F201 F211 F211	F212 F212 F212, F201 F212	F305, F306, or F307
GERMAN	G210	G212 G222 G232 G220	G305, G306, or G307
LATIN	For students who have completed L101 and L102 or the equivalent:		
	L203, L205	L206 or L308 or L309	L305 or L306
	L203 L203	L205, L206 L205 or L206	
	For students who have completed L103 with a grade of A or B:		
	L205, L206 L206	L305 or L306 L205, L305, or L306	L308 or L309
	L206	L205	
	For students who have completed L103 with a passing grade below B:		
	L205	L203	L308 or L309
RUSSIAN	R210 R323	R220 or R212	
SPANISH	S203	S204	S305 or S306

**Foreign Students.** Foreign students may substitute demonstrated proficiency in their native language if it is offered for instruction at Indiana University. They may not, however, earn credit for any courses at the introductory or intermediate level in their native language.

### GROUP III: SCIENCES

Every student must complete 15 hours from the courses listed below, with a minimum of 5 hours in each group and not fewer than 5 hours in any one department.

**A. PHYSICAL SCIENCES**

Astronomy: A201 and A202, A220 and A390  
 Chemistry: C100, C101, C102, C105, C106  
 Geography: G107\*  
 Geology: G100,\* G105, G106, G310  
 Mathematics†: M118, M119, M131, M211, M215-M216, or more advanced courses.  
 Physics: P100,‡ P201, P202, P221, P222

**B. BIOLOGICAL SCIENCES**

Anatomy: A210, A464  
 Anthropology: A311  
 Biology: B100,§ B105  
 Botany: B101,§ B303, B304  
 Microbiology: M250, M255  
 Physiology: P204 or P310, P409  
 Psychology\*: P101-P111, P102-P112,|| P105, P112, and one 300-400 level course  
 Zoology: Z103,§ Z104, Z200, Z215, Z364

**GROUP IV: SOCIAL SCIENCES, LITERATURE, PHILOSOPHY, AND THE ARTS**

Every student must complete 18 hours in three of the departments below, including 6 hours from one department in Group A, 6 hours from one department in Group B, and 6 hours from a third department in either Group A or B. Where a sequence is listed, it must be followed. (Sequences are indicated by a hyphen between course numbers.) Certain College Honors courses, designated by the prefix H, may be counted in either Group IV A or IV B as appropriate in the judgment of the Dean.

**A. SOCIAL SCIENCES**

Anthropology: A103-A104, A307-A308  
 Economics: E201-E202, E300  
 Geography: G210, G313, G326  
 Government: G103-G104  
 History: H103-H104, H105-H106, H209-H210  
 Sociology: S161, and S163 or S232

**B. LITERATURE, PHILOSOPHY, AND THE ARTS**

The Arts: Comparative Literature C225, Fine Arts H100, Music M174, Speech S240 (any five hours)  
 Asian Languages: Arabic, Chinese, Hebrew, Japanese, Korean, Persian: Third- or fourth-year courses of a literary character  
 Classics: C250 and C260  
 Comparative Literature: C145, C146 or third- or fourth-year courses  
 English: L101-L102  
 Fine Arts: Courses in history of art  
 French, German, Italian, Portuguese, or Spanish: Third- or fourth-year courses of a literary character  
 Greek or Latin: Second-, third-, or fourth-year courses of a literary character  
 Music: M201-M202  
 Philosophy: Six hours, including one of the following: P100, P240, P250, P301, P302, or P350  
 Study of Religion: Six hours to be chosen from the following: C152-C153, R210, R220  
 Russian: R305 and R306, R363 and R364, or R324  
 Speech and Theatre: S247-S248

**GROUP V: CONCENTRATION GROUP**

No later than the first semester of the junior year, the student should plan a tentative outline of his concentration program with his major department adviser.

The following are minimum requirements for the concentration group. Further and detailed requirements are to be found in the departmental statements in the

\* The student may not count both Geography G107 and Geology G100, nor more than 10 hours in any combination of geography and psychology.

† Students who have taken mathematics in high school should note carefully the limitations on credit for work taken in certain mathematics courses (see page 104 of the *Bulletin* of the College of Arts and Sciences).

‡ See footnote under Department of Physics in the *Bulletin* of the College of Arts and Sciences.

§ The student who takes Biology B100 will not receive credit in Botany B101 or Zoology Z103.

|| See prerequisite for P112 under course description. The student who wishes to apply 5 hours of psychology toward the Group III B requirements must take Psychology P101 followed by Psychology P111. Psychology majors only may substitute an advanced laboratory course or sequence for P112.

*Bulletin of the College of Arts and Sciences*. The specific departmental requirements which must be fulfilled by each student are those which are published in the *Bulletin of the College of Arts and Sciences* current at the time he declares his major.

1. At least 45 hours is required in the concentration group, which consists of a major subject and one or two related minor subjects. Appropriate minors for each major department are indicated in the departmental statements.
2. At least 25 hours must be taken in the major subject.
3. At least 10 hours must be taken in the first minor.
4. If a second minor is used, at least 5 hours must be taken in this subject.
5. Not more than 45 hours in any one subject may be counted toward the A.B. degree.
6. The first 10 hours of basic work in French, German, Italian, Latin, Portuguese, Russian, and Spanish will not count toward the concentration group.
7. Any course in which the student receives a grade below C may not be used to fulfill the concentration group requirements. However, courses in which the student receives a D will count toward the 122-hour total.
8. Courses taken to satisfy the English composition requirements (W131 or W140) may not be applied toward the concentration group.
9. English L101 and L102 may not count in an English major or in the concentration group for comparative literature majors.

**ACADEMIC WORK OUTSIDE THE COLLEGE OF ARTS AND SCIENCES**

A candidate for a degree in the College of Arts and Sciences must complete satisfactorily a minimum of 112 hours in courses offered by departments of the College or in the courses listed below. The remaining 10 hours of the 122 necessary for degree certification may be completed in courses offered by the College or by other divisions of the University.

*School of Business*

A201-A202 Introduction to Management Accounting I-II (3-3 cr.)  
 D420 International Business Administration (3 cr.)  
 F301 Principles of Finance I (3 cr.)  
 F420 Principles of Investment (3 cr.)  
 G300 Introduction to Managerial Economics (3 cr.)  
 G406 Business Enterprise and Public Policy (3 cr.)  
 G409 Business Conditions and Public Policy (3 cr.)  
 H400 Business in Its Historical Setting (2 cr.)  
 J340 Personnel Management (3 cr.)  
 M301 Principles of Marketing I (3 cr.)  
 T300 Principles of Transportation (3 cr.)  
 U300 Principles of Public Utilities (3 cr.)

*School of Education*

F100 Introduction to Teaching (2 cr.)  
 M440-M478 Methods of Teaching High School Subjects (3 cr.)  
 P280 Human Development and Learning (5 cr.)  
 S485 Principles of Secondary Education (3 cr.)

*Graduate Library School*

L220 Reference Materials and Services (2 cr.)  
 L423 Selection and Use of Library Materials (3 cr.)  
 L456 Library Organization and Administration (3 cr.)  
 L483 Library Cataloging and Classification (3 cr.)  
 L494 Library Practice Work (2 cr.)  
 L533 Library Materials for Children and Adolescents (3 cr.)

*School of Music*

K135 Composition I (3 cr.)

K331-332 Free Counterpoint I-II (2-2 cr.)

M174-M175 Appreciation of Music I-II (2-2 cr.)

M201-M202 Literature of Music I-II (3-3 cr.)

M403-M404 History of Music I-II (3-3 cr.)

T101-T102 Introduction to Music I-II (3-3 cr.)

T113-T114 Materials of Communication in Music I-II (3-3 cr.)

T213-T214 Materials and Organization of Music III-IV (3-3 cr.)

T315 Analysis of Form and Texture in Music (3 cr.)

T316 Contrapuntal Techniques, 18th Century to Present (3 cr.)

*Military Science*

G301, G302, G401, G402 Advanced Military Science III and IV (3-12 cr.)

A301, A302, A401, A402 Advanced Air Science III and IV (3-12 cr.)

**Bachelor of Arts in English**

**Program for Majors.\*** Requirements: L219, L220 or L313, L301, L302, L351 or L352; one seminar from the following: L440, W401, W403; one course from the following: L303, L308, L309, L317, L318, L319; one course in English literature from 1660 to 1900; one course in American literature.

**Minors.** Comparative literature, folklore, French, German, Greek, history, history of art, Italian, journalism, Latin, law, library science, linguistics, theory and history of music, philosophy, psychology, Russian, Spanish, speech and theatre. Not all of these minors are available at Indiana University at South Bend. The student who expects to go on to graduate work in English is advised to take a minor in a foreign language, ancient or modern, and a second minor in either a second language or in history or philosophy.

**Bachelor of Arts in History**

The Department of History provides students with an opportunity to discover and to understand the origins of the world in which they live. To this end, it offers a wide range of courses dealing with the history of the United States, the Atlantic community, and non-Western areas, as well as courses in the history of science and in historiography.

Every encouragement is afforded superior students. Incoming freshmen may take credit examinations in any or all of the courses H103, H104, H105, H106 and thus receive up to 12 hours' credit toward graduation. Students in residence may also secure credit by examination but must first convince the examiner of the quality of their preparation.

**Program for Majors.\*** Requirements: 25 hours in 200-400 history courses, including one year of United States history, one year of European history, and two semesters on other world areas or fields of study. 100 level courses will not count toward the 25 hours.

**Minors.** To be selected from: economics, English, fine arts, German, government, music, philosophy, psychology, sociology, and speech and theatre.

**SCHOOL OF BUSINESS**

Students may earn the Bachelor of Science in Business degree at Indiana University at South Bend with curricular concentrations in management and administration, accounting, finance, and marketing. Complete requirements for the Bachelor of Science degree in Business may be found in the current *Bulletin of the School of Business*.

All undergraduate curricula in the School of Business consist essentially of three parts: the general education core, the basic business administration core, and the pro-

\* See also the general requirements of the College of Arts and Sciences, page 31.

fessional courses for a concentration in each of the four areas indicated above and described under the curricular concentrations descriptions below.

**Bachelor of Science in Business**

All candidates for the degree Bachelor of Science in Business must fulfill the following requirements:

1. A minimum of 122 credit hours with passing grade.
2. A minimum grade average of two credit points for each credit hour completed at Indiana University. Transfer students admitted with deficiencies in credit points are expected to overcome these deficiencies with Indiana University grades.
3. At least 56 credit hours in general education subjects. (Does not include E201-E202.)
4. At least 48 credit hours in business and economics subjects. Economic history courses may be counted either as business and economics courses, or as general education courses.
5. Physical education courses in the freshman year for both men and women students as required by general University regulations, as part of the 122 credit hours.
6. Successful completion of W391, Comprehensive Examination.
7. The program of the senior year (the last 30 credit hours of work) must be completed in residence on one of the Indiana University campuses offering a four-year program.
8. A minimum residence of two semesters in the School of Business is required.
9. All undergraduate students in the School of Business are required to register with Business Placement and to complete satisfactorily Business W410, Personal Adjustment to Business, during the fall semester of the academic year in which graduation requirements are completed. Students in other schools or divisions of the University who wish to avail themselves of the services of Business Placement may take Business W410.

**COMPREHENSIVE EXAMINATION**

Each undergraduate student in the School of Business is required to pass a comprehensive written examination in the first or second semester of his junior year after completion of the seven basic or "core" courses. The examination tests the student's ability to apply knowledge gained in these courses: Business A201-A202, F301, L300, M301, W300; Economics E201-E202, E370.

The examination tests the student's ability to apply principles in the solution of practical business problems, not his knowledge of subject matter. Examinations are given three times a year near the end of each semester and the summer session. It is to the student's distinct advantage to plan his program so that the seven basic courses will be completed not later than the last semester of his junior year. Satisfactory completion of the examination is a prerequisite to enrollment in the following courses:

Accounting: A313, A316, A404, A414, A417, A430, A490, A493

Applied Urban Economics: S403

Business Education and Office Management: B413, B414, B490, C403, C404, C445, C446

International Business Administration: D420, D490, D496

Finance: F420, F423, F446, F464, F493

Business Economics and Public Policy: G406, G409, G493

Business History: H400, H403, H490

Quantitative Business Analysis: K423, K427, K490

Business Law: L308, L309, L407

Marketing: M404, M407, M418, M426, M427, M428, M439, M490, M493

Insurance: N403, N410, N420, N430, N433

Personnel and Organization Behavior: J407, J444, P446, J490

Production Management: P423, P425, P429, P490

Real Estate Administration: R404, R440, R441, R443, R444, R490

Transportation: T405, T410, T413, T490

Public Utilities: U405, U490

Management and Administration: W406, W407, W413, W490, W494

GENERAL EDUCATION CORE COURSES\*

	Credit Hours
<b>COMMUNICATIONS</b> .....	4
Eng. W131 Elementary Composition .....	2
Spch. S121 Public Speaking I .....	2
<b>HUMANITIES</b> .....	6
<i>Selected from:</i>	
Classics C250 Greek Literature in Translation .....	3
Classics C260 Roman Literature in Translation .....	3
Comp. Lit. C145-C146 Major Themes and Characters in World Literature I-II .....	3-3
Eng. L101-L102 Freshman Literature I-II .....	3-3
Fine Arts H223-H224 Introduction to History of Art I-II .....	3-3
Hist. & Philos. of Sci. X303 Introduction to Philosophy of Science .....	3
Mus. M201-M202 Literature of Music I-II .....	3-3
Phil. P100 Introduction to Philosophy .....	3
Phil. P200 Problems of Philosophy .....	3
Phil. P240 Ethics .....	3
Phil. P250 Logic .....	3
Phil. P260 Metaphysical Problems .....	3
Phil. P261 Ways of Knowing .....	3
Rel. R152 Introduction to Religions of the West .....	3
Rel. R153 Introduction to Religions: Far East and India .....	3
Spch. S247-S248 Introduction to History of the Theatre I-II .....	3-3
Spch. S437-S438 History of American Public Address I-II .....	3-3
Foreign Language, second-, third-, and fourth-year courses	
<b>AMERICAN INSTITUTIONS</b> .....	6
<i>Selected from:</i>	
†Econ. E412-E413 American Economic History I-II .....	3-3
Gov. G103-G104 Introduction to American Government I-II .....	3-3
Hist. H105-H106 American History: General Course I-II .....	3-3
Hist. A329-A330 Social History of American Enterprise I-II .....	3-3
<b>INTERNATIONAL INSTITUTIONS</b> .....	6
<i>Selected from:</i>	
†Econ. E310 Modern European Economic History .....	3
Econ. E325 Comparative Economic Systems .....	3
Econ. E415 Latin American Economic Growth .....	3
Econ. E425 Problems of European Economics Integration .....	3
Econ. E430 Introduction to International Economics .....	3
Econ. E493 Developmental Problems of Nonindustrialized Countries .....	3
Geog. G213 Introduction to Economic Geography .....	3
Geog. G413 Economic Geography .....	3
Gov. G361-G362 Near East Political Systems I-II .....	3-3
Gov. G363 Western European Political Systems .....	3
Gov. G364 Totalitarian Political Patterns .....	3
Gov. G367 Soviet Political System .....	3
Gov. G369 Contemporary Problems of Asia .....	3
Gov. G375 Politics and Administration in South Asia .....	3
Gov. G376 Politics and Administration in Southeast Asia .....	3
Gov. G381 African Political Systems .....	3
Gov. G385 Government and Politics of Latin America .....	3
Gov. G415 International Law .....	3
Gov. G416 International Organization: Political and Security Aspects .....	3
Gov. G417 International Organization: Social and Economic Aspects .....	3
Gov. G443 Philosophical Foundations of Marxism .....	3
Gov. G445 Interpretations of International Politics .....	3
Gov. G464 Government and Politics of East Europe .....	3
Hist. B358 Europe and the Industrial Revolution, 1750-1815 .....	3
Hist. B361-B362 Europe in the 20th Century I-II .....	3-3
Hist. C391-C392 History of Medieval and Modern Near East I-II .....	3-3
Hist. D424 History of Eastern Europe in the 19th and 20th Centuries .....	3
Hist. D425 History of the Balkans, 18th Century to 1914 .....	3
Hist. D426 History of the Balkans, 1914 to Present .....	3
Hist. D428 History of East-Central Europe, 1914 to Present .....	3
Hist. E431-E432 History of Africa I-II .....	3-3
Hist. F441-F442 History of Latin America I-II .....	3-3
Hist. G451-G452 The Far East I-II .....	3-3
Hist. H203-H204 Islamic Civilization I-II .....	3-3

\* For students entering Indiana University in the 1968-69 academic year; students matriculating prior to 1968-69 should see pages 16-17 in the 1967-68 *South Bend-Mishawaka Campus Bulletin*.  
 † These economics courses may be counted toward the general education requirements of 56 hours other than business and economics.

<b>MATHEMATICS</b> .....	6-8
Students with less than two years of high school algebra and trigonometry must take either M115 or M117. Credit in M115 or M117 may not be applied toward the total hour requirement for graduation.	
M115 Review of Algebra and Trigonometry .....	5
or	
M117 Partial Review of Algebra and Trigonometry .....	3
<i>A student must meet the requirement in mathematics by completing:</i>	
M118 Finite Mathematics .....	3
plus a choice from the following:	
M119 Brief Survey of Calculus .....	3
M211 Calculus .....	3
Only for students with requisite previous work in analytic geometry who plan to take further mathematics courses including M216.	
M215 Analytic Geometry and Calculus I .....	5
Only for students without requisite previous work in analytic geometry who plan to take advanced mathematics courses including M216.	
<b>BEHAVIORAL AND NATURAL SCIENCES</b> .....	14-16
Psy. P101 Introductory Psychology I .....	3
Soc. S161 Principles of Sociology .....	3
Plus one of the following:	
<b>Life Sciences:</b>	
Anat. A210 Elementary Human Anatomy .....	5
Biol. B100 Man and the Biological World .....	5
Biol. B105 Introduction to Biology I .....	5
Bot. B101 Plant Biology .....	5
Physio. P204 Elementary Human Physiology .....	5
Zoo. Z103 Animal Biology .....	5
<b>Physical Sciences:</b>	
Chem. C100 Chemistry .....	5
Chem. C101 Elementary Chemistry I .....	5
Chem. C105 Principles of Chemistry .....	5
Chem. S107 Fundamentals of Chemistry, Honors .....	5
Phys. P100 Physics in the Modern World .....	5
Phys. P201 General Physics: Mechanics, Heat, and Sound .....	5
Phys. P221 General Physics: Mechanics, Heat, and Sound .....	5
Phys. S221 Honors Course in Introductory Physics I .....	5
<i>Plus one additional course selected from:</i>	
Anth. A104 General Anthropology II .....	3
Psy. P102 Introductory Psychology II .....	3
Soc. S232 Society and the Individual .....	3
The courses in the Life and Physical Sciences listed immediately above.	
A second course in the Life and Physical Sciences for which one of the courses listed above is a prerequisite.	

**GENERAL EDUCATION UNRESTRICTED ELECTIVES** .....

8-12

The general education core curriculum is to be supplemented by electives chosen from courses exclusive of business and economics to a minimum of 56 credits.

Not more than 10 credits may be taken in other undergraduate professional schools (HPER, Education, Music) except those courses required of students who qualify for teacher certification.

**BASIC BUSINESS AND ECONOMIC CORE**

Students who entered Indiana University prior to 1968-69 should refer to the *Bulletin* of the year they entered for the graduation requirements applicable to them.

For students who enter Indiana University in 1968-69, a typical freshman and sophomore program would be:

FRESHMAN YEAR	Hours	SOPHOMORE YEAR	Hours
Eng. W131—Elementary Composition I .....	2	Econ. E201-E202—Principles of Economics	
Speech S121—Public Speaking .....	2	I-II .....	6
Laboratory and Behavioral Science .....	8-10	Bus. A201-A202—Introduction to	
Mathematics .....	6	Managerial Accounting .....	6
American Institutions .....	6	Behavioral Science .....	3
Physical Education .....	2	Legal Foundation of Business .....	3
Electives .....	4-6	Statistics .....	3
		Humanities .....	6
		Electives .....	3

**Selection of a Concentration.** It is highly desirable for a student to elect a concentration during his sophomore year. Such an election must be made no later than during the first semester of the junior year. For advice, students may consult the counseling office or the various concentration advisers.

#### General Program of the Junior Year

The following courses should be completed during the junior year:

	Hours
Bus. F301 <i>Principles of Finance I</i> .....	3
Bus. L300 <i>Business Law—Contracts</i> .....	3
Bus. M301 <i>Principles of Marketing I</i> .....	3
Bus. W300 <i>Principles of Management and Administration</i> .....	3
Bus. W391 <i>Comprehensive Examination</i> .....	0
Other required courses and electives, depending upon the concentration chosen .....	14-22

#### General Program of the Senior Year

The successful completion of all core courses and the comprehensive examination are prerequisites to the study of professional courses in the senior year. The following courses must be completed during the senior year:

Bus. W410 <i>Personal Adjustment to Business</i> (first semester) .....	1
Required and elective courses to complete concentration and graduation requirements .....	25-33

Junior and senior electives must include from 12 to 17 credits in general education courses, including 6 that are of an advanced nature.

#### BASIC BUSINESS ADMINISTRATION CORE

Each undergraduate student in the School of Business is required to pass a comprehensive written examination (W391) in the first or second semester of his junior year after completion of the seven basic or "core" courses. The examination tests the student's ability to apply knowledge gained in these following core courses:

<b>BUSINESS</b>	
*A201-A202 <i>Introduction to Management Accounting I-II</i> .....	3-3
F301 <i>Principles of Finance I</i> .....	3
L300 <i>Business Law—Contracts</i> .....	3
M301 <i>Principles of Marketing I</i> .....	3
W300 <i>Principles of Management and Administration</i> .....	3
<b>ECONOMICS</b>	
E201-E202 <i>Principles of Economics I-II</i> .....	3-3
E370 <i>Interpretation of Business and Economic Data</i> .....	3
W391 <i>Comprehensive Examination</i> .....	0

#### CURRICULAR CONCENTRATIONS

The undergraduate curricula outlined on the following pages include: (1) management and administration; and (2) specialized curricula.

Only the special departmental requirements are given below; in addition, the student must complete the general programs courses outlined above.

##### MANAGEMENT AND ADMINISTRATION

For students who wish to pursue a broad general program, the management and administration curriculum provides a vehicle for organizing their studies. The integrating focus is the responsibility for administering the multiple operations of the business firm in a rapidly changing environment. Emphasis is on the processes involved in setting goals for corporate effort, coordinating and controlling multiple programs, and regulating inputs and outputs with varied environments.

**Course Requirement.†** *Junior and Senior Year:* Any combination of 9 credit hours must be taken from: Bus. A211, D420, F420, G300, G406, G409, H400, J340, K423, K427, L407, N300, P320, R300, T300, U300; any combination of 6 credit hours must be

\* Accounting majors will take Business A200, five hours, instead.

† See also the general education core courses (page 18) and general programs (pages 19-20), required of all undergraduates.

taken from: Econ. E320, E340, E350, E360. Also required in the senior year: Bus. W413, plus an additional 400-level business course.

#### SPECIALIZED CURRICULA

##### ACCOUNTING

The accounting curriculum prepares students for positions as accountants, auditors, controllers, income tax accountants, financial statement analysts, cost accountants, budget officers, and governmental or institutional accountants. In addition, it equips the prospective business executive with a tool for intelligent analysis, prediction, decision-making, and control.

Accounting graduates who meet requirements of the State Board of Certified Accountants of Indiana are eligible to sit for the Uniform C.P.A. examination in Indiana. Those who wish to engage in public accounting practice in Indiana as certified public accountants should familiarize themselves with the rules and regulations issued by the State Board of Certified Accountants of Indiana, 912 State Office Building, Indianapolis, Indiana 46204. Students planning practice outside Indiana should consult the C.P.A. board of their state of residence.

**Course Requirements.\*** *Sophomore Year:* Bus. A205, A211; Math. M118 and M119 (may be taken freshman year).

*Junior Year:* Bus. A308, A312, L303; Econ. E350; three accounting electives at 300-400 level required for junior and senior years, other electives to be selected from any area of the University.

*Senior Year:* Bus. A404; Speech S223; electives, 19-27 hours.

##### FINANCE

The undergraduate curriculum in finance is designed to provide familiarity with the institutions and instruments of finance and with the operation of the financial system. But more than that, it is intended to develop understanding of the problems of financing economic activity.

The undergraduate program provides academic preparation for careers in business finance, commercial banking, investments and investment banking, and in the whole field of savings and consumer credit-type institutions.

**Course Requirements.\*** *Junior Year:* Bus. A211, F302; Econ. 350; electives 5-13 hours.

*Senior Year:* Bus. F420, F446; at least four of the following courses: Bus. A312, G406, G409, N300, R300, T300, U300; Econ. E320, E360, E430, E455; Math. M200; electives 7-15 hours.

##### MARKETING

The study of marketing concerns itself with all those activities related to the movement of goods and services from the producer to consumers. It deals, for example, with customer behavior, the development of product offerings to meet consumer needs, pricing policies, the institutions and channels of distribution, including retailers and wholesalers, advertising, selling, sales promotion, research, and the management of marketing to provide for business a profitable and expanding operation.

The marketing curriculum endeavors to provide the business community with broadly trained men and women who can approach problems with a clear understanding both of marketing and of the interrelationships of marketing with other functions of the firm. Students planning careers in advertising, research, retailing, or sales management normally major in marketing and then may pursue within the curriculum a modest degree of specialization in the area of their vocational interest.

\* See also the general education core courses (page 18) and general programs (pages 19-20), required of all undergraduates.

**Course Requirements.\* Junior Year:** Bus. M302; two courses from the following group, including at least one course either from finance or management: Bus. F302, G300, J340, N300, P320, R300, T300; electives chosen in consultation with adviser, 5-13 hours.

**Senior Year:** Bus. M404; two courses from the following group: Bus. M315, M319, M407, M426, M427, M493 (by invitation only); one course from the following group: Bus. A205, A430, G300, K427; Econ. E475, E476; one course from the following group: Econ. E320, E340, E350, E360; electives chosen in consultation with adviser, 10-18 hours.

**Electives:** Marketing majors are urged to consider work in psychology, sociology, anthropology, mathematics, and quantitative areas, and in planning their programs should consider a study of basic courses in these areas early in their program in order that they may be prepared to enroll in advanced courses during their junior and senior years.

\* See also the general education core courses (page 18) and general programs (pages 19-20), required of all undergraduates.

## School of Education

Students at Indiana University at South Bend may earn: (1) the Bachelor of Science degree in Education with a General Elementary School Teacher's Certificate, Provisional, or (2) the Bachelor of Science degree in Education with a Secondary School Teacher's Certificate, Provisional, in English. Detailed requirements for these degrees and certification may be found in the 1968-69 Indiana University *Bulletin of the School of Education, Undergraduate Program*.

### CERTIFICATES FOR TEACHERS

Before receiving a teacher's certificate, a student must not only complete the courses required for that certificate, but must also be recommended to the Division of Education and Certification of the State Department of Public Instruction, Indianapolis, by the School of Education on the basis of evidence presented concerning personal qualities, professional characteristics, general health, speech qualities, and scholastic attainment essential for success as a teacher.

#### General Education Required For All Teaching Certificates

As a means of ensuring breadth in a student's education, Indiana University requires that, in meeting the general education requirements in the humanities, the life and physical sciences, and the social and behavioral sciences, the student must include the following in each of these three areas: (1) a five-hour course or a two-course sequence, (2) at least one course in at least two departments, and (3) a minimum of 16 semester hours in the humanities, 14 semester hours in the life and physical sciences, and 14 semester hours in the social and behavioral sciences, with a minimum total of 50 semester hours, of which six semester hours may be in appropriate electives. An appropriate advanced unlisted course may be substituted for one on the list on the recommendation of the student's counselor in cooperation with the office of the School of Education. No purely vocational or professional courses will be accepted in meeting these requirements.

Except in specified areas,\* courses used to satisfy General Education requirements also may be applied to fulfill requirements for a major or minor. In such a case the course may be used to meet all requirements to which it will apply, but the credit hours may be counted only once toward the total 124 hours required for a degree.

#### HUMANITIES (At least 16 semester hours)

	Semester hours
<b>CLASSICS</b>	
Classics C205 Classical Mythology .....	2
Classics C250 Greek Literature in Translation .....	3
Classics C260 Roman Literature in Translation .....	3
Classics C310 Greek and Roman Drama .....	3
Classics C315 Greek and Roman Historians .....	3
<b>COMPARATIVE LITERATURE</b>	
Comparative Literature C225 Modern Literature and the Arts .....	2
Comparative Literature C265 Introduction to Oriental Literature I .....	2
<b>ENGLISH</b>	
English L101 Freshman Literature I .....	3
English L102 Freshman Literature II .....	3
English L203 Introduction to Drama .....	3
English L204 Introduction to the Novel and Short Story .....	3
English L205 Introduction to Poetry .....	3
English L206 Introduction to Biography .....	3

\* In social and behavioral science, not more than 9 of the 14 hours may also be applied toward the social studies minor requirements.

	Semester hours
English L215 Masterpieces of English Literature I .....	2
English L216 Masterpieces of English Literature II .....	2
English L219 Introduction to Chaucer .....	3
English L220 Introduction to Shakespeare .....	3
English L301 Critical and Historical Study of English Literature to 1700 .....	3
English L302 Critical and Historical Study of English Literature since 1700 .....	3
English L351 Critical and Historical Study of American Literature I .....	3
English L352 Critical and Historical Study of American Literature II .....	3
English W131 Elementary Composition I .....	2
English W140 Elementary Composition, Special Program .....	2
<b>FINE ARTS</b>	
Fine Arts H100 Art Appreciation .....	3
Fine Arts H223 Introduction to History of Art I .....	3
Fine Arts H224 Introduction to History of Art II .....	3
<b>FOLKLORE</b>	
Folklore F201 Introduction to Folklore .....	3
Folklore F384 American Folklore .....	3
<b>FOREIGN LANGUAGE—Advanced courses in literature will apply in each language</b>	
<b>FRENCH</b>	
French F101 Elementary French I .....	5
French F102 Elementary French II .....	5
French F201 Second-Year Composition and Oral Practice I .....	2
French F202 Second-Year Composition and Oral Practice II .....	2
French F211 Modern French Prose I .....	3
French F212 Modern French Prose II .....	3
<b>GERMAN</b>	
German G101 Elementary German I .....	5
German G102 Elementary German II .....	5
German G210 Second-Year Composition, Conversation, and Reading I .....	5
German G211 Second-Year Reading I .....	3
German G212 Second-Year Reading II .....	3
<b>GREEK</b>	
Greek G101 Elementary Greek I .....	5
Greek G102 Elementary Greek II .....	5
Greek G203 Selected Dialogues of Plato .....	3
Greek G204 Homer .....	3
<b>ITALIAN</b>	
Italian M101 Elementary Italian I .....	5
Italian M102 Elementary Italian II .....	5
Italian M201 Second-Year Composition and Oral Practice I .....	2
Italian M202 Second-Year Composition and Oral Practice II .....	2
Italian M211 Modern Italian Prose I .....	3
Italian M212 Modern Italian Prose II .....	3
<b>JOURNALISM</b>	
Journalism C200 Introduction to Mass Communications .....	3
Journalism J423 Public Opinion .....	3
<b>LATIN</b>	
Latin L101 Elementary Latin I .....	5
Latin L102 Elementary Latin II .....	5
Latin L103 Intermediate Latin .....	5
Latin L203 Sallust, the Historian .....	3
<b>LINGUISTICS</b>	
Linguistics L103 Introduction to the Study of Language .....	3
Linguistics L503 Introduction to Linguistic Analysis .....	3
<b>MUSIC</b>	
Music M174 Appreciation of Music I .....	3
Music M175 Appreciation of Music II .....	3
Music M201 The Literature of Music I .....	3
Music M202 The Literature of Music II .....	3
Music R151 Introduction to Musical Theater .....	2
Music T113 Materials of Communications in Music I .....	3
Music T114 Materials of Communication in Music II .....	3

	Semester hours
<b>PHILOSOPHY</b>	
Philosophy P100 Introduction to Philosophy .....	3
Philosophy P240 Ethics .....	3
Philosophy P250 Logic .....	3
<b>PORTUGUESE</b>	
Portuguese P101 Elementary Portuguese I .....	5
Portuguese P102 Elementary Portuguese II .....	5
Portuguese P201 Second-Year Portuguese Composition and Conversation I .....	2
Portuguese P202 Second-Year Portuguese Composition and Conversation II .....	2
Portuguese P211 Modern Portuguese Prose I .....	3
Portuguese P212 Modern Portuguese Prose II .....	3
<b>RADIO AND TELEVISION</b>	
Radio and Television C200 Introduction to Mass Communications .....	3
<b>RECREATION</b>	
HPER R273 Arts and Crafts .....	2
<b>STUDY OF RELIGION</b>	
Religion R152 Introduction to Religion of the West .....	3
Religion R153 Introduction to Religions: Far East and India .....	3
Religion R210 Old Testament Times .....	3
Religion R220 The Christian Church in New Testament Times .....	3
<b>RUSSIAN</b>	
Russian R101 Elementary Russian I .....	5
Russian R102 Elementary Russian II .....	5
Russian R210 Second-Year Russian I .....	5
Russian R220 Second-Year Russian II .....	5
Russian R212 Second-Year Reading .....	3
<b>SPANISH</b>	
Spanish S101 Elementary Spanish I .....	5
Spanish S102 Elementary Spanish II .....	5
Spanish S203 Second-Year Spanish I .....	4
Spanish S204 Second-Year Spanish II .....	4
Spanish S210 Second-Year Spanish Composition .....	2
<b>SPEECH</b>	
Speech S121 Public Speaking I .....	2
Speech S240 Appreciation of the Theatre .....	2
Speech S247 Introduction to History of the Theatre I .....	3
Speech S248 Introduction to History of the Theatre II .....	3
<b>LIFE AND PHYSICAL SCIENCES (At least 14 semester hours)</b>	
<b>ANATOMY</b>	
Anatomy A210 Elementary Human Anatomy .....	5
<b>ASTRONOMY</b>	
Astronomy A100 The Solar System .....	3
Astronomy A105 Stellar Astronomy .....	3
<b>BOTANY</b>	
Biology B100 Man and the Biological World .....	5
Botany B101 Plant Biology .....	5
Botany B214 Nature Study .....	2
Botany B305 The Lower Plants .....	5
Botany B304 Vascular Plants .....	5
<b>BUSINESS</b>	
Business C205 Machine Statistical Computation .....	1
<b>CHEMISTRY</b>	
Chemistry C100 Chemistry .....	5
Chemistry C101 Elementary Chemistry I .....	5
Chemistry C102 Elementary Chemistry II .....	5
Chemistry C105 Principles of Chemistry .....	5
Chemistry C106 Quantitative Chemistry .....	5
<b>ECONOMICS</b>	
Economics E370 Interpretation of Business and Economic Data .....	3

	Semester hours
<b>GEOGRAPHY</b>	
Geography G107 Introduction to Physical Geography (3 cr. without lab.) .....	5
<b>GEOLOGY</b>	
Geology G100 Earth Science: Geologic Aspects, or Geology G105 Elements of Geology, or Geology G305 Geologic Fundamentals in Earth Science .....	5
Geology G106 Minerals and Rocks, or Geology G306 Earth Materials .....	5
<b>HEALTH AND PHYSICAL EDUCATION</b>	
HPER P397 Kinesiology .....	3
<b>MATHEMATICS</b>	
Mathematics M115 Review of Algebra and Trigonometry .....	5
Mathematics M117 Partial Review of Algebra and Trigonometry .....	3
Mathematics M118 Finite Mathematics .....	3
Mathematics M215 Analytical Geometry and Calculus I .....	5
Mathematics M216 Analytical Geometry and Calculus II .....	5
Mathematics S215 Honors Course in Analytical Geometry and Calculus I .....	5
Mathematics S216 Honors Course in Analytical Geometry and Calculus II .....	5
<b>MICROBIOLOGY</b>	
Microbiology M250 Introductory Bacteriology: Lectures .....	3
Microbiology M255 Introductory Bacteriology: Laboratory .....	2
<b>PHYSICS</b>	
Physics P100 Physics in the Modern World .....	5
Physics P201 General Physics: Mechanics, Heat, and Sound .....	5
Physics P202 General Physics: Light, Electricity, and Magnetism .....	5
Physics P221 General Physics: Mechanics, Heat, and Sound .....	5
Physics P222 General Physics: Light, Electricity, and Magnetism .....	5
<b>PHYSIOLOGY</b>	
Physiology P204 Elementary Human Physiology .....	5
Physiology P310 Biophysical Principles in Physiology .....	5
<b>PSYCHOLOGY</b>	
Psychology P101 Introductory Psychology I (3 hours), and Psychology P111 Introductory Laboratory Psychology I (2 hours) .....	5*
Psychology P102 Introductory Psychology II (3 hours), and Psychology P112 Introductory Laboratory Psychology II (2 hours) .....	5*
<b>ZOOLOGY</b>	
Zoology Z103 Animal Biology .....	5
Zoology Z104 Ornithology .....	2
Zoology Z364 Genetics .....	4
<b>SOCIAL AND BEHAVIORAL SCIENCES (At least 14 semester hours)</b>	
<b>ANTHROPOLOGY</b>	
Anthropology A307 Survey of Anthropology I: Prehistory and Races, or Anthropology A103 General Anthropology I .....	3
Anthropology A308 Survey of Anthropology II: Culture, Language, Personality, or Anthropology A104 General Anthropology II .....	3
Anthropology A311 Bioanthropology .....	5
Anthropology A312 Varieties of Man .....	3
Anthropology A350 General Archaeology .....	3
Anthropology A363 Indians of North America .....	3
Anthropology A395 Music of Nonliterate Peoples .....	3
Anthropology A475 Personality and Culture .....	3
<b>ECONOMICS</b>	
Economics E201 Principles of Economics I .....	3
Economics E202 Principles of Economics II .....	3
Economics E300 Economic Principles .....	5
Economics E310 Modern European Economic History .....	3
Economics E325 Comparative Economic Systems .....	3
Economics E412 American Economic History I .....	3
Economics E420 History of Economic Analysis .....	3

\* P101 will apply to Life Physical Science requirements only when accompanied by P111; likewise, P102 will apply only when accompanied by P112.

	Semester hours
<b>GEOGRAPHY</b>	
Geography G210 Introduction to Human Geography .....	3
Geography G313 Political Geography .....	3
Geography G413 Economic Geography .....	3
<b>GOVERNMENT</b>	
Government G103 Introduction to American Government I .....	3
Government G104 Introduction to American Government II .....	3
Government G213 Introduction to World Politics I .....	3
<b>HISTORY</b>	
Basic courses in history	
<b>HISTORY AND PHILOSOPHY OF SCIENCE</b>	
History and Philosophy of Science X303, Introduction to Philosophy of Science .....	3
<b>HOME ECONOMICS</b>	
Home Economics H206 Nutrition .....	2
Home Economics H323 Modern Problems of the Family .....	3
<b>PSYCHOLOGY</b>	
Psychology P101 Introductory Psychology I .....	3
Psychology P102 Introductory Psychology II .....	3
<b>SOCIAL SERVICE</b>	
Social Service S304 Modern Social Welfare Organization .....	3
<b>SOCIOLOGY</b>	
Sociology S161 Principles of Sociology .....	3
Sociology S163 Social Problems .....	3
Sociology S232 Society and the Individual .....	3
Sociology S307 Social Anthropology .....	3
Sociology S309 The Community .....	3
Sociology S416 The Family .....	3

### Course Requirements For An Elementary Teacher Certificate, Provisional

The listings in the following eight groups of courses will meet the General Education and Certification credit hour requirements (minimum total of 124 credit hours) for the B.S. degree in Elementary Education.

	Hours
<b>1. ARTS (at least 10 hours)</b>	
Fine Arts H100 Art Appreciation .....	3
Fine Arts S255 Crafts and Design I .....	2
Music E241 Introduction to Music Fundamentals .....	2
Music M174 Appreciation of Music I .....	3
Sufficient additional courses to be selected from music and/or art	
<b>2. LANGUAGE ARTS (at least 15 hours)</b>	
English W131 Elementary Composition I .....	2
English L101 Freshman Literature I .....	3
English L102 Freshman Literature II .....	3
Linguistics L103 Introduction to the Study of Language, or an equivalent course in language structure .....	3
English L390 Children's Literature .....	3
Sufficient additional courses to be selected from the language arts field	
<b>3. MATHEMATICS (at least 8 hours)</b>	
Mathematics T104 General Mathematics for Elementary Teachers .....	5
Mathematics T106 Geometry for Elementary Teachers .....	3
<b>4. SCIENCES (at least 15 hours)</b>	
One course in physical science to be selected from the following: .....	3-5
Astronomy A100 The Solar System (3 hours)	
Chemistry C100 Chemistry (5 hours)	
Physics P100 Physics in the Modern World (5 hours)	



- One course in biological science to be selected from the following: ..... 5  
 Biology B100 Man and the Biological World (5 hours)  
 Botany B101 Plant Biology (5 hours)  
 Zoology Z103 Animal Biology (5 hours)
- One course in geology or physical geography to be selected from the following: 3-5  
 Geography G107 Introduction to Physical Geography (3-5 hours)  
 Geology G100 Geology and Man (5 hours), or  
 Geology G105 Elements of Geology (5 hours)
- Sufficient additional courses to be selected from the following:  
 Botany B214 Nature Study (2 hours)  
 Other courses listed in the fields of science or conservation
5. SOCIAL STUDIES (at least 15 hours)  
 Geography G210 Introduction to Cultural Geography ..... 3  
 One course in history to be selected from the following: ..... 3  
 History H103 History of Western European Civilization I (3 hours)  
 History H104 History of Western European Civilization II (3 hours)  
 History H105 American History: General Course I (3 hours)  
 History H106 American History: General Course II (3 hours)  
 Sociology S161 Principles of Sociology ..... 3  
 Sufficient additional courses to be selected from the above areas or from anthropology, economics, or government
6. PROFESSIONAL EDUCATION  
 Education E325 Social Studies in the Elementary Schools ..... 3\*  
 Education E328 Science in the Elementary Schools ..... 3\*  
 Education E335 Language Arts in the Elementary Schools ..... 4\*  
 Education E343 Arithmetic in the Elementary Schools ..... 3\*  
 Education F100 Introduction to Teaching ..... 2  
 Education H440 Education and American Culture ..... 3†  
 Education M323 The Teaching of Music in the Elementary Schools ..... 2  
 Education M333 Art Experiences for the Elementary Teacher ..... 2  
 Education M425 Student Teaching in the Elementary Schools ..... 15‡  
 Education P280 Human Development and Learning ..... 5  
 A carefully planned sequence of related laboratory experiences will be required on a noncredit basis.
7. OTHER REQUIRED WORK  
 HPER R180 Recreation Leadership ..... 2  
 Home Economics H206 Nutrition ..... 2  
 Speech S160 Speech Correction for Classroom Teaching ..... 3
8. ELECTIVES OR SUBJECT CONCENTRATION  
 It is recommended that the student obtain a minor of 24 semester hours in at least one field

### General Requirements For A Secondary School Teacher Certificate, Provisional

**General Education.** A minimum of 50 semester hours, always including at least two hours of English composition, in which the student has earned a grade of at least C.

**Professional Education.** A minimum of 18 semester hours, as follows:

	Semester hours
Education F100 Introduction to Teaching .....	2
Education M440-M478 Methods of Teaching High School Subjects (one course to be taken in each major area) .....	3§
Education M480 Student Teaching in the Secondary School .....	6-8
Education P280 Human Development and Learning .....	5
Education S485 Principles of Secondary Education .....	3

\* Second-semester junior or first-semester senior year courses, with prerequisites, Education F100 and P280.

† To be taken by juniors and seniors in lieu of Education F100. Graduate students may take a graduate course in History or Philosophy of Education in lieu of Education F100.

‡ Student teaching must be taken during the senior year.

§ No one should take these courses unless he can give time to required laboratory experiences during the school day.

|| Education M480 and S485 must be taken during the same semester.

### Major teaching area (40 hours) in English:

ENGLISH*	
English G203 English Grammar for Teachers .....	3
English G403 English Language Studies for Teachers .....	2
English L101 Freshman Literature I .....	3
English L102 Freshman Literature II .....	3
English L220 Introduction to Shakespeare, or English L313 Major Plays of Shakespeare .....	3
English L301 Critical and Historical Study of English Literature to 1700 .....	3
English L302 Critical and Historical Study of English Literature since 1700 .....	3
English L351 Critical and Historical Study of American Literature I, or English L352 Critical and Historical Study of American Literature II .....	3
English W350 Advanced Expository Writing .....	3
Journalism C200 Introduction to Mass Communications .....	3
One course to be selected from the following:	
English L203 Introduction to Drama .....	3
English L204 Introduction to the Novel and Short Story .....	3
English L205 Introduction to Poetry .....	3
English L206 Introduction to Biography .....	3
English L219 Introduction to Chaucer .....	3
One course to be selected from the following:	
Speech S121 Public Speaking I .....	2
Speech S228 Argumentation and Debate .....	3
Speech S343 Oral Study of Literature .....	3
Sufficient additional courses to be selected from 300 or 400 level courses in literature and comparative literature.	

For additional information on other teaching majors and minors, the student should check pp. 29-48 of the 1968-69 Indiana University *Bulletin of the School of Education, Undergraduate Program*.

All students enrolled in the School of Education should make arrangements to see a School of Education counselor for assistance in planning their programs.

\* Students taking a major in English must make a grade of C or better in English composition and English G203. English W131 is required, but does not count toward the minimum of 40 semester hours.

## Programs Leading to Other Indiana University Degrees

The requirements for various baccalaureate, associate, and advanced degrees at Indiana University not available at Indiana University at South Bend are described in detail in appropriate bulletins published by the University, copies of which are available in the Counseling Office. Such degrees are offered in the Division of Allied Health Sciences; the numerous departments and divisions of the College of Arts and Sciences; School of Business; School of Dentistry; School of Education; Division of General and Technical Studies; School of Health, Physical Education, and Recreation; School of Medicine; School of Music; School of Nursing; School of Law; Graduate Library School; and Graduate School of Social Service.

The first- and second-year requirements for many of the baccalaureate degrees are available at Indiana University at South Bend. Students may consult with counselors concerning these requirements.

### SCHOOL OF MUSIC

Undergraduates may pursue programs in the School of Music leading to the degrees Bachelor of Music, Bachelor of Music Education, or Bachelor of Science in Music. Completion of the curricula for the B.M.E. degree qualifies students for the provisional teaching certificate. Two full years of course work toward bachelors' degrees in music and music education are available at Indiana University at South Bend during the 1968-69 academic year. In addition, many of the basic music courses are also available as listed elsewhere in this catalog (see pages 50-51). For complete requirements and specific regulations for the various specializations in music see the *Bulletin of the School of Music*.

All students in the School of Music must enroll in a major ensemble for each period of registration, except by written permission of the Director of Music.

Undergraduate and graduate music majors who are enrolled in Theory (T) or Music History and Literature (M) courses are required to attend at least eight appropriate concerts per semester. A complete statement outlining this policy is available at the Office of the Director of Music. Failure to conform to this regulation will require the Music Standards Committee to impose a grade penalty in the relevant course.

Graduate students in music education may enroll for basic courses leading toward the degree Master of Music Education. For the time being, one such course will be offered each semester at Indiana University at South Bend.

## Two-Year Certificate Programs

Indiana University at South Bend provides five programs for which two-year certificates will be awarded, three by the College of Arts and Sciences and two by the School of Business. These certificates, each requiring approximately 60 semester hours of University courses as outlined below, are awarded to students whose accumulation of credits and residence status satisfy the requirements.

Students expecting to be awarded a certificate as of September 1 of a given year must submit certification requests no later than the beginning of the second semester of the previous academic year. Students completing their certificate work on the Bloomington Campus will submit requests to the office of the dean of the respective college or school; those completing their work elsewhere will submit requests to the dean of the appropriate campus.

### COLLEGE OF ARTS AND SCIENCES CERTIFICATES

The *General Requirements* for all certificate programs include:

1. Admission as a regular student to Indiana University, which includes all orientation test requirements.

All students entering the College of Arts and Sciences who matriculate as freshmen in Indiana University after September, 1965 must give evidence of competence in one foreign language equivalent to the first college year of the language or be admitted provisionally until the requirement is met. A student will not receive credit toward a certificate or degree in the College for meeting this requirement or for the course or courses which he has taken or may take to meet it.

2. Two years of high school mathematics. (Credit for equivalent college mathematics courses will not be applied to the 60 credit hour minimum.)

3. Satisfactory completion of one of the certificate programs with an accumulative average of C or higher.

4. Completion of at least 30 credit hours in residence at Indiana University (at any of the campuses) with at least the last 15 hours on the campus from which the certificate is requested. Credit through advanced placement and through correspondence study will be considered nonresidence credit for certificate purposes.

For each of the three College of Arts and Sciences certificates the following *Basic Curriculum* of 24 hours is required:

1. Six credit hours in English Composition—English W131 or W140.

2. Five credit hours in a laboratory science course listed under Group III A in the *Bulletin of the College of Arts and Sciences*.

3. Five credit hours in a laboratory science course listed under Group III B in the *Bulletin of the College of Arts and Sciences*.

4. Six credit hours in any course sequence in social science listed under Group IV A in the *Bulletin of the College of Arts and Sciences*.

5. Six credit hours in any course sequence in literature, philosophy, or the arts listed under Group IV B of the *Bulletin of the College of Arts and Sciences*.

### Certificate in the Humanities

For the Certificate in the Humanities, the student must satisfy the following requirements in addition to the Basic Curriculum:

1. Six credit hours of history if not taken as a part of the Basic Curriculum.

2. A minimum of 28 credit hours to be selected from courses offered by the following departments: Comparative Literature, English, Fine Arts, Foreign Language (French, German, Greek, Italian, Latin, Russian, Spanish), Philosophy, Speech and Theatre. (Elementary Composition W131, W140; English Literature L101 and L102; and the first ten hours of a foreign language will not apply.)

3. A minimum of 12 hours in courses offered by one of the above listed departments is required.

#### Certificate in the Social Sciences

For the Certificate in the Social Sciences, the student must satisfy the following requirements in addition to the Basic Curriculum:

1. A minimum of 34 credit hours to be selected from courses offered by the following departments: Anthropology, Economics, Government, History, Sociology.
2. A minimum of 12 hours in courses offered by one of the above listed departments is required.

#### Certificate in the Sciences

For the Certificate in the Sciences, the student must satisfy the following requirements in addition to the Basic Curriculum:

1. **Mathematics:** A minimum of 5 credit hours above that listed under General Requirements.
2. A minimum of 29 credit hours to be selected from courses offered by the following departments: Anatomy and Physiology, Astronomy, Botany, Chemistry, Geography, Geology, Mathematics, Microbiology, Physics, Psychology, Zoology.
3. A minimum of 15 hours in courses offered by one of the above listed departments is required.

### SCHOOL OF BUSINESS CERTIFICATES

For each of the three School of Business certificates, the following general education courses are required:

	Hours
English W131 or W140 .....	2
Government G103-G104, History H103-H104, History H105-H106 .....	6
English L101, L102; Philosophy P100, P240, P250; foreign language second-year courses .....	6
Anthropology A103, A104; Geography G210; Psychology P101,* P102; Sociology S161, S163, or S232 .....	3
Laboratory science .....	5
Biology B100; Botany B101; Chemistry C100, C101, or C105; Geography G105-G106; Geology G100; Physics P100 or P201; Psychology P101-P111*; or Zoology Z103.	
Mathematics M115, M117 .....	0-5
Electives .....	1-6

A student may meet the mathematics requirements by having completed in high school four semesters of algebra, or three semesters of algebra and one semester of trigonometry.

#### Certificate in Accounting

For the Certificate in Accounting, the following will complete the requirements: Bus. A200 or A201-A202, A205, A211, A312, W100; Econ. E201-E202; one of: Bus. A306, A308; one of: Bus. F301, L300, M301, W300, Econ. E370.

#### Certificate in Management and Administration

For the Certificate in Management and Administration, the following will complete the requirements: Bus. A201-A202, L300, W100, W300; Econ. E201-E202, E370; one of: Bus. F301, J340, M301, P320; one of: Bus. A228, F260, N300, R300, T300, U300.

\* Psychology P101 cannot be double counted.

## Graduate Degree Programs

Certain courses offered at regional campuses may be applied toward graduate degrees in the Graduate School, the School of Education, and the School of Health, Physical Education, and Recreation, provided the student has been admitted to the particular graduate school and provided he clears his proposed program with his departmental chairman. Requirements for the degrees Master of Arts for Teachers and Master of Science in Education are given below. Requirements for other graduate degrees may be found in the *Bulletin of the Graduate School; School of Education, Graduate Division; and School of Health, Physical Education, and Recreation.*

In some graduate programs it is possible for the student to apply a maximum of six semester hours of undergraduate course work to complete the graduate degree requirements. Permission to do this must be obtained from the student's department chairman.

### EDUCATION

#### Requirements for the degree Master of Arts for Teachers

1. Thirty-six hours beyond the baccalaureate degree, with at least 20 hours in the major teaching field, and the rest allocated either to additional work in the major or to one or more minors.
2. Although not specifically required, education may be offered as a minor.
3. Of the 36 hours, 30 must be completed while enrolled on campuses of Indiana University, with at least one semester, or two summer sessions, of full-time work taken on the Bloomington Campus.
4. A grade average of B or higher.
5. Each candidate must possess a teacher's certificate by the time the degree is conferred.
6. On approval of the Dean of the Graduate School, a maximum of six hours of undergraduate courses may be applied toward this degree.
7. All requirements must be completed within five years.

#### Requirements for the degree Master of Science in Education

1. Admission to candidacy for the Master of Science in Education degree is in effect when: the student has been admitted unconditionally to graduate study; the student has maintained a grade-point average of at least B in 12 semester hours or more of all graduate and undergraduate work taken after completion of the requirements for the baccalaureate degree; and a major area of study has been selected and approved.
2. Thirty-six hours, at least 30 of which must be in graduate courses (30 required with a thesis), completed with a grade of B or higher.
3. Fifteen hours of graduate courses must include Education P503; one from P510, P515, P516, P525, P540; one from H503, H504, H520, H530, H535, or H538.
4. Fifteen hours, the equivalent of one semester, must be spent in residence on the Bloomington Campus.
5. A major in education, selected from: adult education,\* audio-visual communications and radio and television education, business education, counseling and guidance, curriculum (art education),† curriculum (social studies education), educational psychology, elementary education, higher education (college personnel only), history and philosophy of education, reading, research, school administration,‡ secondary education, special education, and vocational education.

\* Students majoring in adult education must meet the requirements for the Master of Science in Education degree with a thesis.

† Students without prior art education must complete a minimum of 24 semester hours in fine arts in order to meet the minimum state certification requirements for the teaching of art.

‡ Election of a major in school administration is limited to certain types of cases and must be approved by the Director of Graduate Studies in the School of Education.

6. A minimum of 9 graduate semester hours must be taken in schools and departments other than education. If conversion of a certificate to professional is involved, then 9 hours in each area of certification is required.

7. As a general rule, up to six semester hours of graduate credit in which no grade less than B is received may be transferred from another accredited institution to apply toward the degree, provided that such work is appropriate to the student's degree objective and that the grade-point average of all work appearing on the transcript is at least B. By special arrangement, an applicant for this degree may transfer up to 15 semester hours of graduate credit from one or more of the other three state institutions in Indiana (Indiana State, Ball State, and Purdue) to apply toward the degree, subject to the following conditions:

a. A program leading to requirements for the degree that involves the transfer of more than six semester hours from any of these three institutions must be planned in consultation with a faculty adviser on the Bloomington Campus and approved by the Director of Graduate Studies in the School of Education *in advance* of the acceptance and the transfer of such credit.

b. The total of all work to be transferred from these three institutions, including the six semester hours that may be accepted for transfer from any other accredited institution, cannot exceed 15.

c. The work to be transferred must be certified by the institution in which it was taken as carrying graduate credit.

8. All requirements must be completed within a period of six calendar years.

## ENGLISH

Students who wish to pursue a Master of Arts degree in English or a Master of Arts for Teachers degree may earn up to fifteen semester hours of graduate English credit at Indiana University at South Bend. At present one four-semester hour graduate English course is offered each semester. Additional courses will be offered as the student enrollment demands it.

Students working for advanced English degrees at other institutions may enroll in these courses if they have the permission of their school adviser. Students pursuing graduate degrees in areas other than English may take these courses as electives as approved by their department adviser.

## Joint Course Offerings with Purdue University

### PURDUE FRESHMAN ENGINEERING

Indiana University and Purdue University jointly offer the Purdue University freshman year of engineering at Indiana University at South Bend. A student who satisfactorily completes this program may transfer to the Lafayette Campus of Purdue University for the sophomore year in any of the schools of engineering or in mathematical science. However, he will apply to Purdue as a transfer and must meet Purdue's requirements for a transfer student.

If a transfer from an Indiana University campus to Purdue is approved, all approved courses will transfer with both credit and grade.

A student may wish to transfer to Purdue into a school other than engineering or mathematics. If so, he should consult with the Purdue Office of Admissions.

A student who enters this program must meet the usual requirements for admission to engineering at Purdue University. He will also be required to take placement tests for proper assignments. Full-time students should complete 18 to 19 hours per semester in order to be ready for the sophomore year of engineering at Purdue University.

#### First Semester

	Hours
W131 or W140 Elementary Composition (I.U.) .....	2
*C105 Principles of Chemistry (I.U.) .....	5
†M215 Analytic Geometry and Calculus I (I.U.) .....	5
‡EG116 Graphics I (Purdue) .....	2
§Nontechnical Electives .....	3-4
(To make a total of 18-19 hours per semester)	

#### Second Semester

*C106. Quantitative Chemistry (I.U.) .....	5
†M216 Analytic Geometry and Calculus II .....	5
‡EG117. Graphics II (Purdue) .....	2
§Physics P152. Mechanics and Sound (Purdue) .....	4
Speech S121. Public Speaking I (I.U.) .....	2
Nontechnical Electives .....	0-2
(To make a total of 18-19 hours per semester)	

\* Students whose high school preparation for chemistry is inadequate as shown by Purdue Placement Tests will be required to complete C101, Elementary Chemistry I (I.U. 5 hrs.) before taking C105. This course will not count toward the engineering degree.

† Students whose high school background for M215 and M216 seems inadequate as shown by placement tests will be required to complete M117 (or M115) (I.U. 3 to 5 hrs.) before enrolling in M215 and M216. These courses will not count toward the engineering degree.

‡ Students enrolling in EG116 must be eligible for or enrolled in Mathematics M215. EG116-EG117 will substitute for EG118, Engineering Graphics (Purdue) (4 hrs.)

§ Physics P221 General Physics: Mechanics, Heat, and Sound (I.U.) (5 hrs.) may be substituted for Physics P152 (Purdue).

|| The Purdue University Schools of Engineering require a minimum of 18 hours in a nontechnical program. At least 12 of the 18 hours must be in either the humanities or the social sciences; the remaining six hours must be in the other of these two areas. There must be a continuation of courses in the same department of at least 6 hours.

Courses which will meet these requirements include:

#### Humanities

English—L101, L102, and advanced courses  
 Foreign Language—French, Spanish, or German  
 Philosophy—P100, P200, P240, P250, or advanced courses  
 Fine Arts—H100, H223, H224, S235, S255, S256, S333  
 Speech and Theatre—S122, S223

#### Social Sciences

History—H103, H104, H105, H106, and advanced courses  
 Government—G103, G104, and advanced courses  
 Sociology—S161, S163, S232, and advanced courses  
 Psychology—P101, P102, and advanced courses  
 Economics—E201, E202, and advanced courses

## Course Offerings, 1968-69

The following courses are expected to be offered during the 1968-69 academic year. Many departments offer additional courses in alternate years (see course descriptions). As an aid to planning future programs, students should consult the counseling office or a member or assistant chairman of the department concerned. A more final and detailed class schedule listing days, hours, and room numbers is published about four weeks before the beginning of each semester and the summer session. The University reserves the right to cancel courses due to insufficient enrollment. Courses numbered in the 100's are generally intended for freshmen, those in the 200's for sophomores, and those in the 300's and 400's for juniors and seniors. Graduate courses bear numbers in the 500's and 600's.

The abbreviation "P" refers to the course prerequisite or prerequisites. Indicated semesters during which courses are offered are subject to change.

### BIOLOGICAL SCIENCES

#### Anatomy and Physiology

- A210 Elementary Human Anatomy (5 cr.) (Fall)  
Introduction to basic structure of human body. Laboratory study of demonstration dissections and other illustrative material.
- P204 Elementary Human Physiology (5 cr.) (Spring)  
Lecture and laboratory on blood, circulation, respiration, digestion, metabolism, excretion, endocrines, muscle, nerve, special senses, and central nervous system.

#### Biology

- B100 Man and the Biological World (5 cr.) (Fall, Spring)  
Principles of biological organization, from molecules through cells and organisms to populations. Emphasis on processes common to all organizations. For students with no professional interest in biology. Not open to those with credit in Botany B101 or Zoology Z103.

#### Botany

- B101 Plant Biology (5 cr.) (Fall, Spring)  
Not open to students with credit in Biology B100. Fundamental principles of biology as illustrated by plants: characteristics of living matter, nutrition, growth, responses to environment, reproduction, basic principles of heredity.
- B214 Nature Study (2 cr.) (Fall, Spring)  
Introduction to natural science, with emphasis on biological aspects of living things; interrelationships between plants and animals. Field and nature museum studies; identification and classification of plants and animals; life histories; characteristics of living world in water, field, and woodland.

#### Microbiology

- M250 Introductory Bacteriology: Lectures (3 cr.) (Fall)  
P: Biology B105-B106 or equivalent, Chemistry C105 or C101-C102. Introduction to bacteria; cytology, nutrition and cultivation, physiology. Importance of bacteria in applied fields; role of bacteria and viruses in infectious diseases.
- M255 Introductory Bacteriology: Laboratory (2 cr.) (Fall)  
P: M250, which should be taken concurrently. Exercises and demonstrations to yield proficiency in principles and techniques in the cultivation and utilization of microorganisms under aseptic conditions.

#### Zoology

- Z103 Animal Biology (5 cr.) (Fall, Spring)  
Not open to students with credit in Biology B100. Emphasis on interdependence of all living things. Type forms, e.g., frog, crayfish, earthworm, used to demonstrate general biological principles. Functional aspects of biology, inheritance, development, and evolution, and their application to human biology.
- Z215 Developmental Anatomy (5 cr.) (Spring)  
P: Z103 with grade of C or higher. Comparative study of the structure and development of vertebrates, including man.

### BUSINESS

#### Accounting

- A200 Introduction to Management Accounting (5 cr.) (Fall, Spring)  
P: 26 credit hours. For accounting majors only. Others admitted upon approval. Basic concepts and procedures; accounting contribution to managerial planning and control; emphasis on production management accounting, marketing management accounting; external utilization of accounting data.
- A201 Introduction to Management Accounting I (3 cr.) (Fall, Spring)  
P: 26 credit hours. Basic concepts and procedures; accounting contributions to managerial planning and control; emphasis on production management accounting.
- A202 Introduction to Management Accounting II (3 cr.) (Fall, Spring)  
P: A201. Accounting contributions to managerial planning and control; emphasis on marketing management accounting and financial management accounting; external utilization of accounting data.
- A205 Management Accounting III (3 cr.) (Fall, Spring)  
P: A200 or A202. Internal managerial uses of quantitative data including planning (budgeting), controlling, and decision-making; external financial analysis.
- A211 Intermediate Accounting I (3 cr.) (Fall, Spring)  
P: A200 or A202. Accounting cycle and statements, cash, receivables, inventories, plant and equipment, intangible assets, investments, liabilities, capital stock and surplus, and statement analysis.
- A306 Advanced Industrial Cost Accounting (3 cr.) (Spring)  
P: A205. Standard costs, process costs, job order costs, and flexible budgets; emphasis on technical accounting aspects and presentation of interpreted data to management.
- A308 Income Tax (3 cr.) (Fall)  
P: A200 or A202. Internal Revenue Code and Regulations. Emphasis on income, exclusion from income, deductions, and credits.
- A309 Advanced Income Tax (3 cr.) (Spring)  
P: A308 and A312. Internal Revenue Code and Regulations; stress on advanced aspects of income, deductions, exclusions, and credits, especially as applied to tax problems of estates, trusts, partnerships, and corporations. Tax forms and practical tax problem situations.
- A312 Intermediate Accounting II (3 cr.) (Fall)  
P: A211. Statement of application of funds, partnerships, venture accounting, consignments, installment sales, insurance, branch accounting, parent and subsidiary financial statements, estates and trusts, statement of affairs, and foreign exchange.
- A313 Advanced Accounting Problems I (3 cr.) (Fall, Spring)  
P: A312. Preparation of students for actual practice and C.P.A. examination. Preparation, revision, and correction of statements; comparative statements, investments; fixed assets; liabilities; funds and reserves; compound interest and annuities; and statement of application of funds.
- A404 Auditing (3 cr.) (Spring)  
P: A205, A312, and senior standing. Public accounting organization and operation; internal control, internal auditing; verification of balance sheet and operating accounts; the auditor's report or opinion.
- A414 Advanced Accounting Problems II (3 cr.) (Spring)  
P: A312. Continuation of A313, covering branch accounting, mergers, and consolidations, foreign exchange, ventures, consignments, installment sales, insurance, realization and liquidation statements, and estates and trusts. May take A414 before A313.

#### International Business Administration

- D420 International Business Administration (3 cr.) (Fall)  
P: senior standing. Foreign environment for overseas operations, U.S. government policies and programs for international business, international economic policies, and management decisions and their implementation in international marketing, management, and finance.

#### Finance

- F301 Principles of Finance I (3 cr.) (Fall)  
P: A201-A202, Econ. E201-E202. Not open to students who received credit in F310 (formerly F300). Business finance from viewpoint of business manager; use of financial statements, tools, and concepts for measuring and planning for profitability and liquidity. Should be followed by F302. Students may enroll concurrently in F393.
- F302 Principles of Finance II (3 cr.) (Fall)  
P: F301, M301, W300. Financial planning, working capital management, capital budgeting, dividend policy, and comprehensive problems.
- F420 Principles of Investment (3 cr.) (Fall, Spring)  
P: F301. Problems of investment policy, types of investment risks, and introduction to security analysis, the analysis of investment requirements, and kinds of investment policies.

**F446 Commercial Banking (3 cr.) (Spring)**

P: F301, Econ. E350. Problems of commercial banking discussed from point of view of bank management; determination of proper size of asset reserves; credit analysis required for various kinds of bank loans; investment policies for commercial banks; problems of equity reserves and capital account.

**Business Economics and Public Policy****G300 Introduction to Managerial Economics (3 cr.) (Fall, Spring)**

P: Econ. E201-E202. Applications of elementary concepts of micro-economic theory in the solution of business problems. Development of a conceptual framework for business decision-making under conditions of uncertainty.

**G406 Business Enterprise and Public Policy (3 cr.) (Spring)**

P: senior standing. Legal, political, and economic framework of American business-government relationships; emergence of specific industry promotion, regulation and public ownership; government promotion of competition and policing of market practice.

**G409 Business Conditions and Public Policy (3 cr.) (Spring)**

P: senior standing. Measurement and economic analysis of general business conditions; the role of government in promoting stable business conditions, advancing economic-growth, and mobilizing for national emergencies.

**Personnel and Organization Behavior****J340 Personnel Management (3 cr.) (Fall, Spring)**

P: W300 or consent of instructor. Objectives, organization, policies, and activities in typical personnel programs; problems encountered in their effective administration. Recruiting, selecting, placing, training, safety, health, employee services, wages and hours, labor management relations, and personnel research.

**J407 Employment and Development of Personnel (3 cr.) (Spring)**

P: J340. Problems and processes involved in administration of employment, training, and development functions of an integrated personnel program. Organizational planning and manpower requirements, management selection and development, and management appraisal.

**J446 Organizational Behavior and Supervision (3 cr.) (Spring)**

P: J340 or consent of instructor. Individual and group behavior within context of goal-seeking organization; role of motivation, perception, and learning in causation and direction of individual behavior; work group characteristics: leadership and communication processes, cohesion, influence and power networks; dimensions of organization significantly influencing individual and group work.

**Quantitative Business Analysis****K423 Survey of Electronic Data Processing Methods (3 cr.) (Fall, Spring)**

Effect of electronic computer upon business management and organization. Principles of electronic computers, illustrations of their use; introduction to data processing system design.

**Business Law****L300 Business Law—Contracts (3 cr.) (Fall, Spring)**

P: junior standing. Nature of legal institutions; essentials of a binding contract; legal rules relating to the performance of a contract; remedies granted in breach of contract; rights acquired by assignment of contract.

**L303 Business Law—Property, Sales, and Negotiable Instruments (3 cr.) (Spring)**

P: L300. Legal problems encountered in marketing of goods. Nature of property, sales of personal property, securing of credit granted, nature and use of negotiable instruments.

**Marketing****M301 Principles of Marketing I (3 cr.) (Fall, Spring)**

P: Econ. E201-E202. Marketing function of the firm primarily from management standpoint; social welfare considerations also treated. Marketing variables of product, channels, pricing, and promotion related to the profitability, survival, and growth of the firm. Function of marketing institutions in the economy.

**M302 Principles of Marketing II (3 cr.) (Fall, Spring)**

P: M301. Aggregate marketing system from viewpoint of the decision-maker. Comparative study of marketing institutions; complex marketing interrelationships among firms.

**M315 Principles of Advertising (3 cr.) (Fall)**

P: M301. Surveys structure of advertising and the problems of advertising and promotion management from viewpoint of the marketing manager.

**M319 Principles of Retailing (3 cr.) (Fall)**

P: M301. Principles of successful retail management; analytical and research methods applicable to problems of retail management.

**M404 Advanced Marketing (3 cr.) (Spring)**

P: M301, M302, two other marketing courses, senior standing. Capstone course for marketing majors. Integration of the firm's marketing program, using management-oriented approach; emphasis on analytical tools for marketing decision-making.

**M407 Industrial Marketing (2 cr.) (Spring)**

P: M301, senior standing. Management aspects of marketing of industrial goods; economic factors affecting marketing policy. Buying practices, channels of distribution, sales organization, industrial distributors, functional middlemen, advertising, price policy, market policy, and market research.

**M426 Sales Management (3 cr.) (Fall)**

P: senior standing. Managerial aspects of marketing; problems involved in investigations of markets, planning the sales effort, management of sales and service personnel, and control of sales operations.

**M427 Market and Sales Analysis (3 cr.) (Spring)**

P: M301-M302, Econ. E370. Statistical and behavioral research methods in marketing management. Market analysis; information sources; design of sample, statistical studies, questionnaire; analysis and presentation of research results.

**Insurance****N300 Principles of Risk and Insurance (3 cr.) (Spring)**

Nature of risk; insurance as method of dealing with risk; property liability and life-health insurance; insurance as an economic and social institution.

**Production Management and Industrial Engineering****P320 Production Management (3 cr.) (Fall, Spring)**

P: Econ. E370. Production of goods and services. Major problems in line and staff management of the production of operations function. Development of analytical processes.

**Real Estate Administration****R300 Principles of Real Estate (3 cr.) (Spring)**

P: Econ. E201-E202. Real estate divisions and operations related to location factors; reference to economic background of cities, city growth and structure, neighborhoods and districts; real estate market analysis; principal subdivisions of real estate field; managerial policies of private enterprises and government agencies.

**Transportation and Public Utilities****T300 Principles of Transportation (3 cr.) (Fall)**

P: Econ. E201-E202. Private and public management of transportation resources. Development of transport institutions. Rate theory and systems of the forms of transportation. Physical distribution. Metropolitan transportation. Systems in other countries.

**Management and Administration****W100 Business Administration: Introduction (3 cr.) (Fall, Spring)**

Business administration from standpoint of manager of a business firm operating in the contemporary economic, political, and social environment.

**W300 Principles of Management and Administration (3 cr.) (Fall, Spring)**

P: Econ. E201-E202. Fundamentals of administrative staff and operative management. Successful management principles and techniques for all fields of business: business objectives, policies, functions, executive leadership, organization structure and morale, operative procedures, and control procedures.

**W391 Comprehensive Examination (0 cr.) (Fall, Spring)**

A written examination, required during the semester of the junior year when the student completes the seven "core" courses. Satisfactory completion is a prerequisite to pursuing senior-level courses in business and economics.

**W410 Personal Adjustment to Business (1 cr.) (Fall)**

Open to second-semester juniors and seniors of other schools. Assists graduates in obtaining positions consistent with career goals. Career planning, organized employment campaign, job application methods, interview, initial conduct on job. Prominent businessmen frequently address class.

**W413 Administrative Policy (3 cr.) (Fall, Spring)**

Administration of business organizations; policy formulation, organization, methods, and executive control.

## CHEMISTRY

To enter the curriculum in chemistry, a student should have completed a minimum of two years of high school algebra, one-half year of trigonometry, one year each of physics and chemistry, and three to four years of a modern foreign language. C105-C106 are basic courses that provide foundation for advanced work in scientific fields.

## C100 Chemistry (5 cr.) (Fall, Spring)

High school chemistry or physics recommended. Fundamental principles, including organic chemistry and biochemistry, with illustrations of scientific reasoning and applications. For students in programs requiring only one semester of chemistry. Lectures, laboratory.

## C101 Elementary Chemistry I (5 cr.; 3 cr. without lab.) (Fall)

Essential principles of chemistry. When followed by C102, satisfies programs that require only two semesters of chemistry. Admission to advanced courses on basis of C101-C102 granted only in exceptional cases. Lectures, laboratory. C102 not offered at South Bend.

## C105 Principles of Chemistry (5 cr.) (Fall, Spring)

P: two years of high school algebra or equivalent; placement examination or 13 hours of college credit. Basic principles, including stoichiometry, equilibrium, atomic and molecular structure. Lectures, recitation, laboratory. Credit not given for both C101 and C105.

## C106 Quantitative Chemistry (5 cr.) (Fall, Spring)

P: C105 or exemption by examination. Solution equilibria, structures and properties of inorganic compounds. Lectures, recitation, laboratory. Laboratory based on elementary quantitative analysis.

## C310 Analytic Chemistry (5 cr.) (Spring)

P: C361. Fundamental analytical processes, including solution equilibria, electrochemical theory and applications, and chemical methods of separation and measurement.

## C341 Organic Chemistry I Lectures (3 cr.) (Fall)

P: C106; C343 concurrently or consent of chemistry Undergraduate Adviser. Chemistry of carbon compounds. Nomenclature; qualitative theory of valence; structure and reactions. Syntheses and reactions of major classes of monofunctional compounds.

## C342 Organic Chemistry II Lectures (3 cr.) (Spring)

P: C343; C344 concurrently or consent of instructor. Syntheses and reactions of polyfunctional compounds, natural and industrial products; physical and chemical methods of identification.

## C343 Organic Chemistry I Laboratory (2 cr.) (Fall)

P: C341 concurrent. Laboratory instruction in fundamental techniques of organic chemistry and use of general synthetic methods.

## C344 Organic Chemistry II Laboratory (2 cr.) (Spring)

P: C343; C342 concurrent. Preparation, isolation, and identification of organic compounds with an emphasis on modern research methods.

## C361 Physical Chemistry I (3 cr.) (Fall)

P: C106, and Math. M212; P or concurrent: Physics P202 or P222. Chemical thermodynamics and kinetics. Theory of physicochemical equilibria and rate processes.

## C362 Physical Chemistry II (3 cr.) (Spring)

P: C361. Atomic and molecular structure. Solid and liquid states. Photochemistry and radiation chemistry.

## C363 Experimental Physical Chemistry (2-4 cr.) (Fall)

P or concurrent: C361. Experimental work to illustrate principles of physical chemistry and to introduce research techniques.

## C409 Chemical Research (1-5 cr. each sem.) (Arranged)

P: senior standing (open also to Honors juniors), average of at least 3.0 in all chemistry courses. Can be elected only after consultation with research adviser and approval of program. May be taken for total of 10 credits.

## C483 Biological Chemistry (3 cr.) (Fall, 1968-69)

P: 18 hours of chemistry, including C341. Introduction to structure, chemical properties, and interrelationships of biological substances.

## C484 Biological Chemistry Laboratory (2 cr.) (Fall)

P or concurrent: C483. Analysis and characterization of biological materials.

## ECONOMICS

## E111-E112 Economic Development of Western Civilization I-II (3-3 cr.) (E111, Fall; E112, Spring)

Origins and evolution of modern economic institutions and problems: emergence of market mechanism, origins and spread of Industrial Revolution, major national and world economic issues.

## E201-E202 Principles of Economics I-II (3-3 cr.) (Fall, Spring)

P: sophomore standing; freshmen may enroll when so advised by Junior Division counselor. Introduction to economic principles and problems: economic organization, production, consumption, distribution of wealth and income, money and banking, value and the pricing process, business cycles, risk and insurance, labor problems, industrial monopolies, international economic relations.

## E310 Modern European Economic History (3 cr.) (Fall)

P: E111-E112 or junior standing. Background of Industrial Revolution prior to 1700; major economic trends and institutions of 18th and 19th centuries; economic background, wartime organization, postwar reconstruction, and maladjustments of World Wars I and II.

## E320 Intermediate Economic Analysis (3 cr.) (Fall)

P: E201-E202. For students with considerable background in business or economics. General economic theory. Emphasis on price, distribution and monopoly theories, analysis, and criticism, with some discussion of current problems.

## E340 Introduction to Labor Economics (3 cr.) (Fall)

P: E201-E202. Economic problems of wage earner in modern society; structure, policies, and problems of labor organization; employer and governmental policies affecting labor relations.

## E350 Money and Banking (3 cr.) (Fall)

P: E201-E202. Monetary and banking system of the United States, including problems of money and prices, proper organization and functioning of commercial banking and Federal Reserve systems, monetary standards, and credit control. Recent monetary and banking trends.

## E360 Public Finance (3 cr.) (Spring)

P: E201-E202. Introduction to field of government finance. Public expenditures. Kinds of revenues, including public domain, fees, special assessments, and taxes. Theories and principles of taxation. Kinds of taxes. Economic effects of taxation. Public debts and budgets.

## E370 Interpretation of Business and Economic Data (3 cr.) (Fall, Spring)

Nature and uses of statistical data in business and economics. Methods of tabular, graphic, and numerical analysis of quantitative data and interpretation of findings. Two lecture-recitation hours and one two-hour laboratory period each week.

## E423 National Income and Economic Fluctuations (3 cr.) (Spring)

P: E201-E202. Causes and implications of fluctuations in levels of national income, prefaced by survey of problems of defining and measuring national income. Introduction to Keynesian and contemporary national income approaches.

## E425 Problems of European Economic Integration (3 cr.) (Spring)

P: E201-E202 or consent of instructor. Economic impact of modern integration movement in Western Europe: European common market and its implications for the United States and other nonmember countries.

## E445 Practices and Problems of Collective Bargaining (3 cr.) (Spring)

P: E340. Position of collective bargaining agreement in contemporary economy; economic, social and legal problems involved in negotiating; administration of collective bargaining agreement through grievance procedure and arbitration.

## E493 (G493) Developmental Problems of Nonindustrialized Countries (3 cr.) (Fall)

P: senior standing. Factors related to economic, political, and social change in less developed countries. Problems in measurement, control, and explanation of economic development and inter-related political and administrative changes. Internal and external pressures designed to influence patterns of development.

## EDUCATION

## Undergraduate

## E325 Social Studies in the Elementary Schools (3 cr.) (Fall, Spring)

Explores the sociological backgrounds of education and surveys subject matter, materials, and methods in the content areas.

## E328 Science in the Elementary Schools (3 cr.) (Fall, Spring)

Objectives, philosophy, selection, and organization of science materials and methods. Concept development and use of multidimensional materials in science experiments. Analysis of assessment techniques and bibliographical materials.

## E335 Language Arts in the Elementary Schools (4 cr.) (Fall, Spring)

The development of language in the young child, and the development of elementary school reading, creative language, dramatics, handwriting, and spelling.

## E343 Mathematics in the Elementary Schools (3 cr.) (Fall, Spring)

Emphasizes the developmental nature of the arithmetic process and its place as an effective tool in the experiences of the elementary school child.

- F100 Introduction to Teaching (2 cr.) (Fall, Spring)**  
The function of public education in society and of teaching as a profession. Study of the desired competencies in teaching; evaluation of one's own capacities, interests, and abilities; and planning of one's professional career.
- H440 Education and American Culture (3 cr.) (Fall, Spring)**  
The school as a social institution and its relationships to American culture. Analysis of our culture to determine its influence on the schools. (To be taken by juniors, seniors, and graduate students in lieu of Education F100.)
- M323 The Teaching of Music in the Elementary Schools (2 cr.) (Fall, Spring)**  
P: Music M174, E241. Not open to music majors. Fundamental procedures of teaching elementary school music, stressing music material suitable for the first six grades. Observations required.
- M333 Art Experiences for the Elementary Teacher (2 cr.) (Fall, Spring)**  
P: Fine Arts H100, S255. The selection, organization, guidance, and evaluation of art activities, individual and group. Laboratory experiences with materials and methods of presenting projects.
- M425 Student Teaching in the Elementary Schools (6 to 15 cr.) (Fall, Spring)**  
Classroom teaching and other activities associated with the work of the full-time elementary classroom teacher. Does not give residence credit.
- M447 Methods of Teaching High School English (3 cr.) (Fall)**  
P: English G203, completed with a grade of C or above.
- \*M480 Student Teaching in the Secondary School (6 to 8 cr.) (Spring)**  
P: Educ. F100, P280, one methods course (numbered between Educ. M440 and M478), and senior standing. Each student assumes, under the direction of the supervising teacher, responsibility for teaching in his subject-matter area in a public school in the state. Additional fee: \$50.
- P280 Human Development and Learning (5 cr.) (Fall, Spring)**  
P: Educ. F100 and either Anthro. A104, Psych. P101, or Sociol. S161. Development of skills in applying psychological approaches to the study of individuals, groups, and learning phenomena in the school setting. To be taken preceding or as close as possible to the methods course.
- S485 Principles of Secondary Education (3 cr.) (Spring)**  
The background and objectives of our secondary schools. Contributions made by the curriculum and extracurriculum to these objectives. Contributions of the teacher to the guidance program.

### Graduate

- A500 School Administration (3 cr.) (Fall)**  
Organization and structure of the school system; legal basis of school administration; agencies of administration and control; and standards for administration in the various functional areas.
- E535 Elementary School Curriculum (3 cr.) (Fall, Spring)**  
Social, economic, and educational forces influencing changes in the curriculum of the elementary school; observation and study of the curriculum and methods of evaluating it.
- E543 Advanced Study in the Teaching of Mathematics in the Elementary Schools (3 cr.) (Spring)**  
Designed to help the experienced teacher improve the teaching of mathematics. Opportunities will be provided for individual and group study of content, methodology, and instructional materials for modern mathematics programs.
- E547 Advanced Study in the Teaching of Social Studies in the Elementary Schools (3 cr.) (Spring)**  
P: Educ. E325 or consent of instructor. For experienced teachers. Goals and functions of social studies, and underlying principles that influence the teaching of social studies; content, resources, and methodology that facilitate the implementation of these.
- E548 Advanced Study in the Teaching of Science in the Elementary Schools (3 cr.) (Fall)**  
Helps experienced teachers gain proficiency in the teaching of science in the elementary school. Characteristics of good elementary school science programs.
- G541 Introduction to Counseling and Guidance (3 cr.) (Fall, Spring)**  
Guidance practices in schools; occupational information tests, records, group and individual counseling, and placement; types of guidance organization.
- G543 Occupational Information (3 cr.) (Spring)**  
Uses of information in counseling and guidance; general methods of presenting such information; sources of occupational, educational, and social information.
- G548 Group Guidance (3 cr.) (Fall)**  
P: Educ. G541. Group processes applicable for guidance services, foundations in theory, applications to the educative process, and guidance.

\* Counts as residence credit only when the methods course has been taken first and Educ. M480 is taken the following semester on a half-semester basis with other courses, including Educ. S485.

- H504 Historical Foundations of American Education (3 cr.) (Spring)**  
Historical changes in the instructional process and ideas underlying it. Developments in the last century in the United States.
- H520 Education and Social Issues (3 cr.) (Spring)**  
Education as a social function; the role of the school with respect to problems of change and conflict in American culture; basic social issues in American society.
- H530 Introductory Philosophy of Education (3 cr.) (Fall)**  
The basic ways in which philosophical resources can be brought to bear critically upon educational problems and practices.
- H540 Educational Sociology (3 cr.) (Fall)**  
The school as a social institution. Ways in which the school is shaped by the social structure, processes, and organization of the local community.
- P501 Statistical Method Applied to Education (3 cr.) (Fall)**  
For teachers and administrators. Problems in statistical analysis, taken from education and psychology, including computation and interpretation of averages, variance, coefficients of correlation; introduction to hypothesis testing.
- P503 Introduction to Research (3 cr.) (Fall, Spring)**  
Methods and procedures in educational research.
- P507 Educational Measurement (3 cr.) (Fall, Spring)**  
History and theory of measurement, interpretation and measurement data, tests for administrative and supervisory purposes and for teaching aids, prognostic testing, and testing in relation to pupil diagnosis and adjustment.
- P510 Psychology in Teaching (3 cr.) (Fall, Spring)**  
Basic study of psychological concepts and phenomena in teaching. An analysis of representative problems and of the teacher's assumptions about human behavior and its development.
- P515 Behavior and Development of the Elementary School Child (3 cr.) (Fall, Spring)**  
A survey and analysis of selected sources of information about the behavior and development of the elementary school child, and the implications this information has for teaching the elementary school child.
- R523 Utilization of Audio-Visual Materials (3 cr.) (Fall)**  
Selection and utilization of major types of audio-visual materials; use of projection and audio equipment; and preparation and use of bulletin and flannel boards.
- R543 Preparation of Inexpensive Instructional Materials (2 cr.) (Spring)**  
Laboratory practice in applying lettering, coloring, and mounting in the preparation of pictures, maps, charts, posters, and graphs for projected and nonprojected use.
- S503 High School Curriculum (3 cr.) (Fall, Spring)**  
Primarily for teachers. Factors influencing curriculum development, organization, and content of the curriculum in several subject fields and in core.
- S505 The Junior High School (3 cr.) (Spring)**  
Role of the junior high school in American education. Total program: philosophy, functions, curriculum, guidance, activities, personnel, and administration. Not open to students who have taken Educ. S486.

### ENGLISH

#### Undergraduate

- W131 Elementary Composition I (2 cr.) (Fall, Spring)**  
Progresses from practice of simple description, narration, and exposition to practice of persuasion and documentation in support of a thesis.
- W132 Elementary Composition II (2 cr.) (Fall, Spring)**  
Progresses from practice of simple description, narration, and exposition to practice of persuasion and documentation in support of a thesis.
- W350 Advanced Expository Writing (3 cr.) (Fall)**  
Close examination of assumptions, choices, and techniques which go into a student's own writing and the writing of others.
- \*L101-L102 Freshman Literature I-II (3-3 cr.) (Fall, Spring)**  
Literary masterpieces from Homer to the present. Aims to teach thoughtful, intensive reading, to introduce students to aesthetic values in literature, to make students aware of the enjoyment of reading.

\* These courses are recommended for students majoring in English but cannot be counted toward satisfaction of concentration group requirements; credits earned do count, however, toward the maximum of 45 hours in English.



- L202 Literary Interpretation (3 cr.) (Fall, Spring)**  
Close analysis of representative texts (poetry, drama, fiction) designed to develop art of lively, responsible reading through class discussion and writing of papers. Attention to literary design and critical method. Recommended for students majoring in English or other literatures.
- L203 Introduction to Drama (3 cr.) (Spring)**  
Representative group of significant plays to acquaint students with characteristics of drama as a type of literature.
- L204 Introduction to the Novel and Short Story (3 cr.) (Fall, Spring)**  
Representative works of fiction; stresses structural techniques in the novel, theories and kinds of fiction, and thematic scope of the novel.
- L205 Introduction to Poetry (3 cr.) (Fall, Spring)**  
Kinds, conventions, and elements of poetry in a selection of poems from several historical periods.
- L219 Introduction to Chaucer (3 cr.) (Fall, Spring)**  
Chaucer's poetry, including selected short poems and best of *Canterbury Tales*.
- L301 Critical and Historical Study of English Literature to 1700 (3 cr.) (Fall)**  
Representative selections, with emphasis on major writers.
- L302 Critical and Historical Study of English Literature since 1700 (3 cr.) (Spring)**  
Representative selections, with emphasis on major writers.
- L308 Elizabethan Drama and Its Background (3 cr.) (Spring)**  
English drama from Middle Ages to 1642, including principal Elizabethan and Caroline dramatists and their best plays.
- L317 English Poetry of the Early 17th Century (3 cr.) (Spring)**  
Chief poets in England, 1600-1660.
- L318 Milton (3 cr.) (Fall)**  
Poetry and prose of John Milton, with special attention to *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*.
- L325 The Age of Pope and Swift (3 cr.) (Spring)**  
The poetry and prose of the first half of the 18th century, with emphasis on Pope and Swift.
- L347 English Novel to 1800 (3 cr.) (Fall)**  
Twelve novels by representative writers, including Defoe, Richardson, Fielding, Smollett, and Sterne.
- L348 English Novel, 1800-1900 (3 cr.) (Spring)**  
Twelve novels by representative writers, including Scott, Dickens, Thackeray, Trollope, Hardy, Meredith, and Conrad.
- L351 Critical and Historical Study of American Literature I (3 cr.) (Fall)**  
American writers to 1865: Emerson, Hawthorne, Melville, Whitman, and two or three additional major writers.
- L352 Critical and Historical Study of American Literature II (3 cr.) (Spring)**  
American writers, 1865-1914: Mark Twain, Dickinson, James, and two or three additional major writers.
- L386 Ballads and Folksongs (3 cr.) (Fall, Spring)**  
Folklore F201 recommended. Ballads and folksongs of Western world: their origin, spread, relationship to literature, and function within own culture. Special attention to evolution of folksongs in North America.
- L390 Children's Literature (3 cr.) (Fall, Spring)**  
Historical and modern children's books and selections from books; designed to assist future teachers, parents, librarians, or others in selecting the best in children's literature for each period of the child's life.
- L440 Senior Seminar in English and American Literature (3 cr.) (Fall, Spring)**  
Thorough study of one or more major British and American writers or of one significant theme or form in English and American literature. May be repeated once for credit.
- G203 English Grammar for Teachers (3 cr.) (Fall, Spring)**  
Study of words and their functions in accepted American usage. Required of students preparing to teach English in secondary schools.
- G301 History of the English Language (3 cr.) (Spring)**  
Historical and structural analysis of English language in stages of its development. Political and social events affecting development of language, interrelationship of language and literature, evolution of modern phonology and syntax.
- G302 Structure of Modern English (3 cr.) (Fall)**  
P: G301 or Linguistics L103. Linguistic analysis of present-day spoken and written English, with attention to its phonemic, morphemic, and syntactical systems and its system of expressive features.
- G403 English Language Studies for Teachers (2 cr.) (Fall)**  
P: G203. Acquaints prospective teachers of English with contemporary studies and their applications.

## Graduate Courses

- L641 English Literature, 1790-1900 (4 cr.) (Fall)**  
Extensive reading in poetry and nonfictional prose.
- L645 English Fiction, 1800-1900 (4 cr.) (Spring)**

## FINE ARTS

- H100 Art Appreciation (3 cr.) (Fall, Spring)**  
Objectives: to acquaint students with outstanding works of art and to provide an approach to appreciation through knowledge of purposes, techniques, form, and content.
- H223-H224 Introduction to History of Art I-II (3-3 cr.) (H223, Fall; H224, Spring)**  
Prerequisite to all 300-400 history of art courses. History of art in relation to general historical and social developments from prehistoric to recent times. Emphasis on great periods and styles.
- S101 Introduction to Design (2 cr.) (Fall)**  
Experimental, exploratory courses in two- and three-way dimensional design to broaden student's visual vocabulary and give him new insights into structure of nature and visual effects. Development and coordination of perceptual and manual skills.
- S102 Color and Calligraphy (2 cr.) (Spring)**  
P: S101. Color phenomena and their exploration, both two and three dimensionally. History and development of lettering and its use in graphic design. Exercises in lettering.
- S135 Introduction to Drawing (3 cr.) (Fall, Spring)**  
Development of basic visual awareness; seeing, representing, and, to a lesser extent, inventing on a two-dimensional surface. Problems in handling placement, scale, space, volume, light, and formal articulation. Little emphasis on individual expression or experimentation.
- S136 Pictorial Composition (2 cr.) (Spring)**  
P: S135. Continues exploration of basic modes of visual presentation in drawing and introduces color as structuring element of painting. Media: drawing and watercolor.
- S235 Freehand Drawing I (3 cr.) (Spring)**  
P: S135. Continuation of S135, with more advanced problems and exposure to style-form conceptions.
- S255 Crafts and Design I (2 cr.) (Fall, Spring)**  
Creative design developed through drawing, collage, and color problems. Fabrics, masks, puppets, sculpture. For elementary education majors.
- S333-S334 Oil Painting I-II (3-3 cr.) (Fall, Spring)**  
P: S101, S135, S136, S235. Fundamental painting problems of spatial articulations, pictorial organization, and interaction of color, using still life and other subjects.
- S335 Freehand Drawing II (3 cr.) (Spring)**  
P: S235.
- S347 Graphic Arts I (2 cr.) (Fall)**  
P: S135. Etchings and engravings on zinc, copper, etc.; metal plates; drawings on lithographic stone; woodcuts, wood engravings; color and black-and-white printing techniques.

## FOLKLORE

- Folklore F201 Introduction to Folklore (3 cr.) (Fall, Spring)**  
A view of the main forms and varieties of folklore and folk expression in tales, ballads, myths, legends, beliefs, games, proverbs, riddles, and traditional arts. The role of folklore in the life of man.
- Folklore F384 American Folklore (3 cr.) (Fall, Spring)**  
The folk traditions existing in the United States: among occupational groups such as lumberjacks and cowboys, regional groups such as the Pennsylvania Germans and Utah Mormons, and ethnic groups such as the Negro and the immigrant.
- Folklore F386 Theory and Techniques in the Study of Folk and Traditional Music (3 cr.) (Fall)**  
Survey of theories and methods applied in transcription, analysis, and classification. Application to selected recordings.
- Folklore F484 Folklore and Culture of the American Negro (3 cr.) (Spring)**  
The culture of the Negro in the United States is viewed in terms of history (antebellum to present) and social change (rural to urban). Oral traditions and life histories are used to explore aspects of Negro culture and history.

## FRENCH

- F101-F102 Elementary French I-II (5-5 cr.) (F101, Fall; F102, Fall, Spring)  
 F201-F202 Second-Year Composition and Oral Practice I-II (2-2 cr.) (F201, Fall; F202, Spring)  
 F210 Second-Year Composition, Oral Practice, and Reading (5 cr.) (Fall)  
 Combines work of F201 and F211 into single unified course.  
 F211-F212 Modern French Prose I-II (3-3 cr.) (F211, Fall; F212, Spring)  
 F305 Masterpieces of French Literature I (3 cr.) (Fall)  
 Drama and literature of ideas. Dramatists such as Corneille, Racine, Moliere, Beaumarchais, and Sartre; essayists and *philosophes* such as Descartes, Pascal, Voltaire, Diderot, and Camus.  
 F306 Masterpieces of French Literature II (3 cr.) (Spring)  
 Novels and poetry. Novelists such as Balzac, Flaubert, and Proust; readings in anthologies stressing 16th-, 19th-, and 20th-century poetry.

## GEOGRAPHY

- G107 Introduction to Physical Geography (5 cr.; 3 cr. without lab.) (Fall, Spring)  
 Physical characteristics of earth's surface and their interrelations. Landforms, vegetation, soils, weather, climate.  
 G210 Introduction to Human Geography (3 cr.) (Spring)  
 A study of geographic patterns and interrelationships as illustrated by the analysis of selected major world regions.  
 G315 Conservation of Natural Resources (3 cr.) (Fall)  
 P: 3 hours of geography or junior standing. Current problems in wise use of soils and land, waters, minerals, forests, and wildlife. Introduction to land use planning.

## GERMANIC LANGUAGES

- G101-G102 Elementary German I-II (5-5 cr.) (G101, Fall; G102, Fall, Spring)  
 G210 Second-Year Composition, Conversation, and Reading I (5 cr.) (Fall, Spring)  
 G222 Second-Year Composition II (3 cr.) (Spring)  
 G305 Masterpieces of German Literature: Classical and Romantic Periods (3 cr.) (Fall)  
 G306 Masterpieces of German Literature: Modern Period (3 cr.) (Spring)  
 G307 Masterpieces of German Literature since 1750 (3 cr.) (Summer Session only)  
 Representative works from classical and modern periods. Does not duplicate G305-G306.  
 G313-G314 Writing German I-II (2-2 cr.) (G313, Fall; G314, Spring)  
 G315 German Conversation and Diction I (3 cr.) (Fall)  
 Intensive course meeting four times a week devoted entirely to oral practice. For teachers and others who wish to acquire fluency in spoken German.  
 G399 Reading for Honors (12 cr. max.) (Spring)  
 P: approval of departmental Honors committee.  
 G404 Survey of German Literature from 1750 to the Present (3 cr.) (Fall)  
 G405 Goethe: Life and Works, Excluding *Faust* (3 cr.) (Spring)

## GOVERNMENT

- G103 Introduction to American Government I (3 cr.) (Fall, Spring)  
 Brief introduction to nature of government and its forms and to modern theories of its function. Origin and nature of the American federal system and its present political party base.  
 G104 Introduction to American Government II (3 cr.) (Fall, Spring)  
 P: G103. Democratic theory and totalitarian theory; formulation and application of American foreign policy.  
 G211 Introduction to Political Philosophy (3 cr.) (Fall)  
 P: G103-G104, 3 hours of philosophy, or junior standing. Perennial problems of political philosophy, including relationships between rulers and ruled, nature of authority, social conflict, character of political knowledge, and objectives of political action.  
 G212 Introduction to Comparative Politics (3 cr.) (Spring)  
 P: G103-G104. Similarities and differences between political units; elements of stability and change in political systems. Emphasis on methods of comparative analysis.

- G213 Introduction to World Politics I (3 cr.) (Spring)  
 Causes of war, nature and attributes of the state, imperialism, international law, national sovereignty, arbitration, adjudication, international organization, major international issues.  
 G252 Honors Seminar in Comparative Politics (3 cr.) (Fall)  
 G253 Sophomore Honors Seminar in World Politics (Africa in World Politics) (3 cr.) (Spring)  
 Open to freshmen and sophomores upon faculty nomination. Emphasis on preparation of brief papers and critical discussion.  
 G305 Public Administration I (3 cr.) (Fall)  
 Internal operating characteristics of public administration in Western democratic setting. Analysis of problems through case studies in fields such as law enforcement, education, resource developments, public welfare.  
 G310 Theory of Political Behavior (3 cr.) (Fall)  
 Interrelations of attitudes, personality, socio-economic status, and political behavior. Contribution of study of individual political behavior to understanding large-scale political phenomena such as extremist movements, nationalism, and stability of political systems.  
 G381 African Political Systems (3 cr.) (Spring)  
 P: G103-G104, consent of instructor. Tribal political systems, European colonial policies, nationalist movements, multiracial conflict and accommodation, politics of independent states, economic development in Africa south of the Sahara. Secondary emphasis on United Nations control and role of Africa in world politics.

## HEALTH, PHYSICAL EDUCATION, AND RECREATION

- H617 Seminar in Health (cr. arr.) (Fall)  
 Problems in the field of Health and Safety Education.  
 R180 Recreation Leadership (2 cr.) (Fall, Spring)  
 History, theory, and philosophy of recreation. Significance of recreation in age of leisure and evolution of recreation movement. Practical leadership techniques for low organized recreation activities, especially helpful in elementary education.

## HISTORY

- H103-H104 History of Western European Civilization I-II (3-3 cr.) (Fall, Spring)  
 Rise and fall of ancient civilizations; barbarian invasions; rise, flowering, and disruption of medieval Church; feudalism; national monarchies; rise of middle class; parliamentary institutions, liberalism, political democracy; industrial revolution, capitalism and socialist movements; nationalism, imperialism, international rivalries, wars.  
 H105-H106 American History: General Course I-II (3-3 cr.) (Fall, Spring)  
 I. Colonial period, Revolution, Confederation and Constitution, National period to 1865. II. 1865 to present. Political history forms framework, with economic, social, cultural, and intellectual history interwoven. Introduction to historical literature, source material, and criticism.  
 H201-H202 History of Russian I-II (3-3 cr.) (H201, Fall; H202, Spring)  
 Russian society from Kievan state to Khrushchev era. Emphasis on social, institutional, and cultural developments, as well as growth of political power and the state. I. Russia to 1861. II. Russia from 1861 to present. Not open to students who have completed D403, D404, D409, D410, or D411.  
 H205 Ancient Civilization (3 cr.) (Fall, 1969-70)  
 Political, cultural, and economic development of ancient Near East, Greece, and Rome from Bronze Age to end of Classical period.  
 H206 Medieval Civilization (3 cr.) (Spring, 1969-70)  
 European institutions, social and intellectual history from late Roman Empire to Renaissance. Greco-Roman legacy, Christian institutions, Byzantine and Islamic influences, town revival and trade, rise of universities, emergence of national states and literatures.  
 H209-H210 English History: General Course I-II (3-3 cr.) (H209, Fall; H210, Spring)  
 I. England to 1688. Political and constitutional developments, particularly in relation to Henrician Reformation and Puritanism. II. England from 1688 to present. Political and economic movements such as Liberalism and Socialism arising out of industrialization of Britain.  
 H215 Proseminar in History for Sophomores (3 cr.) (Fall, Spring)  
 For freshmen and sophomores. Selected topics of history. May be taken three times.  
 A301-A302 American Colonial History I-II (3-3 cr.) (1969-70)  
 European background of American history; discovery and exploration of New World by Spain, France, and England. Colonization: motives, causes, types. Social and intellectual developments in English colonies in 17th and 18th centuries. Birth of Republic, 1763-89.

A303-A304 United States from 1789 to 1865 I-II (3-3 cr.) (A303, Spring, 1969; A304, Fall, 1969-70)

P: H105 or consent of instructor. Political, economic, and social development of United States from Washington's presidency through Civil War. Growth of political institutions. Contributions of Hamilton, Jefferson, Jackson, Webster, Marshall, Lincoln. Agriculture, manufacturing, commerce, labor. Religious, educational, and other social institutions.

A305 United States, 1865-1900 (3 cr.) (1969-70)

Political, social, economic, and intellectual history of United States from end of Civil War to Progressive Era.

A313 United States from 1890's to Depression of the 1930's (3 cr.) (Spring, 1969-70)

America's emergence to position of economic maturity, urban society, and world responsibility. Progressivism, World War I, the Twenties, Great Depression, with interpretive readings in politics, diplomacy, economics, society, thought, and literature of period.

A314-A315 Contemporary United States I-II (3-3 cr.) (A314, Fall; A315, Spring)

United States from Great Depression of 1930's to present. Depression, New Deal, Second World War, Cold War, problems of contemporary America.

A321-A322 History of Ideas in America I-II (3-3 cr.) (A321, Fall; A322, Spring)

P: H105-H106 or consent of instructor. Ideas that have influenced American history. I. Image of New World to challenge of Jacksonian democracy. II. Transcendentalism to New Conservatism. Term papers and reports.

A346 American Diplomatic History (3 cr.) (Fall, 1969-70)

American diplomacy from 1775 to 1823; diplomacy of American continental expansion to 1898. America as a world power. Involvement in Far Eastern affairs after 1898, diplomacy of World Wars I and II, developments to present.

B354 The Reformation (3 cr.) (Fall, 1969)

Economic, political, social, and religious background of Protestant Reformation; Lutheran, Reformed, Anglican, and Anabaptist movements, with reference to their political and theological trends; Catholic Reformation.

B355 Absolutism and the Age of Reason, 1648-1763 (3 cr.) (Spring 1970)

Absolutism in age of Louis XIV; Enlightenment and its diffusion; autocracy, aristocracy, and revolution in 18th-century Europe; Old Regime in France.

B359-B360 Europe from Napoleon to the First World War I-II (3-3 cr.) (B359, Fall; B360, Spring)

Vienna settlement and period of reaction in Europe; liberalism and nationalism; revolutions; industrial revolution, capitalism; socialist movements; unification of Italy and Germany; clericalism and anticlericalism; struggles for political democracy; social legislation; imperialism, nationalist rivalries, and background of World War I.

B361-B362 Europe in the 20th Century I-II (3-3 cr.) (1969-70)

Diplomatic, economic, intellectual, military, political, and social developments within Europe from World War I to present; changing relationships between Europe and other parts of the world.

D409 Russia in the 19th Century (3 cr.) (Fall, 1969-70)

Political, religious, intellectual, economic, and diplomatic development of Russia as a European and Asian state from reign of Alexander I to World War I. Emphasis on cultural history and conflict between established and revolutionary views.

D410 Russian Revolutions and the Soviet Regime (3 cr.) (Spring, 1969-70)

Russia on eve of World War I; revolutions which have swept Russia; principal developments in government, economy, cultural and social life, and international policy under Communist regime; expansion of Russian and Communist power, particularly since 1945.

E431-E432 History of Africa I-II (3-3 cr.) (1969-70)

I. Origins and groupings of peoples of Africa; political, social, and economic evolution to 1750; Africa's contacts with ancient world, trans-Sahara and Indian Ocean trades, growth of states and empires, spread of Islam. II. 1750 to present. Slave trade, European imperialism, impact of Islam and Christianity, new state formation, reassertion of African culture and identity.

E435 American Relations with Africa (3 cr.) (Fall)

Contacts of United States with sub-Saharan Africa. Slave trade, American Negro and his African heritage, influence of Americans on African continent.

F441-F442 History of Latin America I-II (3-3 cr.) (1969-70)

I. Geographical, Indian, Spanish, Portuguese, and African foundations; discovery and conquest; settlement and expansion; colonial, political, economic, social, cultural, and religious institutions; wars of independence. II. Hispanic America since independence, with emphasis on common problems.

G451-G452 The Far East I-II (3-3 cr.) (G451, Fall; G452, Spring) (1968-69)

Social, cultural, political, and economic developments from ancient to modern times, including China, Japan, Korea, Indo-China, Burma, Thailand, Indonesia, and the Philippines.

J495 Proseminar for History Majors (3 cr.) (Fall)

For history majors (or others with approval of department chairman). Selected topics of history. May be taken three times.

K493 Reading for Honors (12 cr. max.) (Fall, Spring)

P: approval of departmental Honors committee.

K499 Senior Honors Thesis (3-6 cr.) (Fall, Spring)

Senior-level course for Honors students only. Training in research and writing, culminating in Honors thesis to be written under direction of faculty member. Oral examination over thesis conducted by three faculty members.

## HOME ECONOMICS

H206 Nutrition (2 cr.) (Fall, Spring)

Food needs of normal individuals of different ages; selection of food to meet family needs; nutritional status of people in the United States.

## JOURNALISM

C200 Introduction to Mass Communications (3 cr.) (Fall, Spring)

Introduction to mass communications—newspapers, radio, television, magazines, books, films. Designed for students who intend to enter one of these fields but open also to others. Offered cooperatively by Departments of Journalism and Radio-Television.

## GRADUATE LIBRARY SCHOOL

\*L533 Library Materials for Children and Adolescents (3 cr.) (Fall, Spring)

Evaluation and use of books, magazines, phonorecords, films, radio and television broadcasts, and other sources of information and recreation.

## LINGUISTICS

L103 Introduction to the Study of Language (3 cr.) (Fall, Spring)

Linguistics as a body of information; nature and functions of language; relevance of linguistics to other disciplines, with reference to modern American English and principal European languages.

## MATHEMATICS

M115 Preview of Algebra and Trigonometry (5 cr.) (Fall, Spring)

P: one year of high school algebra. Introduction to mathematical reasoning, algebra, and trigonometry. Not open to those who have had M117. Beginning Fall, 1968, credit may not be applied toward a degree in the College of Arts and Sciences.

M117 Partial Review of Algebra and Geometry (3 cr.) (Fall, Spring)

P: one and one-half years of high school algebra. Introduction to mathematical reasoning, algebra, and trigonometry. Not open to those who have had M115. Beginning Fall, 1968, credit may not be applied toward a degree in the College of Arts and Sciences.

M118 Finite Mathematics (3 cr.) (Fall)

P: two years of high school algebra and trigonometry or M115 or M117. Set theory, linear systems, matrices and determinants, probability, linear programming. Applications to problems from the social sciences.

M119 Brief Survey of Calculus (3 cr.) (Spring)

P: two years of high school algebra and trigonometry or M115 or M117. Introduction to calculus. Primarily for students in the social sciences. Not open to those who have had M211 or M215.

M215-M216 Analytic Geometry and Calculus I-II (5-5 cr.) (Fall, Spring)

P: two years of high school algebra and trigonometry or M115 or M117. Coordinates, functions, straight line, limits, continuity, derivative and definite integral applications, circles, conics, techniques of integration, infinite series. M215 not open to those who have had M119 or M211.

M311 Calculus III (3 cr.) (Fall)

P: M216. Elementary geometry of 2, 3, and n-space, functions of several variables, partial differentiation, minimum and maximum problems, multiple integration.

M313 Elementary Differential Equations with Applications (3 cr.) (Fall, Spring)

P: M216. Ordinary differential equations of first order and linear equations of higher order with applications, series solutions, operational methods, Laplace transforms, and numerical techniques.

M315 Advanced Calculus for Applications (3 cr.) (Spring)

P: M311. Properties of real numbers, sequences and series of functions, vector analysis, line and surface integrals, integral theorems.

\* Courses open to juniors and seniors in the College of Arts and Sciences and the School of Education.

**T104 General Mathematics for Elementary Teachers (5 cr.) (Fall, Spring)**

P: One year each of high school algebra and geometry. Basic ideas of mathematics, emphasizing arithmetic, for prospective elementary teachers. Sets, relations, logic, rational and real numbers, greatest common divisor, least common multiple, prime factorization, divisibility, nature of measurement.

**T106 Geometry for Elementary Teachers (3 cr.) (Fall, Spring)**

P: T104. Fundamental ideas of geometry for prospective elementary teachers. Nonmetric geometry, measurement, parallelograms and triangles, constructions and congruent triangles, similar triangles and variations, volumes and surface areas, circles and spheres.

**MECHANICAL DRAWING****EG116 Graphics I (2 cr.) (Purdue University course) (Fall)**

Basic graphical methods—instrument and freehand—useful in engineering layout and design for analysis in communication. Multiview representing with some sketching and basic dimensioning practices. Auxiliary views with sectioning and some conventional representations.

**EG117 Graphics II (2 cr.) (Purdue University course) (Spring)**

P: EG116, or equivalent. Basic pictorial methods—instrument and freehand—useful in engineering layout and design for analysis and communication. Graphical techniques: vectors, calculus—differentiation, and integration. Multiview resolution of intersections of plane and curved surfaces.

**MUSIC****Undergraduate****E241 Introduction to Music Fundamentals (2 cr.) (Fall, Spring)**

Designed to aid elementary teachers in the School of Education in learning to sing and to read music.

**M174 Appreciation of Music I (3 cr.) (Fall, Spring)**

How to listen to music; art of music and its materials; creator and creation of music; instruments and the musical forms. Examples by use of records, films, and live music.

**M201-M202 Literature of Music I-II (3-3 cr.) (M201, Fall; M202, Spring)**

From classical antiquity to the present. Designed to develop a perspective of the evolution of music in its social-cultural milieu, a repertoire of representative compositions, and a technique for listening analytically and critically. Nonmusic majors may enroll with consent of instructor.

**T109 Rudiments of Music (4 cr.) (Spring)**

For students who fail to qualify for T113 and T115. Listening techniques and basic principles of music.

**\*T113-T114 Materials of Communication in Music I-II (3-3 cr.) (T113, Fall; T114, Spring)**

I. Open to all University students. Elements which make music aurally and visually comprehensible and their application. II. Continuation of T113.

**T115-T116 Applied Keyboard and Music-Reading Skills I-II (1-1 cr.) (T115, Fall; T116, Spring)**

To be taken by music majors concurrently with T113-T114. Intensive training in keyboard facility and sight singing. Application of material introduced in T113-T114.

**T213-T214 Materials and Organization of Music III-IV (3-3 cr.) (1968-69)**

III. Continuation of T113-T114. IV. Further emphasis on development of aural and visual perception of 18th-, 19th-, and 20th-century style through analysis and written work.

**T215-T216 Applied Keyboard and Music-Reading Skills III-IV (1-1 cr.) (1968-69)**

To be taken concurrently with T213-T214. Intensive training in keyboard facility and sight singing. Application of material introduced in T213-T214.

**X002 Piano Accompanying (2 cr.) (Fall, Spring)**

Qualified graduate and undergraduate students may be assigned to studio accompanying for 5 hours per week in lieu of choral ensemble.

**X030 Ballet Ensemble (2 cr.) (Fall, Spring)**

Ensemble for ballet rehearsals for opera productions. Required of ballet majors; elective for students outside the School of Music.

**X050 The University Orchestra (2 cr.) (Fall, Spring)**

Membership on credit or noncredit basis. P: previous private study or ensemble experience.

**X060 The University Wind Ensemble (2 cr.) (Fall, Spring)**

Membership on credit or noncredit basis. P: previous private study or ensemble experience.

\* Enrollment with permission of the Director of Music.

**X070 University Choral Ensembles (2 cr.) (Fall, Spring)**

*The University Chorale:* Performances of major choral works each semester, most with orchestra. Varied additional repertoire includes shorter works, folk songs, and lighter materials. P: audition.

*The Renaissance Singers:* Performances of chamber choral works and other difficult literature, many with orchestra: madrigals, baroque, and contemporary works featured. Limited outside engagements. P: experience and audition.

*Collegium Musicum:* Small ensemble of singers and instrumentalists in cooperation with South Bend Recorder Society. Emphasis on performance of music before 1700. P: experience and audition.

**Graduate****E525 Supervision of Music in the Public Schools (3 cr.) (Fall)**

Functions and techniques of music supervision; problems of music consultants; in-service training for classroom teachers; administration of school music programs.

**E533 Research in Music Education (cr. arr.)**

P: E532 or consent of instructor.

**APPLIED MUSIC COURSES**

Any student who wishes to do so may enroll any semester for private lessons in music in any of the vocal or instrumental areas listed below. Normally, enrollment is for two credits per semester. The student takes one private lesson (one hour in length) per week and is expected to practice responsibly.

Instrument			
B110-B410	French horn	S 110-S 410	Violin
B120-B420	Trumpet and cornet	S 120-S 420	Viola
B130-B430	Trombone	S 130-S 430	Cello
B140-B440	Baritone horn	S 140-S 440	String bass
B150-B450	Tuba	V100-V800	Voice
D100-D400	Percussion	W110-W410	Flute and piccolo
H100-H400	Harp	W120-W420	Oboe and English horn
J 100-J 400	Ballet	W130-W430	Clarinet
N100-N400	Harpsichord	W140-W440	Bassoon
P100-P800	Piano	W150-W450	Saxophone
Q100-Q400	Organ		

In applied music the letter and second digit indicate instrument (except in piano, organ, and voice) according to the class and position in orchestral score. Brass: B-1, French horn; B-2, trumpet; B-3, trombone; B-4, baritone; B-5, tuba. Percussion: D-0, timpani and all percussion instruments. Strings: S-1, violin; S-2, viola; S-3, cello; S-4, string bass. Woodwinds: W-1, flute, and piccolo; W-2, oboe and English horn; W-3, clarinet; W-4, bassoon; W-5, saxophone.

The first digit indicates the function in the student's curriculum: 1, elective; 2, secondary; 3, concentration; 4, major; 7, graduate elective; and 8, graduate concentration.

**Elective.** Work for these students will be outlined by the instructor to meet individual needs and aims. Committee evaluation will be based upon quality and content of work covered.

**Secondary Level.** Secondary study is designed to give the beginning student certain proficiencies so that he may use this application as a tool rather than as a medium for performance. Piano proficiency examination is required before graduation.

**Concentration Level.** A student concentrating in an applied music area is expected to show evidence of considerable prior study and to give a half recital. By recital time he is expected to have attained levels reached by the applied music major at end of sophomore year.

**Major Level.** A student majoring in applied music must show talent for solo performance before being admitted to the curriculum and must give a junior and a senior recital.

**Graduate Level.** For students continuing major study on the graduate level.

Those who wish to enroll in an applied music course should contact the Director of Music prior to enrollment.

## PHILOSOPHY

- P100 Introduction to Philosophy (3 cr.) (Fall, Spring)**  
Open only to students without previous credit in philosophy. Historical introduction to problems of philosophy. Classical texts from ancient Greek and from modern philosophy to include works by Plato and Descartes and at least one 20th-century work.
- P240 Ethics (3 cr.) (Fall, Spring)**  
Good and evil in important systems, past and present, including ancient Greek ethics, traditional Christian ethics, Christian and atheist existentialism, utilitarianism, ethical intuitionism, and positivist ethics.
- P250 Logic (3 cr.) (Fall, Spring)**  
P: 3 hours of philosophy or sophomore standing. Basic intellectual tools employed in processes of human knowing. Point of departure is traditional Aristotelian logic. Relevance of elementary logical forms of thought to scientific and philosophical knowledge in general.
- P301-P302 History of Western Philosophy I-II (3-3 cr.) (P301, Fall; P302, Spring)**  
P: 6 hours of philosophy (including P250) or junior standing. I. From Thales to Aquinas with emphasis on Plato and Aristotle. II. From Duns Scotus to Hegel, with emphasis on period 1600 to 1800.
- P371 Philosophy of Religion (3 cr.) (Spring)**  
P: 6 hours of philosophy or junior standing. Religious answer, or answers, to questions regarding man and his destiny, nature and reality, good and evil, etc. Attention to nature of religious knowledge, as contrasted with scientific or philosophical knowledge.

## PHYSICS

- \*P100 Physics in the Modern World (5 cr.) (Fall)**  
Ideas, language, methods, impact, and cultural aspects of physics today. Four lectures and one two-hour laboratory period each week. Includes classical physics, up to physical bases of radar, atomic-energy applications, etc. Beginning high school algebra used. Cannot be substituted for physics courses explicitly designated in specific curricula.
- P201 General Physics: Mechanics, Heat, and Sound (5 cr.) (Fall)**  
P: Mathematics M117 or high school equivalent. Two lectures, two recitations, and one double-laboratory period each week.
- P202 General Physics: Light, Electricity, and Magnetism (5 cr.) (Spring)**  
P: P201. Two lectures, two recitations, and one double laboratory period each week.
- P221 General Physics: Mechanics, Heat, and Sound (5 cr.) (Spring)**  
For physics, chemistry, and mathematics majors who have had or are currently taking Mathematics M215-M216. Two lectures, two recitations, and one two-hour laboratory period each week.
- P307 Circuit Analysis and Electrical Measurements (4 cr.) (Fall)**  
P: P202 or P222; Mathematics M216, which may be taken concurrently. Integrated lecture and laboratory course, including basic concepts of electrical measurements such as A.C., D.C., transient circuit analysis, circuit theorems, and instrumentation.
- P331 Theory of Electricity and Magnetism (3 cr.) (Spring)**  
P: P202 or P222; Mathematics M313, which may be taken concurrently. Electromagnetic fields, including electrostatics, dielectric materials, solution of Laplace's equation, currents and magnetic fields, motion of charged particles, introduction to electromagnetic waves.

## PSYCHOLOGY

- P101 Introductory Psychology I (3 cr.) (Fall, Spring)**  
Introduction to psychology; its methods, data, and theoretical interpretations in areas of learning, sensory psychology, and psychophysiology.
- P102 Introductory Psychology II (3 cr.) (Fall, Spring)**  
P: P101. Continuation of P101. Individual differences; personality; developmental, abnormal, and social psychology.
- P111 Introductory Laboratory Psychology I (2 cr.) (Fall, Spring)**  
P: P101. Experimental laboratory course supplementary to P101 to satisfy 5-hour science requirement. Experimental method and statistical treatment of data; laboratory investigation of selected topics in general psychology.
- P316 Psychology of Childhood and Adolescence (3 cr.) (Fall)**  
P: 5 hours of psychology. Development of behavior in infancy, childhood, and youth; factors, which influence behavior.

- P319 Psychology of Personality (3 cr.) (Fall)**  
P: 5 hours of psychology. Methods and results of scientific study of personality. Basic concepts of personality traits and their measurement; developmental influence; problems of integration.
- P324 Abnormal Psychology (3 cr.) (Spring)**  
P: 5 hours of psychology. A first course in abnormal psychology, with emphasis on forms of abnormal behavior, etiology, development, interpretation, and final manifestations.
- P325 Psychology of Learning II (3 cr.) (Fall, Spring)**  
P: 5 hours of psychology. Facts and principles of human and animal learning, especially as treated in theories attempting to provide framework for understanding what learning is and how it takes place.
- P326 Physiological Psychology (3 cr.) (Fall)**  
P: junior or senior standing. Central nervous system function in relation to sensory processes, motivation, and learning.
- P327 Psychology of Motivation (3 cr.) (Fall)**  
P: 5 hours of psychology. How needs, desires, and incentives influence behavior; research on motivational processes in human and animal behavior, including ways in which motives change and develop.
- P329 Sensation and Perception (3 cr.) (Spring)**  
P: 5 hours of psychology. Basic data, theories, psychophysics, illusions, and other topics fundamental to understanding sensory and perceptual processes.
- P354 Statistical Analysis in Psychology (3 cr.) (Fall)**  
P: 5 hours of psychology, Mathematics M117 or equivalent. Use of statistics in psychological work, including ordering and manipulation of data, problems of statistical significance, and elementary correlational methods.
- P425 Laboratory in Learning and Motivation (4 cr.) (Spring)**  
P: P101, P102, P111; or P105. Experimental methods in study of fundamental learning processes. Emphasis on principles of reinforcement, conflict, drive, and discrimination.
- P458 Historical Approach to Psychological Problems (2 cr.) (Spring)**  
P: 12 hours of psychology. Origins of assumptions underlying major systems of psychology in philosophy, in other sciences, and in professional practice; influence of systems on development of modern scientific psychology.
- P495 Readings and Research in Psychology (cr. arr.) (Fall, Spring)**  
P: consent of instructor.

## SOCIOLOGY

- S161 Principles of Sociology (3 cr.) (Fall, Spring)**  
Nature of interpersonal relationships, societies, groups, communities, and institutional areas such as the family, industry, and religion; social processes operating within these areas; significance for problems of personality, human nature, social disorganization, and social change.
- \*S163 Social Problems (3 cr.) (Fall, Spring)**  
P: S161. Major social problems in areas such as the family, religions, economic order, crime, mental disorders, civil rights; racial, ethnic, and international tensions. Relation to structure and values of larger society.
- S232 Society and the Individual (3 cr.) (Fall)**  
P: S161. Personality and its development; relationship to culture and communication and to social settings; deviant types.
- S324 Social Aspects of Mental Illness (3 cr.) (Fall, Spring)**  
P: 6 hours of sociology or S161 and junior standing.
- S401 Social Organization (3 cr.) (Fall)**  
P: 6 hours of sociology, or S161 and senior standing. Concepts and theory for analysis of social systems; structural features of social systems and their interdependence. Emphasis on manner in which specific features of systems depend upon organization of system as a whole.
- S416 The Family (3 cr.) (Fall)**  
P: 6 hours of sociology, or S161 and senior standing. The family as a social institution, changing family folkways, the family in relation to development of personality of its members, disorganization of the family, predicting success and failure in marriage.
- S426 Control of Crime (3 cr.) (Fall)**  
P: 6 hours of sociology, or S161 and junior standing. Analysis of policies for prevention of crime and treatment of criminals on basis of knowledge regarding causation of criminal behavior.
- S430 Theories of Personality Development (3 cr.) (Spring)**  
P: 6 hours of sociology, or S161 and senior standing. Analysis, comparison, and appraisal of sociological and other theories of personality development.

\* No credit in this course will be given to students who have passed Physics P201-P202.

\* To be accepted with Sociology S161 as six credits in sociology in Group IV A.

## SPANISH

- S101-S102 Elementary Spanish I-II (5-5 cr.) (S101, Fall; S102, Spring)  
Intensive introduction to present-day Spanish, with drills for mastery of phonology, basic structural patterns, and functional vocabulary. Attendance in Language Laboratory required.
- S203-S204 Second-Year Spanish I-II (4-4 cr.) (S203, Fall; S204, Spring)  
P: S102 or equivalent. Meets five times a week. I. Intensive drill reviewing important structural and vocabulary problems, coordinated with literary readings. Attendance in Language Laboratory required. II. Discussion in Spanish of contemporary Hispanic literature. Practice in composition both semesters. Sequence substitutes for S201, S211-S212.
- S305 Masterpieces of Spanish Literature I (3 cr.) (Fall)  
P: S204 or equivalent. Texts selected from 18th, 19th, and 20th centuries. Historical background, literary movements, authors.
- S306 Masterpieces of Spanish Literature II (3 cr.) (Spring)  
P: S305 or equivalent. Texts selected from Middle Ages to 1700, with emphasis on Golden Age. Historical background, literary movements, authors.

## SPEECH AND THEATRE

- S121 Public Speaking (2 cr.) (Fall, Spring)  
Theory and practice of public speaking: training in thought processes necessary to organized speech content, personality, components of effective delivery, and language.
- S131 Fundamentals of Theatre Practice (3 cr.) (Fall, Spring)  
Theories and techniques of stagecraft, lighting, costume, and make-up. Practical experience in University Theatre.
- S143 Fundamentals of Oral Interpretation (2 cr.) (Fall, Spring)  
Basic principles and practice; analysis and reading of selections from prose, poetry, and drama.
- S144 Fundamentals of Acting (3 cr.) (Fall, Spring)  
Theories, functions, and practice in art of acting. Lecture and laboratory.
- S160 Speech Correction for Classroom Teaching (3 cr.) (Fall, Spring)  
Classification and methods of therapy for speech and hearing disorders; emphasis on rehabilitation that can be given by teacher to children in classroom situation.
- S221 Social Influence of Speech I (3 cr.) (Fall, Spring)  
Development of speech and theories of oral discourse; the communication process and human behavior and culture; speech in conflict situations.
- S223 Business and Professional Speaking (3 cr.) (Fall, Spring)  
P: S121 or consent of instructor. Preparation and presentation of types of speeches and oral reports appropriate to group discussion and parliamentary procedure.
- S227 Intercollegiate Debate (1 cr.; 4 cr. max.) (Fall, Spring)  
Participation in intercollegiate debate and discussion; emphasis on research, analysis, reasoning, evidence, and persuasive presentation.
- S228 Argumentation and Debate (3 cr.) (Fall)  
P: S121 or S130 or consent of instructor. Evidence and argument in logical discourse, including legal and parliamentary speaking; analysis and comparison of selected British and American debates. Practice in argumentative speaking.
- S324 Persuasion (3 cr.) (Spring)  
P: S121 or S130; and one of the following: S221, S223, S228, S229. Motivational appeals in influencing behavior; psychological factors in speaker-audience relationship; contemporary examples of persuasion. Practice in persuasive speaking.
- S240 Appreciation of the Theatre (2 cr.) (Fall, Spring)  
Aspects of theatre chosen to increase understanding and appreciation of this art form.
- S247-S248 Introduction to History of the Theatre I-II (3-3 cr.) (S247, Fall; S248, Spring)  
Significant factors in primary periods of theatre history and the effect on contemporary theatre. Representative plays of each period to illustrate theatrical use of dramatic literature.

## CONTINUING EDUCATION

Indiana University at South Bend makes available a variety of noncredit courses and cultural programs for those wanting additional knowledge for professional advancement and understanding, cultural enrichment and personal enjoyment, and college preparation. Most of the courses are offered evenings and, for some, certificates are issued

upon satisfactory completion. The following courses and programs are scheduled for this year. For further information, consult the Office of Continuing Education, Greenlawn Hall.

## STUDIES IN LIBERAL ARTS FOR ADULTS

- Conversational Spanish, French, German, and Russian  
Creative Writing  
Emphasis: Viet Nam  
Enriching Your Child's Life  
Expressive Decor For Your Home  
Human Rights In Today's World  
Investing in the Stock Market  
Literature for Children  
Residential Architecture Planning and Design  
Residential Landscape Planning and Design  
Sun, Stars, and Solar Systems  
The Art of Seeing Art  
The Performer, the Composer, and the Audience  
The Poetic Phrase  
Today's Family  
Workshop in Music Reading—The Recorder

## CONTINUING PROFESSIONAL STUDIES

- Accounting for Secretaries  
Advanced Traffic and Transportation Management  
Business Administration for Secretaries  
Business Law for Secretaries  
Effective Reading in Business  
Effective Writing in Business  
Helping Employees Plan Their Retirement  
Human Relations for Secretaries  
Income Tax Planning and Preparation  
INTOPS  
Law Enforcement Supervision, Administration, and Technical Training  
Legal Secretarial Principles and Practices  
Manufacturing Management  
Principles of Business and Management Administration  
Production and Inventory Control I  
Production and Inventory Control II  
Real Estate: Appraisals  
Real Estate: Licensing Examination Review  
Real Estate: Principles  
Real Estate: Law  
Statement Analysis  
Traffic and Transportation Management  
Wills, Inheritance, and Estate Planning

## COLLEGE PREPARATORY COURSES

- American Civilization  
Basic Biology  
Basic Composition  
Basic Mathematics  
Introduction to Literature  
Techniques of Reading and Study  
Vocabulary Improvement

## Resident Faculty and Administrative Staff\*

AHO, WILLIAM R., A.M. (University of Notre Dame, 1964), Lecturer in Sociology  
 BABROV, HAROLD J., Ph.D. (University of Pittsburgh, 1960), Associate Professor of Physics  
 BANKS, ROBERT R., Ph.D. (University of Notre Dame, 1966), Assistant Professor of Education  
 BAPTISTE, HANSOM P., JR., M.A.T. (Indiana University, 1966), Lecturer in Education  
 BARRETT, BENJAMIN A., Ph.D. (Indiana University, 1966), Assistant Professor of Germanic Languages  
 BEUTLER, ALBERT J., A.M. (Winona Lake School of Theology, 1958), Assistant Dean  
 BOLLINGER, W. LYNN, Ed.D. (Indiana University, 1966), Chairman of the Division of Education, and Assistant Professor of Education  
 BONER, MRS. CAROLYN B., M.A.T. (Indiana University, 1966), Lecturer in Mathematics  
 BRADY, JAMES J., A.M. (University of Notre Dame, 1963), Lecturer in Economics  
 CASSIDY, JOHN A., Ph.D. (Case Western Reserve University, 1950), Assistant Chairman, and Associate Professor of English  
 CLINE, DONALD G., M.B.A. (The University of Michigan, 1948), C.P.A., Assistant Professor of Accounting  
 CLIPPER, LAWRENCE J., Ph.D. (University of North Carolina, 1963), Assistant Professor of English  
 CONLEY, JAMES E., A.M. (The Louisiana State University and Agricultural and Mechanical College System, 1962), Lecturer in Government  
 DAY, MALCOLM M., Ph.D. (Case Western Reserve University, 1964), Assistant Professor of English  
 DECOSTER, THOMAS A., A.M. (University of Notre Dame, 1967), Lecturer in Economics  
 DEETER, JERRY C., M.S. (Indiana University, 1961), Assistant Registrar  
 DE LARA, MRS. LOLA JANE ROSENBERGER PÉREZ, A.M. (Middlebury College, 1939), Assistant Professor of French and of Spanish  
 DEMAREE, ROBERT W., JR., M.M. (Indiana University, 1963), Director of Music, and Lecturer in Music  
 DENNER, STEPHEN S., B.S. (Cornell University, 1965), Lecturer in Sociology  
 DIRENZO, GORDON J., Ph.D. (University of Notre Dame, 1963), Associate Professor of Sociology (on leave of absence, 1968-69)  
 DUVALL, CHARLES R., Ph.D. (Ohio University, 1966), Assistant Professor of Education  
 ECKSTEIN, JAMES B., A.M. (University of Detroit, 1951), Director of the Computing Center  
 ESSELSTROM, MICHAEL J., Ed.D. (Teachers College, Columbia University, 1968), Assistant Professor of Music  
 FABRYCKI, WILLIAM T., A.M. (Ball State University, 1961), Assistant Professor of Fine Arts  
 FARROW, MRS. E. JONELLE, A.B. (University of Texas, 1964), Lecturer in Psychology  
 FINNEGAN, ROBERT E., A.M. (University of Notre Dame, 1963), Lecturer in English  
 FRY, GLADYS-MARIE, Ph.D. (Indiana University, 1967), Assistant Professor of Folklore  
 FURLONG, PATRICK J., Ph.D. (Northwestern University, 1966), Assistant Professor of History  
 GERINO, WILLIAM M., Ph.D. (Indiana University, 1963), Assistant Chairman, and Assistant Professor of Speech and Theatre  
 GILCHRIST, MARY A., Ed.D. (University of Colorado, 1967), Assistant Professor of Education  
 HAMILTON, ROBERT D., M.M. (Catholic University of America, 1962), Lecturer in Music  
 HARLAN, MRS. DONNA B., M.S. (Columbia University, 1950), Librarian  
 HARRIMAN, GERALD E., Ph.D. (University of Cincinnati, 1958), Chairman of the Division of Business Administration, and Professor of Business Administration  
 HARVIN, MRS. VIRGINIA R., Ed.D. (Indiana University, 1964), Assistant Professor of Education

HOFSTAD, LOIS V., Ph.D. (Case Western Reserve University, 1967), Assistant Professor of English  
 HUITINK, GERALDINE M., Ph.D. (Iowa State University of Science and Technology, 1967), Assistant Professor of Chemistry  
 KOPFER, EDWARD A., JR., Ph.D. (Temple University, 1963), Assistant Professor of English  
 KREPEL, WAYNE J., Ed.D. (University of Nebraska, 1967), Assistant Professor of Education  
 LEHMAN, CHARLES P., M.S. (Purdue University, 1963), Lecturer in Speech and Theatre  
 LONG, NEAL B., JR., Ph.D. (Indiana University, 1964), Assistant Professor of Economics  
 LOVE, EUGENE E., M.S.W. (University of Illinois, 1964), Assistant to the Dean of the Junior Division  
 MARTI, DONALD B., Ph.D. (University of Wisconsin, 1966), Assistant Professor of History  
 MARTIN, EDWARD S., Ph.D. (Northwestern University, 1967), Assistant Professor of Chemistry  
 MASON, J. SCOTT, M.B.A. (The University of Michigan, 1965), Lecturer in Business Administration  
 MHATRE, MRS. SHIRLEY LEE, Ph.D. (University of Denver, 1958), Assistant Professor of Psychology  
 MOLSON, FRANCIS J., Ph.D. (University of Notre Dame, 1965), Assistant Professor of English  
 MORROW, JOSEPH E., Ph.D. (Washington State University, 1965), Assistant Chairman, and Assistant Professor of Psychology  
 PALUMBO, EDWARD M., A.M. (The University of Michigan, 1963), Lecturer in English  
 PARKER, JOSEPH B., A.M. (The Louisiana State University and Agricultural and Mechanical College System, 1962), Lecturer in Government  
 PARRUCCI, DENNIS J., A.M. (University of Notre Dame, 1967), Lecturer in Sociology  
 PEPPERDINE, WARREN H., Ph.D. (University of Minnesota, 1965), Director of Theatre, and Assistant Professor of Speech and Theatre  
 PIC'L, MELVIN E., A.M. (Pepperdine College, 1962), Lecturer in Speech and Theatre  
 RISLER, WALT P., Ph.D. (University of Chicago, 1962), Associate Dean, and Associate Professor of Sociology  
 ROBBINS, J. WESLEY, A.M. (University of Chicago, 1965), Lecturer in Philosophy  
 ROBINSON, ROBERT N., M.B.A. (Indiana University, 1948), C.P.A., Assistant Professor of Accounting  
 ROMINE, OTIS S., Business Manager  
 ROSS, JOSEPH H., Ph.D. (University of Maryland, 1957), Assistant Chairman, and Associate Professor of Chemistry  
 ROTIGEL, DAVID E., A.M. (University of Toledo, 1964), Lecturer in Education  
 RUFF, ELDON E., Ph.D. (Purdue University, 1962), Assistant Professor of Education  
 RYAN, THOMAS P., A.M. (University of Notre Dame, 1963), Lecturer in English  
 SACHS, STEPHEN M., Ph.D. (University of Chicago, 1967), Assistant Professor of Government  
 SAVAGE, EARL J., Ph.D. (West Virginia University, 1963), Assistant Professor of Botany  
 SCHERER, PAUL H., Ph.D. (University of Wisconsin, 1964), Assistant Professor of History  
 SCHLUNT, RICHARD S., Ph.D. (University of Iowa, 1968), Assistant Professor of Mathematics  
 SCHREIBER, ROY E., Ph.D. (University of London, England, 1967), Assistant Professor of History  
 SCHWANKE, MRS. BEULAH P., A.M. (University of Notre Dame, 1966), Administrative Assistant  
 SCOTT, BARRY M., M.S.L.S. (The Pennsylvania State University, 1968), Reference Librarian  
 SHAPIRO, MRS. GLORIA K., Ph.D. (Brandeis University, 1961), Assistant Professor of English  
 SHAPIRO, SHELDON, Ph.D. (University of California, Los Angeles Campus, 1966), Assistant Professor of History  
 SIEGEL, HAROLD H., Ph.D. (Northwestern University, 1962), Assistant Professor of Psychology

\* Faculty and staff for 1968-69 includes appointments made as of the printing of this *Bulletin*.

- SILHA, JOHN D., M.B.A. (Indiana University, 1967), Lecturer in Business Administration
- SMITH, DOUGLAS H., M.S. (Indiana University, 1965), Administrative Assistant for Special Programs
- SNYDER, DONALD D., Ph.D. (Michigan State University, 1957), Chairman of the Division of Arts and Sciences, and Associate Professor of Physics
- SUDERMANN, JACOB, A.M. (The University of Michigan, 1937), Assistant Professor of Germanic Languages
- SWANDA, JOHN R., JR., Ph.D. (University of Illinois, 1968), Assistant Professor of Business Administration
- TAWADROS, MILAD A., Ph.D. (University of Iowa, 1966), Assistant Professor of Economics
- TIBBETTS, WILLIAM H., A.M. (Michigan State University, 1966), Admissions Officer
- TROUT, JEAN A., A.M. (Ball State University, 1957), Lecturer in Education
- TULL, CHARLES J., Ph.D. (University of Notre Dame, 1962), Assistant Chairman, and Associate Professor of History
- VANDER VEN, TOM R., Ph.D. (University of Colorado, 1968), Assistant Professor of English
- WEGER, JOHN J., A.M. (Michigan State University, 1961), Lecturer in Business Administration
- WHITE, THOMAS E., B.S. (Indiana University, 1965), Director of University Relations and Business Placement
- WHITMAN, MRS. KATHRYN A., M.S. (University of Illinois, 1967), Reference Librarian
- WILLIAMS, MRS. HELEN K., A.M. (Yale University, 1964), Lecturer in History
- WOJCIECHOWSKI, EDWARD G., Ph.D. (University of Notre Dame, 1963), Assistant Professor of Philosophy
- WOLFSON, LESTER M., Ph.D. (The University of Michigan, 1954), Dean, and Acting Chancellor, Indiana University at South Bend, and Professor of English
- ZIRING, STANLEY, Ph.D. (University of London, England, 1965), Assistant Professor of History
- ZISLA, HAROLD, A.M. (Case Western Reserve University, 1951), Assistant Chairman, and Assistant Professor of Fine Arts
- ZIVICH, MATTHEW, M.F.A. (Indiana University, 1964), Instructor in Fine Arts

## ASSOCIATE FACULTY

- AGUIRRE, ALPHONSO A., M.S. (University of Notre Dame, 1962), Associate Lecturer in Spanish
- ANDREWS, JACK E., A.M. (Ball State University, 1959), Associate Lecturer in Speech
- BENDER, MRS. EILEEN T., B.S. (Northwestern University, 1956), Associate Lecturer in English
- CARR, HOWARD O., A.M. (Indiana University, 1952), Associate Lecturer in Mathematics
- CLAEYS, FRANK J., B.S. (Indiana University, 1957), C.P.A., Associate Lecturer in Business
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