

William

Jewell

College



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William Jewell College



Liberty, Missouri 64068
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1982-1983 Catalog

William Jewell College is a private and independent institution affiliated with the Missouri Baptist Convention. The College pursues a non-discriminatory policy with regard to employment and educational programs, and endeavors to comply with Title IX of the Education Amendment of 1972 which prohibits discrimination on the basis of sex, and with other legislation applicable to private, four-year undergraduate colleges.

Accreditation

William Jewell College is accredited by the North Central Association of Colleges and Secondary Schools. The following departments are also accredited: education by the Missouri Department of Elementary and Secondary Education; music, an associate member of the National Association of Schools of Music; nursing education, by the Missouri State Board of Nursing and the National League for Nursing.



WILLIAM JEWELL COLLEGE

AN INTRODUCTION

William Jewell College has long been recognized as the "Campus of Achievement." Founded by the Baptists of Missouri in 1849 and named in honor of Dr. William Jewell, frontier statesman, physician, and benefactor, William Jewell was the first four-year men's college west of the Mississippi. In 1921 it became co-educational.

Located in Liberty, Missouri, a friendly college town of 18,000, William Jewell's principal campus of 106 wooded acres is just fifteen minutes from downtown Kansas City. This location offers the best of two worlds—a quiet and scenic campus, ideal for study and contemplation, and the social enjoyment and easy access to the cultural advantages of a city of a million people. The William Jewell campus features colonial architecture and is one of the nation's most beautiful. A quadrangle of six buildings located on "the hill" forms the nucleus around which campus life is centered. A stadium and music building join the quadrangle. Seven modern residence halls for men and women stand to the north and east of "the hill," all within walking distance of the quadrangle. The Mabee Center for Physical Education offers some of the finest physical fitness facilities in the state.

William Jewell is primarily a residential college. Through curricular and extra-curricular activity, each student is exposed to a total living/learning experience which serves to broaden the liberally educated individual. William Jewell is a Christian institution open to all qualified men and women. Racial and philosophic differences enrich the college community by creating an interplay of different points of view. Enrollment is limited to approximately 1400 students in the day division.

As a respected institution of higher learning, William Jewell College is

committed to provide stimulating intellectual experiences, challenging students to become mature persons, self-disciplined and scholarly, yet responsive and sensitive to the needs of society. In its pursuit of the liberal arts and sciences, William Jewell places the student at the center of the college curriculum to foster personal achievement in every way—academic, social, developmental, and spiritual.

MISSION OF THE COLLEGE

William Jewell College is committed:

To provide a sound liberal arts education of superior quality. As a respected institution of higher learning, William Jewell College endeavors to provide a breadth of stimulating intellectual experiences which challenge the individual to become a scholarly and self-disciplined person, responsive and sensitive to the needs of society. The college views the liberal arts and sciences as the foundation for sound professional and pre-professional preparation, while focusing upon the individual as a significant agent for change and for improvement in the human condition.

To be an institution of unquestioned loyalty to the ideals of Christ, demonstrating a Christian philosophy in daily living and across the broad scope of educational endeavors. The college aspires to be a community in which the commitment of the members exemplifies the compatibility of sound scholarship and the Christian faith and demonstrates its worthiness as a way of life. Commensurate with this viewpoint, the individual is challenged to develop a personal code of conduct which inspires a meaningful and caring involvement with others.

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To cooperate thoroughly with the Missouri Baptist Convention to offer the finest Christian education possible. Founded in 1849 by the Baptists of Missouri, William Jewell College is an independent, church-related institution which emphasizes the finest of its Baptist heritage. As the steward of substantial denominational resources, William Jewell helps educate Baptist leaders and seeks new methods of expressing the Christian faith in each generation.

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Recognizing that education is the opportunity and responsibility of the student, William Jewell College invites the student to an adventure in learning. The process is simple: The college selects students who can profit most from the kind of education offered on "the hill," provides consultation to set goals and plan educational strategies to reach those goals, and offers the resources necessary to meet those goals.

Personal Advising

Each student at William Jewell has the assistance of a primary advisor and an optional Personal Advisory Committee in developing the Program of Personal Achievement. Advising is an important part of the teaching process at William Jewell. Faculty members assume the responsibility of personally advising students in their total development—intellectually, spiritually, emotionally, socially, and physically.

After the freshman year the primary advisor may change if the student alters his area of academic concentration. However, the original primary advisor may remain on the Personal Advisory Committee. This committee may have a maximum of four persons, including faculty members, students at or above the sophomore level, members of the administration, or

representatives from outside the academic community (such as a minister, businessman, or professional in the student's area of interest).

Not all students will wish to extend advising beyond the primary advisor. Students and faculty members may change advisory relationships upon mutual consent, with the director of counseling and academic dean assisting whenever necessary.

The college encourages the advisory relationship by scheduling time for advising within the normal academic calendar, on the understanding that advising is as much a process of teaching as classroom activities.

General Education

William Jewell's curriculum is in the liberal arts tradition. In the words of one of the college goals, this curriculum shapes "an educational experience which can liberate each individual from the tyrannies of ignorance, provincialism, self-centeredness, and close-mindedness." The general education programs are the center of this liberating, or liberal, experience.

Thus, just as every student eventually includes a specialized program (a major or area of concentration) in his or her degree plan, so he or she also includes a general program. Most students who entered the college before fall semester 1981 follow the Distribution Curriculum of general education, described below as Program I. However, since 1981, two general education programs are available to regularly admitted freshmen and some upperclassmen. Though most students will continue to enroll in the Distribution Program, sixty students will be admitted annually to the Integrated Curriculum, Program II below. Choosing one of these

two programs is an important curricular decision each student makes when first preparing to register at William Jewell.

Program I. The Distribution Curriculum of General Education, provides a liberating breadth of studies through a variety of separate departmental courses in the three large areas of knowledge—the humanities, the social sciences, and mathematics and natural sciences.

Program II. The Integrated Curriculum of General Education, provides this breadth of knowledge through a core of interdisciplinary courses using the central theme of decision making to unify study of the humanities, the social sciences, and mathematical and natural sciences.

Program I. The Distribution Curriculum

The Bachelor of Arts Degree. The general education pattern for the bachelor of arts degree includes:

1. English 100 or advanced placement by the department.
2. Communication 100 or advanced placement by the department.
3. Physical Education 100 plus 1 hour in activity courses. (No more than 4 hours in activity courses may be applied towards the 124 hours required for the degree.)
4. One course in Religion selected from Religion 113, 114, 115, 211, 212, 213.
5. Proficiency in a foreign language. This requirement may be met by demonstrating language proficiency commensurate with twelve hours' work in one foreign language. A student who presents two units of high school language may be required to take a placement test. The student who

thereby attains advanced placement may satisfy the language proficiency requirement by passing four semester hours in the same language in courses above the elementary level. The foreign language requirement will be waived for a foreign national who has grown up in a non-English speaking culture and successfully completed secondary school work taught in a language other than English. Official certification will be required.

6. Twelve hours from Mathematics and Natural Sciences (mathematics, biology, chemistry, physics), chosen from two separate fields and including one laboratory science.

7. Twelve hours from Social Sciences (economics, history, political science, psychology, sociology), selected from at least two separate fields.

8. Twelve hours from Humanities, selected from two separate fields, in addition to the four hours in religion and including at least four hours of literature. Humanities credit toward graduation may be earned in English, philosophy, religion (except 113, 114 and 115), music (except applied music numbered below 200 and all performing groups), foreign language literature courses numbered 300 or above, art courses numbered 200 or above, Communication 220 and 309, and Political Science 211 and 311.

The maximum credit toward the bachelor of arts degree that a student may receive in one discipline is forty hours.

The Bachelor of Science Degree. Students majoring in accounting, mathematics (with emphasis in data processing), music, nursing education and physical education elect the following general education pattern leading to the bachelor of science degree (majors in elementary education and management may elect either the B.A. or the B.S. degree):

1. English 100 or advanced placement by the department.

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2. Communication 100 or advanced placement by the department.
3. Physical Education 100 plus 1 hour in activity courses. (Except for majors in physical education, no more than 4 hours in activity courses may be applied toward the 124 hours required for the degree.)
4. One course in Religion selected from Religion 113, 114, 115, 211, 212, 213.
5. Eight hours from Mathematics and Natural Sciences (mathematics, biology, chemistry, physics), chosen from two separate fields and including one laboratory science.
6. Twelve hours from Social Sciences (economics, history, political science, psychology, sociology), selected from at least two separate fields.
7. Eight hours from Humanities, selected from two separate fields, in addition to the four hours in religion and including four hours of literature. Humanities credit toward graduation may be earned in English, philosophy, religion (except 113, 114 and 115), music (except applied music numbered below 200 and all performing groups), foreign language literature courses numbered 300 or above, art courses numbered 200 or above, Communication 220 and 309, and Political Science 211 and 311.

The maximum amount of credit toward graduation that a student may receive in one subject-matter field for the bachelor of science degree is sixty hours.

Program II. The Integrated Curriculum of General Education

The Basic Skills Component: Communication 100, English 100, Physical Education 100 plus 1 hour of activity courses. The activity courses must include at least 1 lifetime sport.

Core of Studies in Public and Private Decision Making. Foundations for the Future: An Integrated Value-Based Study of Public and Private Decision Making, Relating Christian Heritage and Cultural Past to Contemporary Problems and Human Futures.

The Foundations courses are described in this catalog in the section on **Courses of Study**, immediately preceding descriptions of departmental courses.

Foundations 100. Problems, Choices, and Values: An Introduction to the Integrated Program.

Foundations 210. Private Decision Making for Present and Future Selves.

Foundations 220. Public Decision Making in America.

Foundations 230. Christian Heritage and Western Culture: Foundations for Formation of Values.

Foundations 240. American Decisions and Developing Nations.

Foundations 400. From Present Problems to Chosen Futures: A "Capstone" Course for seniors. This course is a "mirror" course to Foundations 100.

The Distribution Component *Bachelor of Arts Degree.*

4 hours from Mathematics and Natural Sciences (biology, chemistry, mathematics, physics).

4 hours from Social Sciences (economics, history, political science, psychology, sociology).

4 hours from Humanities—English, philosophy, religion (except 113, 114, 115), music (except applied music numbered below 200 and all performing groups), foreign language literature courses numbered 300 or above, art courses numbered 200 or above, Communication 220 and 309, and Political Science 211 and 311.

12 hours or equivalent proficiency in one foreign language.

The maximum amount of credit toward graduation that a student may receive in one subject-matter field for the bachelor of arts degree is forty hours.

Bachelor of Science Degree.

For students majoring in accounting, mathematics (with emphasis in data processing), music, nursing education, and physical education (majors in elementary education and management may elect either the B.A. or B.S. degree):

4 hours from Social Sciences (economics, history, political science, psychology, sociology).

The maximum amount of credit toward graduation that a student may receive in one subject-matter field for the bachelor of science degree is sixty hours.

Winterim

Between the fall and spring semesters a short “Winterim” session is offered the second and third weeks of January each year. The two-week Winterim term is integral to the William Jewell academic year, providing opportunity for students to pursue special courses of educational enrichment, internships, short courses overseas or on another campus, and selected research projects. Students concentrate on only one subject for the intensive two-week Winterim period. As an integral part of the William Jewell academic experience, Winterim is required of all full-time students each year.

Students register for Winterim courses during a special registration period in the month of October. Students will register for courses selected from those listed in the Winterim course schedule which is published in September.

There is no additional tuition cost for a William Jewell student who enrolls in a William Jewell Winterim. Some Winterim courses do require fees. Winterim courses carry 1 to 3 hours credit. A student may not

duplicate a previous Winterim course for credit toward graduation, nor may he take more than two Winterim courses under the same department. Credit hours awarded for Winterim courses must be earned in addition to the 124 hours required for graduation. A student may pursue more than one Winterim course during a Winterim period, but such additional courses do not remove Winterim course obligation in future years.

The dropping of a Winterim course without the approval of the Dean will carry automatic penalty of an F grade in the course.

The Writing Program

English 100, Freshman Composition, is required for graduation and to assure writing competency. All students must pass a minimum competency, but are urged to achieve beyond the minimum.

Some students who are already capable writers should apply to the department chairman for enrollment to take department-devised exams which rigorously demand demonstration of competency in composition. Successfully passing the exam will earn advanced placement in English 210 or 212 or in 320 combined with another 2 hours of writing.

After achieving the required writing competency, either in English 100 or by the advanced placement method, students will be expected to maintain that competency or an even higher standard. If a professor finds a student's writing to be below standard, that student will be referred to the English department for additional or remedial work.

Students are required to pass the William Jewell College Proficiency Test of Writing Skill, the same test as the final examination in Freshman Composition, before receiving

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permission to register for hours beyond 60. Transfer students are required to pass the proficiency test before registering for hours beyond 60 or before the end of their third semester at Jewell, whichever occurs later.

During their undergraduate career, students are also required to pass the equivalent of two courses beyond Composition which provide opportunity for additional writing experiences. These courses are designated as writing component courses in the Schedule of Courses and are taught by faculty in a variety of disciplines.

Since some students may come to college without having had many writing experiences in high school or may simply feel inadequately prepared for college writing, a diagnostic test of writing skill is administered to entering students. The results of the test are sent to the student and the student's composition teacher, and the Writing Center is available on a voluntary basis to help anyone interested in developing basic writing skills necessary for college.

Individual Areas of Concentration

Each student at William Jewell designs or chooses an area of concentration in light of interests, abilities, and objectives, and in accordance with the college guidelines outlined in this catalog under "Academic Regulations." The area of concentration, worked out in consultation with the student's advisor or Personal Advisory Committee, normally consists of six to fifteen courses (twenty-four to sixty semester hours).

Students may choose one of the traditional academic majors (e.g., art, business, education, English, history, physics, religion), or devise an interdisciplinary or non-traditional area from the several hundred courses offered by the college.

Students may examine a culture (e.g., American Studies, Black Studies), an historical epoch (e.g., Colonial America, Medieval Europe, Renaissance England), a combination of disciplines (e.g., Aesthetic Principles in the Fine Arts, Social Psychology, Writing), or a specific vocation (e.g., a combination of business administration, communication, and psychology and leading toward a degree in Public Relations.)

Instructions and forms for preparing an interdisciplinary or nontraditional area of concentration are available through the Office of the Dean. Proposals for these self-designed majors will not be accepted or approved later than the third week of first semester of the senior year (i.e., two semesters before graduation).

Independent Study

While at William Jewell students plan at least one independent study experience to be pursued in an area of special interest. Independent study projects are planned in cooperation with the advisor or Personal Advisory Committee and the professor directing the study. Students may pursue independent study within a traditional academic department or through the Off-Campus Study Committee. The summer term and the January "Winterim" are ideal for short-range independent projects, on or off campus.

Through the college Alumni Association, it is possible for students to do independent study related to professions, business and industry, government, religious or social service, and other areas of personal interest.

Honors Study. Students desiring rigorous academic challenge may undertake independent study in the Honors Program and seek graduation with "Honors" or "Achievement." This program is described in this catalog under "Academic Regulations."

William Jewell Scholars Program. A highly motivated student may plan from one to four semesters of his college career in an unconventional pattern to meet specific educational goals. The student may work on or off campus, in classes or tutorially, in internships or extended projects. These students are designated "William Jewell Scholars." Guidelines for the program are available through the Office of the Dean.

The Oxford-William Jewell Tutorial Program. A small number of academically gifted students may be admitted annually as Oxford-William Jewell Tutorial Scholars. These students will pursue one-fourth of their freshman-level work and one-half of their sophomore-level work in individual, tutorial relationships with William Jewell professors. The junior year will be spent at Oxford University, England, in the traditional British tutorial mode of study. The senior year will be spent in tutorial study on the William Jewell campus. This blending of the best in British and American traditions of educational excellence is a program unique to William Jewell College.

Off-Campus Study

A student wishing to pursue a portion of her college studies off campus should seek the assistance of her advisor in developing an off campus experience that has a direct relationship to the student's educational goals.

Great flexibility exists in choosing the length and type of program. Typical programs involve work-study in the inner-city, social or religious service, vocational internships or study at another college. Programs may be formally structured classwork or independent study.

Programs in the United States. The college sends students to the United Nations Semester of Drew University and

the Washington Semester of American University. Students interested in these and similar programs should contact the Office of the Dean.

Urban Studies. The location of William Jewell College in the suburbs of the greater Kansas City metropolitan area makes it ideal for students interested in special urban environment studies. These studies may be arranged in business, communication, education, social work and sociology, and many other academic areas. Special urban study programs are arranged through appropriate academic departments, or the Office of the Dean.

The World Campus at William Jewell College

Each student at William Jewell College is encouraged to pursue a semester or a year in a foreign study experience. Through programs in Europe and Japan and through the International Student Exchange Program, the college enables students to become familiar with other countries and to develop cross-cultural skills, a sense of self-awareness, self-confidence and independence.

Overseas study programs are considered to be vital as a part of William Jewell College's total educational curriculum. The programs range in length from several weeks to a full semester or a full year. Each program gives a selected range of courses that are designed to integrate well with courses of study at William Jewell and at other accredited colleges and universities in America. Programs are open to all students regardless of their major fields of study. The Coordinator of Overseas Study Programs in the Dean's Office assists students in planning a foreign study experience.

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All scholarships and financial aid used to study at William Jewell can also be used to study with college-sponsored programs, and often students are eligible for additional loans. Students considering foreign study should discuss their options with the Financial Aid Office.

Cambridge University Program. William Jewell College maintains a special relationship with Wolfson College, Cambridge University, whereby a student who has completed graduation requirements at William Jewell may proceed to Cambridge to spend two years reading for a second degree at that prestigious English university. Students work at Cambridge with a special tutor who advises on both academic and personal matters and with a director of studies who arranges the student's personalized course of study.

Oxford University Programs. Oxford is renowned the world over for the stream of scholars it has attracted to its famed university. William Jewell College is proud to offer two programs through which its students may pursue a portion of college study in this historic center of learning.

As is the custom at Oxford, instruction is chiefly accomplished through individual tutorials. The Oxford student, during his first week with either program, will meet with his tutor, who helps him define the limits of his study for the semester and directs his work.

The Oxford academic year consists of three eight-week terms: Michaelmas Term extends from early October to early December; Hilary Term, from mid-January to mid-March; and Trinity Term, from late April to late June. During the 5-to-6-week breaks between terms, students are free to travel.

Credit for study at Oxford is awarded by William Jewell College and is recorded as "Study at Oxford with Honors."

Applications will be accepted from students with a minimum 3.5 cumulative grade point average. Applications are due March 1 for study at Oxford the following academic year.

- **Regent's Park College.** William Jewell College sustains a cooperative arrangement with Regent's Park College, sending two students each year to study at that institution. Founded by British Baptists in 1810, Regent's Park specializes in theological studies, though undergraduates are accepted to study in other areas as well. Students typically "read" in only one subject each term, receiving 11 credit hours per term for work successfully completed.

- **Oxford Overseas Study Program.** The Oxford Overseas Study Program is an independent foreign study program under the direction of Francis Warner, a tutor of St. Peter's College, Oxford University. Although the program is not directly related to any one college, it provides students with the opportunity to study with tutors of the various colleges of Oxford University. Students typically "read" in two subjects each term, meeting weekly for primary tutorials, and every other week for secondary tutorials. Eight credit hours are awarded for successful completion of the primary tutorial. Some of the areas of instruction in which tutorials may be arranged are history, literature, philosophy, religion, art, and psychology.

Harlaxton College, England. A campus extension at a picturesque Victorian manor house near Sherwood Forest in Lincolnshire, England, provides another international dimension to education at William Jewell. The manor, near the town of Grantham, is close to the larger university cities of Leicester and Nottingham, and is 110 miles due north from London. The student body is comprised of about 160 students who come from William Jewell College, the University of Evansville, and other American colleges. Some students are

Americans living abroad, and some are international students from Europe and Asia.

A component added to the program in 1981 is an opportunity for senior nursing students to study at Harlaxton and to experience community health programs in England.

The academic program at Harlaxton is rigorous and exciting, with approximately 40 different courses offered in art, business and economics, communication, English literature and composition, history, languages, natural sciences, music, philosophy, physical education, political science, psychology and sociology. Independent study is also available. A special archaeology program includes excavation at the site of a Roman settlement which predates the fourth century, A.D. Most courses are taught by British faculty; a few courses are taught by visiting American faculty from the University of Evansville and William Jewell College. Instruction at Harlaxton is based on the American lecture system.

Students live in the manor house itself, and find those accommodations comfortable and appropriately "English."

Applications for Harlaxton will be accepted from William Jewell students and students from other institutions in good standing with an average of "C" or above. Applications for spring semester should be submitted by October 15, and applications for fall semester, by April 1.

Seinan Gakuin University, Japan.

William Jewell College offers an exchange program in cooperation with Seinan Gakuin University of Fukuoka, Japan, in which two William Jewell students study at Seinan Gakuin, and two Japanese students attend Jewell classes for a full academic year.

Instruction is in English for students from the United States, and courses range from Japanese language and culture to humanities and social sciences. Some of the offerings are Japanese Culture and Society, Japanese Law and Government, Cultural Anthropology, Calligraphy, Cultural History, and Modern Japanese Literature in Translation. A year of study at Seinan Gakuin will normally earn 30 to 32 hours of credit for a William Jewell student.

Program costs, including room and board, and all administrative and extension fees, are the same as the total cost for attending William Jewell for the academic year.

Students participating in the program will qualify for and be provided trans-Pacific transportation by the Association for Asian Studies, coordinated by the Council for International Educational Exchange.

Applications will be accepted from William Jewell students in good academic standing. Applications are due March 1 for study at Seinan Gakuin the following year.

Summer Study in Valls, Spain. Students may earn 10 semester hours of credit in Spanish in an intensive program of language and cultural study in Valls, Spain, during June and July. Valls, a small town of 20,000 residents, is well located, about two hours by train from Barcelona. The smaller city of Tarragona, on the Mediterranean coast, is 30 minutes away by train.

The study program is arranged according to offerings and individual needs. All courses are taught in Spanish by William Jewell's resident professors, Professor Antonio Vera, a native of Spain, and Dr. Catherine Vera.

Participants live in a student residence and take their meals there. During the month of June, Spanish students will share the residence with program participants.

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All students in good academic standing qualify for admittance to the program. Applications are due March 15.

ISEP (The International Student Exchange Program). William Jewell College is privileged to be a member of the International Student Exchange Program, thus providing the opportunity for two William Jewell students to study at any ISEP member institution throughout the world. ISEP provides for a one-on-one exchange; thus, William Jewell selects two students to study at ISEP institutions abroad each year, and in turn receives two foreign students to study on this campus.

Students selected to participate in ISEP will pay the tuition, room, board and fees to William Jewell College, but they will directly matriculate in an ISEP institution abroad. They will be registered as regular students at their host institution and will take the same courses, have the same assignments, and have the same activities as the regular students at that college. Students enroll in a full-course load, generally for one academic year. Grades and credits are converted on an individual basis after consulting with the ISEP coordinator at William Jewell.

Full-time students who have completed at least one year of study at William Jewell are eligible for the ISEP exchange. Generally students have a grade point average of at least 3.0 and are of junior or senior standing. Participants should be proficient in the language of instruction of each institution or program for which they are applying. Applications are due March 1 for study at an ISEP institution the following academic year.

The 4-1-4 Calendar

William Jewell College employs a 4-1-4 academic calendar, including two regular semesters in the fall and spring, and a two-week "Winterim" session in January. In

this arrangement, the normal course load for each semester is four courses of four semester credit hours each. The student may also elect to take certain "adjunct" courses in physical education activities, applied music, and other skills development or enrichment areas.

In addition to the 4-1-4 academic year, the college offers an eight-week summer school beginning in June. Regular courses and special workshops are offered during the summer.

The Evening Division

William Jewell's Evening Division provides undergraduate courses of study for individuals who cannot pursue an educational program during the regular day session of the college.

The Evening Division curriculum offers courses to meet a broad range of interests and needs. While course offerings from more than twenty academic areas are available, special emphasis is given to business, psychology, sociology, and liberal arts.

The Evening Division also provides some specialized non-credit classes appropriate for an adult population. Students not desiring college credit may enroll for night classes provided they are at least seventeen years of age and are capable of doing college level work.

Evening Division professors are selected from the regular William Jewell faculty and from business and professional organizations. The instructors are highly trained, professionally competent, and concerned with providing an educational experience of the highest quality.

Students are classified as "day" or "evening" division students on the basis of

their advisor's affiliation and the requirements of the degree that they are pursuing. Interpretations of such classification may be made by the dean of the college or the associate dean for continuing education.

An "evening division student" may enroll for courses in the day division through the regular day division procedures. Tuition charges shall be made at the rate established for part-time day division students.

A "day division student" who is enrolled for (or has paid tuition for) at least twelve (12) semester hours in the day division for the current semester may enroll for a maximum of one evening division course during that semester under the following conditions:

1. The student must obtain the written approval of his/her advisor and the chairman of the department of his/her major specifying the reason for the request.

2. Either the regular evening tuition for the course or a "dual enrollment fee" of \$25 is paid.

- a. Regular evening division tuition rates shall apply when the course in question is one that is not a specifically required part of the student's program of studies or one that he/she has had or will have reasonable opportunity to take in the day division.

- b. The "dual enrollment fee" shall apply when the course in question is specifically required for the student's program of studies and has not been offered in the day division for the past two consecutive semesters, is not currently being offered, and is not scheduled to be offered before the anticipated date of the student's graduation.

3. The associate dean for continuing education may allow the payment of the dual enrollment fee in lieu of regular evening division tuition when:

- a. The course in question is classified as both a day division and evening division course, or

- b. A department chairman petitions for certain majors in that department to be exempted from regular evening division tuition because of extraordinary circumstances.

4. The decision of the associate dean for continuing education may be appealed to the Dean of the College.

Preparation for Special Careers

Believing that a liberally educated person is also an individual of high competence, the college prepares students for responsible professional roles in society. Some patterns of professional and pre-professional studies are outlined below.

Arts and Sciences. William Jewell College is fully accredited by the North Central Association of Colleges and Secondary Schools and approved by the Association of American Universities. Students are prepared to enter the finest graduate schools in the country with full undergraduate credit. Students who expect to attend graduate school must, however, have superior academic records.

Students are advised to study the catalog of prospective graduate schools to ensure an undergraduate program which meets the special requirements of that school. The student's major professor should be consulted in planning a program of studies leading to graduate work.

Business. The department of economics and business administration offers both general and professional training, preparing students for either graduate school or immediate entry into business or industry. The department seeks to equip students

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with a well-rounded knowledge of the dynamic character of economic society and the responsibilities faced by men and women in the business field.

Dentistry. Admission into a college of dentistry requires at least three full years of work in an accredited liberal arts college, comprising not less than 90 semester hours. Students should consult the catalog of the school they plan to enter. Required courses usually include English, 6 to 8 semester hours; zoology, 8 semester hours; physics, 8 semester hours; inorganic chemistry, 10 semester hours; and organic chemistry, 5 semester hours.

Undergraduate preparation also should include courses which broaden the intellectual background of the student. Recommended elective subjects include advanced courses in English, foreign language, history, philosophy, political science, psychology, and sociology.

Education. William Jewell College has long served the communities of America by educating teachers for public schools, colleges and universities. The department of education provides preparation for elementary school teachers, subject area teachers in high school or junior high school and teacher/athletic coaches. In addition, work is available toward certification in fields of special education. Through careful planning, students can receive both the baccalaureate degree and state certification for teaching.

The department of education offers excellent undergraduate preparation for graduate study at the master's or doctoral level. Many William Jewell alumni are active in professoriates at major universities and colleges in the United States.

Engineering. William Jewell College is one of a limited number of liberal arts colleges which have entered into an

agreement with Columbia University for a "three-two" program in engineering. After three years in residence at William Jewell College and two years at the Columbia University School of Engineering, the student can receive both the A.B. degree and the B.S. degree in engineering.

William Jewell College also maintains similar "three-two" plans with Washington University and the University of Missouri at Columbia and Rolla.

Students who expect to receive an A.B. degree before entering an engineering school should major in physics, chemistry or mathematics, depending upon the type of engineering school in which they plan to complete their studies. Since the semester-hour load is unusually heavy, students are advised to plan their work very closely with the official advisor for this specialized program.

Pre-Engineering Program of Studies. For students intending to complete professional study at Columbia University, New York; Washington University, St. Louis; or the University of Missouri at Columbia or Rolla, the following program should be followed:

Freshman

FIRST SEMESTER	HRS.
Chemistry 101	4
Mathematics 199	4
English 100	4
American History/Western Civ.	4
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SECOND SEMESTER	HRS.
Chemistry 102	5
Mathematics 200	4
Communication 100	4
Graphics 105	2
P.E. 100 + Activity	2
	<hr/> 17

Sophomore

FIRST SEMESTER	HRS.
Mathematics 201	4

Physics 213	5
Foreign Language	4
Religion	4
	<hr/> 17

SECOND SEMESTER	HRS.
Physics 332	3
Physics 214	5
Foreign Language	4
Humanities	4
	<hr/> 16

Junior

FIRST SEMESTER	HRS.
Physics 443	4
Physics 316—317	4
Social Science	4
Humanities	4
	<hr/> 16

SECOND SEMESTER	HRS.
Mathematics 202	4
Physics 322—323	4
Literature	4
Social Science	4
	<hr/> 16

Forestry. William Jewell College, in cooperation with the School of Forestry of Duke University, offers a five-year coordinated program in forestry (three years at William Jewell and two years at Duke University), leading to both the Bachelor of Arts and Master of Forestry degrees. Applicants for this liberal arts-forestry program should so indicate at the time of enrollment in college. Details of the pre-forestry curriculum are available in the Department of Biology.

Journalism. Courses needed for admission to professional schools of journalism usually include Freshman English, 4 semester hours; literature, 6 semester hours, including 4 semester hours of British literature; biological or physical science, with lab, 4 or more semester hours; economics, 4 semester hours; foreign language, through completion of the intermediate (3rd semester) course; political science (American Government), 4 semester hours; sociology, 4 semester hours.

Law. The American Bar Association recommends that students expecting to enter an accredited law school should pursue undergraduate work with the following objectives in mind: 1) clear comprehension and concise expression in the use of language, 2) historical and critical understanding of human institutions and values, 3) creative power in thinking. Courses in biology, debate, economics and accounting, English, history and government, logic, mathematics, psychology, sociology, and speech are recommended. There is considerable latitude in choice of subjects, but intensive application and a high level of attainment are important.

Medicine. Students planning to study medicine should consult the catalog of the medical school which they expect to attend. The number of years of pre-medical work required varies with different medical schools. Some schools require only three years, but most now require the bachelor's degree.

The general course requirements are as follows: chemistry, 16 to 20 semester hours; biology, 8 to 12 semester hours; physics, 8 semester hours; English, 6 to 10 semester hours. The remaining courses should be selected from the humanities or social sciences: economics, English literature, history, philosophy, psychology, sociology. Some schools require a reading knowledge of French or German.

Admission to medical school is based on the medical aptitude test, scholastic record, and recommendation from the college committee on medical education. Students who expect to be admitted to a medical school must maintain a high scholastic record.

Medical Technology. In cooperation with several hospitals in the Kansas City area, William Jewell College offers a four-year course leading to a bachelor of science

CURRICULUM

degree and registration as a medical technologist. The first three years are spent in residence at William Jewell College, and the fourth year is spent in a hospital program. Upon satisfactory completion, students may be certified in this field by passing the examinations given by the Registry of Medical Technologists of the American Society of Clinical Pathologists.

The following outlines the suggested program of courses for a B.S. in biology with emphasis in medical technology:

Freshman

FALL	HRS.
Chemistry 101	4
Chemistry 105 (alt)	
English 100 or	
Communication 100	4
Biology 151	4
Social Science	4
	<u>16</u>

SPRING	HRS.
Chemistry 102	4
Chemistry 206 (alt)	
English 100 or	
Communication 100	4
Religion	4
Social Science	4
	<u>16</u>

Sophomore

FALL	HRS.
Analytical Chemistry 206	4
Organic Chemistry 301 (alt)	5
Microbiology 211	5
Physical Education 100	1
Human Anatomy &	
Physiology 238	3
	<u>13-14</u>

SPRING	HRS.
Histology 325 or Embry. 324	4
Organic Chemistry 302 (alt)	5
Literature	4
Math 145	4
Human Anatomy &	
Physiology 239	3
	<u>15-16</u>

Junior

FALL	HRS.
Organic Chemistry 301	5
Biochemistry 303 (alt)	4
Physics 111	4
Social Science	4
Statistics 216 (Math)	4
	<u>16-17</u>

SPRING	HRS.
Organic Chemistry 302	5
Genetics (alt)	4
Embryology 324 or	4
Histology 325	
Physics 112	4
Humanities	4
	<u>16-17</u>

Required

20 hrs. Biology
20 hrs. Chemistry
8 hrs. Math
4 hrs. English
4 hrs. Communication
4 hrs. Religion
8 hrs. Humanities
12 hrs. Social Sciences

Ministry. William Jewell College follows closely the recommendation of the American Association of Theological Schools on pre-seminary study. A summary of college recommendations follows:

I. *The function of pre-seminary studies*

1. College work of pre-seminary studies should result in the ability to use the tools of an educated person in written and oral expression.
2. The aim of the study is to acquaint the student with some of the ideas which have influenced modern civilization and which will guide the student in evaluating life situations.
3. The college work of a pre-seminary student should result in an acquaintance with the world in which he lives. It will show the relationship of the physical sciences and Biblical revelation.

4. The college work of a pre-seminary student should stimulate research, independent inquiry, and the formulation of ideas into cogent expression. At least one discipline should be explored in sufficient depth to give the student a sense of mastery and achievement in his study.

5. The function of this study is to present opportunities for the development of Christian faith and vocational commitment through social and Biblical studies.

II. *Subjects in pre-seminary study*

1. The general requirements for all students shall be met.

2. Twenty hours of social studies are recommended. At least eight hours from each of two disciplines are advised. The hours taken in one of these may also count toward a major in that discipline. The fields of study recommended are economics, history, political science, psychology, sociology.

3. Twenty-eight hours of studies in humanities are recommended. The hours taken in one of these disciplines may also count toward a major in that discipline. The subject distribution should be as follows:

English and literature	8 hours
Music	4 hours
Philosophy	8 hours
Religion (other than required)	8 hours
	<u>28 hours</u>

4. Recommended areas of major concentration are:

Communication	
English	Psychology
History	Religion
Philosophy	Sociology

III. *General Information*

1. All pre-theological students are to have the chairman of the department of religion or a professor of that department on their advisement committee throughout their course of study. When a major other than religion is chosen, a joint program of advisement will be undertaken with the chairman of the department of major study advising in academic matters pertaining to the major.

2. Students desiring continuation of their Church-Related Vocation tuition concession are advised to see the director of the Church-Related Vocation program at each fall registration period.

Nursing. William Jewell conducts a program of nursing education reflecting the broad educational values of the college and leading toward the highest level of professional competence in nursing.

The nursing education curriculum is based on the belief that man is a bio-psycho-social and spiritual being and that the well-being of the whole person depends upon a balance of these qualities. The faculty in nursing lead students to an understanding of all scientific knowledge possible in the pursuit of optimum health for all persons, affirming this as a unique and special privilege of service for those engaged in the healing arts.

A carefully-planned four-year curriculum includes courses in the liberal arts and sciences, nursing course, and courses supporting the professional studies. The program and admissions procedures are described in the nursing education section of departmental and course listings in this catalog.



STUDENT LIFE

At William Jewell College, the living/learning experience of student life begins the minute a student steps into the residence hall and meets a roommate with different ideals, background and aspirations. That first step is only one of the many opportunities students have to broaden their own experience by exploring the many facets of student life, a valued extension to academic work at William Jewell College.

Orientation for Freshmen and Transfers

A program of lectures, social events, and registration procedures introduces new students to William Jewell College life. General orientation for all new students is conducted during registration week, in accordance with the calendar.

A Freshman Colloquium program, held in the homes of faculty members, introduces new students to professors, college staff members, and upperclass students.

Fine Arts Program

Now in its eighteenth season, the nationally recognized William Jewell Fine Arts Series brings outstanding concert and stage artists to campus and community. Among the performing artists who have appeared in the series are Leontyne Price, Itzhak Perlman, Carlos Montoya, Rudolf Nureyev and The National Ballet of Canada, Beverly Sills, and Luciano Pavarotti. Students attend the Fine Arts Series at no cost.

Students also enjoy major pop and jazz artists through the College Union Activities concert series. The best in American and foreign films are offered through the Film Society Series.

Achievement Day

Each year, Achievement Day marks the celebration of the William Jewell tradition as the "Campus of Achievement." Outstanding alumni are invited back to campus to receive citations for achievement and to lead seminars in their professional fields for interested students. The formal occasion brings nationally prominent speakers to William Jewell for a convocation address on campus and a banquet address at a Kansas City hotel. Keynote speakers have included Harry S. Truman, Lyndon B. Johnson, Billy Graham, Werhner von Braun, Norman Vincent Peale, General Maxwell Taylor, astronaut James Irwin, Senator Hugh Scott, William F. Buckley, Jr., and Mrs. Coretta Scott King, among others.

Athletics—Varsity and Intramural

William Jewell College enjoys an outstanding record of achievement in athletic competition. The college is a member of the Heart of America Athletic Conference and competes in the following conference sports: football, basketball, baseball, track, golf, tennis, swimming, cross-country, soccer, and wrestling. The National Association of Intercollegiate Athletics standards of eligibility serve as the guideline for the conference sports activities. Intercollegiate competition for women is offered in basketball, volleyball, swimming, tennis and softball. A strong program of intramural men's and women's sports is also offered.

Forensics

The forensics program at William Jewell is an area traditionally strong. Students regularly earn state and national awards. The college placed fifth in the nation in 1981-82 CEDA (Cross Examination Debate Association) rankings, sharing the top honors with the University of

STUDENT LIFE

California-Los Angeles, Brigham Young University, University of California-Northridge, and University of Southern Illinois. The national discussion tape award has for four years gone to the William Jewell team. Capable freshmen who are sufficiently prepared find equal opportunities to compete. The program offers competition in both debate and individual events. Squad members travel to competitions in the Midwest and other locations, such as Texas, Nevada and Colorado.

Music

Widely acclaimed for its music department activities, William Jewell encourages all students to participate in the various musical activities.

The William Jewell Concert Choir has performed in Europe, the Middle East, South America, Canada, Mexico and Hawaii. It is composed of thirty-two voices selected by audition. The Chapel Choir, Concert Band, Symphonic Wind Ensemble, Pep Band, Jazz Ensemble, Opera, College-Community Orchestra, Confronters, and the Brass Ensemble offer opportunities for personal enjoyment and expression in music.

College Chapel— Lecture Series

The college lecture series reflects the college's genuine concern for student spiritual needs and increasing intellectual maturity. This series brings prominent speakers to the campus to present interdisciplinary examination of contemporary life from the Christian perspective. The Walter Pope Binns Distinguished Lectureship, named in honor of the late William Jewell president, and supported by a gift of the Callaway Foundation, brings internationally known Christian scholars to the campus each year. Attendance is reported on transcripts and

grade reports as a record of participation in the educational opportunities provided in the lecture series.

The college community is offered the opportunity to worship together at Chapel each Thursday morning and at other times established by the Chaplain and Chapel committee. Students and faculty members share their faith in this hour of prayer, meditation, singing and preaching. In keeping with the Baptist heritage of the college, attendance at worship is a matter of personal choice.

Christian Student Ministries

Christian Student Ministries at William Jewell College seeks to expose each student, staff, and faculty member to the Christian faith and encourage the college community to live according to this high standard. All activities fall under the direction of Christian Student Ministries, which is headed by a president elected by the student body.

On-campus activities include Bible studies, campus vespers, campus worship, fellowships and retreats and the Fellowship of Christian Athletes.

In order to share the Christian faith off-campus, the CSM provides drama teams, puppet teams, the Confronters singing group, Adopt-A-Grandparent visiting program, revival teams, and special mission projects. All CSM activities are under the direction of the chaplain to the college.

Student Government

Every student at William Jewell has a voice in government through the Student Senate. This governing body, elected by the students in general election, operates in

open session under a student-drafted constitution.

While the final vote rests with elected representatives to the Senate, all students have the right to express their opinions at every Senate meeting.

William Jewell students are involved in the highest level of policy formulation, serving on faculty committees, meeting with the College Conduct Committee, and attending meetings of the Board of Trustees.

Students serving on the College Union Activities Board administer programs of cultural, educational, recreational and social interest to students, faculty and alumni. The board sponsors films, concerts and speakers series.

Student Organizations

Student organizations at William Jewell offer a broad spectrum of activities to meet the social and service needs of students. Twenty-seven nationally affiliated and 33 campus-wide organizations provide opportunity for involvement in religion; fine arts; professional, social and service fraternities and sororities; music ensembles; forensic and drama groups; ethnic organizations; radio station; student publications; athletics; student government and departmental clubs. A complete listing of student organizations and descriptions can be found in the student handbook, *Around the Columns*.

Residence Program

William Jewell offers a four-year residential program, exposing each student to the finest living/learning environment college resources can provide. All unmarried students not living at home are expected to participate in the residential program. Fraternity houses are considered part of that program.

All students living in residence halls are served meals in the College Union. Each student provides pillows, linens and bed covers. All students are subject to the campus regulations and policies of the college as they affect residence halls and all areas of student life. These regulations are fully outlined in the student handbook, *Around the Columns*. Students should read this handbook carefully to become familiar with those regulations that provide for a sound, workable college community.

Counseling Services

The Student Counseling and Testing Center offers professional services to students making educational, vocational and personal decisions. Trained counselors are available to administer and interpret various test instruments helpful in assessing the student's aptitudes and interests.

Student Publications

Students have the opportunity to contribute to the weekly student newspaper, *The Student*, or to serve on the staff of the college yearbook, *The Tatler*. One need not be a journalism major to serve and contribute to these two major publications.

Drama

The William Jewell Players are open to any student with an interest in dramatics as an actor, director, writer, or publicist. Students participating in dramatic events win points leading to election into The Players.

Radio

The college owns and operates a noncommercial 250-watt FM radio station, providing a network of communication for the campus and community, and offering opportunities in broadcasting for students.

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Health Center

The Leonard Skilling Student Health Center is located in Ely Hall. The Center is under the full-time direction of a registered nurse, and college physicians report daily to treat students requiring medical attention. Many competent private physicians in the Kansas City area are readily available. While the college provides no health or accident insurance, a voluntary insurance plan is available at additional cost to participating students.

Parents are encouraged to include college-age students in the family health plan.

Motor Vehicles

All motor vehicles, including motorcycles, should be registered through the Business Office. The parking and operation of vehicles is subject to safety regulations provided at the time of registration. Further information is contained in student and faculty handbooks.



STUDENT INFORMATION

ADMISSIONS

William Jewell College encourages applications from students who are serious about enrolling in a co-educational liberal arts college, and who have given indication in their secondary school experience that they are sufficiently mature to profit from and contribute to the college. Admission to William Jewell College is on a selective basis. Due to the limited number of spaces in the freshman class, students are encouraged to apply for admission early in their senior year of high school.

Requirements for Admission

Requirements for admission include scores from the American College Testing program (ACT), recommendation by the high school counselor or principal, and graduation in the top half of the high school class. It is strongly recommended that graduates from accredited high schools have 16 units of high school credit including English (4), mathematics (2), science (1), foreign language (2), additional credit (7).

Admittance is open to all students meeting these standards regardless of race, religion, creed or national origin.

Individual consideration is given to veterans and other mature applicants who may not meet all requirements. The college reserves the right to deny admission to any applicant whose academic history or personal qualifications are judged to be unsuitable for college work and living at William Jewell.

Early Admission

High school students demonstrating exceptional academic ability may take eight credit hours during the summer session following their junior year. Following

graduation and enrollment in William Jewell, the credit will be recorded on the official college transcript. Students attending William Jewell the summers following their junior and senior years in high school may enter college in September with 16 semester hours of college credit already earned.

Transfer Students

Applicants desiring to transfer from another college should request the last college attended to forward a transcript and statement of honorable dismissal to the Admissions Office.

Student credits will be accepted as they apply to the college curriculum offered at William Jewell College, provided the student presents an overall C average (grades below C in freshman English cannot receive credit at William Jewell College). Students permanently suspended from another institution can not be accepted. No more than 64 semester hours of work will be accepted from junior colleges, and a minimum of 30 semester hours must normally be completed in residence at William Jewell to meet degree requirements. Students transferring more than 60 semester hours are required to take the William Jewell College Writing Proficiency Test before registering for further courses.

Application Procedure

A candidate for admission is requested to submit:

1. A completed application for admission (available from the William Jewell College Admissions Office). A \$10 non-refundable fee must accompany each application before processing begins.
2. A copy of the high school transcripts or a record of credits from other post-secondary institutions.

EXPENSES

3. The report of results from the American College Testing program.

Resident Applicants

Individuals desiring to be resident students are required to post a room reservation deposit of \$50 within 30 days after notice of acceptance. The deposit must accompany applications submitted after June 1. While the submission of the deposit cannot guarantee residence hall accommodations, typically housing assignments are made in August and reflect the order in which deposits are received.

After June 1 room deposits for new students may be refunded only if the applicant is physically unable to enroll or if the college cannot provide residence hall space.

Once the student occupies a residence hall room, the \$50 fee becomes a damage deposit as well as a reservation deposit for the following semester. If a student intends not to return to the residence hall, she may request a refund at the Student Affairs Office. Where no damages have been assessed and all other financial obligations to the college have been satisfied, the deposit is refundable. A student notifying the Student Affairs Office prior to June 15 of her intention not to return in the fall will receive a full refund; between June 15 and August 1, a \$25 refund; after August 1, no refund.

EXPENSES

	SEMESTER	YEAR
Tuition and Fees	\$1,790	\$3,580
Room	345	690
Board	550	1,100
	<u>\$2,685</u>	<u>\$5,370</u>

Other estimated costs will vary on an individual basis. For most students they will not exceed these estimates:
Books and supplies \$300

Personal expense and transportation \$900

Students registering for more than 17 credit hours per semester pay \$80 for each credit hour above 17. However, this fee may be waived for up to two hours credit per semester if the excessive hours result from enrollment in the Chapel Choir (181-482), Concert Band (183-484), Symphony (185-486TR), Cardinal Brass (187-484), or Foundations courses. Students registered for fewer than 12 semester hours pay tuition at the rate of \$145 per semester hour.

Every effort is made by the college to avoid tuition increases. Nonetheless the college must reserve the right to alter tuition and/or other charges without notice.

Special Fees

Late registration	\$30
Late payment fee	\$30
Change of course after registration . .	\$ 5
Supervised Student Teaching	\$75
Graduation fee	\$35
Auditing any course, per semester hour	\$50
Credit by examination, per semester hour	\$15
Returned checks	\$10
Learning Skills	\$85

All accounts are due and payable for each semester on or before the first day of classes. Those who do not satisfy their financial obligations before the first day of classes may be charged a late payment fee. To be prepaid, accounts are to be settled on or before August 15 for the fall semester and on or before January 15 for the spring semester. Time payments may be arranged with the Business Office.

Music Fees

In addition to tuition charges, fees for private one-half hour music lessons and

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class music lessons per semester are assessed:

One lesson per week	\$ 55
Two lessons per week	\$110
Voice class	\$ 35
Piano class	\$ 35

Refund Policy

Tuition is credited for withdrawal for other than disciplinary reasons in accordance with this schedule:

Within first two weeks	80%
Within the third week	60%
Within the fourth week	40%
Within the fifth week	20%

Credits cannot be made after the fifth week. Cash refunds will be made on any overpayment upon request.

This schedule applies to students reducing registration to 17 credit hours or whose registration is altered from full-time to part-time classification (below 12 credit hours). All other fees and room charges are non-refundable. While students withdrawing during the semester may receive a 50% credit on their board on a pro rata basis, 50% of the board cannot be credited. If withdrawal results from protracted illness certified by an attending physician, the unused portion of the board paid in advance will be credited. Credits cannot be made when a student is dismissed for disciplinary reasons.

Willingness to assume financial responsibility is a mark of increasing maturity. Students whose accounts with the college are unsatisfactory are not issued grades, transcripts or diplomas. Room, board and other privileges may be suspended as a result of unsatisfactory student accounts. A low cost deferred payment program is available through Tuition Plan, Inc., or College Plan A or B. For further information, contact the Business or Financial Aid Offices.

FINANCIAL AID

While the cost of quality education is substantial today, any student possessing the necessary academic skills and motivation should not be denied an opportunity to attend college for lack of financial resources. Approximately 75% of the students attending William Jewell College receive some form of financial aid.

Eligibility for financial aid is determined on the basis of need, outstanding academic ability and/or special abilities. For most students, William Jewell College offers a financial aid package composed of one or more forms of financial aid to help meet the financial need. These are scholarships, grants, loans and work.

Students seeking financial aid on the basis of financial need must complete the William Jewell College financial aid application and the ACT Family Financial Statement (FFS) or College Scholarship Service Financial Aid Form (FAF). Where need is not a factor in the award (i.e., the Church Campus Award, academic excellence scholarships) the FFS or FAF is required only if aid is sought beyond the amount of the special grant. It is recommended, however, that all applicants file the FFS or FAF each spring.

Financial Aid Requirements

Standards of Satisfactory Academic Progress to Maintain Financial Aid Eligibility. In order to qualify for campus-based aid, students must complete 24-31 hours per year (including summer school) with a satisfactory grade point average of at least 2.0.

In order to maintain academic scholarships, valedictorians must complete at least 14 hours per semester with a grade point average of at least 3.5; salutatorians, 14

FINANCIAL AID

hours per semester with a grade point average of at least 3.25; and all other scholarship recipients, 14 hours with a grade point average of at least 3.0.

Full-time students (12 hours or more) are expected to complete graduation requirements within ten semesters. Work taken in excess of ten semesters will not qualify for student aid. If a student begins a semester as a full-time student, that semester is counted in the ten semesters allotted for student aid eligibility, even though the student becomes a part-time student during the semester.

Part-time students (fewer than 12 hours) are expected to complete graduation requirements within 16 semesters and may qualify for student aid for no more than 16 semesters.

Semesters during which a student withdraws after the fifth week of the semester will be counted in the total number of semesters for which a student is eligible to receive student aid.

No financial aid will be available for courses which are repeated in order to raise a grade. Hours for repeated courses will not be counted in the total number of hours in assessing whether a student is full-time or part-time in qualifying for aid. For example, a full-time student must be taking at least 12 hours in addition to courses being repeated.

Graduates who return for a second degree will not qualify for college aid.

Transfer students will be evaluated individually by the financial aid staff to determine the number of semesters for which transfers will be eligible for aid.

In the event a student fails to maintain satisfactory academic progress and loses

his financial aid, the student may appeal the decision and petition for reinstatement by contacting the dean of student affairs. The academic dean, the financial aid officer, and the dean of student affairs will serve as a committee to hear appeals and to make exceptions when advisable. This committee will determine the conditions under which student aid will be reinstated and define procedures by which students may satisfy the deficiencies that led to ineligibility.

Students typically will be limited to one major William Jewell grant as part of the financial aid package. Exceptions may be allowed by the financial aid policy committee.

Forms of Financial Aid

Scholarships and grants, assistance which does not have to be repaid, include: Academic Excellence Scholarships, Achievement Awards, William Jewell Merit Scholarships, Church Campus Awards, Christian Vocations Concessions, Acteen and Royal Ambassador Service Aids, Basic Grants (Pell), Missouri Student Grants (MSG), Nursing Scholarships/Grants, and Supplemental Educational Opportunity Grants (SEOG).

Loan assistance, which must be repaid, also is available: National Direct Student Loan (NDSL), Federal Nursing Student Loans, Guaranteed Student Loans (federal and state), William Jewell College loans, and various monthly payment plans.

Work opportunities are offered through college work/study programs, off-campus employment, and the Teacher's Aide Program in the public schools.

The current financial aid brochure, distributed by the Office of Financial Aid,

should be consulted for additional application procedures. Student consumer information is found in the official student handbook.

Endowed Scholarship Funds

James & Myra Abercrombie
 William W. Adams
 Agnes Atwood Estate
 Lon Amick Memorial
 Eugene Earl Amick
 Bailey Mem. Trust Fund
 W.B. Ballew (Ministerial)
 Katharin Barton Estate
 Mary Alice Barton
 Howard Tichenor Beaver Memorial
 Johnse Harrison Beck
 Belch Memorial
 James Ewart Bell Memorial
 Blenhard Fund (Ministerial)
 A.D. Blythe Estate
 James D. Borawski Memorial
 R.E. "Dad" Bowles Scholarship Fund
 Estate of Marion Bratcher (Ministerial)
 George Bridges Memorial
 Dutton Brookfield Memorial
 Samuel J. Brown Memorial
 James Browning
 W.P. & Cora Browning Memorial
 Bryant Memorial Fund
 George S. Bryant
 Margaret Elizabeth Bryant
 Pauline Bryant
 C.M. Buckner
 Carl Burkhardt Memorial Fund
 John & Elizabeth Burnham
 Nannie Burns
 Richard Bywaters
 William Bywaters
 Emma Campbell
 John E. and Emma J. Campbell
 U.S. Campbell
 J.L. Carmichael
 J.C. Carter
 E. Kemper Carter
 Centralia (Mo.) Baptist Church
 Lutie Chiles Scholarship
 Joe L. Clark

Class of 1908
 Class of 1913
 Class of 1943
 Max Clifton Scholarship
 Ida Coffman
 Harriett & Edna Cole
 Allen B. Colfry Jr. Memorial
 John Connett Memorial
 Charles Cooper
 Edra Cox Estate
 Emmeline Willis Cromwell
 William Crosswhite
 Crouch Family Memorial
 W.A. & Martha A. Crouch
 Mary B. Cunningham
 G.H. Cuthbertson Memorial
 Frank Davidson Memorial
 Gladys Davidson Memorial
 Debate Scholarship
 Jim Davis
 James & Mollie Deems Memorial
 Delmar Baptist Church-St. Louis
 James & Ruth Downing Memorial
 Helen Early
 James Eaton Memorial Award
 Frank G. Edson Scholarship Fund
 Mary Elliott Memorial
 W.F. Elliott (Ministerial)
 C.J. Elmore
 Benjamin & Martha Herndon Ely
 Frank Ely
 R.C. Ely
 Howard & Louise Emerson Memorial
 Donald Deppen Everett
 J. Everingham
 S. Fred Farrar
 Catherine Ferguson Memorial
 First Baptist Church (St. Joseph)
 Wesley Forbis
 Henry W. Gilliam Memorial
 Noah M. Given
 Ida & Mabelle Glenn
 Florence Gordon Hall & William Syd
 Gordon
 Mamie & William Gordon
 J.P. Graham
 Graham Baptist Church (Skidmore, Mo.)
 Cynthia Graves (Ministerial)
 Mrs. J.R. Green
 John Green (Ministerial)
 Tom M. Griffiths
 Terry Hale Memorial
 Amanda Harbaugh

FINANCIAL AID

William Harris Memorial
 P. Caspar Harvey Memorial
 Glenn Hendren Scholarship
 Johanna Nordman Herget Memorial
 John F. Herget
 John Minor Herget Memorial
 Donald Herman
 Bessie Hill Estate
 Wallace A. Hilton
 Charles Hoffman Memorial Scholarship
 Fund
 Mr. and Mrs. L. Lynn Hogue
 William Holcombe
 E.W. Holzapfel
 Cloice R. Howd Memorial
 Humphrey
 Elizabeth Price Johnson
 Ray & Margerite Johnson
 Judson Jones Memorial
 Minetry Jones
 Florence King Estate
 Thelma Olney Kite Memorial
 Kansas City—BYPU
 Edna Kuntz
 Paul Lambert Memorial
 Vicki L. Landman Memorial Fund
 Debra S. Layman Memorial Scholarship
 Jennie Lee Memorial
 Sam Leimkuehler Estate
 A.R. Levering
 Lydia Lovan
 William Luce
 Nelson E. McCoy Mem. (Ministerial)
 Bella Gibbs McCrory Trust
 Luke McCrory Estate
 Foster B. McHenry Scholarship Fund
 Robert McKee
 J.P. Mabrey Memorial Fund
 Cecil Martin Memorial
 Maryville Baptist Church
 Mayview Baptist Church
 Thomas Melvin (Ministerial)
 G.T. Millen
 William Johnson Montgomery
 H. Guy & Myron Moore
 Milton Morales
 James M. Motley Award
 Leola Mulvania Scholarship Fund
 Mr. & Mrs. Merwien Murphy
 William C. Nelson Mem. Scholarship
 Harris Newman

Northeastern
 Capt. Bower Reynolds Patric Memorial
 Norris Patterson Scholarship
 Garnett Peters
 Mary B. Peters Memorial
 John Pew Memorial
 Ethyl Potter Memorial
 Mrs. Albert Reeves
 Reynolds Ministerial Fund
 Richmond High School
 Roy Roberts
 A.M. Robertson
 Mrs. J.B. (Maud) Robinson
 Wm. James & Susie Robinson
 Rodewald/Brown Award
 Roselle Estate
 Bessie G. Ross Estate
 Albert Rowell
 D.G. Rowland Chemistry Award
 Robert Rude
 Sewell & Wilmetta Scott
 William Senter
 Catherine, Janet, John Sillers
 Ben Simpson
 J. Neil Smith Memorial
 Lorna Lavery Stafford Estate
 Lola Stamper Memorial
 Carol Thomas Memorial
 Alexander Trotter
 Martha F. Trotter
 Richard E. Turner
 United Daughters of the Confederacy
 William Volker
 Estella J. Wachter
 Wakai Memorial Scholarship
 Dr. Wald Scholarship
 Anita Ward Nursing Scholarship
 Judge Richard E. Watson Memorial
 Alma Welch Memorial
 Wm. Widner Memorial (Ministerial)
 William Jewell College Music
 Achievement (Leonard Howell)
 William H. Williams Sr.
 W.J. Williamson
 A.F. Witzel Scholarship
 Woman's Committee of William Jewell
 College
 John Wornall
 Wyatt Park Baptist Church
 William F. Yates Scholarship
 Z.W. Zentmeyer

Designated Scholarships

American Business Women's Association
Arnote Foundation
Baskett Memorial
Pat Cartwright Scholarship Fund
Council of Clubs
Frank Davidson Scholarship
Fellowship First Baptist Church, High Ridge, Mo.
First Baptist Church of Grandview
First Baptist Church of Independence
First Baptist Church of Richmond
First Baptist Church of Savannah
Foreign Mission Board
Sherman Fuller (Arkansas Baptist Foundation)
P. Caspar Harvey Achievement Scholarship (Amery)
H.I. Hester (Liberty Hospital)
Hirsch Foundation
Junior Achievement
Ray and Mary Klappmeyer
John Sublett Logan Scholarship Fund
MFA Foundation
Margaret Fund
Dr. James Martin
Missouri Baptist Convention
McGlothlin Trust
National Merit Scholarship
New Haven Baptist Church
Opdyke-Education Commission of SBC
Thomas Paul Fund
Harriett Pearson Scholarship
Rotary International District
Southern Baptist Annuity Board
Southwestern Bell Telephone
Grace Still
Ed Watkins

Church Ministries Practicum

The church ministries student is eligible for a \$750 grant-in-aid each academic year. The student qualifies for the grant when the director of the Center for the Christian Ministry receives notification from the local church that the student is pursuing a church related vocation. This grant is subject to the rules and the regulations governing financial aid.

Awards Convocation

Each year during an Awards Convocation outstanding students are recognized and given appropriate awards and honors. The highest award is the Faculty Award, presented to a student who has spent his or her entire undergraduate career at William Jewell and who has a grade point average of 3.75 or higher. It is awarded on the basis of academic achievement and exemplification of the highest ideals of a liberal education at William Jewell College.



ACADEMIC REGULATIONS

Academic Standards and Integrity

It is the student's responsibility, ultimately, to know and comply with catalog regulations governing admission, registration, retention, withdrawal, degree plans, graduation requirements, payment of tuition, etc.

The college subscribes to policies designed to ensure acceptable standards of scholarly activity and to enhance the value of the William Jewell degree:

1. Degrees are awarded to students who have satisfied the entrance requirements, completed 124 semester hours of college work as specified in the catalog and the Program of Personal Achievement, completed a Winterim course in each year of full-time study at the college, and earned a C average for all work attempted. Students who transfer into the college must earn a C average for all work attempted at the college as well as a cumulative C average on all work attempted. Each student must pass a writing proficiency test before receiving permission to register for any hours beyond 60.
2. Each student will complete the requirements for graduation in the catalog in effect on the date of college entrance. If a subsequent decision is made to follow a later catalog, through a bonafide change in major or for other causes, the requirements in effect at that time must be met. A student who returns after an absence, and who has not graduated, may expect to be required to change to the requirements set forth in later announcements. The dean of the college will assist in such cases. The curriculum of the college is under continuing development, and a given catalog cannot constitute a contract with the student. Every effort is made, however, to achieve fair and reasonable adjustment for students affected by curricular change.
3. Satisfactory completion (with a grade of C or higher in each course) of not fewer than twenty-four hours in the area of concentration is required for graduation. Students who transfer into the college must complete in residence a minimum of twelve hours in the area of concentration. Majors in elementary education and music education must meet certification requirements, as stated in the respective departmental listings in this catalog.
4. Credit earned in English 100, Communication 100, the required religion course, and Physical Education 100, all part of the General Education program, does not apply to the requirements in the area of concentration. A course applying toward the major may also apply toward one general requirement.
5. Students must meet the specific requirements in their area of concentration, including successful completion of a minimum of two courses in "Writing Program" courses.
6. Students who expect to graduate must file an "Application for Graduation" with the registrar at the fall registration of their senior year; this includes candidates for the following summer.
7. Any senior student who has completed all requirements for graduation except eight semester hours of elective credit or less may, with the permission of the dean, do this work *in absentia*. This may be done by correspondence from a reputable institution, or in residence in a college or university of recognized standing. Such a student may participate only in the graduating exercises of the class following the completion of the work. The last year's work for graduation (minimum 30 semester hours) must be done in residence at William Jewell, except as here provided.
8. Students who complete 124 hours or more with a grade point average below C, with permission of the dean, may attempt an additional semester of work to meet the requirements for graduation.
9. The college may accept for graduation up to ten semester hours of credit from an

ACADEMIC REGULATIONS

institution of recognized quality which maintains a regularly organized correspondence department. No credit can be allowed by correspondence toward a major except by the prior consent of the head of the department and approval of the dean. A maximum of thirty semester hours of correspondence and extension work combined may be accepted.

The college informs students of their academic progress by issuing formal reports each semester. However, students assume the obligation to be knowledgeable of their academic status and of the academic regulations which are stated in this catalog.

Students are expected to accumulate at least two grade points for each credit hour attempted each semester. Students with overall academic averages below 2.0 are considered on academic probation. At the end of the first five weeks of each semester, the dean receives a report of all students who are doing unsatisfactory work.

To remain in the college the student must achieve:

A grade point ratio of 1.5 at the end of the second semester;
A grade point ratio of 1.75 at the end of the fourth semester; and
A grade point ratio of 2.0 at the end of the sixth semester.

Grading and Grade Points

Grades are expressed by the letters A, B, C, D, F, PR, W, WP and WF. The first four letters indicate grades ranging in order from 100 percent down to 60 percent. F means failure. PR means in progress. WP means withdrew passing, WF means withdrew failing.

Each grade has a grade-point value as

follows: A, 4 grade points per credit hour; B, 3 grade points per credit hour; C, 2 grade points per credit hour; D, 1 grade point per credit hour; F, 0 grade points per credit hour. Scholastic averages are computed upon the basis of hours attempted and the total number of grade points earned. For graduation, the total number of grade points must be two times the number of hours attempted (or an average of C).

A student may elect or a department may require its majors to repeat courses in which the grade earned is D or F. When such courses are repeated and a satisfactory performance recorded, only the repeat grade will be used in determining the grade point average. The D or F remains, however, a part of the permanent record without being considered in grade point computation.

The mark I (for incomplete) may be given in any regular course in which, owing to extenuating circumstances such as serious injury or lengthy illness, a student has been unable to complete the requirements of the course. The student must complete the requirements of the course within the succeeding semester. Failure to do so, without a written contract between instructor and student and approval of the dean, will result in a grade of F.

In independent activity courses (directed study, directed reading, research, etc.), the mark PR (for progress) may be used at the end of a semester in which the student has made progress in his project but has not completed it. The student must complete the work within the succeeding semester. Failure to do so, with a written contract between instructor and student and approval of the dean, will result in a grade of F.

Student Classification

Students are classified on the basis of the number of accumulated credit hours:

ACADEMIC REGULATIONS

Freshman	1 to 23 semester hours
Sophomore	24 to 59 semester hours
Junior	60 to 89 semester hours
Senior	90 to 124 semester hours

Advanced Placement and Credit

William Jewell College offers advanced placement in cooperation with the College Entrance Examination Board. On presentation of acceptable examination scores, a student may receive advanced placement with or without credit in specific disciplines.

Credit and advanced placement are also granted through the College-Level Examination Program (CLEP) and through departmental examinations. Freshmen entering William Jewell College directly from high school are not granted credit for CLEP general examination results; however, they may sit for as many subject examinations for credit as they wish. Entering freshmen who have delayed college entrance by as much as three years since high school graduation may take both CLEP general and subject examinations for credit.

The college imposes no limit on the amount of credit a student may earn by examination, although one year of residency is required for a degree from William Jewell College. Such is recorded on the student's transcript without a letter grade and with the notation "Credit by Examination."

High school students demonstrating exceptional academic ability may earn up to sixteen credits prior to entry as a college freshman through the "Early Admission" program described in the "Admissions" section in this catalog.

Pass-Fail Option

The pass-fail option encourages students to

attempt courses of interest which would normally be avoided because of lack of background. Any sophomore, junior, or senior in good academic standing may elect to take one course per semester under the pass-fail option with the following limitations:

1. No more than 20 pass-fail hours;
2. No course in the major or area or concentration;
3. No course specifically required for graduation;
4. No course being taken to meet the requirement of a block or group;
5. No course required for teacher certification or pre-professional preparation.

Grades of P or F received under this option will not be included in computing the grade point average, but credit earned will apply toward graduation. Students elect this option at enrollment with the registrar's office and can change it only during the normal time allowed for a change in courses—*before the end of the second week of classes.*

Honors

The Honor Roll for each semester will include the names of students who have carried a program of fourteen or more semester hours, have no grade lower than C in any subject, have no incompletes, and have achieved a minimum grade point ratio of 3.5.

A student who completes the work for the degree with as many as 3.9 grade points for each hour attempted is graduated *Summa Cum Laude*, and this is cited with the degree. A student who completes the work with a ratio between 3.75 and 3.89 is graduated *Magna Cum Laude*, and this is cited with the degree.

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The student who wants an added challenge of academic excellence may seek graduation with honors or achievement. Eligible students must have a minimum grade point average of 3.5 at the time of graduation and have completed A level work on a special research or creative project over two or more semesters in a concentrated area.

Students planning to pursue an honors project should declare that intent in writing to the chairman of the Honors Council no later than the second week of the second semester of their junior year. Additional information may be obtained by contacting the academic dean or the chairman of the Honors Council.

Registration

Students may register at the beginning of either semester, at the beginning of the summer school, or at pre-registration periods. For specific dates and times of registration for first and second semester and the summer school, students should refer to the college calendar in this catalog. Registration, including settlement of all charges at the business office, must be completed by the date listed in the calendar or be subject to the late fee.

Students enrolling for the first time may have the privilege of registering as late as two weeks after the beginning of classes by obtaining the dean's permission. This provision does not cancel the extra fee for late registration or late settlement of charges.

Changes in Courses

Changes in a course of study are *not allowed after the second week* from the beginning of a semester, which is calculated from the *first day classes begin*. Exceptions may be made on the recommendation of the college physician or the head of the department in which the

student is majoring. No course may be *added* after the second week following the *day classes start* after registration.

Unless a demonstrated error has been made in the student's advisory program, all changes in courses are assessed a charge of \$5 for each change in schedule after registration.

Students who desire to change their major field, once this has been formally declared, should have the concurrence of the heads of the departments concerned before any change is made.

The college reserves the right to discontinue any section in any course in which the enrollment is not sufficient to justify its being held. This decision rests with the dean of the college. Generally, sections with fewer than six registrants will not be maintained.

Dropping Courses

Students may drop a course anytime through the last regularly scheduled class meeting time unless the faculty member has specified in the course syllabus an earlier deadline date for withdrawal.

If a course is dropped during the first four weeks of the semester, no record will appear on the transcript. From the fifth to eighth week, W will appear on the transcript; after the eighth week, WF or WP will appear, as appropriate.

Withdrawal

Students wishing to withdraw from college for any reason must file the official withdrawal form provided by the Office of Student Affairs. Improper withdrawal will result in a grade of F for all courses.

Transfer to Another Institution of Higher Education In Missouri

Missouri institutions of higher education welcome transfer students; however, students should be aware that actual requirements for degrees vary from institution to institution. This factor makes it particularly important that students who plan to transfer make contact with the campus where they eventually wish to graduate very early in their academic career. By arranging in advance for appropriate courses to be taken prior to transfer, it is likely that problems can be minimized. The dean's office or admissions office can help contact the institution to which the student might transfer if assistance is needed.

Summer School Credit

Students desiring to take work at other institutions during the summer months should coordinate plans in advance with their advisor or Personal Advisory Committee. Written approval from the dean of the college, secured in advance, is necessary to assure acceptance of summer transfer credit by William Jewell College. Once a student has completed 64 hours, she may not transfer work from a community or junior college.

The Library

The library plays a vital role in the

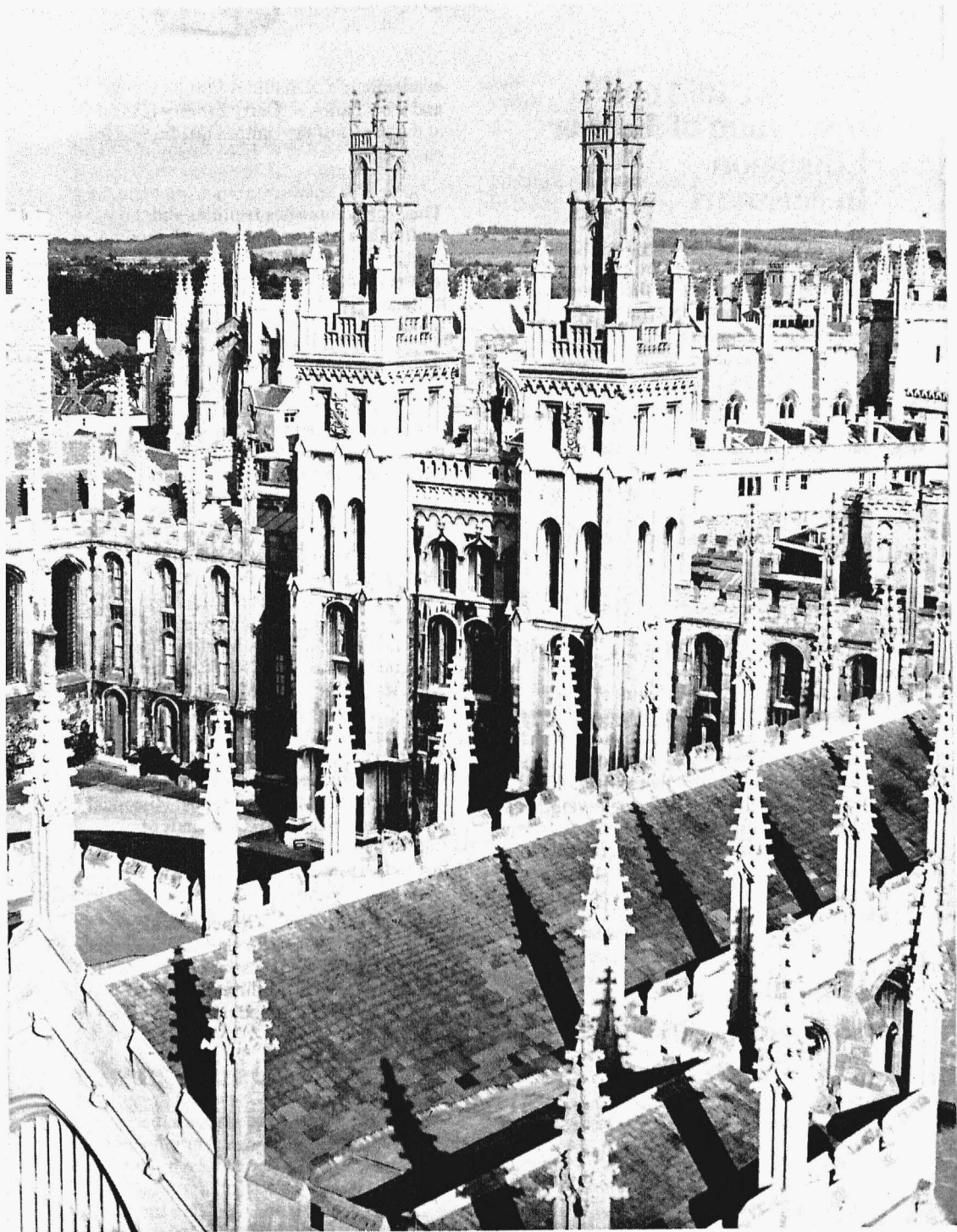
academic life of William Jewell College, and the Charles F. Curry Library is located at the center of the campus quadrangle for easy access.

The library furnishes facilities and materials for reference, research, and independent study. The open stack system allows students to browse through a collection of over 136,000 volumes and 600 periodicals, with thousands of government documents and new volumes added annually.

A staff of professional librarians instruct in the use of all materials in the thoroughly equipped facility.

The Charles F. Curry Library is a four-story colonial style brick building with seating capacity for 500 students. Collections include the private library of Charles H. Spurgeon, the great English preacher; the Dr. Louis Mertins Collection of signed manuscripts, first editions, and holographs; the "Ted Malone Collection of Poetry"; the famous "Hubmaier Collection" of the great Anabaptist reformer; and the Center for Baptist Historical Studies, sponsored by the college and the Missouri Baptist Historical Society, a collection of thousands of Baptist papers and other important historical material.

A Learning Resource Center provides audio visual services for the entire campus, and the library has access to other libraries throughout the nation through special telephone, computer and postal connections.



Oxford University is the site of one of Jewell's overseas study programs.

COURSES OF STUDY/FOUNDATIONS

COURSES OF STUDY

Courses in the college are organized by academic departments, or disciplines, with an increasing number of courses offered along interdisciplinary or cross-departmental lines. Students may choose from twenty-five conventional areas of concentration, "majors," or they may design an area of concentration in consultation with their advisor or Personal Advisory Committee, using the resources of one or several academic departments.

Some examples of self-designed curricula are noted in the section on Curriculum, in this catalog. Conventional majors include accounting, art, biology, business administration, chemistry, communication, data processing, economics, education, elementary education, English, French, history, international relations, mathematics, music, nursing education, philosophy, physical education, physics, political science, psychology, public administration, religion, sociology, social research and Spanish.

Students choosing an area of concentration, whether conventional or non-traditional, will need to see that it meets certain guidelines:

1. It must have an inner logic and coherence based on clearly-stated principles of organization. Students must articulate these principles in writing for their advisor or Personal Advisory Committee and summarize them in the program booklet. The coherence should be easy to establish in traditional departmental majors, though even here it should be thought out and written so that the principles of organization are clear. In a non-traditional major these principles will be especially important to the validity of the program.

2. It must be clearly-defined in scope so that it is not excessively broad or narrow.

3. It must take into account outside requirements that may affect the student's goals: teacher certification, graduate school admission, and the like.

4. It must take into account the language or competency requirements associated with the proposed area of concentration. These requirements will be established in the same manner as specific course requirements for the area.

The college reserves the privilege of adding courses or of omitting courses for which demand is insufficient to justify offering. Credit for courses is indicated in semester hours. Courses in the series 300 and 400 are primarily for juniors and seniors. The official schedule of classes is presented in a printed sheet distributed at the beginning of each semester.

With the written approval of the instructor, the department chairman, and the dean of the college, any courses herein listed may be offered for fewer than the number of credit hours indicated.

Foundations

Professor Shannon, Coordinator. There is no separate faculty for Foundations courses, which are taught by members of many departments.

The six Foundations courses make up the **Core of Studies in Public and Private Decision Making** of General Education Program II. As units of the Integrated Curriculum, which is informally known as "the Foundations program," these courses are open only to students fulfilling their general education requirements through Program II. They may not be taken by other students.

Admission to the Foundations Program. Approximately sixty students—forty freshmen and twenty sophomores—are

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admitted into Program II each fall.

Entering freshmen and sophomore transfers may apply for the program by marking the general education choice form provided by the admissions office with pre-registration materials. Application forms are circulated before spring pre-registration to second-semester freshmen who wish to begin the program in the fall of the sophomore year. Applications for other occasional empty spaces will be considered on an individual basis.

Withdrawal from the Program.

A Foundations student who decides that Program I would better serve his or her needs may transfer general education hours from Program II into Program I after successfully completing FN 100 and 210. However, the student should expect to complete the Program I requirements through available departmental courses, without independent studies or other special arrangements to complement either the content or the credit hours of Foundations courses. A student who wishes to withdraw must have an exit interview with the program coordinator and then submit a written request for withdrawal. A student who fails to complete a Foundations course successfully may be withdrawn from the program.

Majors, Pre-Professional Studies, Teacher Certification. The Foundations program combines well with most major programs of the college, including those preparing students for law or medical school or other graduate or professional studies. The program includes all the general education requirements for primary and secondary teacher certification.

Overseas Study and Three-Year Programs. The Foundations program can be completed in three years by students going overseas for a year or taking other three-year programs.

The Courses. Although the Foundations

courses are integrated units, not bits and pieces of other programs, equivalent hours are included in each description so that the correspondence of hours in Programs I and II is evident.

100. Problems, Choices and Values: An Introduction to the Integrated Program.

4 cr. hrs.

Study of decisions and their relationship to values. Introduction to ethics and values theory. Examination of a present-day issue posed by scientific activity and involving both public and private decision making. *Prerequisite to all other Foundations courses.* Fall semesters. (Equivalent of 2 hrs. Mathematics and Natural Sciences distribution and 2 hrs. Humanities distribution.)

210. Private Decision Making for Present and Future Selves.

4 cr. hrs.

Study of theories of individual human development. Examination of the decisions characteristic of each stage of life, especially those of early adulthood—decisions about self, sexuality, marriage and family life, work. Study of literary works portraying decisions of all stages for imaginative and affective insight. Spring semesters. (Equivalent of 2 hrs. Social Sciences distribution and 2 hrs. Humanities distribution including literature.)

220. Public Decision Making in America.

6 cr. hrs.

Study of a contemporary American issue or problem demonstrating the participating of citizens in the public policy decisions of a technological society. Problems vary from year to year, including such subjects as energy, water, etc. Study of the issue will be the focus for learning important general principles of the disciplines involved. The emphasis will always be on the processes of decision making and acquisition of knowledge, not on particular answers to the chosen problem or issue. Study of the scientific, technological, environmental, economic, and political values involved; analysis of potential ethical conflicts;

exploration of methods of solving conflicts or choosing among values; study of basic scientific principles related to understanding of the issues; scientific method applied in the laboratory. Fall semester 1982; spring semester 1984. (Equivalent of 4 hrs. Mathematics and Natural Sciences distribution including laboratory science [2 hrs. biological science and 2 hrs. physical science] and 2 hrs. Social Sciences distribution.)

230. Christian Heritage and Western Culture: Foundations for Formation of Values. 6 cr. hrs.

Historically organized study of varied cultural models of the past, stressing the public and private decisions which characterized these models and the values expressed in these decisions. At least one model provided by study of the Bible. Study will involve some of the great ideas, books, and works of art of Western civilization. Spring semester 1983; fall semester 1983. (Equivalent of 2 hrs. religion [Old and New Testaments], 2 hrs. Social Sciences distribution, and 2 hrs. Humanities distribution including literature.)

240. American Decisions and Developing Nations. 4 cr. hrs.

Study of selected events and issues in American history in comparison and contrast with events and issues in developing nations, with focus on one developing nation or on several as a group representing the characteristics of all. Emphasis on the comparison/contrast of the decisions and values of presently developing nations and those of our American past and present, on decisions developing nations pose for American policy. First offered fall semester 1983. (Equivalent of 2 hrs. Social Sciences distribution [American history] and 2 hrs. Humanities distribution.)

400. From Present Problems to Chosen Futures: A "Capstone" Course for Seniors. 4 cr. hrs.

A "mirror" of Foundations 100. Combines

units on values theory and clarification and Christian ethics with decisions which science and technology present to individuals and to society. Emphasis on skills and concepts of analytical reasoning. Prerequisite: successful completion of all other Foundations courses. To be taken during the last year of residence at the college, except with permission of the program coordinator. First offered spring semester 1984. (Equivalent of 2 hrs. religion and 2 hrs. Mathematics and Natural Sciences distribution.)

Docents. Docent activities in Foundations 100 and 210 allow selected upperclassmen to act as peer tutors for the freshmen and sophomores enrolled in those courses. The particular activities will be specified in each course syllabus and will be carefully worked out among the docents and the supervising course instructors, but each docent will work with a small group of students in the course, leading some discussions, holding some individual conferences, and serving as a model of intellectual rigor in approaching the issues raised by the course materials. Docents need not necessarily be honor students, but should be juniors or seniors in good academic standing who can accept responsibility and who respond to intellectual challenge.

Docents will be selected by the instructors and the Foundations program coordinator on the basis of written applications and interviews. Six to twelve docents will be selected for each section of each course. Interested students should request application forms from the Foundations program coordinator. Applications must be submitted at least 6 weeks before preregistration.

For elective credit only. Since docents will be expected, as a matter of course, to work at a consistently high level of quality, grading will be simply pass/fail.

Foundations Practicum 401. Practicum for

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docents in Foundations 100. Fall semesters. 2 credit hours.

Foundations Practicum 402. Practicum for docents in Foundations 210. Spring semesters. 2 credit hours.

Art

Professor Johnson, chairman.

Major: 36 hours. Specifically including Art 203, 250, 251, 303, 325, 450. Students completing a second major in art must also complete the General Education requirements for the bachelor of arts degree.

Students majoring in art may receive certification to teach art in grades 7-12 in the State of Missouri by completing the General Education, Professional Education, and Teaching Field Requirements outlined in the *Student Handbook for Teacher Certification*, available in the department of education office.

103. Ceramic Design. 4 cr. hrs.
Hand constructed and wheel thrown pottery. Basic glazing techniques.

125. Drawing and Painting. 4 cr. hrs.
Basic drawing and painting techniques.

203. Visual Design. 4 cr. hrs.
Basic composition; color. Essentially 2-dimensional with various materials. First semester, 1982-83.

225. Drawing and Painting. 4 cr. hrs.
Advanced drawing; oil painting techniques. Second semester. Prerequisite: Art 125.

250. Art History. 4 cr. hrs.
Survey of prehistoric through 14th century. First semester.

251. Art History. 4 cr. hrs.
Survey of 15th century up to and including

20th century. Art 250 recommended but not required. Second semester.

303. Sculptural Design. 4 cr. hrs.
Three-dimensional and sculptural design. Second semester, 1982-83.

312. Printmaking Studio. 4 cr. hrs.
Basic techniques and experiments. Prerequisites: Art 125, 203. First semester, 1983-84.

325. Drawing and Painting. 4 cr. hrs.
Advanced painting. Prerequisites: Art 225, 203. Second semester.

149, 249, 349, 350, 449, 450. Special Techniques. 2 cr. hrs.
Includes but not limited to calligraphy, airbrush, fibers, figure drawing, jewelry, photography, sculpture, water color, as student demand and faculty availability allow course to be offered.

Biology

*Professor Wagenknecht, chairman;
Associate Professors Dilts, Newlon;
Assistant Professor Mark.*

Major: Thirty hours of biology and a minimum of eight hours of chemistry and eight hours of physics. Only grades of C or better will be accepted as satisfying these requirements.

Requirements: (1) Courses: Biology 151, 152, 346, 405, 408, and 403 or 409. The major must complete an independent laboratory or library research project or take a senior comprehensive examination; (3) The major must take the Graduate Record Examination in the first semester of the senior year.

Biology 238 and 239, Human Anatomy and Physiology, may not be taken to satisfy any of the thirty hours of biology required of a major.

Students who have not made a C or higher

in Biology 151 will not be encouraged to continue. Courses in biology taken in preparation for professional schools or graduate programs may not be taken pass-fail.

Students majoring in biology may receive certification to teach biology in grades 7-12 in the State of Missouri by completing the General Education, Professional Education, and Teaching Field Requirements outlined in the *Student Handbook for Teacher Certification*, available in the department of education office.

Non-majors: The following courses are intended to meet distributional requirements for non-majors in the area of Mathematics and Natural Sciences. All are laboratory science courses. Biology 107—General Biology; Biology 108—Contemporary Biology; and Biology 212—Heredity and Society.

107. General Biology. 4 cr. hrs.
An introduction to the methodology and fundamental concepts of the biological sciences. Intended for those students who do not plan to major in biology or a related area. Methodology of teaching is audio-tutorial. Students intending to major in biology, nursing, or other pre-professional areas should enroll in Biology 151. First semester.

108. Contemporary Biology. 4 cr. hrs.
Active discussion of a biological viewpoint is used to investigate such subjects as ecology, environmental pollution, population, birth control, diseases, cancer, drugs, and other current subjects. Methodology of teaching is audio-tutorial. Not open to majors. No prerequisites. Second semester.

151. Zoology 4 cr. hrs.
An introductory study of the animal kingdom with emphasis on animal form, function and diversity. Intended for students majoring in biology or a professional field related to biology.

Required of all biology majors as a prerequisite for upper level courses. First semester.

152. General Botany. 4 cr. hrs.
A study of the biology of plants. Special emphasis will be placed on physiological and structural processes as they relate to the plant kingdom in its traditionally recognized limits. Prerequisite: Biology 151 or permission of the instructor. Required of all biology majors. Second semester.

205. Plant Morphology. 4 cr. hrs.
A study of the structure, life histories and taxonomy of the algae, fungi, bryophytes and lower vascular plants. Prerequisites: Biology 151 and Biology 152 or permission of the instructor. Alternating years. First semester, 1983-84.

212. Heredity and Society. 4 cr. hrs.
A course dealing with the social implications of heredity, particularly in such areas as human genetics, behavior, medicine, race, evolution, etc. This course is not intended for biology majors and is open to sophomores, juniors, or seniors having no more than one semester of biology, or by permission of the instructor. Second semester.

221. Microbiology. 5 cr. hrs.
Study of the structure, physiology, genetics, taxonomy and ecology of bacteria and viruses. Prerequisites: Biology 151 or equivalent; Chemistry 101 or 102 or equivalents. First semester.

226. Invertebrate Zoology. 4 cr. hrs.
An introduction to representative invertebrate animals. Offered upon demand.

238. Human Anatomy and Physiology. 3 cr. hrs.
An introduction to the study of form and function of the human body. Emphasis will be placed on the musculoskeletal, nervous, transport and respiratory systems. Prerequisite: Biology 151 or equivalent. Does not apply toward major in biology. First semester.

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239. Human Anatomy and Physiology.

3 cr. hrs.

This course is a continuation of Biology 238. Emphasis will be placed on the digestive, energy, metabolism and the urinary and reproductive systems.

Prerequisites: Biology 151, Biology 238.

Does not apply toward major in biology. Second semester.

241. Comparative Anatomy.

4 cr. hrs.

The study of the gross structural organization of representative vertebrate species. Prerequisite: Biology 151 or equivalent. Second semester, alternating years.

251. Entomology.

4 cr. hrs.

The structure, classification and economic relationships of the major groups of insects. Prerequisite: Biology 151 or equivalent.

Alternating years. First semester, 1982-83.

301. Environmental Field Studies.

2-6 cr. hrs.

A field study of environments distinct from those found in the Midwest.

324. Embryology.

4 cr. hrs.

The study of patterns and mechanisms of vertebrate embryonic development.

Prerequisites: 8 hours of biology; Chemistry 101 and 102 or equivalent.

Alternating years. Second semester, 1983-84.

325. Histology.

4 cr. hrs.

The study of the microscopic anatomy and function of vertebrate tissue and organs.

Prerequisites: 8 hours of biology; Chemistry 101 and 102 or equivalent.

Alternating years. Second semester 1982-83.

333. Plant Taxonomy.

4 cr. hrs.

An introduction to the identification and classification of vascular plants. Second semester.

335. Animal Taxonomy.

2-4 cr. hrs.

A study of the taxonomy and natural history of local fauna. Prerequisite: Biology 151 or equivalent.

335a. Reptiles and Amphibians.

2 cr. hrs.

7 weeks. Alternating years. Spring 1982-83.

335b. Mammals.

2 cr. hrs.

7 weeks. Alternating years. Spring 1982-83.

335c. Fish.

2 cr. hrs.

7 weeks. Alternating years. Spring 1983-84.

335d. Birds.

2 cr. hrs.

7 weeks. Alternating years. Spring 1983-84.

345. Immunology.

2 cr. hrs.

A study of the cellular and development biology of the vertebrate immune system including the biochemistry, genetics, and pathology of the system.

346. Genetics.

4 cr. hrs.

Mendelian and molecular genetics.

Prerequisite: Biology 151 or equivalent.

Open to juniors or seniors or by consent of instructor. Second semester.

398, 399, 400, 401. Problems in Biology.

1-3 cr. hrs.

Opportunity for the junior and senior major to do advanced work on some phase of biology. Total credit not to exceed six hours. Prerequisite: consent of head of department. By arrangement.

403. Plant Physiology.

4 cr. hrs.

A study of the principle physiological processes in plants, including water relations, food synthesis digestion, translocation, respiration, and growth.

Prerequisites: Biology 152; one year of chemistry. Alternating years. First semester, 1982-83.

405. Recent Advances in Biology.

2 cr. hrs.

A first semester senior seminar required of all majors.

408. Ecology.

4 cr. hrs.

The study of the factors governing the relationships among flora, fauna, and

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environments. Prerequisites: junior-senior level with a minimum of 12 hours in biology. It is strongly recommended that the student have had a taxonomy background either in botany or zoology. Alternating years. First semester, 1982-83.

409. Comparative Physiology. 4 cr. hrs.
The study of the structure and function of cells. Prerequisites: 12 hours of biology, Chemistry 101 and 102 or equivalent, organic chemistry recommended. Alternating years 1983-84. First semester.

Nutrition

307. Nutrition. 2 cr. hrs.
A study of the basic principles of normal nutrition and the application of these principles to the nutritional requirements at various departmental levels. This course is primarily for nursing majors. Prerequisite: Chemistry 102.

British Studies

Because of the great value of the English tradition in our governmental forms and practices, in our literature, and in our culture more generally and because of William Jewell College's close ties to the Harlaxton Study Center and to colleges at Oxford and Cambridge Universities, an interdisciplinary major which focuses on British studies is a natural liberal arts major. The following courses are especially recommended from the William Jewell curriculum, to be combined with courses taken in England; the major ends in a bachelor of arts degree and must include 24 credit hours but no more than 40.

Strongly recommended as electives are these courses:

History 101 and 102, Western Civilization

Art History 251, 15th through 20th centuries

French, 12 or more credit hours (or French proficiency commensurate with 12 credit hours)

Required for the British Studies major:
English History (e.g., History 223)

4 cr. hrs.

Introductions to the Study of Language (e.g. English 300)

5 cr. hrs.

Survey of English Literature (e.g. English 400 & 410)

8 cr. hrs.

It is required that the British Studies major study for an entire year, preferably the junior year, in England. While there, he should take tutorials or courses on specific English history or literary subjects.

In addition, the British Studies major might elect to do an Honors Project in a specific area of study, such as The Industrial Revolution or English Church Music of the Twentieth Century or Karl Marx's Impact on British Christian Denominations.

The British Studies major will take an independent study, British Studies 450 (4 to 6 credit hours), in his final senior semester; this experience will have as its chief purpose the synthesizing of his work in the major program. An advisory committee will coordinate and direct the Interdisciplinary Major in British Studies.

450. Individual Project. 4-6 cr. hrs.

The British Studies Individual Project will be an independent study of tutorial with a broad and significant topic designed to cause the student to synthesize her work in the Interdisciplinary Major in British Studies. Examples of such a topic are: The Concept and Forms of Freedom through English History; Images of the English Monarch; The Agrarian Experience; The English Worker's Self-Concept through History; The Effects of the Local Church Architecture on the Common Man in English Towns and Cities; Stained Glass, Organ Tones, Change Ringing, and Liturgy in England Since 1660. The student will prepare her topic with extensive reading and will write a paper, include bibliography. The course could be fulfilled as part of an Honors Project if all of the above stipulations are also met.

CHEMISTRY

Chemistry

Professor Dixon, chairman; Assistant Professor Lane.

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Major: Twenty-four hours of chemistry are required. Chemistry 101 is excluded from the courses that are counted for the major. Chemistry 101-102 or 105, 206, 301, 302, 401, 402, Math 199-202 and Physics 213 and 214 are recommended for professional preparation. Chemistry 101-102 or 105, 301, 302, Math 199-200, Physics 111-112 or 213-214 and Biology 151 are required courses for those fulfilling the pre-medical background. Chemistry 401-402 is recommended as desirable background at many medical schools. The chemistry major will be completed with credit from other chemistry courses of the student's choice. Freshman students are advised at the start of each school year as to which introductory course—101, 102, or 105—they should take in order to make maximum use of their chemical backgrounds. Chemistry 101-102, 102 alone or 105 where proficiency in Chemistry 101 has been demonstrated meets the requirements of the nursing department.

Students majoring in chemistry may receive certification to teach chemistry in grades 7-12 in the State of Missouri by completing the General Education, Professional Education, and Teaching Field Requirements outlined in the *Student Handbook for Teacher Certification*, available in the department of education office.

101, 102. General Chemistry.

4 cr. hrs. first semester,

5 cr. hrs. second semester

An introductory course based on the systematic development of principles and concepts which are considered basic to the field of chemistry. Three lectures, an optional discussion session, and one 3-hour laboratory period per week for Chemistry

101. Three lectures, a discussion session, and two laboratory periods per week for Chemistry 102.

105. Fundamental Chemistry. 5 cr. hrs.

A rapid review of fundamental principles, such as atomic structure, bonding, the mole concept, etc., followed by a thorough study of reaction kinetics, chemical equilibrium, acid-base theory, thermodynamics, electrochemistry, metallic and non-metallic element chemistry, coordination compounds, and organic chemistry. Laboratory work is qualitative and quantitative in nature. This course may not be taken for credit by a student successfully completing Chemistry 102 with a grade of B or better. Three lectures, an optional discussion session, and two 3-hour laboratory periods per week. First semester.

206. Analytical Chemistry. 5 cr. hrs.

Classical and some more modern electroanalytical methods of quantitative analysis taught from a physical point of view. Theory and problems are emphasized. Laboratory study is intensive. Prerequisite: Chemistry 102, 105, or consent of instructor. First and second semester, three lectures, a problem session and two 3-hour laboratory periods per week.

301, 302. Organic Chemistry.

5 cr. hrs. per semester

A discussion of the important classes of organic compounds in the aliphatic and aromatic series, including their preparation, reactions, and mechanisms of reaction. IR and NMR spectra of compounds will be studied. Three lectures, one optional discussion-help session, and two 3-hour laboratory periods each week.

303. Biochemistry.

3 cr. hrs.

An introductory course in biochemistry which includes a study of the occurrence, structure, function, and metabolism of biologically active molecules. Emphasis on molecular species such as carbohydrates, amino acids, lipids, proteins and nucleic acids. The course may be credited either as

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chemistry or biology, as the student elects. Chemistry 301-302 and Biology 151 are prerequisites. First semester, three lectures per week.

306. Advanced Analytical Chemistry. 4 cr. hrs.

Acquisition and interpretation of data obtained through the use of instruments in the areas of spectroscopy, nuclear magnetic resonance, and chromatography are studied. Prerequisite: Chemistry 206. Second semester, two lectures and two 3-hour laboratory periods per week.

401, 402. Physical Chemistry. 4 cr. hrs. per semester

A study of quantum theory, statistical mechanics, thermodynamics, gases, solids, liquids, solutions, kinetics, group theory, spectroscopy, etc. Prerequisite: Math 200. Math 201 and 202 are strongly recommended. First and second semester, three lecture-recitation periods and one 3-hour laboratory period per week.

403. Advanced Organic Chemistry. 3 cr. hrs.

A study of certain aspects of organic chemistry, including the use of spectroscopic data in structure determination, mechanisms of reactions, stereochemistry, and resonance. First semester. Alternates annually with Chemistry 407. Two lectures and one 3-hour laboratory per week.

404. Advanced Inorganic Chemistry. 3 cr. hrs.

A systematic treatment of the chemical elements and their more important compounds, stressing bonding, periodic relationships and coordination chemistry. Second semester. Three lecture periods per week.

407. Qualitative Organic Analysis. 4 cr. hrs.

A study of the characteristic chemical reactions of compounds containing elements commonly present in organic compounds and the determination of their classification and identity from qualitative

reactions. First semester. Alternates annually with Chemistry 403. One lecture and two 3-hour laboratory periods per week.

210a, 210b, 310a, 310b, 410a, 410b. Introduction to Chemical Literature and Research.

1-3 cr. hrs. each semester

Only those students who show promise of doing serious study in chemistry are admitted to this course. The student selects a research problem and secures the approval of the staff member who will be directing the research. The student will spend 60 to 100 hours in research for each hour of credit. No credit is given until a complete report has been submitted concerning the project studied. The report is to be written in the form recommended by the editors of the *Journal of the American Chemical Society*. First and second semesters.

Communication/ Public Relations

Associate Professor L.A. Harris, chairman; Professor Willett; Associate Professor K. Harris; Assistant Professor Newton; Assistant Instructor Swisher.

Major: A minimum of 26 hours in communication courses numbered 200 or above, selected with advisor's approval according to the area of concentration. Communication 402 and Communication 231 (see Philosophy 231—Logic), Communication 225, three hours of debate, four hours of theatre, and four hours of media are required of all majors. Prospective speech teachers should take Education 348 and other courses in the department of education, 12 hours of theatre, 12 hours in public address, and six hours of electives in the communication field. All majors must successfully complete a senior recital.

COMMUNICATION

Public Relations Major

Consists of 42 hours of courses numbered 200 or above as outlined below. A person majoring in public relations, desiring to double major with either communication or business, must complete an additional 20 hours in said discipline. Majors are expected to be active members of P.M.A. organization.

Communication	Hrs.
204 Persuasion	4
210 Interpersonal	4
211 Press	4
212 Radio-TV	4
402* Seminar	2
403i Public Relations	2
	<hr/> 20
Psychology:	
214 Personal Adjustment	2
304 Social	4
	<hr/> 6
Business:	
201 Economics	3
201 Organization & Management	3
301 Personnel Management	3
305 Marketing	3
	<hr/> 12
Sociology:	
Require either/or	
332 Cultural Anthropology or	4
338 Race and Ethnic Rel.	(4)
	<hr/> 4
Total hours	42

There can be a maximum of 2 substitutions, or 8 hours, from electives, with advisor's approval. Appropriate electives would be:

Art (204, 149b, 149g)

Business (211, 221, 311, 312)

English (320)

Mathematics (216)

Political Science (303)

Psychology (317, 411a, 319)

Survey Research (351, 452)

Evening Division

EC 199 Consumer Economics

BA 261a, b Sales Management

BA 262a, b Organization & Management of a Small Business

BA 306a, b Current Marketing Issues

BA 307a, b Market Research

BA 308a, b Marketing Channel Analysis

BA 331a, b Wage & Salary Administration

BA 401a, b Readings in Management

BA 406a, b Business Problems & Policy

99. Library Research Techniques.

1 cr. hr.

A practical introduction to library research techniques, resources, and strategies for effective library use. Not merely an orientation course for beginning students, but designed to be of significant value to students at all levels. Emphasis will be on the nature and use of bibliographical aids and researching the documented paper. Second semester, 1982-83.

100. Communication Theory and Practice.

4 cr. hrs.

A study of the theory of communication, including small group discussion and problems of audience adaptation. Preparation and presentation of various forms of speech activity, with use of recording and video equipment. Fulfills requirement for graduation. Freshmen with superior high school training in speech should enroll in Communication 201 or in Communication 204 to fulfill the requirement. Offered each semester.

201. Fundamentals of Argumentation and Debate.

3 cr. hrs.

The fundamentals of argumentative speech, analysis, outlining, evidence, and use of reasoning. Designed for the student who has no background in debate. Recommended for students preparing for ministry, law, and secondary speech education. Not open to students with extensive debate background. First semester.

204. Persuasion.

4 cr. hrs.

Study and practice in the construction and delivery of persuasive speeches, with a survey of pertinent studies. Emphasis on adaptation for special audience attitudes.

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Recommended for students who have had previous speech training; relevant for debaters, pre-law, and church-related vocation students. Fulfills requirement for graduation with consent of department. Second semester.

210. Interpersonal Communication.

4 cr. hrs.

A study of communication problems found in society that cripple relationships; designed to help the student understand and apply new patterns for communicating with others. Communication problems are approached by involving students in structured exercises dealing with such areas as: first impressions, perceptions, biases, inferences, listening, group dynamics, and semantics. Offered each semester.

211. Mass Media: The Press.

4 cr. hrs.

The techniques of newspaper writing, with stress on general reporting, features, and editorials. Problems in copy editing and layout. Study of the role of the press in society. Practical work on the college newspaper. Recommended for prospective secondary school English teachers. Offered each semester.

212. Mass Media: Radio, Television, and Advertising.

4 cr. hrs.

Study of the socio-economic aspects of broadcasting and advertising. Use of recording and video equipment for the development of programs and training in broadcasting techniques. Offered each semester.

220. Oral Interpretation.

4 cr. hrs.

Reading as a creative process. Individual guidance and practice to help students perfect skills in oral reading of all types of literature. Study of the vocal mechanism and development of body and voice as expressive agents. Required of communication majors with a theatre emphasis. First semester.

222. Introduction to Theatre.

4 cr. hrs.

Overview of theatre history from Greek to the present. Major emphasis on representative pieces of dramatic literature.

Units of study in production aspects of theatre. Required of communication majors with a theatre emphasis. First semester.

224. Basic Acting.

4 cr. hrs.

Participation with class members in acting scenes and work in improvisational exercises. Basic acting technique will be learned. Mainly a practicum course with an acting assignment in a publicly performed play as the culmination of the course. Required of communication majors with a theatre emphasis. Second semester.

225. Voice and Articulation.

2 cr. hrs.

Concentration on the learning of the International Phonetic Alphabet and its application in the articulation and enunciation of the English language. Important for music, communication, English, and education majors.

301. Advanced Argumentation and Debate.

2 cr. hrs.

Designed for the student with debate background who is interested in continuing intercollegiate debate. Review of basics, with study of varieties of case methods. Students will confront issues current in academic debate and can expect to participate in at least two tournaments during the semester. First semester.

309. History and Criticism of American Public Address.

4 cr. hrs.

Historical and critical study of significant American speakers, with analysis of structure, content, and influence of their works. Alternate years. Second semester 1982-83.

320. Technical Theatre.

4 cr. hrs.

Theory and practice in design and construction of stage scenery, and make-up. Projects in lighting, costuming, and other areas of theatre production. Emphasis on needs of theatre majors, teachers, and religious and educational drama enthusiasts. Required of communication majors with a theatre emphasis. Alternate years. Second semester, 1982-83.

322. Directing.

4 cr. hrs.

Designed to prepare future teachers, actors

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and young people's leaders to direct dramatic productions. Intensive work in play analysis. Instruction in casting, rehearsal schedules and overall production of a show. Practical experience in scenes and a one-act play. Required of communication majors with a theatre emphasis. Prerequisite: Basic Acting. Second semester, alternate years, 1983-84.

324. Advanced Acting. 4 cr. hrs.

An in-depth study of acting theory concentrating on the techniques of Stanislavski and Grotowski. Most of the class time will be spent on laboratory theatre experiments. Final public performance to demonstrate individual theory developed by the student during the semester. Required of communication majors with a theatre emphasis. Prerequisite: Basic Acting. Recommended for education, English, and music majors. Alternate years. First semester, 1982-83.

401. Communication Activities.

1/2-4 cr. hrs.

Designed for special activities and independent study. Credit may be obtained in forensics, theatre, interpretation, radio, and writing, in addition to credit in regular courses. Activities and requirements should be planned in advance with the supervising staff member. Credit available each semester.

401a. Forensics.

401b. Theatre.

401c. Interpretation.

401d. Radio.

401e. Writing.

401f. Teaching Assistantship.

402. Senior Seminar. 2 cr. hrs.

Required for all senior communication and public relations majors as preparation for professional and graduate work. First semester.

403. Communication Seminars. 2 cr. hrs. Offered on demand.

403a. Forensics.

Advanced argumentation theory, public speaking experience, and interpretation skills appropriate for competitive speaking. Appropriate for debaters, individual events participants, pre-law students, and prospective forensics coaches.

403b. Religious Drama.

Study and production of theatre forms suitable for church and youth group use.

403c. Children's Theatre.

Creation and performance in area schools of plays for children.

403d. Feature and Editorial Writing.

Study and writing of specialized newspaper forms.

403e. Modern Rhetorical Theory.

Analysis of significant American speeches since 1950, with study of critical trends.

403f. Independent Studies.

Special creative projects or investigative studies designed by students and approved by department staff.

403g. Nonverbal Communications.

Analysis of nonverbal behaviors and the role they play in human interaction.

403i. Fundamentals of Public Relations.

2 cr. hrs.

Covers the history of public relations and its function in the organization. Students develop skills in press relations, advertising, writing, copyfitting, layout and design through lecture and participation. Offered both semesters.

Economics and Business Administration

*Assistant Professor Cook, acting chairman;
Professors Hawkins, Miller; Instructors
Hoyt, Jacobsen, Mohler.*

The three major areas offered within the department of economics and business

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administration are detailed below.

Freshmen may not enroll in any economics or business administration course offered by the department. Individuals who have declared accounting majors may enroll for Accounting 211 in the second semester of the freshman year; consent of the instructor is required. Business majors seeking to fulfill General Education requirements or to choose relevant electives are encouraged to consider communication, English, Foundations, mathematics, modern languages, philosophy, political science and psychology courses.

Economics

Bachelor of arts degree: A minimum of 24 hours in economics including Economics 201, 202, 306, 307, 402, 404 or 418, and 451. Economics majors must also take Mathematics 199 and BA 318.

Bachelor of science degree in business administration with a major in economics. A minimum of 24 hours in economics and a minimum of 45 hours and a maximum of 60 hours in accounting, economics and business administration, combined, including Accounting 211, and 221; Economics 201, 202, 306 or 308, 307, 402, 404 or 418, and 451; Business Administration 201, 301, 305, 315, 318, and 326. In addition, Mathematics 125 and 199 are required.

A comprehensive examination, the Graduate Record Examination, will be required of all seniors majoring in economics.

201. Principles of Microeconomics. 3 cr. hrs.

The theory of the consumer, the costs of production, the theory of the firm, monopoly and competition. Prerequisite: sophomore standing. First semester.

202. Principles of Macroeconomics. 3 cr. hrs.

National income accounts, commercial banking and the federal reserve system, and government policies for achieving stable prices and full employment. Prerequisite:

EC 201. Second semester.

306. Microeconomics (The Price System). 3 cr. hrs.

The study of prices, production, consumption, resource allocation and market structures begun in course 201, which is prerequisite. Offered alternate years.

307. Macroeconomics (National Income, Activity and Employment). 3 cr. hrs.

National income and product accounting, the level of economic activity, fiscal and monetary theory and policy. Prerequisite: EC 202. Offered alternate years.

308. Managerial Economics. 3 cr. hrs.

Applied economic analysis of the firm, competitive structure within which it operates, and aggregate economic conditions which affect its decisions. Prerequisite: EC 201, 202. First semester.

320. Industrial Organization. 3 cr. hrs.

An analysis of the organization and operation of several industries based upon economic theory and antitrust laws. Includes evaluation of theory and laws. Prerequisite: EC 201, 202. Second semester.

322. Labor Relations. 3 cr. hrs.

The growth and development of formal relationships between employer and employees with emphasis on theory of wages, labor law, and collective bargaining. Prerequisite: EC 201, 202. Second semester.

402. Money and Banking. 3 cr. hrs.

History and structure of the banking system, objectives and instruments of monetary policy, current monetary issues and problems. Prerequisite: EC 202 or consent of instructor. Second semester.

404. Introduction to International Economics. 3 cr. hrs.

Trade incentives and patterns, comparative advantage, trade barriers and agreements, international finance and financial institutions. Prerequisite: Any economics course or consent of instructor. First semester.

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418. Public Finance. 3 cr. hrs.

The American tax and expenditure system as it affects employment efficiency, income distribution, and other objectives.

Prerequisite: EC 201 or consent of instructor. Second semester, 1981-82.

Offered alternate years.

451. Seminar in Economics. 3 cr. hrs.

Writing, presenting and discussing of substantive papers on selected seminar topics. Prerequisite: senior standing or consent of instructor.

481. Economics Internship. 6 cr. hrs. maximum

Open to majors who have demonstrated excellence in economics; enrollment with consent of department through regular registration procedures. Requests must be submitted to the department before the term in which the work is to be completed. Available only with firms having an established intern program.

INDIVIDUAL PROJECTS IN ECONOMICS

Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

360. Independent Studies in Economics. 1-3 cr. hrs.

460. Independent Studies in Economics. 1-3 cr. hrs.

Enrollment only by consent of instructor.

Management

Bachelor of arts degree: A minimum of 24 hours of 300 or 400 level courses in accounting, economics and business administration combined, including Accounting 211, 221, Economics 201, 202, 308, Business Administration 201, 301, 305, 315, 318 and 326. In addition Mathematics 125 is required. Candidates for the bachelor of arts degree may not include in the hours presented for graduation more than 45 total hours from accounting, economics and business administration combined.

Bachelor of science degree: A minimum of 44 hours and maximum of 60 hours from economics, accounting and business administration combined, including Accounting 211, 221; Economics 201, 202, 308 and 322; Business Administration 201, 231, 301, 305, 315, 318, 326 and 406. In addition, Mathematics 125 and one additional course in mathematics are required.

A comprehensive examination, the GMAT, will be required of all seniors majoring in business administration.

201. Organization and Management. 3 cr. hrs.

Fundamentals of organizational behavior and management principles. Classical functions of management and the impact of management decision-making on the organization and the people within the organization are stressed. Prerequisite: sophomore standing. Offered each semester.

231. Business Law I. 3 cr. hrs.

Contracts, agency, employment, negotiable instruments. Prerequisite: sophomore standing. First semester.

232. Business Law II. 3 cr. hrs.

Corporations, partnerships, sales, bailments, real and personal property. Prerequisite: sophomore standing. Second semester.

301. Personnel Management. 3 cr. hrs.

An examination of the personnel/human resource function, focusing on the complete cycle of personnel activities from initial selection to final performance appraisal and outcomes. Prerequisite: junior standing. First semester.

305. Marketing. 3 cr. hrs.

A study of the institutions, channels, and functions involved in the distribution of goods. Prerequisite: junior standing. First semester.

306. Readings in Marketing. 3 cr. hrs.

Recent developments in marketing management, wholesaling, retailing, product planning, and consumerism.

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Opportunity will be provided for examining areas of special interest to individual students. 305 is prerequisite. Second semester.

315. Financial Management. 3 cr. hrs.
Forms of organization, financial institutions and instruments, legal aspects of finance, financial administration and decisions. Prerequisite: Accounting 221 and Economics 201, 202. Second semester.

318. Elementary Statistics for Business and Economics. 3 cr. hrs.
An introductory course studying the methods of statistical description, statistical inference and decision analysis. Recommended for juniors. First semester.

326. Quantitative Methods in Business and Economics. 3 cr. hrs.
An introduction to techniques and applications in business and economics of operations analysis, with emphasis on management decision-making. Prerequisite: 318. Second semester.

401. Readings in Management. 3 cr. hrs.
A readings course designed to explore management topics in greater depth. Included among the management areas studied are: traditional approaches to management, management ethics and social responsibility, organizational innovations and timely theories of management science. Prerequisite: 201. First semester.

406. Business Problems and Policies. 3 cr. hrs.
A case study course, requiring students to apply knowledge acquired in their major program to solving complex problems which involve all the functional areas of business. Prerequisite: senior standing.

451. Seminar in Business Administration. 3 cr. hrs.
Writing, presenting and discussing of substantive papers on selected seminar topics. Prerequisite: senior standing or consent of instructor.

451A. Seminar in International Business. 3 cr. hrs.

Writing, presenting and discussing of substantive papers on selected aspects of international business. Prerequisite: senior standing or consent of instructor.

481. Business Administration Internship. 6 cr. hrs. maximum

Open to majors who have demonstrated excellence in business administration; enrollment with consent of department through regular registration procedures. Requests must be submitted to the department before the term in which the work is to be completed. Available only with firms having an established intern program.

INDIVIDUAL PROJECTS IN BUSINESS ADMINISTRATION

Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

360. Independent Studies in Business Administration. 1-3 cr. hrs.

460. Independent Studies in Business Administration. 1-3 cr. hrs.

Enrollment only by consent of instructor.

Accounting

Bachelor of Science degree: A minimum of 43 hours and maximum of 60 hours in accounting, economics and business administration combined, including Economics 201, 202; Business Administration 201, 231, 232, 315 and 318; and Accounting 211, 221, 311, 312, 335, 411, 431 and 451. Accounting majors must also take Mathematics 125. Requirements vary by state to qualify to take the C.P.A. examination. Individual students are encouraged to develop a program which will meet the particular requirements.

Senior comprehensive examination required.

211. Financial Accounting. 4 cr. hrs.
The measurement of financial information,

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the accounting cycle and preparation of statements, analysis of statements, corporate and partnership forms of business. Prerequisite: sophomore standing or consent of instructor. Offered each semester.

221. Managerial Accounting. 4 cr. hrs.
Fundamentals of cost accounting including cost-volume-profit analysis job-order costing. Systems design, human behavior, budgeting standard costs and variances are emphasized. Capital budgeting, process costing and a few related topics are studied. Prerequisite: 211 with grade of C or better. Offered each semester.

311. Intermediate Accounting I. 4 cr. hrs.
Application of accounting theory, standards, principles and procedures to financial accounting problems. Study of the objectives of external financial statements and professional accounting. Particular emphasis on assets and liabilities. Prerequisite: 211 with grade of C or better. First semester.

312. Intermediate Accounting II. 4 cr. hrs.
Continuation of 311 with special emphasis on corporate capitalization, errors, changes and incomplete records. Statements of changes in financial position, interim reports, segment accounting, and analysis of statements is also studied. Prerequisite: 311 with grade of C or better. Second semester.

335. Income Tax. 3 cr. hrs.
Laws and regulations, determination of taxable income, deductions, exclusions, making and filing returns. Prerequisite: 211. First semester.

411. Advanced Accounting. 4 cr. hrs.
Accounting for partnerships, installment sales, consignments, not-for-profit entities. Special emphasis on consolidations. (By special arrangement with instructor, public administration majors may take the segment on not-for-profit entities for 1 cr. hr.) Prerequisite: 312 with grade of C or better. First semester.

431. Auditing. 4 cr. hrs.
Examination of financial condition and accounting procedures by public accountants and internal auditors; professional ethics; auditing standards; working papers and reports. A study of SEC reporting requirement is included. Prerequisite: 312 with grade of C or better. Second semester.

451. Seminar in Accounting. 3 cr. hrs.
Study of history of accounting; research of current topics including uncertainty, efficient theory of marketplace, social accounting. Prerequisite: 312 with grade of C or better. Senior standing.

481. Accounting Internship 6 cr. hrs. - maximum
Open to majors who have a minimum GPA of 3.5 and have demonstrated excellence in accounting. Enrollment with consent of department through regular registration procedures. Requests must be submitted to the department before the term in which the work is to be completed. Performance will be evaluated through conference with the supervisor. Available only with firms having an established intern program.

INDIVIDUAL PROJECTS IN ACCOUNTING

Opportunities to pursue study in topics of particular interest are provided in independent studies with consent of instructor.

360. Independent Studies in Accounting. 1-3 cr. hrs.

460. Independent Studies in Accounting. 1-3 cr. hrs.

Enrollment only by consent of instructor.

SUGGESTED PROGRAMS FOR ACCOUNTING, BUSINESS ADMINISTRATION AND ECONOMICS MAJORS

Listed below are suggestions for the timing of major course requirements in the

programs offered by the department of economics and business administration. ALL of the degrees offered in the department are compatible with either the Distribution Curriculum, Program I, or Foundations, Program II, to satisfy General Education requirements. Business majors seeking to fulfill General Education requirements or to choose relevant electives are encouraged to consider communication, English, Foundations, mathematics, modern languages, philosophy, political science and psychology courses.

SUGGESTED PROGRAM OF MAJOR COURSES FOR BACHELOR OF SCIENCE IN ACCOUNTING

Sophomore Year

FALL	HRS.
AC 311 Intermediate Accounting I	4
EC 201 Principles of Microeconomics	3
Social Science Elective or	
FN 230 Foundations	4-6
Elective	4-2

SPRING	HRS.
AC 312 Intermediate Accounting II	4
EC 202 Principles of Macroeconomics	2
MA 125 Intro. to Computing & Data Processing	4

Junior Year

FALL	HRS.
AC 411 Advanced Accounting	4
BA 318 Elementary Statistics for Business & Economics	3
BA 201 Organization & Management	3

SPRING	HRS.
AC 221 Managerial Accounting	4

Senior Year

FALL	HRS.
AC 335 Tax Accounting	3
BA 231 Business Law I	3
BA 315 Financial Management	3

SPRING	HRS.
AC 431 Auditing	4
AC 451 Seminar in Accounting	3
BA 232 Business Law II	3

SUGGESTED PROGRAM OF MAJOR COURSES FOR BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION—MANAGEMENT

Sophomore Year

FALL	HRS.
AC 211 Financial Accounting	4
EC 201 Principles of Microeconomics	3
BA 231 Business Law I	3

SPRING	HRS.
BA 201 Organization & Management	3
EC 202 Principles of Macroeconomics	3

Junior Year

FALL	HRS.
BA 318 Elementary Statistics for Business & Economics	3
MA 125 Intro. to Computing & Data Processing	4
EC 308 Managerial Economics	3
BA 305 Marketing	3

SPRING	HRS.
AC 221 Managerial Accounting	4
BA 326 Quantitative Methods in Business & Economics	3
BA 315 Financial Management	3
EC 322 Labor Relations	3

Senior Year

FALL	HRS.
BA 301 Personnel Management	3

SPRING	HRS.
BA 406 Business Problems & Policies	3

SUGGESTED PROGRAM OF MAJOR COURSES FOR BACHELOR OF ARTS IN MANAGEMENT

Sophomore Year

FALL	HRS.
AC 211 Financial Accounting	4
EC 201 Principles of Microeconomics	3

SPRING	HRS.
AC 221 Managerial Accounting	4
EC 202 Principles of Macroeconomics	3

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Junior Year

FALL	HRS.
BA 201 Organization & Management . . .	3
BA 305 Marketing	3
BA 318 Elementary Statistics for Business & Economics	3
SPRING	HRS.
BA 326 Quantitative Methods in Business & Economics	3
MA 125 Intro. to Computing & Data Processing	4

Senior Year

FALL	HRS.
BA 301 Personnel Management	3
EC 308 Managerial Economics	3
SPRING	HRS.
BA 315 Financial Management	3

SUGGESTED PROGRAM OF MAJOR COURSES FOR BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION—ECONOMICS

Sophomore Year

FALL	HRS.
AC 211 Financial Accounting	4
EC 201 Principles of Microeconomics . .	3
SPRING	HRS.
AC 221 Managerial Accounting	4
EC 202 Principles of Macroeconomics . .	3

Junior Year

FALL	HRS.
MA 199 Calculus I	4
BA 318 Elementary Statistics for Business & Economics	3
BA 201 Organization & Management . .	3
BA 305 Marketing	3
EC 306 Microeconomics or EC 308 Managerial Economics	3
SPRING	HRS.
BA 326 Quantitative Methods in Business & Economics	3
EC 307 Macroeconomics or EC 418 Public Finance	3
EC 322 Labor Relations	3
EC 402 Money & Banking	3

Senior Year

FALL	HRS.
BA 301 Personnel Management	3
EC 306 Microeconomics or EC 308 Managerial Economics	3
EC 404 Intro. to International Economics	3
SPRING	HRS.
BA 315 Financial Management	3
EC 307 Macroeconomics or EC 418 Public Finance	3
EC 320 Industrial Organization	3
EC 451 Seminar in Economics	3

SUGGESTED PROGRAM OF MAJOR COURSES FOR BACHELOR OF ARTS IN ECONOMICS

Sophomore Year

FALL	HRS.
EC 201 Principles of Microeconomics . .	3
MA 199 Calculus I	4
SPRING	HRS.
EC 202 Principles of Macroeconomics . .	2
MA 125 Intro. to Computing & Data Processing	4

Junior Year

FALL	HRS.
EC 306 Microeconomics or EC 308 Managerial Economics	3
EC 404 Intro. to International Economics	3
BA 318 Elementary Statistics for Business & Economics	3
SPRING	HRS.
EC 307 Macroeconomics or EC 418 Public Finance	3
EC 402 Money & Banking	3

Senior Year

FALL	HRS.
EC 306 Microeconomics or EC 308 Managerial Economics	3
SPRING	HRS.
EC 307 Macroeconomics or EC 418 Public Finance	3
EC 451 Seminar in Economics	3

Education

Professor Stockton, chairman; Associate Professor Bleakley; Assistant Professors Kickbusch, Moore; Instructor Garrison.

The education department offers programs in teacher education under the bachelor of arts and bachelor of science degrees. Students seeking certification to teach in elementary schools may pursue a major in elementary education under either the bachelor of arts or the bachelor of science degree. In cooperation with other departments at the college, the education department offers the bachelor of arts degree leading to secondary (grades 7-12) teacher certification in biology, chemistry, English, mathematics, physical education, physics, social studies and speech-theatre. Bachelor of arts programs leading to all-level (grades K-12) certification include art and foreign language. Bachelor of science programs for all-level certification are available in music education and physical education. Students who complete all requirements for a degree with a major in one of the approved teaching fields and complete at least twenty-eight (28) semester hours in education including all professional studies requirements for either all-level or secondary certification will earn a second major in education. Certification in the special education areas of behavior disorders, educable mentally retarded, or learning disabilities may be added to any elementary, secondary, or all-level certification plan by including the appropriate courses in the student's choice of electives. Specific program requirements are included in the *Student Handbook for Teacher Certification*.

Elementary Education. A student planning to become an elementary education major should complete a form declaring such intent during the first year. The prospective elementary education major must complete a specified plan of study for a bachelor of arts or a bachelor of science degree in education (elementary) and must meet the following criteria for formal admission to the elementary education program:

1. Completion of at least forty-five (45) semester hours.
2. Completion of at least one semester at William Jewell College.
3. Attainment of an overall grade point average of 2.5 with a grade of C or better in each of the following or their equivalents: English 100, Communication 100 and Mathematics 105.
4. Attainment of a grade point average of 2.75 or better in Education 205 and 210-211 with no grade below a C in any of these courses.
5. Recommendation from a faculty member in a department other than education and approval of the Education Committee. (Reference forms may be obtained from the education office or student's advisor.)
6. Favorable evaluation of performance in activities required for Education 212.
7. Achievement of satisfactory scores on tests of basic skills in mathematics and reading comprehension, and demonstrated competencies in writing skills.

SAMPLE SCHEDULE

BACHELOR OF SCIENCE DEGREE IN ELEMENTARY EDUCATION

Area of Concentration—Psychology

Freshman Year

FALL	HRS.
English 100	4
History 221	4
Biology 107	4
P.E. 100	<u>1</u>
	13

SPRING	HRS.
Communication 100	4
Psychology 211	4
Mathematics 105	4
Religion 113	4
** P.E. 112	<u>1/2</u>
	16 1/2

Sophomore Year

FALL	HRS.
Political Science 112A	2
Geology 201	4
English 200	4
* Economics 201	3

EDUCATION

Education 210	2
Education 211	2
Education 212	<u>1</u>
	18

SPRING	HRS.
Sociology 332	2
* P.E. 126	½
Physics 103	4
Education 205	4
P.E. 365a	2
Elective	<u>4</u>
	16½

Junior Year

FALL	HRS.
Geography 304	4
* Education 234	2
Education 411	2
Education 338	2
Education 302	4
Education 350	<u>2</u>
	16

SPRING	HRS.
Education 301	4
Education 309	4
Education 308	1
** Education 235	2
Psychology 303	4
* English 310	<u>2</u>
	17

Senior Year

FALL	HRS.
* Education 303	2
** Education 404	2
Psychology 306a	2
Electives	2
Humanities	<u>4</u>
	12

SPRING	HRS.
* Education 400	2
* Education 318	2
* Education 450	4
** Education 410	<u>8</u>
	16

SAMPLE SCHEDULE BACHELOR OF ARTS DEGREE IN ELEMENTARY EDUCATION

Freshman Year

FALL	HRS.
Communication 100	4
Spanish 111	4
Biology 107	4
P.E. 100	<u>1</u>
	13

SPRING	HRS.
English 100	4
Mathematics 105	4
Spanish 112	4
Psychology 211	4
** P.E. 112	<u>½</u>
	16½

Sophomore Year

FALL	HRS.
Spanish 211	4
Education 210	2
Education 211	2
Education 212	1
Religion 113	4
History 221	<u>4</u>
	17

SPRING	HRS.
Education 205	4
P.E. 365a	2
** P.E. 126	½
Spanish 308 (Humanities)	4
English 200	4
* Sociology 332	<u>2</u>
	16½

Junior Year

FALL	HRS.
Geography 304	4
Physics 103	4
Education 302	4
Education 411	2
Economics 405	<u>2</u>
	16

SPRING	HRS.
Education 301	4
Education 309	4
Education 308	1
Education 350	2
* Education 319	2

*English 310	2
*Psychology 306	2
	<u>17</u>
Senior Year	
FALL	HRS.
*Education 303	2
**Education 404	2
Geology 201	4
*Education 400	2
Electives	6
	<u>16</u>
SPRING	HRS.
*Political Science 111A	2
*Education 450	4
*Education 234	2
**Education 410	8
	<u>16</u>

*Course is offered first seven weeks of the semester.

**Course is offered second seven weeks of the semester.

Secondary and All-level Certification

Programs. A student planning to obtain all-level or secondary education certification must complete a form declaring this intent during the freshman year. The student must complete a specified plan of study for a bachelor of arts or a bachelor of science degree in an approved teaching field; must complete the professional education requirements for all-level or secondary education certification; and must meet the following criteria for formal admission to an all-level or secondary certification program:

1. Completion of at least forty-five (45) semester hours.
2. Completion of at least one semester at William Jewell College.
3. Attainment of an overall grade point average of 2.5 with a grade of C or better in each of the following or their equivalents: English 100, Communication 100, Mathematics 105 and Education 205.
4. Attainment of a grade point average of 2.75 or better in the approved major teaching field(s) for which certification is being sought.
5. Recommendation from the department chairman in student's approved

teaching field(s) and approval of the Education Committee.

6. Achievement of satisfactory scores on tests of basic skills in mathematics and reading comprehension, and demonstrated competencies in writing skills.

Students who complete all requirements for a degree with a major in one of the approved teaching fields and complete at least twenty-eight (28) semester hours in education including all professional studies requirements for either all-level or secondary certification will earn a second major in education.

SAMPLE SCHEDULE

BACHELOR OF ARTS DEGREE† SECONDARY (7-12) EDUCATION CERTIFICATION

Freshman Year

FALL	HRS.
English 100	4
History 221	4
Biology	4
Foreign Language††	4
	<u>16</u>
SPRING	HRS.
Communication 100	4
Mathematics	4
Religion 113	4
Foreign Language††	4
	<u>16</u>

Sophomore Year

FALL	HRS.
Psychology 211	4
Foreign Language††	4
Education 205	4
P.E. 100	1
Elective (Major)	4
	<u>17</u>
SPRING	HRS.
*Political Science 111A	2
*Sociology 332	2
**Psychology 306	2
Religion (Humanities)	4
P.E. Skills	1
Elective (Major)	4
English 310	2
	<u>17</u>

EDUCATION

Junior Year

FALL	HRS.
Education 310	2
Education 322	1
Education 307	2
Elective (Major)	10
Education 221	½
Education 323	½
	<u>16</u>

SPRING	HRS.
Education— (Meth. Tchg. Field)	2
Electives (Major)	14
	<u>16</u>

Senior Year

Non-Student Teaching Sem.

FALL or SPRING	HRS.
English 200	4
Philosophy (Hum.)††.	4
Physics or Geology	4
Elective (Major)	4
	<u>16</u>

Student Teaching Semester

FALL or SPRING	HRS.
*Education 234	2
*Education 411	2
*Education 450	4
*Elective (Major)	2
**Education 424	6
	<u>16</u>

†PHYSICAL EDUCATION MAJORS obtain a BACHELOR OF SCIENCE DEGREE.

††Not required for the bachelor of science degree.

*Course is offered the first seven weeks of the semester.

**Course is offered the second seven weeks of the semester.

SAMPLE SCHEDULE

BACHELOR OF ARTS DEGREE ALL-LEVEL (K-12) EDUCATION CERTIFICATION IN ART OR FOREIGN LANGUAGE.

Freshman Year

FALL	HRS.
English 100	4
Religion	4
Foreign Language	4
P.E. 100	1
Elective (Major)	4
	<u>17</u>

SPRING	HRS.
Communication 100	4
Psychology	4
History 222	4
Foreign Language	4
	<u>16</u>

Sophomore Year

FALL	HRS.
*Sociology 338	2
**English 310	2
Foreign Language	4
Physics or Geology	4
Education 205	4
P.E. Skill	½
	<u>16½</u>

SPRING	HRS.
*Political Science	2
Psychology 306	4
Religion (Humanities)	4
Electives (Major)	6
	<u>16</u>

Junior Year

FALL	HRS.
Education 308	1
Education 310	2
Education 322	1
Education 307	2
Electives (Major)	6
Mathematics	4
Education 221	½
Education 323	½
	<u>17</u>

SPRING	HRS.
Education— (Meth. Maj. Tchg. Fld.)	2
P.E. Skill	½
Education— (Meth. Ele. Tchg. Fld.)	2
Electives (Major)	12
	<u>16½</u>

Senior Year

Non-Student Teaching Sem.

FALL or SPRING	HRS.
Biology	4
English 200	4
Humanities	4
Elective (Major)	4
	<u>16</u>

EDUCATION

Student Teaching Semester

* Education 234	2
* Education 411	2
* Education 450	4
** Education 424	6
	<u>14</u>

SAMPLE SCHEDULE

BACHELOR OF SCIENCE DEGREE
ALL-LEVEL (K-12) EDUCATION
CERTIFICATION IN MUSIC OR
PHYSICAL EDUCATION

Freshman Year

FALL	HRS.
Communication 100	4
Psychology 211	4
P.E. 100	1
Electives (Major)	8
	<u>17</u>

SPRING	HRS.
English 100	4
Religion	4
History 222	4
Elective (Major)	4
	<u>16</u>

Sophomore Year

FALL	HRS.
Physics or Geology	4
English 200	4
P.E. Skill	1/2
Education 308	1
Electives (Major)	6
	<u>15 1/2</u>

SPRING	HRS.
* Political Science 111A	2
* Sociology 332	2
** English 310	2
Education 205	4
P.E. Skill	1/2
Electives (Major)	6
	<u>16 1/2</u>

Junior Year

FALL	HRS.
Education 310	2
Education 322	1
Psychology 306	4
Education 307	2
Electives (Major)	6
Education 221	1/2
Education 323	1/2
	<u>16</u>

SPRING	HRS.
Education (Meth. Ele. Tchg. Fld.)	2
Education (Meth. Maj. Tchg. Fld.)	2
P.E. Skill	1/2
Electives (Major)	8
Mathematics	4
	<u>16 1/2</u>

Senior Year

Non-Student Teaching Sem.

FALL or SPRING	HRS.
Biology	4
Religion (Humanities)	4
Electives (Major)	8
	<u>16</u>

Student Teaching Semester

FALL or SPRING	HRS.
* Education 234	2
* Education 450	4
* Elective (Major)	2
** Education 424	6
* Education 411	2
	<u>16</u>

*Course is offered the first seven weeks of the semester.

**Course is offered the second seven weeks of the semester.

Formal Admission to Teacher Education Programs. All students who have filed a declaration of intent to seek teacher certification will be evaluated according to the criteria for acceptance when they have completed forty-five (45) semester hours. Students must submit a completed application for admission to the specified program (forms may be obtained from the education office) before being reviewed by the Committee on Education.* Students will be notified by letter during the semester in which they are evaluated of approval, disapproval or delay of decision.

*Members of the Committee on Education are the faculty of the education department. Ex-officio members are the department chairmen of the student's approved teaching field(s).

Transfer Students/Change of Major
Students changing major or transfer students planning to pursue teacher

EDUCATION

certification must file a form with the education department declaring such intent. The student should consult the *Student Handbook for Teacher Certification* for the professional education requirements, and the criteria which must be met before acceptance into the Teacher Education Program (criteria for acceptance into certification programs are the same as stated for the freshman student). Transfer students or students changing majors may find it necessary to attend college beyond the usual four years.

Student Teaching. Students must make formal application for admission to student teaching prior to registration for the course. The criteria for admission to student teaching are stated in the *Student Handbook for Teacher Certification*.

151. Class Piano for Elementary Education. 1 cr. hr.

For students planning to teach in the elementary school classroom. Fundamentals of music with emphasis upon development of student's ability in playing the piano for classroom music. First and second semesters. (Fee charged)

205. Educational Psychology. 4 cr. hrs.

A survey of the psychological principles that have special application to the teaching-learning situation. The major topics of study include educational and psychological measurement, classroom dynamics, human development, and learning. Prerequisite: sophomore standing. First and second semesters.

210. Organization and Administration of the Elementary School. 2 cr. hrs.

A beginning course for those who plan to teach in the elementary school. Emphasis is given to the analysis of organizational designs and administration of the elementary school. The student is also introduced to a study of professional literature in elementary education. The course must be taken concurrently with Education 211 and 212. First and second semesters.

211. Techniques of Teaching in the Elementary School. 2 cr. hrs.

A study of teaching methods, teacher-pupil relationships and curriculum used in the elementary classroom. Students have opportunity to analyze their potential as elementary teachers through research projects and experiences in the classroom. The course must be taken concurrently with Education 210 and 212. First and second semesters.

212. Mini-Teaching in the Elementary School. 1 cr. hr.

The field experience component for Education 210-211. Visitation in public schools to study the open concept, team teaching, individualized instruction and learning centers and a mini-teaching experience in an elementary school classroom. This course must be taken concurrently with Education 210 and 211. First and second semesters.

221. Field Work in the Secondary Schools. ½ cr. hr.

Students are placed in a classroom which closely relates to their area of interest and are involved in seminars/advising to explore whether teaching should be their chosen career. This course must be taken concurrently with Education 310. First and second semesters.

234. Psychology and Education of the Exceptional Child I. 2 cr. hrs.

This course is designed for students seeking certification to teach in either the elementary or secondary grades. It deals with the identification of the various categories of "exceptionality" and an orientation to some of the special instructional strategies that have been found to be successful in the education of the exceptional child. (Also listed as Psychology 234.) First seven weeks. First and second semesters.

235. Psychology and Education of the Exceptional Child II. 2 cr. hrs.

A continuation of the study of the exceptional child begun in ED 234. This course emphasizes the practical application

of the principles and concepts from the prior course in classrooms and other institutional settings. Frequent field trips to schools, child care centers and other facilities constitute an integral part of the course. Students are encouraged to concentrate substantial proportions of their work in the course on areas of their own special interests. Prerequisite: Education or Psychology 234. Second semester, second seven weeks.

Professional Education Courses.

Education courses numbered 300 and above can be taken only one semester by those who have not been accepted into elementary or secondary education programs.

301. Teaching of Reading and the Language Arts in the Elementary School. 4 cr. hrs.

A study of methods, materials, and techniques used by elementary school reading and language arts teachers. Approaches to reading instruction and related language arts with opportunity to plan, implement, and evaluate lessons in a classroom situation. This course must be taken concurrently with Education 308 and 309. Second semester.

302. Children's Literature and Instruction in Individualized Reading Techniques. 4 cr. hrs.

Acquaints the student with the best literature for elementary school children. Development of standards and criteria for selecting materials according to interest, needs, and abilities of children at different age levels. First semester.

303. Analysis and Correction of Reading Disorders. 2 cr. hrs.

An introduction to specific methods for evaluating reading performance. Major topics of study include selection and administration of measures, interpretation of results, and developing prescriptive programs. Prerequisite: Education 301. First semester, first seven weeks.

307. Teaching of Reading in the Junior and Senior High School. 2 cr. hrs.

A study of factors involved in the reading process, and basic skills and techniques of teaching reading in the junior and senior high school. First and second semesters.

308. Clinical/Field Experience for the Elementary Teacher. 1 cr. hr.

This course is designed to integrate the concepts and skills of elementary methods and techniques courses and must be taken concurrently with ED 301/309. Second semester.

309. Mathematics for the Elementary Teacher. 4 cr. hrs.

Advanced mathematical content in the structure of the number system and methodologies in the teaching of content. Each emphasis is equivalent to two semester hours. This course must be taken concurrently with Education 301 and 308. Second semester.

310. Instructional Methodology. 2 cr. hrs.

A study of various instructional strategies, methods, techniques and approaches to teaching in the secondary schools. Special emphases include lesson planning, learning activities, and evaluation. Prerequisites: Education 205 and junior standing. First and second semesters, second seven weeks.

312. Science for Elementary Teachers. 2-4 cr. hrs.

Designed to acquaint the elementary school teacher with basic principles involved in teaching science in the elementary school. Stress is upon practical experiments and fundamental knowledge concerning earth and universe, life on earth, and energy of the universe. First semester.

318. Early Childhood Education Curriculum Methods and Materials. 2 cr. hrs.

An integrated approach providing ideas and suggestions for the total school day and for the total environment, aiding the prospective teacher in understanding what very young children can learn, how best to

EDUCATION

teach them, and with what materials.
Prerequisites: Education 210, 211 and 205.
First semester, seven weeks.

319. Early Childhood Education: Utilizing Family and Community Resources. 2 cr. hrs.

A study of how family and community resources can be utilized for a more effective early childhood education program. Second semester, first seven weeks.

322. Micro-teaching. 1 cr. hr.

A course dealing with the analysis and improvement of instructional activity through the use of both instructor and peer critiques and videotape recordings. Students design short instructional activities according to the principles presented in ED 310, Instructional Methodology, and carry them out in a videotaped role-playing situation. A self-analysis is written on each micro-lesson in which the student synthesizes the data from peers, the instructor, and the videotape and sets short range objectives for the improvement of his instructional behavior. Prerequisite: ED 310 (or concurrent enrollment). First and second semesters, second seven weeks.

323. Special Methods Field Work. ½ cr. hr.

Using the content and methodologies of the chosen teaching field by participating and teaching in a classroom situation. Students plan, teach, and evaluate at least one lesson in a classroom which emphasizes the subject matter of their approved teaching field. The student also engages in small group work and tutoring on a one-to-one basis. This course is taken concurrently with ED 310. First and second semesters.

330. Language Development for the Exceptional Child. 2 cr. hrs.

This course will begin with a study of normal language development in children and will stress an understanding of the major elements and structure of language. Disabilities in language functioning, assessment techniques, and language development or remediation for the exceptional student will be included as

major emphasis. Offered first semester, second seven weeks.

338. Teaching the Social Studies. 2 cr. hrs.

Responsible informed decision-making is developed in this course by sensitizing undergraduate students to the range of decisions they are likely to encounter as teachers of the social studies and by giving them experience in making these decisions. Students participate in lesson-planning, value-clarification, inquiry, and evaluation activities—all stressing decision-making. First semester, second seven weeks.

340. Teaching Science in the Secondary School. 2 cr. hrs.

Methods for teaching general science, biology, chemistry, and physics in the classroom and laboratory; objectives and organization of subject matter, evaluating the pupil's progress; selection and buying of supplies and equipment; and planning of laboratories.

342. Teaching English in the Secondary School. 3 cr. hrs.

A practical course in methods of teaching various phases of secondary English. Some observation of teaching will be included. Open only to those preparing to teach English. First semester, odd numbered years.

344. Teaching Foreign Language in the Secondary School. 2 cr. hrs.

Students will consider the best approach to the teaching of language, plan curriculum content, evaluate textbooks and other materials for teaching. Open to those preparing to teach foreign language.

345. Teaching Mathematics in the Secondary School. 2 cr. hrs.

Open to those who are preparing to teach high school mathematics. Methods of presenting the subject matter of mathematics courses taught in high school, the motivation of students, evaluation of results, evaluation and selection of texts and material. Drill in certain fundamentals of mathematics. References will be made to

topics of modern mathematics. Second semester. Odd-numbered years.

348. Teaching of Speech in the Secondary School. 2 cr. hrs.

A survey of the literature of speech, a unit in curriculum planning, and study of teaching methods in theatre, forensics and general speech. Offered first seven weeks in alternate years.

350. Teaching of Music for Elementary Teachers. 2 cr. hrs.

A study of the objectives, materials, curricula and methods of teaching music. Both semesters.

351. Methods in String Instruments. 2 cr. hrs.

The study of violin, viola, cello and bass. Teaching techniques for string instruments. Both semesters.

352. Methods in Woodwind Instruments. 2 cr. hrs.

The study of clarinet, flute, oboe, bassoon, and saxophone. Fundamentals of technique, maintenance and simple repairs. Examination and evaluation of teaching methods. Teaching techniques for woodwind instruments. Second semester.

353. Methods in Brass and Percussion Instruments. 2 cr. hrs.

The study of trumpet, trombone, euphonium, French horn, tuba, and percussion with emphasis on the teaching of these instruments. First semester.

358. Teaching of Art in the Secondary School. 2 cr. hrs.

The methods and teaching of art on the secondary level.

365. Teaching of Physical Education for Elementary School Teachers. 2 cr. hrs.

See course description for Physical Education 365.

393-394. Methods in Physical Education. 2 cr. hrs.

See course description for Physical Education 393-394.

400. Art for the Elementary Teacher. 2 cr. hrs.

A study of the methods, materials, and techniques employed by teachers of elementary school art. Students will plan primary and intermediate lessons, direct and evaluate elementary students in an art experience, complete specified art projects and develop a statement of teaching philosophy related to art. First and second semesters, first seven weeks.

404. Applied Analysis and Correction of Reading Disorders. 2 cr. hrs.

Students evaluate the performance of an individual student and design and implement a prescriptive program. Results of analysis and correction procedures will be organized as a case study. Prerequisite: Education 303. First and second semesters, second seven weeks.

410. Student Teaching for Elementary School Teachers. 3-8 cr. hrs.

(For elementary education major seniors who have been approved by the Education Committee.) This course provides for the elementary education major to observe and teach in a public school classroom all day for 8 weeks. The student is assigned to a cooperating teacher who works with the college supervisor to give the student an opportunity to teach under supervision. The student teacher must, during this time, develop in proficiency and assume complete responsibility for the children in the classroom for at least five consecutive school days. The principal and other school personnel cooperate to include, as nearly as possible, all of the experiences of a contract teacher. Application forms for student teaching must be completed prior to registration for the course. First and second semesters, last eight weeks of either semester.

411. Instructional Media. 2 cr. hrs.

A course dealing with the selection, utilization, and operation of audiovisual strategies and machinery. Emphasis is placed upon teacher-constructed materials for use in the classroom. Prerequisite: acceptance in a teacher certification program or consent of the instructor. First

EDUCATION

and second semesters, first seven weeks.

424. Student Teaching in the Secondary Schools. 3-8 cr. hrs.

Following observation of teaching, the student, under the direction of the public school cooperating teacher and the college supervisor, assumes responsibility for teaching. Activities include attendance at teacher's meetings, PTA meetings, group seminars and workshops on campus. Formal application must be made to the Committee on Education following the satisfactory completion of at least one semester after being accepted into secondary education programs. (See *Student Handbook* for specific details.) Application forms for student teaching must be completed prior to registration for the course. First and second semesters, last eight weeks of either semester.

430. Independent Studies in Education. 1-4 cr. hrs.

This course is provided for those students desiring or needing opportunities to pursue interests in any areas of concern to teachers.

439. Methods of Teaching Educable Mentally Retarded. 2 cr. hrs.

Methods, materials, and techniques employed by teachers of the educable mentally retarded. Special emphasis on designing individual educational prescriptions. Students work with educable mentally retarded children in a school setting. Prerequisite: Education 301, 308, and 309. Second semester, second seven weeks, even numbered years.

440. Methods of Teaching Learning Disabled. 2 cr. hrs.

This course is designed to introduce the student to the methods, materials, and techniques employed by teachers of the learning disabled. Special emphasis will be given to designing individual education prescriptions. Students will work with learning disabled children in a school setting. Prerequisites: Education 301, 308, and 309. First semester, second seven weeks, odd numbered years.

441. Methods of Teaching Behavior Disordered. 2 cr. hrs.

A study of the methods, materials and techniques employed by teachers of the behavior disordered in prescriptive programs. Students will compare models for managing behavior in regular classroom settings and structured learning environments. Prerequisites: ED 301, 308, 309. First semester, even numbered years.

450. Philosophical Foundations of Education. 4 cr. hrs.

The analysis of various philosophical positions and their influence upon educational rationale and practices with an emphasis upon the student's development of a personal philosophic perspective for teaching. First and second semesters, first seven weeks.

451. Music Methods in the Elementary School. 2 cr. hrs.

Methods, materials, and techniques for teaching music in the elementary school. Consent of the instructor. First semester.

452. Vocal Music in the Secondary School. 2 cr. hrs.

Methods, materials and techniques for teaching music in grades 7-12. Majors only. Second semester, first seven weeks.

453. Instrumental Methods in the School. 2 cr. hrs.

Methods, materials and techniques for teaching instrumental music in the public school. Majors only. Second semester, second seven weeks.

462. Vocal Pedagogy. 2 cr. hrs.

A study of comparative vocal pedagogy including concepts of vibrato, registers, dynamics, range, breathing, support, tone placement, resonance and voice classification. Practical application through observation and supervised teaching. Second semester.

English

Professor Dunham, chairman; Professor Shannon; Associate Professors, Canuteson, Harriman; Assistant Professors Munro, Robinson, Unger.

THE JOHN PHELPS FRUIT DEPARTMENT OF ENGLISH

English 100, Freshman Composition, is required for graduation and to assure writing competency. All students must pass a minimum competency, but are urged to achieve beyond the minimum.

Some students who are already capable writers should apply to the department chairman to take department-devised exams which rigorously demand demonstration of competency in composition. Successfully passing the exam will earn advanced placement in English 210 or 212 or in 320 combined with another two hours of writing.

After achieving the required writing competency, either in English 100 or by the advanced placement method, students will be expected to maintain that competency or an even higher standard. If a professor finds a student's writing to be below standard, that student will be referred to the English department for additional or remedial work.

A literature course of four hours is required to assure that the student has examined features of life and values by reading and understanding literature. The courses which fulfill this requirement are indicated by an asterisk (*) beside each course number. English 200, Studies in Literature, is specifically designed for the student with minimal background in literary study and a general interest. Because various subjects are offered each semester in this course, a student may take more than one semester of English 200 as long as the subject matter is not duplicated. All English courses except English 100 and 110 apply toward fulfillment of the humanities group requirement for graduation; two English 200 courses, if the subjects are different,

will apply toward fulfilling that requirement. Freshmen may not enroll for English 200 or above, without specific permission to do so.

English major: A minimum of twenty-four semester hours is required of each student; the maximum possible is forty semester hours (neither limit includes English 100).

Courses taken for the major should include any two of the survey courses (400, 410, 420) and at least one course in writing (210, 212) or in linguistics (300). In addition, students must be responsible for a brief reading list, and must demonstrate ability at intense literary concentration on one writer by doing a senior project. In fulfilling the general requirements for graduation, English majors are expected to choose those courses which pertain to their personal educational goals; other elective courses should introduce the major to new experiences in the humanities and social sciences and deepen his understanding of his total environment. Students are expected to fulfill the language requirements with French, German, or Spanish. English study is a major only within the B.A. program.

Students majoring in English may receive certification to teach English in grades 7-12 in the State of Missouri by completing the General Education, Professional Education, and Teaching Field Requirements outlined in the *Student Handbook* for Teacher Certification, available in the department of education office.

Classes in the English department range across the many possibilities of teaching method, expected student activity and content. All are based on the importance of the English language, usually in literary works, to develop reading understanding, writing skills, the demonstration of the literal and figurative possibilities of combined language, thought, and feeling, and the exercise of humane values.

100. Freshman Composition. 4 cr. hrs.
Required of all students, though students

ENGLISH

who prove their competency by means of satisfactory completion of a rigorous English department-devised test may receive advanced placement. Those who choose to take the course or who do not test out will receive individual attention to develop a clear, logical, and organized manner of writing. Approaches will be varied from section to section; a significant portion of the course grade will be determined by a staff-graded final essay examination. Offered every semester.

English 100 and passing the writing proficiency test are prerequisites for all other English courses. No written work can receive credit in English courses unless it meets the standards for writing established for passing English 100.

200. *Studies in Literature. 4 cr. hrs.
A literary study especially for non-English majors and for fulfilling the literature requirement for graduation. Multiple sections offered every semester. Various specified sections will be stipulated (examples: Autobiography; Poetry; Tragedy and Comedy; Women and Literature: Introduction to Literature). A student may take more than one semester of English 200 as long as the subject matter is not duplicated. English 100 is prerequisite. Offered every semester.

210. Creative Writing. 4 cr. hrs.
A development of the techniques and practices of writing short stories and poetry through intense experimentation and small-group criticism and exchange. Limited enrollment. English 100 is prerequisite. Offered every semester.

212. Essay Reading and Writing. 4 cr. hrs.
A development of the techniques and practices of reading and writing essays of a variety of types. Reading, vigorous output, and small-group criticism and exchange are combined. English 100 is prerequisite. Limited enrollment.

220. *Studies in Literary Theme and/or Motif. 4 cr. hrs.
A literary exploration of the recurrent

ideas, values, images, and visions that man has had and felt about self, mankind, society, and the universe. The specific course offered in a given semester may isolate one theme and trace it through world literature or delineate several themes in the literature of one nation or period of time. Fulfills the literature requirement for graduation.

240. *Studies in Literary Form (Genre). 4 cr. hrs.
An exploration of the possibility of literary expression within a particular literary form. Examples of a specific course offered in a given semester might be: The Development of Drama Since Its Beginning, The Novel, Poetry, The Short Story. Fulfills the literature requirement for graduation.

300. Introduction to the Study of Language. 5 cr. hrs.
Development of human language; language acquisition, structure, and change; language in culture are topics in the course. English 100 or success on the Proficiency Test of Writing Skill are prerequisites.

310. Composition for Teachers. 2 cr. hrs.
A development of writing skills to an advanced competence especially for candidates for teacher certification. Goals include clear, easy, confident written expression and an understanding of how writing takes its place in learning. For all students seeking certification. Prerequisite: successful completion of Freshman Composition.

320. Technical Writing. 2 cr. hrs.
A development of writing skills to an advanced competence, especially for students anticipating careers in business or in science. Emphasis will be on the mental judgments and processes and the skills needed for writing reports, letters, memos and other communications with clarity, ease of understanding, organization and correctness.

330. *Studies in Major Literary Writers. 4 cr. hrs.
A study of the works of one or two or few major writers in quantity, providing an

opportunity to learn about the creative process as it works through the life of the author or poet. Emphasis will be placed on dominant themes, motifs, and stylistic characteristics. Fulfills the literature requirement for graduation.

400. *Survey of English Literature Before 1800. 4 cr. hrs.

A study of major writers from the middle ages through the 18th century. Prerequisite: 4 hours of literature. Alternate years. First semester, 1982-83.

410. *Survey of English Literature Since 1800. 4 cr. hrs.

A study of major writers, except the Victorian novelists, of the Romantic, Victorian, and Modern periods. Prerequisite: 4 hours of literature. Alternate years. First semester, 1983-84.

420. *Survey of United States Literature. 5 cr. hrs.

A study of major writers and movements in U.S. literary history, including major U.S. ethnic literatures and a unit on adolescent literature. Prerequisite: 4 hours of literature. Second semester each year.

**The above three courses present the sweep of the central English-language literary works, writers, movements, and traditions. Each fulfills the literature requirement for graduation.*

430. *Studies in Major Works of Literature. 4 cr. hrs.

A study of an important work or works of literature in depth. Organizing principles may vary. For the advanced student of literature. Fulfills the literature requirement for graduation.

440. Literature Seminar. 4 cr. hrs.

A provision for opportunities for the most mature specific literary studies and challenges to the English major or the most serious literature students. Prerequisite: 12 hours of literature courses.

Individual Projects. Opportunities for independent and tutorial study are an important part of the English curriculum, providing alternative learning possibilities

for students with special interests. Before enrolling in an individual project, students are to formulate a proposal which presents sound rationale, methods and approaches, requirements, materials, and goals to be attained. The highest educational standards and most rigorous endeavors will be expected. Freshmen should seek specific approval before writing the proposal. Projects should be completed two weeks before the end of the semester. (See *Guidelines for Individual Projects*, available from any professor.)

250, 350, 450. Individual Writing Project. 1-4 cr. hrs.

260, 360, 460. Individual Readings Project. 1-4 cr. hrs.

270, 370, 470. Individual Practicum Project. 1-4 cr. hrs.

Film

Humanities 245: Introduction to Film. 4 cr. hrs.

A study of the history of the development of cinema, the steps involved in making a film, the "visual language" of film, the work of a few major directors with emphasis on stylistic differences among them, the film criticism. Open to sophomores, juniors, and seniors. Applies toward fulfillment of the Humanities group requirement for graduation.

Geography

304. World Geography. 4 cr. hrs.

A regional approach to the study of world geography, based on economic achievement and processes of development in each of the regions studied. Three aspects of development are considered: (1) the people (demographic characteristics); (2) the natural environment; (3) the culture (belief systems, life style, customs, etc.). The regions studied will include the U.S.A., Canada, Western Europe, Eastern

HISTORY

Europe, the USSR, Japan, Australia and New Zealand; Latin America, Africa, Middle Eastern countries and Asia. Offered first semester only.

Geology

201. Earth Science. 4 cr. hrs.
A study of the atmosphere, hydrosphere and lithosphere. Such topics as weather, climate, space, rocks, minerals, and streams are covered. This laboratory course meets the requirement for teacher certification. Methodology of teaching is audio-tutorial. No prerequisites. First and second semester.

History

*Professor Cuthbertson, chairman;
Professor Rice, Associate Professor
Chatlos.*

Major: Thirty semester hours including eight hours of American history and eight hours of European history. One of the following courses may apply to the major: geography, art history, Political Science 211 or 311. History 204 is required of those preparing to teach or to attend graduate school in history.

Prerequisites: No history course has a prerequisite. Freshmen will not be admitted to courses numbered above 300.

A student may enroll for either half of a course with double numbers (Example: 301-302) for seven weeks and two hours credit with the instructor's approval.

History majors are encouraged to make use of overseas programs.

Secondary Teaching Certificate in Social Studies: see the department of education listings.

101. Western Civilization to 1660. 4 cr. hrs.
Introduction to the study of history as a liberal art. Provides a basis for a better understanding of American society by

looking at its antecedents in Western Civilization. Those civilizations and eras which have contributed most in art, government, religion and social structure will be stressed. First semester.

102. Western Civilization 1660 to the Present. 3 cr. hrs.
A continuation of History 101, which however, is not a prerequisite. Second semester.

204. Methods of Historical Research and Writing. 2 cr. hrs.
The nature of history, historical evidence, the process of collecting data, external and internal criticism of evidence, and communicating historical ideas. Students will carry out a substantial research and writing project. Alternate years. First semester, 1983.

221. History of the United States: Colonial and Early National Periods. 4 cr. hrs.
A balanced emphasis on the political, social and economic forces which shaped national life up to 1865. Each semester.

222. History of the United States, 1865 to the Present. 4 cr. hrs.
A general survey of the nation's history since the Civil War. Emphasis is on the period since 1900. Each semester.

223. History of England. 4 cr. hrs.
This course will acquaint students with major historical developments in English history from the Roman Empire to the present: Ancient and Medieval England; Tudor and Stuart Era; 18th, 19th and 20th centuries. Alternate years. Second semester, 1985.

301-302. United States Diplomatic History. 4 cr. hrs.
A study of the role of the United States in international affairs and its relations with individual countries. Special attention is given to the evolution of policies and diplomatic vocabulary. Either half of the course may be taken for seven weeks and two hours credit. Alternate years. First semester, 1982, 1984.

303. Intellectual History of the United States. 4 cr. hrs.

A selective introduction to the history of American thought. Emphasis is on the period following the Civil War. Alternate years. Second semester, 1984.

310-311. Survey of Ancient History. 4 cr. hrs.

Survey of the ancient world, beginning with prehistory and considering the Ancient Near East, Egypt, the Hellenistic World and Rome. Either half of the course may be taken for seven weeks and two hours credit. Alternate years. Second semester, 1983.

312-313. Europe in the Middle Ages. 4 cr. hrs.

A study of European life between the fall of the ancient empires and the rise of modern nation-states: Life on the manor and in the town, religious developments, the Crusades and romantic war, artistic styles and economic patterns. Alternate years. First semester, 1983.

314-315. Renaissance and Early Modern Europe to 1560. 4 cr. hrs.

A study of the Renaissance and Reformation which emphasizes the interrelationship between culture, economics, politics and religion. Either half of the course may be taken for seven weeks and two hours credit. Alternate years. First semester, 1983.

316-317. Europe in the Age of Absolutism and Enlightenment. 4 cr. hrs.

Considers such topics as the "wars of religion," the "crisis" of the early seventeenth century state, absolutism, enlightened despotism, mercantilism, the Enlightenment, the scientific revolution and international relations. Either half of the course may be taken for seven weeks and two hours credit. Alternate years. Second semester, 1984.

318-319. The Formation of Modern Europe. 4 cr. hrs.

A survey of the French and Russian Revolutions, liberalism, nationalism, socialism, imperialism, totalitarianism, fascism, the industrial revolution and

World War. Either half of the course may be taken for seven weeks and two hours credit. Alternate years. First semester, 1984.

320-321. The Communist Nations in Europe. 4 cr. hrs.

A survey of the background and history of the Communist states in Eastern Europe and the Soviet Union. Emphasis will be on the Soviet Union, its internal developments and relations with the rest of the world. Alternate years. Second semester, 1983.

322-323. History of Latin America. 4 cr. hrs.

A historical survey of Latin American countries. Emphasis is placed on those political and cultural factors which will aid the North American student in his understanding of nations of Hispanic culture. Alternate years. First semester, 1982, 1984.

324. The Far East. 4 cr. hrs.

A comparative study of Japan and China in the 19th and 20th centuries. Major consideration will be given to the ways in which both countries adjusted traditional institutions and values to the threat of the aggressive, industrialized, technologically-advanced West. Second semester, 1983.

401-402. Readings in History. 1-2 cr. hrs.

In consultation with a supervising professor in the department, the student selects a group of readings concentrated in one historical era or country. Written reports will usually be required. For seniors; others admitted by consent. May be repeated.

403, 404. Seminar or Independent Studies. 1-4 cr. hrs.

Seminars and individual projects under the supervision of the history department.

Independent Study

200, 300, 400. Independent Study. 1-8 hrs.

250, 350, 450. Independent Study. 1-8 hrs.
Group project.

LANGUAGES

Languages

*Assistant Professor Vera, chariman;
Assistant Professors Griffith, Roberts, C. Vera.*

Modern

Courses 111, 112, and 211 meet the three semester requirement for the B.A. degree. Students who start above 111 satisfy the requirements by completing 211, or four hours at a higher level.

Any entering student may take a placement examination during fall orientation and before the second semester during Winterim for possible granting of credit towards graduation, equivalent to French, Spanish or German 111 and/or 112 (maximum credit allowance, 8 hours). This examination is required for all entering students having more than one year of high school French, Spanish or German who enroll in any language class. The fee for credit granted is \$15 per credit hour.

Students who major in French are required to complete twenty-four semester hours in courses numbered 300 or above in French. French 301 and 302 (Composition and Conversation) are required of all majors.

Spanish majors must complete twenty-four credit hours in literature or culture courses numbered 300.

Students completing a second major in French or Spanish must complete the General Education requirements for the bachelor of arts degree.

A student may earn a "Certificate of General Proficiency" in French, German and Spanish by completing twenty-four credit hours of work in the language chosen. The curriculum consists of sixteen credit hours of basic and intermediate work (French, German, or Spanish 111, 112, 211, 212) or the equivalent, plus eight credit hours of advanced work (French or German 301, 302). A 300-level course in literature or civilization is recommended.

For a "Certificate of General Proficiency" in Spanish, the courses 301, 302, 303, and 304 are required. Students in the program

are expected to maintain a B average in the program offerings and to pass a final examination administered by the department of languages.

115, 215. Directed Study. 2-4 cr. hrs.
For special cases only, primarily upper classmen or transfer students who need partial credit to finish out the elementary or intermediate courses, or students who have valid scheduling problems. Prerequisites for 115: the equivalent of 111 and consent of instructor. Prerequisites for 215: the equivalent of 112 and consent of instructor.

411, 412. Tutorial in French or Spanish. 1-4 cr. hrs.

Extensive directed study in an area of special interest to the student, with preparation and presentation of reports. Prerequisites: consent of the instructor. Offered either semester as needed.

414. Senior Colloquium in French or Spanish. 4 cr. hrs.
For seniors who have completed the major but wish to continue actively in the language. It will deal with topics of interest to the students and will be conducted in the language. Prerequisite: major or the equivalent in either French or Spanish.

FRENCH

111. Elementary French, I. 4 cr. hrs.
Emphasis on all four elements of the language: listening, speaking, reading, writing. Students will be required to attend five class sessions per week and will be required to spend one hour per week in the LRC.

112. Elementary French, II. 4 cr. hrs.
A continuation of the study of essentials of grammar with further practice in conversation, composition and reading. Prerequisite: French 111 or its equivalent. Second semester.

211. Intermediate French, I. 4 cr. hrs.
Review of grammar, further practice in conversation and composition, with emphasis on French culture. Prerequisite:

LANGUAGES

112 or its equivalent. First semester.

212. Intermediate French, II. 4 cr. hrs.
Introduction to French literature and culture. Extensive reading in French to prepare students for the more advanced courses in literature and the humanities. Prerequisite: 211 or its equivalent. Second semester.

301. French Composition and Conversation, I. 4 cr. hrs.
An advanced course to improve student competency in writing and speaking the language. Prerequisite: 212 or its equivalent. Alternate years.

302. French Composition and Conversation, II. 4 cr. hrs.
An advanced course to improve on the skills acquired in French 301, giving the student further practice in conversation and composition, as well as an introduction to French phonetics. Prerequisite: French 301 or consent of the instructor. Alternate years.

307. French Civilization. 4 cr. hrs.
Extensive reading in French dealing with the origin and development of the French nation with emphasis on the cultural aspects. Prerequisite: 212 or its equivalent. Alternate years.

311. Survey of French Literature, I. 4 cr. hrs.
An overall view of the development of French literature from the beginning through the eighteenth century with extensive reading from selected authors. Prerequisite: 212 or its equivalent. Alternate years.

312. Survey of French Literature, II. 4 cr. hrs.
A continuation of 311, with an overall view of French literature from the beginning of the nineteenth century to the present. Prerequisite: 212 or its equivalent. Alternate years.

313. Twentieth Century France: Literature and Civilization. 4 cr. hrs.
An in-depth study of France, its literature

and civilization, from 1900 to the present. Prerequisite: French 212 or equivalent plus 4 hours in French at the 300 level or above.

GERMAN

111. Elementary German, I. 4 cr. hrs.
This first course starts with pronunciation and moves into the essentials of grammar. There is practice in conversation, composition and reading. First semester only.

112. Elementary German, II. 4 cr. hrs.
A continuation of the study of essentials of grammar with further practice in conversation, composition and reading. Prerequisite: German 111 or its equivalent. Second semester only.

211. Intermediate German, I. 4 cr. hrs.
Review of grammar, further practice in conversation and composition, reading from representative German authors. Prerequisite: 112 or its equivalent. First semester only.

212. Intermediate German, II. 4 cr. hrs.
Introduction to German literature and culture. Prerequisite: 211 or its equivalent. Second semester.

301. German Composition and Conversation, I. 4 cr. hrs.
An advanced course to improve student competency in writing and speaking the language. Prerequisite: German 212 or the equivalent. First semester.

302. German Composition and Conversation, II. 4 cr. hrs.
An advanced course to improve on the skills acquired in German 301, giving the student further practice in conversation and composition. Prerequisite: German 301, or consent of the instructor. Second semester.

SPANISH

111. Intensive Beginning Spanish, I. 4 cr. hrs.
Begins with pronunciation and moves into the essentials of grammar. There is practice

LANGUAGES

in conversation, composition, and reading. Students will have two class sessions on a 4-day week schedule: one with the instructor and one with an apprentice teacher. Use of recorded material at the Learning Resource Center is required, to be done at the individual student's convenience. First semester.

112. Intensive Beginning Spanish, II.

4 cr. hrs.

A continuation of the study of essentials of grammar with further practice in conversation, composition and reading. Prerequisite: Spanish 111 or its equivalent. Students will have two class sessions on a 4-day week schedule: one with the instructor and one with an apprentice teacher. Use of recorded material in the Learning Resource Center is required, to be done at the individual student's convenience. Second semester.

211. Intermediate Spanish, I.

4 cr. hrs.

Review of grammar, further practice in conversation and composition, reading from representative Spanish and Latin-American authors. Students will meet with the instructor four class sessions each week, and individual assignments will be given to students with special problems. Prerequisite: 112 or its equivalent. First semester.

212. Intermediate Spanish, II.

4 cr. hrs.

Introduction to Spanish literature and culture. Extensive reading in Spanish to prepare students for the more advanced courses in literature. Students will meet with the instructor four class sessions each week, and individual assignments will be given to students with special problems. Prerequisite: 211 or its equivalent. Second semester.

301. Advanced Spanish Composition and Conversation: Practical Emphasis, I.

2 cr. hrs.

An in-depth study of essentials of Spanish grammar and concentrated practice of spoken Spanish. Emphasis on the practical Spanish used in everyday life and in the business community. Prerequisite: Spanish 212 or equivalent.

302. Advanced Spanish Composition and Conversation: Practical Emphasis, II.

2 cr. hrs.

An in-depth study of essentials of Spanish grammar and concentrated practice in spoken Spanish. Emphasis on the practical Spanish used in everyday life and in the business community. Prerequisite: Spanish 212 or equivalent.

303. Advanced Spanish Composition and Conversation: Literary Emphasis, I.

2 cr. hrs.

An in-depth study of essentials of Spanish grammar and concentrated practice of spoken Spanish. Emphasis will be on topics of interest to the literature student, and the written work will include some creative writing. Prerequisite: Spanish 212 or equivalent.

304. Advanced Spanish Composition and Conversation: Literary Emphasis, II.

2 cr. hrs.

An in-depth study of essentials of Spanish grammar and concentrated practice of spoken Spanish. Emphasis will be on topics of interest to the literature student, and the written work will include some creative writing. Prerequisite: Spanish 212 or equivalent.

307. Hispanic Civilization and Culture.

4 cr. hrs.

A study of the history and cultures of Spain and Spanish America. In-depth consideration of Hispanic art, architecture, music, literature and philosophy. Prerequisite: Spanish 212 or equivalent.

308. Survey of Spanish American Literature.

4 cr. hrs.

A study of the representative works of Spanish America since the days of exploration and conquest. Emphasis is placed on the literature of the 19th and 20th centuries. Prerequisite: Spanish 212 or equivalent.

309. Survey of Spanish Literature, I.

4 cr. hrs.

A study of the best of the literature from the Middle Ages until the 18th century. Special attention is paid to the "Golden Age" of

Spanish literature in the 16th and 17th centuries. Prerequisite: Spanish 212 or equivalent.

310. Survey of Spanish Literature, II. 4 cr. hrs.

A study of the best of the literature beginning in 1700 with extensive readings of authors in Spain, particularly those of the 20th century. Prerequisite: Spanish 212 or equivalent. Alternate years.

JAPANESE

111. Elementary Japanese, I. 4 cr. hrs.

Begins with pronunciation and moves into the essentials of grammar. There is extensive practice in speaking and reading. Self-instructional method. Prerequisite: sophomore, junior, or senior standing; at least a B average; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

112. Elementary Japanese, II. 4 cr. hrs.

A continuation of the study of the essentials of grammar, with further practice in speaking and reading. Taught by self-instructional method. Prerequisites: Japanese 111 or the equivalent; sophomore, junior, or senior standing; at least a B average; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

211. Intermediate Japanese, I. 4 cr. hrs.

Further practice in speaking and reading Japanese. Basic skills in writing Japanese are introduced. Taught by self-instructional method. Prerequisites: Japanese 112 or the equivalent; sophomore, junior, or senior standing; at least a B average; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

212. Intermediate Japanese, II. 4 cr. hrs.

This course provides extensive practice in spoken Japanese. Further practice in reading and writing progressively more complicated material. Prerequisites: Japanese 211 or the equivalent; sophomore, junior, or senior standing; at least a B average; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

311. Advanced Japanese, I. 4 cr. hrs.

Extensive practice both in written and spoken Japanese. Refines the student's knowledge of Japanese language as preparation for more advanced courses introducing literature. Prerequisite: Japanese 212 or the equivalent; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

312. Advanced Japanese, II. 4 cr. hrs.

Continued practice in written and spoken Japanese, and an introduction to basic literary readings. Prerequisite: Japanese 311 or the equivalent; permission from the chairman of department of languages. There is a \$50.00 examination fee for this course.

411. Introduction to Japanese Literature, I. 4 cr. hrs.

Continued practice in written and spoken Japanese. Application of language skills to the study of basic literary works. Prerequisite: Japanese 312 or the equivalent; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

412. Introduction to Japanese Literature, II. 4 cr. hrs.

Continued practice in written and spoken Japanese. Application of language skills to the study of basic literary works. Prerequisite: Japanese 411 or the equivalent; permission from the chairman of the department of languages. There is a \$50.00 examination fee for this course.

LANGUAGES/MATHEMATICS

Classics

THE ROBERT BAYLOR SEMPLE
DEPARTMENT OF CLASSICS

GREEK

111-112. Elementary New Testament Greek. 4 cr. hrs. each
Inflection, syntax, word formation and vocabulary building are emphasized along with reading simple passages from the Greek New Testament.

213. New Testament Greek. 4 cr. hrs.
The vocabulary, inflection, syntax, and style of Koine Greek is studied as it appears in the literature of the New Testament. The student becomes familiar with the standard grammars, lexicons, dictionaries, commentaries, and other resources to gain competency in reading and interpreting the New Testament. Selected portions of the New Testament will be exegeted.

311-312. Independent Study. 4 cr. hrs.
A program of extensive directed study in an area of special interest to the student, with preparation and presentation of reports in class. Enrollment by consent of instructor. Offered on demand. The following courses are also available for students interested in Classical Studies.

LATIN

111-112. Elementary Latin. 4 cr. hrs. each
Inflection, syntax, word formation, vocabulary building are emphasized. In the application of grammar, translation will move from simple to more complex.

213. Intermediate Latin. 4 cr. hrs.
Builds on a foundation of grammar attained in 111-112. Emphasis is on readings from a variety of Latin sources.

310-311. Survey of Ancient History. 4 cr. hrs.
See course description for History 310-311.

301. Philosophy (Ancient and Medieval). 4 cr. hrs.
See course description for Philosophy 301.

Mathematics

Professor Thoman, chairman; Associate Professor Mathis; Assistant Professor Sherrick; Instructor Barnes.

B.A. in Mathematics

Major: 32 semester hours including Mathematics 199, 200, 201, 281, and 3 units whose numbers are 300 or above.

Students completing a second major in mathematics must complete the General Education requirements for the bachelor of arts degree.

B.S. in Mathematics with Data Processing Emphasis

Major: Mathematics 125, 199, 200, 201, 215, 225, 235, 281, 305, 4 hours in 300- or 400-level mathematics courses, excluding 490; Accounting 211, 221; Business Administration 326; Economics 201, 202.

Students majoring in mathematics may receive certification to teach mathematics in grades 7-12 in the State of Missouri by completing the General Education, Professional Education and Teaching Field Requirements outlined in the *Student Handbook for Teacher Certification*, available in the department of education office.

105. Structure of the Number System.

4 cr. hrs.
Develops basic vocabulary and concepts of the number system, including topics of geometric and algebraic extensions. Prerequisite: less than three units of high school mathematics or elementary education majors. Each semester.

125. Introduction to Computing and Data Processing.

4 cr. hrs.
An introduction to the concept, history and uses of computing systems. A study of data processing techniques and an introduction to BASIC & FORTRAN languages. Satisfies science requirement. Each semester.

145. Introduction to College Mathematics.

4 cr. hrs.

Topics will be selected from algebra, analytic geometry, probability and statistics to give an insight into the nature, role and scope of mathematics with emphasis on algebra. Prerequisite: three years of high school mathematics; no senior math analysis or calculus.

199. Calculus I.

4 cr. hrs.

An introduction to the concepts of limits, continuity and the derivative. Includes the techniques and applications of the derivatives and differentials of the elementary functions. Prerequisite: three units of high school mathematics. First semester.

200. Calculus II.

4 cr. hrs.

A continuation of MA 199 including the derivative of transcendental functions and single variable integral calculus. Prerequisite: Calculus I or advanced placement. Second semester.

201. Calculus III.

4 cr. hrs.

Sequences, series, solid analytic geometry and multivariate calculus. Prerequisite: MA 200 or advanced placement. First semester.

202. Calculus IV.

4 cr. hrs.

Ordinary differential equations. Solution of differential equations by operators, power and Fourier series and Laplace transforms are included. Prerequisite: MA 201. Second semester.

215. COBOL—Programming and Applications.

4 cr. hrs.

Introduction to the application of computing in business using COBOL and a structured approach to programming. Prerequisites: MA 125 recommended but not required. First semester-evening. Second semester-daytime.

216. Elementary Statistics for Social Sciences.

4 cr. hrs.

A first course in statistics for students in education and the social sciences. Collection, interpretation and presentation

of statistical data. No mathematical background assumed. Each semester.

225. Assembler Language.

4 cr. hrs.

Major emphasis on learning the machine-oriented assembler language. Content will include the number systems, data representations, and instruction formats associated with machine languages. Labs will be used to acquaint the student with the software and system operations involved in compiling and executing ASSEMBLER language programs in a disc-operating system. Prerequisite: MA 125 or equivalent. Second semester.

235. Systems Analysis.

4 cr. hrs.

An introduction to the role of the systems analyst in analyzing and designing a data processing system. Knowledge of BASIC and COBOL is assumed. Prerequisite: MA 215. Second semester.

281. Applied Linear Algebra.

4 cr. hrs.

Development of the algebra and calculus of matrices, introductory theory of vector spaces and eigenvectors with particular attention to topics that arise in applications. Applications include the use of matrices to represent arrays of data, least squares approximations to data, the concept of the generalized inverse and linear programming. Attention is also given to numerical methods for solving systems and the eigen-value problem. Prerequisite: Math 199 or equivalent. First semester.

301. College Geometry.

3 cr. hrs.

A study of Euclidian Geometry, finite geometries, and non-Euclidian geometries. Prerequisites: junior standing or consent of instructor.

305. Introduction to Probability and Mathematical Statistics.

4 cr. hrs.

An introduction to probability spaces, distribution and estimation theory with emphasis on model building. Prerequisite: MA 201. Second semester.

335. Numerical Analysis.

4 cr. hrs.

A study and analysis of the numerical methods of solving algebraic and

MUSIC

transcendental equations, ordinary and partial differential equations in integration and other mathematically expressed problems. Prerequisite: MA 200 and MA 125. Second semester.

347. Abstract Algebra. 4 cr. hrs.

An introduction to groups, rings, integral domains and fields. Course material includes LaGrange's Theorem, isomorphism theorems, Caley's Theorem, Sylow's Theorem, polynomial rings and ideals. Prerequisite: MA 201. Each semester.

410. Analysis I. 4 cr. hrs.

A rigorous approach to the study of functions, limits, continuity, differentiation and integration of functions of one and several variables. First semester.

420. Analysis II. 4 cr. hrs.

A continuation of MA 410 which includes a study of the complex plane and functions of a complex variable, power series, improper integrals and some special functions. Second semester.

451. Advanced Mathematics Seminar. 4 cr. hrs.

Special topics in advanced mathematics for juniors and seniors to provide advanced study opportunities in analysis, algebra and applied mathematics.

490. Independent Study. 1-4 cr. hrs.

Approved on- or off-campus projects in independent research and reading by mathematics majors.

Music

Professor Brown, chairman; Professors Posey, Riddle, Wilder; Associate Professor Epley; Assistant Professors David, Emig, Permenter, Robinson, Schaefer.

The music department, an associate member of the National Association of Schools of Music, offers two degrees: the bachelor of arts and the bachelor of science.

Teacher certification in vocal (K-12), instrumental (K-12) and combined vocal/instrumental (K-12) is available through the bachelor of science degree program. Additional information about music education is available from the student's major advisor, the *Music Department Student Handbook*, and from the *Student Handbook for Teacher Certification*, which may be obtained from the department of education office.

Both degrees require 124 credit hours for graduation (exclusive of required ensemble credits).

Under the bachelor of arts degree, 40 hours of music credit are allowed (exclusive of required ensemble credits). The core music requirements are as follows: 18 hours of basic musicianship/theory, 8 hours of history/literature, 2 hours of conducting, 12 hours of applied study.

Within the bachelor of science program, 60 hours of music are required (exclusive of required ensemble credits). All students complete a common core of music studies which includes: 14 hours of basic musicianship/theory, 8 hours of history, 4 hours of conducting, 6 hours of piano, 4 hours of counterpoint/analysis, and 12 hours of applied study for a total of 48 hours. The remaining 12 hours are elective and may be selected to support the student's professional goals: public school music, church music, performance, theory/composition, or private teaching. Specific programs are included in the *Music Handbook* available on request from the music office.

Students may choose to complete majors in two areas, e.g., music and business, music and communication, or develop a self-designed major. Such options must have the permission of the chairman and dean of the college.

Music, except applied music numbered below 200 and all performing groups, can be counted toward Humanities credits in completing the General Education Program

I curriculum or the distribution component of Program II, Foundations for the Future.

Music Theory. All students should be prepared to take Music 101a-b-c, 102a-b-c, 201a-b, and 202a-b as complete four-hour courses. Exceptions to this are: (1) Qualified students who pass a “quiz-out” of a portion of the course; and (2) Students in the liberal arts interdisciplinary studies who receive written permission of the instructor and department chairman.

101. Introduction to Basic Musicianship. 4 cr. hrs.

101a. Introduction to Basic Musicianship: Music Literature. (2 cr. hrs.) A general introduction to the elements of music, its forms, historical periods, and representative literature. First semester.

101b. Introduction to Basic Musicianship: Music Fundamentals. (1 cr. hr.) A detailed aural and written study of basic theoretical concepts, the elements of music, and music notation. First semester.

101c. Introduction to Basic Musicianship: Keyboard Harmony I. (1 cr. hr.) Application of theory to the keyboard: chord study; harmonization of melodies; transposition; modulation; scales and cadences; sight reading. First semester.

102. Music Theory and Ear Training I. 4 cr. hrs.

102a. Music Theory I: Diatonic Harmony. (2 cr. hrs.) A study of the principles of diatonic harmony, nonchordal tones, and modulation, including four-part writing, analysis, and creative work. Prerequisite: Music 101b. Second semester.

102b. Music Theory I: Ear Training. (1 cr. hr.) Sightsinging and dictation of diatonic scales, intervals, triads, rhythmic groups, and tonal melodies. Prerequisite: Music 101b. Second semester.

102c. Music Theory I: Keyboard Harmony II. (1 cr. hr.) Continuation of Keyboard Harmony I. Prerequisite: Music 101c. Second semester.

201. Music Theory and Ear Training II. 4 cr. hrs.

201a. Music Theory II: Chromatic Harmony. (3 cr. hrs.) A study of the principles of chromatic harmony and modulation to distantly related tonalities, with a continuing emphasis on writing and analysis. Prerequisite: Music 102a. First semester.

201b. Music Theory II: Ear Training II. (1 cr. hr.) Sightsinging of tonal melodies, canons, and part music in treble, bass, and C-clefs. Dictation of tonal melodies, rhythmic groups, harmonic intervals, and two and four-part music. Prerequisite: Music 102b. First semester.

202. Music Theory and Ear Training III. 4 cr. hrs.

202a. Music Theory III: Twentieth Century Harmony. (3 cr. hrs.) A study of the techniques of impressionism, and investigation of serial aleatoric, and electronic practices. Prerequisite: Music 201a. Second semester.

202b. Music Theory III: Ear Training III. (1 cr. hr.) Sightsinging of tonal, atonal, and modal melodies, canons, and part music. Dictation of tonal, modal, and atonal melodies, rhythmic groups, and two-three-, and four-part music. Prerequisite: Music 201b. Second semester.

301. Music Theory IV: Counterpoint. 2 cr. hrs.

A study of 18th century contrapuntal techniques, including analysis of representative literature and creative writing. Prerequisite: Music 202a. First semester.

302. Form and Analysis. 2 cr. hrs.

A study of the classical forms in music and analysis of representative works of different musical forms and historical periods. Prerequisite: Music 202a. First semester.

401. Instrumentation. 2 cr. hrs.

A study of the acoustical and timbral properties of wind, string, and percussion instruments, and experience in scoring for

MUSIC

various combinations of these instruments.
Prerequisite: Music 201 or permission of instructor. Second semester.

402. Composition. 2 cr. hrs.
A study of the techniques and practical experience in the composition of the smaller musical forms for both the instrumental and vocal media. Prerequisite: Music 201 and 401 or permission of instructor. Second semester.

403. Arranging. 2 cr. hrs.
A study of the techniques involved in and practical experience in the arranging of existing music for both the instrumental and vocal media. Prerequisite: Music 201 and 401 or permission of instructor. First semester.

HISTORY AND APPRECIATION

140. Music Appreciation. 4 cr. hrs.
Open to all students desiring an understanding of music as an element of liberal culture. Designed to develop competence in listening to music and to offer meaningful experiences in legitimate music. Previous training in music not required. Non-majors only. Both semesters.

341. History of Western Music. 3 cr. hrs.
A survey of music of Western Civilization through the Baroque Era. Approval of instructor. First semester.

342. History of Western Music. 3 cr. hrs.
Begins approximately 1720 and continues through the Contemporary period. Approval of instructor. Second semester.

441. Music Literature: Performance Practices and Historical Research. 4 cr. hrs.
A critical analysis of representative literature with emphasis on performance practices and historical research. Prerequisite: Music 341-342. First semester.

PRIVATE INSTRUCTION

Private instruction indicates private lessons

in the performing areas listed below. One half-hour lesson per week plus one hour of practice per day earns one semester hour of credit. All students are required to participate in a studio recital each semester. All applied music students will participate in a vocal or instrumental ensemble. The hours for private lessons are arranged through the music office. There is a fee charged for all private lessons.

All private lessons will be numbered 111, 112, 211, 212, 311, 312, 411, 412, for one credit hour; and 121, 122, 221, 222, 321, 322, 421, 422, for two credit hours. The instrument will be indicated on the course cards, and will be entered on the transcript.

Classical Guitar	Strings
Piano	Woodwinds
Voice	Brass
Harpsichord	Percussion
Organ	

CLASS INSTRUCTION

131, 132, 231, 232. Class Piano. 1 cr. hr.
A minimum of 4 and a maximum of 8 students. Beginning piano through level 4. Both semesters. (Fee charged)

133, 134. Voice Class. 1 cr. hr.
The class has a minimum of 4 and a maximum of 8 students. Open to all students. Fundamentals of singing; posture, breath control, vocal placement, and vocal literature are introduced. Both semesters. (Fee charged)

135, 136. Class Guitar. 1 cr. hr.
Designed for beginners interested in functional guitar. Basic techniques in classical guitar to include major/minor chords, inversions and scales with application of materials used in elementary music. Both semesters. (Fee charged)

MUSIC EDUCATION

151. Class Piano for Elementary Education. 1 cr. hr.
For students planning to teach in the elementary school classroom.

Fundamentals of music with emphasis upon development of student's ability in playing the piano for classroom music. Both semesters. (Fee charged)

350. Teaching of Music for Elementary School Teachers. 2 cr. hrs.

A study of the objectives, materials, curricula and methods of teaching music. Both semesters.

351. Methods in String Instruments. 2 cr. hrs.

The study of violin, viola, cello and bass. Teaching techniques for string instruments. Both semesters.

352. Methods in Woodwind Instruments. 2 cr. hrs.

The study of clarinet, flute, oboe, bassoon, and saxophone. Fundamentals of technique, maintenance and simple repairs. Examination and evaluation of teaching methods. Teaching techniques for woodwind instruments. Second semester.

353. Methods of Brass and Percussion Instruments. 2 cr. hrs.

The study of trumpet, trombone, euphonium, French horn, tuba, and percussion with emphasis on the teaching of these instruments. First semester.

451. Music Methods in the Elementary Schools. 2 cr. hrs.

Methods, materials and techniques for teaching music in the elementary school. Consent of the instructor. First semester.

452. Vocal Music Methods in the Secondary Schools. 2 cr. hrs.

Methods, materials and techniques for teaching music in grades 7-12. Majors only. Second semester, first seven weeks.

453. Instrumental Methods in the School. 2 cr. hrs.

Methods, materials and techniques for teaching instrumental music in the public school. Majors only. Second semester, first seven weeks.

462. Vocal Pedagogy. 2 cr. hrs.

A study of comparative vocal pedagogy

including concepts of vibrato, registers, dynamics, range, breathing, support, placement, resonance, and voice classification. Practical application through observation and supervised teaching. Second semester.

CONDUCTING

361. Conducting. 2 cr. hrs.

Instrumental conducting techniques including the use of the baton. Prerequisite: Music fundamentals and Theory and Ear Training I. First semester.

362. Conducting. 2 cr. hrs.

Continuation of 361, choral techniques. Experience with campus ensembles. Consent of instructor. Second semester.

CHURCH MUSIC

343. Church Music. 4 cr. hrs.

Organization and direction of the multiple choir system. Vocal methods for children, youth and adults. Church music administration (including preparation of music budget), general worship philosophies, handbell techniques. Second semester. Alternate years with Religion/Music 344.

344. The Church and Its Hymnody. 4 cr. hrs.

A historical study of hymns and hymn writers and of the place of hymnsinging in worship. An analysis of the elements constituting good hymns, and a critical study of published hymnals. Taught by the music department faculty. Second semester. Alternate years with Church Music 343. (Also listed as Religion 344.)

371. Repertoire of Church Music (Organ). 1 or 2 cr. hrs.

Survey of music appropriate for use in church, and practice in improvisation, modulation, accompanying, and sightreading as applied to the worship service.

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MUSICAL ORGANIZATIONS

Non-music majors may use up to eight hours of ensemble credit as elective hours toward graduation.

191-492. Concert Choir. No Credit

An organization of limited membership selected for tone production and musicianship. This organization represents the college in public engagements. Its repertoire includes sacred and secular works. Members are selected by audition. Those auditioning should plan to remain in the group for the entire school year.

181-482. Chapel Choir. 1 cr. hr.

Membership in the Chapel Choir is open to the student body. Membership auditions are held each semester. The choir sings for college worship services, presents concerts in area churches, as well as making an annual tour. The tour choir consists of approximately 80 voices and is selected from the membership of the Chapel Choir. Applicable to vocal ensemble requirements for music majors.

183-484. Concert Band. 1 cr. hr.

Open to all students by audition, this 85-piece band meets four times weekly. Primarily a concert organization, the band does not march. During the year, the group presents concerts, performs at home football games, and tours annually. Applicable to instrumental ensemble requirements for music majors.

185-486 (TR). Liberty Symphony. 1 cr. hr.

This orchestra is open to all students and community musicians as openings are available. The symphony rehearses once a week for two hours, and presents four programs a year. Applicable to instrumental ensemble requirements for music majors. TR affixed to any number signifies Training Orchestra.

187-488. Cardinal Brass. 1 cr. hr.

The ensemble is open to brass players proficient in chamber music performance. Performance opportunities include campus events and church-related functions.

193-494. Jazz Ensemble. No credit

The Jazz Band offers a creative outlet for the instrumental musician through performance of a variety of jazz literature. Membership is achieved by audition, subject to fixed stage band instrumentation.

195-496. Chamber Ensembles. No credit

Chamber ensembles are organized according to available instrumentation and need. Groups include string, wind, percussion and handbell ensembles and meet the equivalent of two hours weekly.

197-498. Pep Band. No credit

The Pep Band performs for athletic events both on and off campus. This service organization is open to all personnel enrolled in any of the other ensembles.

Not more than eight hours of ensemble will be accepted as elective hours toward graduation.

INDEPENDENT STUDY

370. Independent Study. 1-4 cr. hrs.

371. Organ Service Playing. 2 cr. hrs.

Survey of music appropriate for use in church, and practice in improvisation, modulation, accompanying, and sightreading as applied to the worship service. Second semester (even years).

372. Organ Pedagogy. 2 cr. hrs.

Survey of organ method books. Practical application through observation and supervised teaching. Second semester (odd years).

373. Piano Pedagogy. 2 cr. hrs.

Individual and class instruction in teaching methods/materials. Practical application through observation and supervised teaching. First semester.

374. Piano Accompanying. 1 cr. hr.

Piano accompanying techniques for basic vocal and instrumental solos. Representative works from contrasting periods of music.

375. Opera Workshop. 1 or 2 cr. hrs.

Study of a selected opera or operetta. The study will include examination of the music and libretto and the effect these elements have on the characterization of each role. Other works and composers that relate to the selected opera will also be examined. Prerequisites: permission of the instructor.

Nursing Education

Associate Professor Davis-Martin, chairman; Associate Professors Brose, Edwards, Hutchison, Johnson; Assistant Professors Edison, Erickson, Kersten, Mustapha, Vincent, Stout.

The nursing education program at William Jewell College is a carefully designed program of professional studies in nursing (48 credit hours), liberal arts courses, and professional support courses which lead to the bachelor of science degree.

The department is accredited by the Missouri State Board of Nursing, and graduates are eligible to apply to take the State Board Examination for licensure. (The State Board of Nursing may refuse to issue a license to an individual who has been convicted of any crime involving moral turpitude; or who is habitually intemperate in the use of alcohol or is habitually intemperate in the use of any habit-forming drug; or who is mentally incompetent.) The department is also accredited by the National League for Nursing.

The program is based on a special philosophy of nursing as a combination of scientific competence, sensitivity to human needs, and an emphasis on total health. The faculty emphasizes the responsibility and accountability of the nurse practitioner, the blending of academic and practical knowledge, and the highest degree of professional ethics. A full statement of the philosophy of the nursing education program at William Jewell College, as well as a statement of the conceptual and practical framework of the curriculum, is available from the departmental offices.

ADMISSION

Students are admitted twice each year. A minimum cumulative grade point average of 2.5 is required to be eligible for admission to the program. Students may begin the program in the spring or summer semester. A maximum of 60 students will be admitted each year.

Spring Admission. In order to begin Nursing 250 during the spring semester, a student must have completed the following prerequisites:

English 100
Communication 100
Psychology 211
Sociology 211
Biology 151
Chemistry 101
Philosophy 202
Biology 238
Biology 221

In addition, the following courses must have been completed as prerequisites, or taken concurrently with Nursing 250:

Biology 307
Biology 239
Sociology 332
Chemistry 102
Psychology 306

Summer Admission: In order to begin Nursing 250 during the summer semester, a student must have completed the following prerequisites:

English 100
Communication 100
Psychology 211
Sociology 211
Biology 151
Biology 307
Biology 238
Biology 239
Chemistry 101/102
Philosophy 202
Sociology 332
Psychology 306
Biology 221

NURSING

Registered Nurse Admissions: Graduates of approved Diploma or Associate Degree programs will be considered for admission to the department. Applicants must meet the same criteria and follow the same admission procedure as the generic student. Further information regarding challenge for credit is available upon request.

Spring Admission: To have an application considered for spring admission, the completed application must be filed with the department by Oct. 15. The applicant must have completed the freshman year of college and have a cumulative grade point average of 2.50. Candidates accepted at this time will begin the program in the spring of that year.

Summer Admission: To have an application considered for summer admission, the completed application must be filed with the department by March 1. No candidate will be considered with less than a cumulative grade point average of 2.50. Candidates accepted at this time will begin the program in the summer of that year.

Applications. The faculty will act only upon completed applications which include:

1. Department of nursing education application form.
2. High school transcripts.
3. Official transcripts from each college attended.
4. Completed physical and dental examination forms.
5. Testing scores.
 - a. ACT
 - b. Verification of current professional licensure (R.N. applicants only).

It is the student's responsibility to ascertain that his/her application is complete.

A TYPICAL† BACCALAUREATE NURSING PROGRAM**

Freshman Year

FALL	HRS.
Elective	4
English 100	4
Biology 151	4
Religion	4
	<hr/> 16

SPRING	HRS.
Chemistry 102*	5
Sociology 211	4
Communication 100	4
Psychology 211	4
	<hr/> 17

Sophomore Year

FALL	HRS.
Biology 221	5
Biology 238	3
Philosophy 202	4
Psychology 306	4
	<hr/> 16

SPRING	HRS.
Biology 239	3
Nursing 250	5
Biology 307	2
Physical Education 100	2
Sociology 332	4
	<hr/> 16

Junior Year

FALL	HRS.
Nursing 340	4
Education 205	4
Nursing 330	8
	<hr/> 16

SPRING	HRS.
Nursing 350	8
Math 216	4
Elective	4
	<hr/> 16

Senior Year

FALL	HRS.
Nursing 430	8
Elective	4
Nursing 420	3
	<hr/> 15

SPRING	HRS.
Nursing 450	10
Nursing 425	2
	<hr/> 12

*All pre-nursing students who have had high school chemistry must take the American Chemical Society test during orientation to ascertain proper placement in Chemistry 101 or 102. The student who performs poorly on the ACS will be asked to take Chemistry 101 during the first semester.

All pre-nursing students who have not had high school chemistry or who have not made a satisfactory grade in high school chemistry must take Chemistry 101 in the fall and Chemistry 102 in the spring. These students are not required to take the American Chemical Society test.

**Individualized academic counseling and advisement will be provided for each student to plan his/her course of study.

Clinical Instruction—concurrent with classroom instruction—will increase as the student progresses in the program, ranging from 3 to 24 hours per week. This approach will provide the knowledge and skills necessary for competent nursing practice.

The integrated concept stimulates students' incentives to learn, to grow, to achieve. It is a dynamic approach to educating nurse practitioners.

Instruction and selected learning experiences will occur in the classroom, campus laboratory, Baptist Memorial Hospital, and other institutions and agencies in the community. **Transportation to and from clinical placements will be the student's responsibility.**

All students must file a medical examination form with the department prior to beginning clinical practicum.

† Subject to change without prior notification.

230. Consumer Competence in Health and Safety. 2-4 cr. hrs.

Introduction to current practices and issues in health care for the non-nursing major. Emphasis will be upon the identification and utilization of resources in the community which support and promote health. Included in the course will be basic concepts of health and beginning skills in the recognition of deviations from wellness. Toward this end, the student will learn: blood pressure, pulse and temperature readings; care of minor emergencies; cardiopulmonary-resuscitation (CPR); family planning and the birth process; and responsibilities and

rights of the health care consumer. First and second semesters.

250. Introduction to Nursing. 5 cr. hrs.

Introduction to the major concepts of the curriculum framework. The following concepts are emphasized in classroom and laboratory situations: systems theory, competence theory, nursing process, development, wellness, stress, change, professionalism, research and culture. Also included are specific physical assessment competencies. Laboratory and clinical experiences assist the student in applying basic nursing and physical assessment skills. Three hours lecture per week. Two hours laboratory per week. Three hours clinical per week during last half of semester.

330. Nursing Process I. 8 cr. hrs.

This course is the first in the nursing curriculum with a major clinical component. The focus is on applying nursing process in the wellness and stress state of individuals and families. Heavy emphasis is placed on psychosocial and physical assessment of the individual within the family system. The clinical component includes six-week experience in two major clinical areas. These areas are obstetrical and pediatric nursing with community experiences being an integrated component. Four-and-one-half lecture hours per week. Prerequisite: Nursing 250.

340. Introduction to Human Pathophysiology. 2 cr. hrs.

This course is designed to provide a basic understanding of pathophysiology. Emphasis is placed on the individual's total response to pathophysiological processes. Prerequisite or corequisite: Biology 238, 239.

341. Introduction to Human Psychopathology. 2 cr. hrs.

This course is designed to provide a basic understanding of the body's adaptation to stressors resulting in psychopathology. Emphasis will be placed upon the individual's total response to these processes. Discussion of selected or

NURSING/PHILOSOPHY

therapeutic modalities will be included.
Prerequisites: Biology 239, Psychology 306 or equivalents.

350. Nursing Process II. 8 cr. hrs.

Nursing 350 is designed to build upon the basic skills and theories taught in Nursing 330. The focus is on applying nursing process in illness and dysfunctional behavior of individuals and families. Emphasis is placed on assessment of illness and/or dysfunctional behavior utilizing a holistic framework. The clinical component includes a six-week experience in mental health and medical-surgical nursing. Four-and-one-half lecture hours per week. Two hours of skills laboratory per week. Eight hours of clinical practicum and one hour of clinical conference per week. Prerequisite: Nursing 330.

420. Nursing Seminar I. 3 cr. hrs.

Introduction to basic research methodology. Emphasis will be placed upon the development of a nursing research project. Prerequisite or concurrent: MA 216.

425. Nursing Seminar II. 2 cr. hrs.

Continuation of Nursing 420. Further development and application of research skills and successful completion of individual research project will be emphasized.

430. Nursing Process III. 8 cr. hrs.

Eight-hour senior level course which focuses upon the implementation of the nursing process utilizing principles of crisis intervention and acute biological and/or psychosocial crises. The clinical component includes a six-week experience in a critical care area and in an acute mental health setting. Four-and-one-half lecture hours per week. Two hours of skills laboratory per week. Eight to twelve hours of clinical practicum and one to two hours of clinical conference per week. Prerequisite: Nursing 350.

450. Nursing Process IV. 10 cr. hrs.

Ten-hour senior level course which focuses upon community and large group systems as well as environmental stressors and

issues in nursing practice including leadership skills and management of groups. The clinical component includes experience in group management in episodic and distributive settings. Five lecture hours per week. Two hours of skills laboratory per week. Twenty to twenty-four hours of clinical practicum and one to two hours of clinical conference per week. Prerequisite: Nursing 430.

260, 360, 460. Independent Study in Nursing. 1-6 cr. hrs.

Philosophy

Professor Trotter, chairman; Professor David.

THE W.D. JOHNSON DEPARTMENT OF PHILOSOPHY

Major: 24 semester hours.

Students completing a second major in philosophy must complete the General Education requirements for the bachelor of arts degree.

102. Freshman Seminar. 2 cr. hrs.

A course designed to provide an exciting opportunity for a select group of freshmen to engage in discussion of some issue relevant to their individual development. The seminar will be directed by two upperclassmen who will, in consultation with the philosophy department, select the topic and source materials. The course will be conducted entirely on a discussion basis. Enrollment will be offered only when qualified upperclassmen are available. Second semester.

108. Cosmology. 4 cr. hrs.

An introductory approach to the various interpretations man has given to nature and the scientific theories developing from them (physics or philosophy credit). Second semester every third year. 1983 next offering.

PHILOSOPHY/PHYSICAL EDUCATION

201. Introduction to Philosophy.

4 cr. hrs.

A study of the philosophic quest for wisdom concerning such timeless, ever relevant issues as the existence of God, the validity of religious faith, the nature of the self, the basis of knowledge, the justification of morality, freedom and determinism, and political liberty. The course proceeds largely by discussion of clearly written essays representing contrasting views on the topics and is designed to enable the students to develop skill in stating and defending their own positions on these questions. Second semester.

202. Ethics.

4 cr. hrs.

An examination of the major theories of value and moral obligation, seeing how they illuminate such contemporary issues as abortion, euthanasia, sexual morality, discrimination against minorities, privacy, individual liberty, and violence and war. The course provides an opportunity for the students to acquire skill in developing their own positions on these questions. First semester.

231. Logic.

4 cr. hrs.

A first course in logic designed to aid in the development of critical attitudes, to learn the general methods of inquiry, and to enable the student to formulate independent judgments. The course emphasizes techniques of clarification, deductive and inductive patterns of reasoning. Second semester.

301-302. Seminar.

4 cr. hrs.

An intensive reading and discussion of problems, thinkers, and movements in philosophy. Two seminars are offered each seminar. The topics and materials are selected each year in accordance with the needs and interests of those enrolling in the seminars. In alternate years a two-semester survey of the history of philosophy is provided. The seminars are open to any student who has demonstrated in at least one course in philosophy the qualities of self motivation, self discipline, and responsibility essential to the success of the seminars. Topics previously examined and

which can be repeated on demand are:

Philosophy of Mind, Philosophy of Religion, Philosophers and God, The Existence of God, Freedom and Determinism, Existentialism, Kierkegaard and Nietzsche, Buber and Heidegger, Marcel and Sartre, Philosophy through Literature, American Philosophy, Medical Ethics, Philosophy of Science, Indian Philosophy, Chinese Philosophy, Business Ethics, and Philosophy of Creativity. Current topics are Greek Philosophy and American Philosophy.

311. Political Philosophy.

4 cr. hrs.

See course description for Political Science 311.

402. Teaching Practicum.

4 cr. hrs.

Upperclass students with considerable background in philosophy who evidence the qualities essential for teaching may be invited to direct a freshman seminar. They will conduct the course under the supervision of members of the department, who will meet with them frequently in conferences to evaluate the progress of the seminar. Second semester.

450. Philosophical Foundations of Education.

2 cr. hrs.

See course description for Education 450.

451, 452. Readings in Philosophy.

1-4 cr. hrs.

Both semesters.

Physical Education

Professor Patterson, chairman; Professor Nelson; Associate Professor Gourley; Assistant Professors Flook, Hamilton, Holley, Macke; Instructor Wallace.

The department of physical education offers a wide variety of courses and experiences to provide education through physical activity for both the major and non-major.

Two hours of physical education are required of all students for graduation. P.E.

PHYSICAL EDUCATION

100 is required of all students and should be taken during the first semester of the freshman year if possible. The other one hour is elective and may be fulfilled in one of two ways: (1) by taking two one-half hour activity classes, or (2) by taking an additional one-hour course. Provisions will be made for students with a physical handicap. Each student may elect up to two additional hours of physical education.

100. Orientation to Physical Education. 1 cr. hr.

(Required of all students.)

The foundations concept is an attempt to educate students with regard to the social environment in which they will live. It provides a background of the scientific principles underlying physical activity, as well as the physiological and psychological effects.

Each student is required to demonstrate the ability to swim 25 yards before receiving credit for this course. An incomplete will be given until this requirement is completed.

ELEMENTARY ACTIVITY OFFERINGS

Classes meet twice a week for seven weeks for ½ hr. credit.

101. Aerial Dart Tennis.	½ cr. hr. *
102. Aerobics.	½ cr. hr.
103. Angling.	½ cr. hr.
104. Archery.	½ cr. hr. *
105. Badminton.	½ cr. hr.
106. Bicycling.	½ cr. hr.
107. Bowling.	½ cr. hr. *
108. Canoeing.	½ cr. hr.
109. Fencing.	½ cr. hr.
110. Golf.	½ cr. hr.
111. Gymnastics.	½ cr. hr.
112. Racquetball.	½ cr. hr.
113. Ice Skating.	½ cr. hr. *
114. Judo.	½ cr. hr. *
115. Karate.	½ cr. hr. *

116. I Ballet.	½ cr. hr.
117. II Interpretative.	½ cr. hr.
118. III Folk.	½ cr. hr.
119. IV Square.	½ cr. hr.
120. V Tap.	½ cr. hr.
121. Roller Skating.	½ cr. hr. *
122. Yoga.	½ cr. hr. *
123. Sailing.	½ cr. hr.
125. Slimnastics.	½ cr. hr.
126. Swimming.	½ cr. hr.
127. Table Tennis.	½ cr. hr.
128. Tennis.	½ cr. hr. *
129. Tent Camping- Backpacking.	½ cr. hr. *
130. Trampoline.	½ cr. hr.
131. Trapshooting.	½ cr. hr.
132. Tumbling.	½ cr. hr.
133. Weight training.	½ cr. hr.
134. (A and B) Horsemanship.	½ cr. hr. *
135. Recreational Horsemanship.	½ cr. hr. *

*Fee courses are designated by an asterisk.

ADVANCED ACTIVITY OFFERING

Classes meet four times a week for seven weeks.

201. Baseball-Softball.	1 cr. hr.
202. Basketball.	1 cr. hr.
205. Football.	1 cr. hr.
206. Tennis.	1 cr. hr.
207. Gymnastics.	1 cr. hr.
208. Soccer.	1 cr. hr.
209. Swimming.	1 cr. hr.
211. Track and Field- Cross Country.	1 cr. hr.
212. Volleyball.	1 cr. hr.
213. Wrestling.	1 cr. hr.
214. Golf.	1 cr. hr.
215. Scuba Diving.	1 cr. hr.

PHYSICAL EDUCATION

MAJOR IN PHYSICAL EDUCATION

The department offers programs leading to both the bachelor of science and bachelor of arts degrees. In addition, students may be certified to teach physical education in grades 1-12. Physical education majors are *required* to be certified to teach in at least one other field prior to graduation.

Major: 30 or 40 hours depending on certification requirement and type of major.

MAJOR COURSES

225. Officiating. 2 cr. hrs.

A study of the techniques of officiating of football, basketball and soccer, plus officiating in the intramural football and basketball games and assisting in soccer varsity meets.

250. Health Science. 2 cr. hrs.

The fundamental laws of health and the health relations of the individual to the community. Includes the selection of materials, methods of instruction and coordination of health teaching with the work of other teachers. Second semester.

251. American National Red Cross First Aid Course. 1 cr. hr.

Offered on arrangement each semester by the department with assistance by the local Clay County Health Department. First semester.

255. Introduction to Physical Education. 1 cr. hr.

A general orientation course for students planning to major in physical education. First semester. (Majors only.)

261. Life Saving and Water Safety 1 cr. hr.

Advanced work in all swimming strokes, as well as instruction for certification in American National Red Cross life saving and water safety. Prerequisite: See instructor for swimming requirements. First semester.

262. American National Red Cross Water Safety Instructor Course. 2 cr. hrs.

Training course for water safety instructors. Part I and II will be taught. Part I is concerned largely with the personal skill ability of students. Part II is directed toward methods of teaching skills. Prerequisite: holder of current Red Cross senior life saving certificate, or instructors whose appointments have lapsed. Second semester.

270. Sociology of Sport and Leisure. 2 cr. hrs. See course description for Sociology 270.

300. Physiology of Exercise. 2 cr. hrs. A study of human functions under the stress of muscular activity. Prerequisite: Biology 239, junior and senior standing. First semester.

360. Care and Treatment of Athletic Injuries. 2 cr. hrs. Prevention, treatment and rehabilitation of common injuries sustained in athletics. First semester.

365. Physical Education for Elementary Schools. 2 or 4 cr. hrs. The selection, organization and direction of physical activities appropriate for elementary school students. Consideration is given to corrective exercises, development drills and games which are planned for the pleasure of the participants. Open to teachers or prospective teachers of elementary schools, or those interested in the physical education problems of youth. Second semester. Sophomore level.

380. History and Philosophy of Physical Education and Recreation. 2 cr. hrs.

A historical and philosophical examination and background of physical education and its role in education from the Greeks to the present.

384. Tests and Measurements in Physical Education. 2 cr. hrs. A survey of knowledge tests, skill tests, fitness tests and other evaluative

PHYSICAL EDUCATION/PHYSICS

instruments used by physical education teachers in a wide variety of activities. Juniors and seniors only. First semester.

385. Adaptive Physical Education.

2 cr. hrs.

Physical education methods for the mentally, physically and socially handicapped; corrective physical education for body mechanics; developmental physical education for physical fitness. Sophomore level. Second semester.

392. Kinesiology.

2 cr. hrs.

A study of the science of body movements. Prerequisite: PE 300. Second semester.

395. Analysis of Coaching Football.

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching varsity football.

396. Analysis of Coaching Basketball.

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching varsity basketball.

397. Analysis of Coaching Baseball and Softball.

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching varsity baseball and softball.

398. Analysis of Coaching Track and Field.

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching track and field.

399. Analysis of Coaching Volleyball.

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching volleyball.

400. Organization and Administration of Physical Education and Recreation.

2 cr. hrs.

A study of policies in organization and administration of the physical education and recreation program, classification of students, staff, teaching load, time schedule, financing, care of the physical education plant, records and inter-school relations. Required of students taking a major in physical education. Second semester. Junior level.

460. Methods of Teaching Physical Education.

2 cr. hrs.

A comprehensive treatment of class organization and management, curriculum in physical education, discipline, grading policies, and current problem areas in physical education. First seven weeks. Seniors only. First and second semesters.

402. Independent Study in Physical Education.

1-2 cr. hrs.

May be repeated.

Physics and Astronomy

Professor Geilker, chairman; Professors Hilton, Philpot.

THE E.S. PILLSBURY

DEPARTMENT OF PHYSICS

Major: 30 semester hours, including 15 hours of junior-senior courses, and 3 hours of advanced laboratory. Major for secondary school teachers: 24 semester hours, including Physics 316, 322.

Students completing a second major in physics must complete the General Education requirements for the bachelor of arts degree.

Physics major for the 3-2 plan of engineering with Columbia University, New York; Washington University, St. Louis; the University of Missouri, Columbia or Rolla: Physics 213, 214, 316, 322, 332, 443.

For those students who expect to enter an engineering school upon graduation, the pre-engineering curriculum, plus a major in physics, mathematics or chemistry (depending upon the type of engineering—electrical, mechanical, chemical) is recommended.

Course 103 is primarily for non-science majors who want an introductory course in the fundamentals and applications of physics.

Courses 111 and 112 are primarily for pre-medical students and science majors (physics, chemistry, biology and mathematics) who want an introductory course in the fundamentals and applications of physics. It is recommended that 111 be taken first.

Courses 213 and 214 require calculus as a corequisite, and may constitute a beginning course for physics majors and pre-engineering students.

ASTRONOMY

107. Descriptive Astronomy. 4 cr. hrs.
A historical, non-mathematical treatment of astronomy and an examination of its contribution to man's understanding of his place in the physical universe. Some required night time observing sessions.

108. Cosmology. 4 cr. hrs.
An introductory approach to the various interpretations man has given to nature and the scientific theories developing from them. (Physics or philosophy credit.) Second semester every third year. 1983 next offering.

GRAPHICS

105. Graphics I (Technical Drawing). 2 cr. hrs.
Instruction in use of instruments, lettering, geometric curves, orthographic and isometric projections; technical sketching, preparation of working drawings, detailing of machines, assembly drawings, auxiliary and oblique views. Second semester.

PHYSICS

103. Foundations of Physics. 4 cr. hrs.
An introductory course in descriptive college physics, including mechanics, properties of matter, heat, sound, light, electricity, magnetism, atomic and nuclear physics. One laboratory period per week; offered each semester.

111. College Physics. 4 cr. hrs.
The general principles of mechanics,

waves, sound, heat and electricity, with discussions of some practical applications. Problems and laboratory work are emphasized. For science majors: mathematics, physics, chemistry, biology, pre-medicine, pre-dentistry. One laboratory period each week. First semester.

112. College Physics. 4 cr. hrs.
The general principles of light, optical instruments, atomic structure and nuclear physics with a discussion of some practical applications. For science majors: mathematics, physics, chemistry, biology, pre-medicine, pre-dentistry. One laboratory period per week. Second semester.

213. General Physics. 5 cr. hrs.
Calculus must be taken prior to or concurrently with this course. Course includes mechanics, sound and heat. Prerequisite: calculus. One laboratory period per week. First semester.

214. General Physics. 5 cr. hrs.
Includes electricity, magnetism, light and optics, and modern physics. Corequisite: calculus. Second semester. One laboratory period per week.

306. Applied Electronics. 4 cr. hrs.
An introductory course emphasizing the applications of solid state devices such as diodes, thyristors, transistors, sensors, and linear and digital integrated circuits. May be continued as projects in Independent Study and Research or as Physics 416, Electronic Measurements. Prerequisite: consent of instructor. Second semester. One laboratory period per week.

316. Atomic and Nuclear Physics. 3 cr. hrs.
A course in modern physics. Includes introduction to special relativity, x-rays and spectra, radioactivity, nuclear reactions, and other topics of importance to modern physics and chemistry. Prerequisites: Physics 214 and Mathematics 200. First semester.

317. Atomic and Nuclear Physics Laboratory. 1 or 2 cr. hrs.
To follow or accompany Physics 316. First

PHYSICS/POLITICAL SCIENCE

semester. Three hours laboratory work per week for each credit hour.

318. Heat and Thermodynamics. 3 cr. hrs.

Includes study of temperature, thermodynamic systems, work, first and second laws of thermodynamics and entropy. A brief introduction to statistical mechanics and kinetic theory. For students of physics, chemistry and engineering. Prerequisites: Physics 214, Mathematics 200. Second semester. Taught in even-numbered years.

322. Optics. 3 cr. hrs.

An advanced course in light. Includes a study of lenses, reflectors, prisms, spectrometers, rules gratings, spectra, interferometers, diffraction, polarization and electromagnetic theory of light. Prerequisites: Physics 214 and Mathematics 200.

323. Optics Laboratory. 1 or 2 cr. hrs.
To follow or accompany Physics 322. Three hours laboratory work per week for each credit hour.

332. Analytical Mechanics (Statics). 3 cr. hrs.

Concerned with basic concept of force systems, conditions of equilibrium, structures, distribution of forces, centroids, effects of friction, moments of inertia and the principle of virtual work. Methods of the calculus and graphical analysis, including vectorial representation, will be freely employed. Prerequisite: Mathematics 200. Second semester. Taught in odd-numbered years.

351H-356H. Independent Study and Research. 1 cr. hr.

A detailed study of some specific problem or experiment in physics, history of physics, reading from current literature of physics. Available each semester.

415. Electricity and Magnetism. 4 cr. hrs.

Electrostatics, magnetism, resistance, capacitance, inductance, electromagnetic induction, electric circuits, Maxwell's

equation and field theory. Prerequisites: Physics 214 and Mathematics 201. First semester.

416. Electronic Measurements. 1 cr. hr

Measurement of parameters of interest in laboratory and industrial research: temperature, pressure, light, magnetic fields, linear and angular displacement. Includes introduction to data acquisition and interfacing with micro-computers. Prerequisites: Physics 306 and consent of instructor. Three laboratory hours per week.

443-444. Mechanics: Classical and Quantum. 4 cr. hrs.

An intermediate course in classical mechanics. The course will include a critical discussion of Newton's laws of motion. The points of departure for quantum mechanics and for relativistic mechanics will be indicated. Other topics will include conservative forces, the forced harmonic oscillator, complex number application to the solution of linear differential equations, Fourier Series applications, vector algebra, elements of vector analysis, integration and differentiation of vectors, motion under a central force, coupled harmonic oscillators, rotating coordinate system, LaGrange's equations, and introduction to tensors. Approximately nine weeks of the second semester will be devoted to an introduction to Quantum Mechanics. 443 offered first semester; 444—second semester.

Political Science

Professor Eilers, chairman;
Professor Adams.

The political science department offers three majors, political science, public administration and international relations.

Political Science Major: 28 semester hours, including one course from each of

POLITICAL SCIENCE

five of the six categories besides introductory courses and seminars.

Required introductory courses include PS 111, American National Government; PS 112A, State Government; PS 112B, Urban and Metropolitan Politics. Introductory courses, while not absolute prerequisites for other courses, are customarily taken in the freshman year prior to advanced study.

The following courses may be taken for credit toward a political science major, up to a maximum of eight hours: Economics 418; Social Research 351; History 301-302. Political philosophy courses may count toward the Humanities requirement, as well as toward the writing requirement.

Certain four-hour courses may be divided into parts meeting a portion of the semester for one or two hours credit. Such divisions are indicated by the letters "A," "B," etc. A senior comprehensive oral examination is required unless the student is doing an Honors Project.

Public Administration Major: 36 semester hours, including (1) all three introductory courses PS 111, PS 112A, and PS 112B; (2) at least one course in political philosophy (PS 211 or PS 311); (3) all three courses in Public Administration (PS 301, 302, and 303) plus Economics 418; (4) either Management 301 or Social Research 351 and (5) a minimum 6-hour summer internship in a government agency at the federal, state, or local levels (PS 471).

It should be noted that Economics 418, Public Finance, may have prerequisites (usually Economics 201), and care must be taken in scheduling to include such prerequisite(s) at an early date. This is especially critical since Public Finance is not offered every year.

Internships in public administration are customarily taken during summers between the junior and senior years, and they should not be undertaken earlier than the end of the sophomore year. Before going on internships, students are strongly advised to take PS 301 and PS 303. Students are

expected to assist in gaining internship placements, and notification of a desire to secure such placement should be communicated to the department chairman at least six months prior to the expected start of the internship.

Double majors in political science and public administration may be allowed in certain cases with the approval of the dean and department chairman.

International Relations Major: An interdisciplinary major designed to acquaint students with basic elements of economic, political, and social relationships among nations. This major is strongly supported by the excellent overseas programs of William Jewell College. Twenty-eight hours are required for the major, as well as at least three semesters of a single foreign language (or proficiency at that level). A semester or year in an overseas study program is also strongly recommended.

Required courses are Political Science 322, International Politics and Organization; History 301-302, United States Diplomatic History; Economics 404, Introduction to International Economics; Sociology 332, Cultural Anthropology; and International Relations 452, Senior Seminar.

Remaining courses for the major may be selected from the following, or from similar courses judged appropriate by an International Relations Program Committee: Political Science 320, Comparative Politics: Major European Governments, Political Science 331, Comparative Politics: The Communist World; Political Science 311, Modern and Contemporary Political Thought; Communication 309, American Public Address; Sociology 313, Population Issues and Analysis; History 316-317, Europe in the Age of Absolutism and Enlightenment; History 318-319, The Formation of Modern Europe; History 320-321, The Communist Nations in Europe; History 322-323, History of Latin America; History 324, The Far East; Geography 304, World Geography. Courses taken at

POLITICAL SCIENCE

campuses abroad will often be suitable for this major, at the discretion of the International Relations Program Committee.

INTRODUCTORY COURSES

111. American National Government.

4 cr. hrs.

A. The Constitution (first seven weeks, 2 cr. hrs.). Formation, development and structure of the American federal system; expansion of federal and state functions; civil liberties; status and responsibilities of the citizen.

B. The Political System (second seven weeks, 2 cr. hrs.). Parties and interest groups in state and federal political processes; structure and functions of executive, legislative, judicial, and administrative branches at state and federal levels. First semester annually.

112A. State Government.

2 cr. hrs.

A study of state politics in the context of the federal system. Emphasis on the tension between national and state governments on such policy issues as civil rights, revenue sharing, urban politics, and related topics. Attempts to show the extent to which state governments are or are not the focus of various policy decisions. First seven weeks, second semester every year.

112B. Urban and Metropolitan Politics.

2 cr. hrs.

Problems of urban and metropolitan government. The nature of political conflict in the urban community. Some attention to other units of government at the local level. Second seven weeks, second semester every year.

AMERICAN POLITICS

232. Politics, Parties and Interest Groups.

4 cr. hrs.

A study of the development of the American party system, party organization, the electoral process, and the role of parties and interest groups in the formation of public policy. Some attention to significant

minor parties. Offered first semester, even years.

233. American Democracy and Campaign Technology.

4 cr. hrs.

A study of trends in political campaign techniques and their impact on American democracy as political parties decline. Identifying the actors on the political scene—personal organizations, interest groups, Political Action Committees, campaign consultants; and techniques employed in planning and carrying out a campaign—feasibility study, campaign organization, finance, polling, targeting, voter contact, control mechanisms. Also examines government regulation of campaigns, as well as the options open to both low and high budget efforts in both candidate and issue campaigns. Offered first semester, even years.

POLITICAL PHILOSOPHY

211. American Political Thought.

4 cr. hrs.

A. Before 1865 (first seven weeks, 2 cr. hrs.). Survey of the main currents of American political thought, including such early English writers as Locke; the revolutionary period and the Federalist Papers; Jacksonian democracy; slavery. B. After 1865 (last seven weeks, 2 cr. hrs.). The Populist and Progressive movements; the New Deal; some consideration of the New Left and contemporary trends. Offered second semester, odd years.

311. Modern and Contemporary Political Thought.

4 cr. hrs.

A. Modern Political Thought (first seven weeks, 2 cr. hrs.). With the exception of Plato, Aristotle, and the Middle Ages, the ideas and philosophers studied are from the period of Machiavelli through the 19th century. Issues and ideas considered include the social contract, individual liberty and state power, equality, dialectical idealism, classical Marxism, and 19th century liberalism.

B. Contemporary Political Thought (last seven weeks, 2 cr. hrs.). Issues and ideas of the 20th century include the

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development of popular democracy, democratic socialism, fascism, welfare state, pluralism and elitism, a new conservatism, the evolution of liberalism, existentialism, and radical political movements. Offered first semester, odd years.

AMERICAN JUDICIAL POLITICS

221. Judicial Behavior I: The American Constitution. 4 cr. hrs.

A. Constitutional Structure (first seven weeks, 2 cr. hrs.). Role of the judiciary in the evolution of constitutional government in the United States. Roots of the Common Law; powers of the President, Congress, and the Courts; federalism.

B. Property Rights (last seven weeks, 2 cr. hrs.). Rise and fall of emphasis on property rights as reflected in judicial attitudes and interpretation of the contract, commerce, due process, and other important clauses of the Constitution. Offered first semester, odd years.

222. Judicial Behavior II: Civil Rights and Liberties. 4 cr. hrs.

A. Equality (first five weeks, 1 cr. hr.). The 14th Amendment and "nationalization" of the Bill of Rights, equal protection and segregation, public accommodations, reapportionment, housing, and voting rights.

B. First Amendment (middle five weeks, 1 cr. hr.). The First Amendment and freedom of speech, press, religion, assembly, petition, and association; problems of loyalty and security.

C. Rights in criminal proceedings (last five weeks, 1 cr. hr.).

All parts of the course involve study of leading justices, cases, and judicial doctrines. Suggested background: 111. Offered second semester, even years.

COMPARATIVE POLITICS

320. Comparative Politics I: Major European Governments. 4 cr. hrs.

Great Britain, France, and Germany are studied with a focus upon variations in the structure and function of the parliamentary form of democracy. Brief attention is given to Soviet politics and the development of Eurocommunism. Offered second semester, even years.

331. Comparative Politics II: The Communist World. 4 cr. hrs.

A. Roots of Soviet Civilization (first seven weeks, 2 cr. hrs.).—Classical Marxism; international socialism before 1917; imperial Russia; the Revolution. Approaches to the study of Communist systems—problems of analysis.

B. Contemporary Communism (last seven weeks, 2 cr. hrs.). Development and operation of contemporary institutions in the USSR with comparison of selected other Communist systems; the nature of totalitarianism; the international Communist movement. Some attention to foreign policy, literature and science.

An intensive study of basic features of Communist systems. Offered second semester, odd years.

INTERNATIONAL POLITICS

322. International Politics and Organization. 4 cr. hrs.

Fundamentals of international relations; nature of power politics; dynamics of state existence; balance of power; international morality; international law; regionalism, international organization; idea of a world state; diplomacy; the search for peace and security. Offered second semester, even years.

PUBLIC ADMINISTRATION

301. Introduction to Public Administration. 4 cr. hrs.

Problems of administration of government in a democracy; emphasis upon policies; organization, and functions of the civil service; problems of personnel management; the nature of services

POLITICAL SCIENCE/PSYCHOLOGY

rendered by government to the people.
Offered first semester, odd years.

302. Public Policy Analysis. 4 cr. hrs.
Examines various alternative approaches to decision-making and the role of agency clientele as well as the relationship of policy development to administration. In-depth treatment is given to one or more substantive areas, such as energy, the environment, health care, transportation, etc. Offered first semester, even years.

303. Organization Theory. 4 cr. hrs.
Analyzes the dynamics of social interaction within an organizational context, with emphasis on decision theory and the problem of authority. Various theories of authority and the organization are discussed, as are theories about incentives and motivation in the context of organizational sanctions and social controls. Offered second semester, odd years.

DIRECTED READINGS, SEMINARS, INTERNSHIPS, INDEPENDENT STUDY

431,432. Research Seminars. 1-4 cr. hrs.
Individual or group research on selected topics, determined by student interests. Results of research and reading to be presented orally, or in the form of a short thesis, or both. Personal conferences and/or periodic group meetings. It is possible by special arrangement to pursue a single research topic through two semesters.

Sample activities, besides standard research papers, include: introduction to legal research, in conjunction with or subsequent to Political Science 221-222; public opinion surveys, involving use of computerized data. Prerequisite: 12 hours of political science and/or consent of instructor. First and second semesters. Hours to be arranged.

452. Senior Seminar in International Relations. 4 cr. hrs.
A seminar for international relations majors

which provides for research and discussion on selected topics of international importance. Offered second semester, on demand.

471. Public Administration Internship. 6-9 cr. hrs.
An internship in a federal, state, or local governmental agency or else in a "third-sector" (private, non-profit) agency during the summer term for variable credit. Customarily taken during the summer between the junior and senior years, although may be taken any time after the sophomore year.

Psychology

*Assistant Professor Williams, chairman;
Professor Minor; Assistant Professor
Troutwine.*

The department of psychology offers a wide variety of traditional psychology courses through the unique approach of the "Nature of Man Curriculum." This curricular model subscribes to the belief that the primary goal of a student of psychology is to understand the essence of humanity as it is revealed through such timeless questions as:

- Is man a rational or an irrational being?
- What is the comparative impact of environment and heredity as a determinant of man?
- Does man possess free will or is he merely a machine?
- What is the path to the "good life" for man?

The department pursues the exploration of these questions from their philosophical origins to the most recent investigations dealing with the understanding, prediction, and control of human behavior. Individual courses are structured so that each relates its material to one or more of these key issues. In this manner, the student receives a thorough grounding in psychology with a focus that also permits a unified and at

times interdisciplinary view of the profession.

The psychology curriculum strives for a balance between the theoretical and practical dimensions by providing the opportunity for Winterim field experiences. Additionally, several "elective tracks" are suggested as a guide for the student in his preparation for a specific area of psychological work.

The psychology major requires a minimum of 32 hours of course work, 24 of which comprise the "curricular core." Students may personalize their major by selecting eight or more hours of course work from any of the alternative elective tracks. A maximum of 40 hours may be applied toward degree requirements.

Basic Psychology (PY 211) is a standard prerequisite for *all* courses in the department.

In addition to the requirements listed above, each major is to perform at a satisfactory level in a comprehensive examination to be taken during the second semester of the senior year.

CURRICULAR CORE (Every major must take these classes.)

Psychology 211. Basic Psychology (normally taken freshman or sophomore year).

Mathematics 216. Statistics (normally taken freshman or sophomore year).

Psychology 320. Experimental Psychology (normally taken first semester of sophomore or junior year).
Prerequisites: Psychology 211, Basic Psychology; Mathematics 216, Statistics.

Psychology 317. Personality (normally taken second semester junior year).
Prerequisites: Psychology 211, Basic Psychology, or instructor's permission.

Psychology 322. History and Systems (normally taken first semester senior year).

Prerequisites: Psychology 211, Basic Psychology; Mathematics 216, Statistics; Psychology 320, Experimental Psychology; Psychology 317, Personality; or instructor's permission.

Psychology 422. Senior Seminar (taken second semester of senior year).
Prerequisites: Psychology 211, Basic Psychology; Mathematics 216, Statistics; Psychology 320, Experimental Psychology; Psychology 317, Personality; Psychology 322, History and Systems; or instructor's permission.

ELECTIVE TRACKS

Hierarchies of suggested elective courses for students interested in specific areas of psychology are listed below. In each case, classes are arranged in the approximate order of their importance for that field of psychological study.

- A. Clinical or Social
 - 1. abnormal-clinical
 - 2. social-development-behavior modification
 - 3. tests and measurements
 - 4. personal adjustment
- B. Experimental-Research
 - 1. experimental II-learning
 - 2. physiological-cognitive
- C. Business
 - 1. industrial
 - 2. social-learning
 - 3. developmental

101. Psychology of Study Skills. 1 cr. hr.
A learning skills program designed for the improvement of reading and classroom learning.

102. Effective Reading Skills. 1 cr. hr.
A reading program designed for improving college-level reading rate, comprehension, and vocabulary. Improvement in vocabulary is based on a thorough study of etymology.

PSYCHOLOGY

211. Basic Psychology. 4 cr. hrs.

An introduction to the major areas of the field, psychology is viewed as a biosocial science of behavior, and emphasis is placed on the scientific basis of our current understanding of behavior. Prerequisite to all other courses in the department. Both semesters.

214. Personal Adjustment. 2 cr. hrs.

The psychology of personal adjustment, designed to help the student develop and apply an understanding of emotional adjustment and minor personality disturbances of essentially normal individuals. Discussion of preventive and corrective programs and resources. (Meets seven weeks.) Both semesters.

216. Elementary Statistics for Social Sciences. 4 cr. hrs.

See course description for Mathematics 216. NOTE: This is the only class for which PY211 is not a prerequisite.

234. Psychology and Education of the Exceptional Child. 2 cr. hrs.

See course description for Education 234.

303. Abnormal Psychology. 4 cr. hrs.

A descriptive and explanatory study of the major personality and behavior disorders of both childhood and adulthood, including psychogenic, psychosomatic, and organic problems. Attention to preventive measures, diagnostic methods, and therapeutic procedures. First semester.

304. Social Psychology. 4 cr. hrs.

A study of the influence of other people and of society collectively on selected aspects of an individual's behavior and personality, with special attention to the dynamics of group behavior. Second semester.

306. Developmental Psychology: Childhood and Adolescence. 4 cr. hrs.

Childhood and adolescence are treated both in terms of theoretical viewpoints of development and the psychodynamic issues of growing up in family and society.

Particular attention is paid to current developmental viewpoints in relation to contemporary problems of family (particularly parents) and community (especially schools and teachers). Either childhood or adolescence may be studied one-half of the semester for 2 hours credit. Both semesters.

308-309. Independent Studies. 1-4 cr. hrs. (Junior and below.)

312. Physiological Psychology. 4 cr. hrs.

A study of the biological foundations of behavior: the neural and glandular structures and functions, the sensory and motor equipment, and their significance for a psychological understanding of behavior.

In the laboratory, emphasis is placed upon the brain and the autonomic nervous system in their relationship to behavior. Research and laboratory techniques are introduced. Laboratory. First semester.

317. Personality. 4 cr. hrs.

A theoretical study of personality and its formation. Different viewpoints about the nature and functioning of personality are compared and evaluated. The study of personality is applied to disorders, with an introduction of research problems in personality to help develop one's rationale. Second semester.

318. Tests and Measurements. 4 cr. hrs.

A survey of the major principles, concepts and instruments employed in psychological evaluation, diagnosis and counseling, with special attention to reliability, validity, and construction of tests, and interpretation of results. First semester.

319. Introduction to the Principles of Behavior Modification. 2 cr. hrs.

An introduction to theory, research and practice in behavior modification. It is intended that this course will function not only to familiarize the student with the field, but that it will assist in further reading and research. While the emphasis is "academic," the clinical and applied considerations will be an integral part of the course. Second semester.

PSYCHOLOGY/RELIGION

320. Experimental Psychology I.

4 cr. hrs.

An introduction to the basic experimental methods and procedures utilized in psychological research, including a review of basic methods of data analysis and experimental design. The basic research literature in learning is studied. Students participate in the design, collection of data, analysis of data and write-up of the results of experiments conducted with human subjects, goldfish and rats. Lecture and laboratory. Required of majors. Normally taken first semester of sophomore or junior year. Special prerequisite: MA 216, Statistics.

321. Experimental Psychology II.

4 cr. hrs.

A review of the research literature, methodology and methods of data analysis utilized in the areas of motivation and perception. An emphasis is placed upon research, and each student is involved in the care and maintenance of the small-animal laboratory. Individual research projects are designed and executed by each student who also constructs his own experimental apparatus in the department's workshop. Special prerequisites: MA 216, Statistics; PY 320, Experimental Psychology I. Second semester.

322. History and Systems.

4 cr. hrs.

The rise and growth of modern psychology in its contemporary expressions. Attention is given to origins, major developments, and present trends in psychological thought. Special notice is paid to international directions. Required of majors. Normally taken first semester senior year. Special prerequisites: MA 216, Statistics; PY 320, Experimental Psychology I; PY 317, Personality.

400. Clinical Psychology.

4 cr. hrs.

Exploration of clinical psychology as a profession with inquiry into professional relationships and organizations. Emphasis is also placed upon clinical diagnosis and treatment of behavioral disorders. First semester.

408-409. Independent Projects for Seniors.

1-4 cr. hrs.

411. Contemporary Issues in Psychology.

4 cr. hrs.

This course is designed as a seminar approach to current topics which are of importance to psychologists. The content of the course is determined by the nature of topics addressed at a high frequency in psychological journals and other important articles and books. Each student will prepare a nomination paper for an issue to be explored by the class. The student will prepare one major paper and presentation and write one paper per week of class.

421. Seminar.

1-4 cr. hrs.

Topics to be announced, prior to registration, in special interest areas not justifying a regularly scheduled course. Enrollment by permission of department only.

422. Senior Seminar.

4 cr. hrs.

This class is designed to be an integrative experience for the entire curriculum. Topics are examined which enable the student to see connecting links among the various areas of psychological study. The course also utilizes an interdisciplinary approach to reveal the relationship of psychology to other academic disciplines. Required of all majors; intended as a preparation for comprehensive departmental examinations. Taken second semester of senior year. Special prerequisites: MA 216, Statistics; PY 320, Experimental Psychology; PY 317, Personality; PY 322, History and Systems.

Religion

Professor Moore, chairman; Associate Professor Partain; Assistant Professor Duke.

The W.D. JOHNSON
DEPARTMENT OF RELIGION

One of the following numbered courses will fulfill the college requirement in

RELIGION

religion: 113, 114, 115, 211, 212, 213. No student may take both 113 and 115. Other courses than these listed above may be elected as partial fulfillment of the Humanities general requirement for graduation. Juniors and seniors must take a 200 or above numbered course and may not take a 100 numbered course without special permission of the dean of the college and the department chairman.

A major in religion requires 24 hours other than the course taken to meet the general college requirement. At least three courses must be 300-400 level courses, and three courses must be taken at William Jewell. For a double major, one must complete all General Education requirements for the BA degree.

Church-Related Vocations Practicum.

The religion department of William Jewell College offers a vocational practicum for those students who have committed their lives to a Church-Related Vocation. Students are eligible to receive a CRV grant of \$750 as long as they are enrolled in the college, maintain a 2.0 over-all grade point average, take four courses in the religion department (not counting 140-180), and meet the requirements of the financial aid office. At least two of the courses should be 300 or 400 level courses. Music students may substitute courses from the music department curriculum with the approval of the music faculty and the director of the CRV program. Transfer students must see the director of the CRV program about the basic requirements for their participation in the program.

113. Biblical Studies in Christian Faith. 4 cr. hrs.

A thematic study of selected Biblical passages which treat classic issues in Christian faith such as creation, the nature of man, the relation of law and freedom and how revelation occurs. Offered each semester.

114. The Bible: Its Origin and Transmission. 4 cr. hrs.

The course is a study of the development of

a sacred literature within the Biblical record and shows how this literature came to be canonized and transmitted by the historical process. Some attention will be given to basic principles used in the interpretation of the Bible. Offered each semester.

115. The Hebrew Heritage of Western Civilization. 4 cr. hrs.

The main ideas of the Old Testament Literature are examined with attention to their influence on Western culture. Selections from every section of the Old Testament will be studied. Offered first semester.

140. Introduction to Christian Ministry. ½ cr. hr.

The basic course on involvement in the Christian ministry, 140 is designed to expose the student to various types of ministries and opportunities for service available in the Christian church.

141. Applications of Christian Ministry. ½ cr. hr.

This course is designed to acquaint the student with the practical techniques of ministry to persons in varied situations. The content will include weddings, funerals, baptisms, visitation, witnessing, crisis ministry, and numerous other areas.

150. Introduction to Christian Ministry. ½ cr. hr.

Continuation of Religion 140.

151. Applications of Christian Ministry. ½ cr. hr.

Continuation of Religion 141.

160. Practicum in Christian Ministry. ½ cr. hr.

Each student is required to be involved in a Christian ministry under the direction of a supervisor who is trained and involved in that specific area of ministry.

161. Practicum in Christian Ministry. ½ cr. hr.

Continuation of Religion 160.

170. Readings in Christian Ministry.

½ cr. hr.

Students are expected to do approved reading in their area of ministry and write a report of those readings.

171. Readings in Christian Ministry.

½ cr. hr.

Continuation of Religion 170.

180. Christian Ministry Winterim.

½ cr. hr.

January of even-numbered years, the CRV students will have a chance to travel off-campus to be involved in some practical aspect of Christian ministry. Winterim projects will include mission involvements in ghettos, foreign countries, university campuses, resort areas, Indian reservations and other important cultural, political and social structures. Credit from the project will substitute for any course numbered 140-171.

211. Jesus and the Gospels.

4 cr. hrs.

Using the four Gospels, limited material from Acts, and some extra-Biblical sources, the course is designed to understand Jesus and His teaching as well as the contribution of each Gospel writer in preserving the records about Jesus. Offered first semester.

212. The Early Church and Paul.

4 cr. hrs.

The growth and development of the Christian community after the death of Jesus is studied. While emphasis is placed on Paul's activities, his thought, and influence as reflected in his own writings and the book of Acts, other New Testament authors and personalities are used to complete the story of Christianity to the end of the first century. Offered second semester.

213. Biblical Ethics.

4 cr. hrs.

A study of Biblical selections throwing light on the problems of moral choice. Will explore basic questions as: What was the

foundation of moral choice for the Hebrews? What is the basis for ethical decisions in New Testament writings? Offered each semester.

303. Christian Belief and Theological Reflection.

4 cr. hrs.

This course provides an introduction to basic Christian doctrines and to the task and fundamental vocabulary of Christian theology. In the process of these tasks, the course will explore the interrelationships among Christian doctrine, common human experiences, theological reflection, concerns of the Christian community, and primary religious experiences.

330. Classic Christian Thought.

4 cr. hrs.

A study of the classics of Christian thought which have influenced the growth and the development of Christian Theology from the second century to the nineteenth century. The course offers exposure to primary source material.

335. American Christianity.

4 cr. hrs.

The story of America's developing religious situation. Analyzes historically how the various denominations began in this country and traces the development of these groups. Considerable emphasis will be placed on sect and minority church groups as well as the Baptist denomination in America from the Revolution to modern times. Offered first semester, 1982.

336. Religious Revolution and Change in Christian History.

4 cr. hrs.

A study of Christian history from apostolic times laying emphasis on individuals who were innovators within the Christian church. Strong emphasis will be given to Reformation Christianity.

337. The Mystical in Christianity.

4 cr. hrs.

This study examines the validity of claims that one has "known" God. It seeks answers to: What is a Christian religious experience? Is a mystical presence of God

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valid for a Christian? Is the charismatic movement a revival of historical mysticism? Answers will be sought through the study of mysticism in history. Offered second semester.

339. The Study of Religion. 4 cr. hrs.
An investigation of religion and its place in society and the life style of the individual. An inquiry will be made into the social and psychological dimensions of religion, its function as a value system, and expression of man's inner experience, and as a pattern of belief. While non-Christian religions will be investigated, the Hebrew-Christian tradition will be basic source material. During the study the student will deal with such questions as: What is religion? What meaning does it offer for man's self understanding? Do all religions share common elements? Is one religion better than another? Offered first semester.

344. The Church and Its Hymnody. 4 cr. hrs.
See course description for Music 344.

451. The Religions of Mankind. 4 cr. hrs.
A survey of the major religions of the world, past and present. Emphasis is upon the Eastern religions of the Hindu, Buddhist, and Moslem. The study is primarily historical, but an effort is made toward understanding these religions in their present day expressions.

452. Biblical Studies: Seminar. 1-4 cr. hrs.
A seminar in a specified section of the Biblical Literature or its cognates. (Designed for pre-seminarians and majors.) The course may be taken for credit more than once. Seminar topics are as follows:

452a. Development of Christian Worship.
How Christian worship developed and changed from New Testament to modern times. Proposes investigating valid Christian worship today. Offered second semester, 1983.

452b. An Introduction to the Methods and Aims of Archaeology. A study of how archaeological excavations have contributed to the understanding of the Bible, its history, geography, customs and translation.

452c. The Beginnings of the Religious Quest of Man. 4 cr. hrs.
This course will deal with the religions of the Mediterranean World in an effort to understand mankind's search for ultimacy. The course is a study of the beginnings of primitive religion outside the Judeo-Christian tradition. The religious systems of Mesopotamia, Canaan, and Egypt will be discussed. Included for study are the beginnings of Greek Religion, the Popular or Mystery Religions of the Mediterranean world, and Gnosticism as it influenced orthodox Christianity. Offered second semester, 1983.

453. The Christian Faith and Modern Man. 4 cr. hrs.
Why believe in the Christian God? How does God speak to man? What is the origin and nature of evil? What is man? What difference does Christ make? What is the future of the church? These and other questions are explored through the study of classical Christian faith as expressed by Christian thinkers. The course studies theology: What difference does God make? Offered first semester, 1982.

454. Theological Problems. 4 cr. hrs.
This course will study in depth one significant theological problem such as authority, the theodicy question, the doctrine of the Trinity, church and society, or the Incarnation. Students will be exposed to a variety of perspectives on the selected issues. Prerequisites: eight hours in religion or consent of instructor.

455. Independent Studies. 1-4 cr. hrs.
Independent studies in a selected area according to the interest and ability of the student. May be accomplished in an off-campus project or honors program with prior approval of the department. A formal written summary of the project findings will be submitted.

456. Christianity and Contemporary Issues. 4 cr. hrs.

A study of the relevance of Christianity to issues confronting the present generation student. A selection of problems such as secularity and Christianity, God talk, new morality, relevance of the church, church and state, ecumenism, race relations, Jesus People, Christianity's relation to other religions, and exology, will be identified and discussed. Selection and expansion of topics vary from year to year. Offered second semester, 1983.

Sociology

Professor Whaley, chairman; Professor Chasteen.

Major: 24 semester hours, including courses 211, 319 and 351.

211. Introduction to Sociology. 4 cr. hrs.

This introduction to the study of sociology includes an examination of what sociologists know and how they know it. The concepts and methods of sociology are examined. Culture, community, the family and other basic institutions, research methods, are among the topics covered.

218. Social Work. 2 cr. hrs.

A survey of the nature and philosophy of social work, its historical background, and general theory of social work and its application to individual and community problems. Designed to acquaint the student with the social work profession and its function in modern society.

270. The Sociology of Sport and Leisure. 2 cr. hrs.

A study of sport sociologically, especially in relation to social organization, culture, socialization deviance, group enrichment, minority groups, demography and the mass media.

301-302. Seminars. 1-4 cr. hrs.
Special interest areas not included in the regular sociology offerings. To be announced.

304. Social Psychology. 4 cr. hrs.
See course description for Psychology 304.

313. Population Issues and Analysis. 4 cr. hrs.

The population explosion and its effects upon institutions and individuals are examined. Special attention is given to the importance of population problems and policies in relation to current national and international economic, political, social and religious conditions. Second semester.

315. Social Gerontology. 2 or 4 cr. hrs.

An examination of the effect of aging upon the social structure. Attention is given to the changes in the economic, political, religious, family and medical systems resulting from the increase in life expectancy.

322. Criminology. 4 cr. hrs.

A study of the nature, causes and consequences of crime and delinquency; an analysis of the judicial process; an evaluation of various methods of treatment and prevention of crime; a wide variety of field work opportunities. First semester.

326. Marriage and the Family. 4 cr. hrs.

A cross-cultural study of family structure and functions; significant social characteristics of the American family; changing family roles; family organization, disorganization and reorganization. Second semester.

332. Cultural Anthropology. 2 or 4 cr. hrs.

A systematic introduction to cultural anthropology. Special attention is given to contemporary urban ethnic communities. The nature and process of cultural development are studied in connection with

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the language, institutions, and customs of people. Urban field work is extensively pursued. Second semester may be taken for two or four hours credit; two-hour students may take either the first or second seven weeks.

338. Race and Ethnic Relations.

2 or 4 cr. hrs.

Racial and ethnic minorities in the United States are considered in the light of the findings of natural science, cultural anthropology, social psychology, religion and sociology. A realistic approach is sought to the many-sided problems of better relationships among the minority groups and between these groups and American society in general. Work with Kansas City area ethnic and racial groups is an integral part of the course. May be taken for two or four hours credit; two-hour students may enroll for either the first or second seven weeks.

351. Methods of Social Research

4 cr. hrs.

See course description for Social Research 351.

412. Advanced Sociology.

4 cr. hrs.

A historical and analytical study of major contributions of social thought, including the origin and development of early social thought, contributions of pioneers in the field of sociology, major types of sociology theory, contemporary social theory. Prerequisite: Sociology 211. First semester.

427-428. Readings in Sociology.

1-2 cr. hrs.

Readings are assigned from the works of prominent sociologists. Individual reports are arranged. For seniors.

431-432. Research Seminar.

1-4 cr. hrs.

An intensive study of special areas of sociological theory and research. Each student is expected to engage in research under the supervision of the department. Prerequisite: Sociology 351. Corequisite: Mathematics 216, Statistics, or equivalent.

Social Research

The social research major is administered by the sociology department and fuses the traditional liberal arts focus with an interdisciplinary combination to produce quality professional competence in skills which have practical application in the job market. It involves the applied social sciences in statistical analysis of both public opinion in general and the response of select groups of the public to specific questions, including market research. The department considers it to be a second major, which may be pursued along with any other major. Most often it is combined with one of the following: business, communication, computer science, mathematics, nursing, political science, public administration, public relations, psychology, recreation, or sociology. It is a B.A. degree program.

Admission. Interested students apply to the department for admission to the program any time from the spring semester of the freshman year on. To be admitted and remain in the program, students must have a 2.5 overall GPA, and a 3.0 in the major, and acquire and maintain skills in research and writing. The department admits a limited number, and may review and terminate students' eligibility at regular intervals. An application should include the student's reasons for wanting into the program, proposed course of study, GPA, and primary major.

Requirements. Social research is a 40-credit hour major, most of which counts also toward other majors and requirements. It is divided as follows: 14-16 hours of required core courses; 12 hours selected from a list of electives; a 4-hour research project; and an 8-hour internship. All courses except the basic course, research project and internship are offered by established departments. Similarly, these special social research courses may be cross-listed by various departments, and research or internship credit may be applied toward an established major by special agreement with the student's major department.

CORE COURSES (14-16 hours)

For project design—Social Research 351	4 cr. hrs.
For data analysis—Mathematics 125	4 cr. hrs.
and Mathematics 216	4 cr. hrs.
For write-up—Communication 211 or English 320	4 cr. hrs. 2 cr. hrs.
TOTAL REQUIRED CORE COURSES:	14-16 cr. hrs.

ELECTIVES (select any 12 hours)

Communication 212	4 cr. hrs.
Economics 418	3 cr. hrs.
Business Administration 301	3 cr. hrs.
Business Administration 305	3 cr. hrs.
Business Administration 306	3 cr. hrs.
Mathematics 225	4 cr. hrs.
Political Science 111	4 cr. hrs.
Political Science 112	4 cr. hrs.
Political Science 232	4 cr. hrs.
Political Science 233	4 cr. hrs.
Political Science 301	4 cr. hrs.
Psychology 304	4 cr. hrs.
Psychology 320	4 cr. hrs.
Psychology 321	4 cr. hrs.
TOTAL ELECTIVE HOURS:	52 cr. hrs.

Note: Some core or elective courses may have prerequisites required by the respective departments. Social research majors must meet those prerequisites unless the department waives them, and taking such prerequisite does not count toward this major.

These electives allow a student to concentrate in one area or to distribute the electives among many departments.

351. Methods of Social Research.

4 cr. hrs.
Required of all sociology and social research majors, open to any other

interested students. Topics include: theory of scientific research; research design; survey research techniques—sampling, instrument design, pretesting, interviewing, ethics; data manipulation—hand tally, data processing, statistical techniques for data analysis, data display; report writing and critique. Requires 15 hours of field work experience and several laboratory exercises. Students continuing with Social Research 452 in the second semester will design and prepare class project(s) during the first semester which they will complete in the second semester. Those not continuing will do an individual analysis and write-up of available data during the first semester. Prerequisites: 12 hours in social sciences (including Sociology 211 for sociology majors); and Mathematics 216 (statistics) must precede or be taken concurrently. Offered first semester.

452. Survey Research Project. 4 cr. hrs.

Open to students in any department who wish to pursue any kind of an individual or group survey research project. Except for students entering directly from Social Research 351, project proposals must be cleared with the department in which a student wants credit (unless for a social research major) and must be submitted to the sociology department no later than the seventh week of the semester prior to beginning the project. Application forms are available at the sociology department office. The topic may involve a survey done for a client, a sponsored survey, or a student-designed project. Whatever the topic, the student must secure experience in sample selection, questionnaire design, coordinating data collecting, preparation of data for computer, data processing, and analysis and write-up. Each social research major must complete one such project prior to undertaking the internship and in place of a senior comprehensive examination. Majors normally undertake the project, therefore, during the junior or first half of the senior year. Prerequisite: Social Research 351 or consent of instructor. Offered second semester or on request.

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471-472. Internship. 8 cr. hrs.

A one-half to one semester on-the-job experience with a governmental or private agency, involving practical use of skills acquired in Social Research 351, 452, which are prerequisite. Open to students in any field; may be combined with internship requirements for other majors (such as public administration).

The student assumes responsibility for a half-time to full-time job, under the

direction of a cooperating administrator and a faculty supervisor. The time, place and responsibilities are determined on an individual basis.

Formal application must be made to the department by the seventh week of the semester prior to beginning the internship. If credit is sought in a department, approval of the internship must be secured from that department prior to application to the sociology department.



PERSONNEL OF THE COLLEGE/FACULTY

FACULTY OF INSTRUCTION, 1981-82

Date after name indicates year of first appointment.

Department of Art

David Busch Johnson, 1970, *Associate professor of art, and chairman*. BA, 1955, Wheaton College; BAE, 1960, School of Art Institute of Chicago; MS, 1967, Illinois Institute of Technology (Institute of Design); MFA, 1974, University of Kansas.

Department of Biology

Judith A. Dilts, 1975, *Associate professor of biology*. AB, 1968, MA, 1975, PhD, 1976, Indiana University; further study, University of South Dakota.

Daniel L. Mark, 1980, *Assistant professor of biology*. BA, 1968, MA, 1970, Drake University; PhD, 1974, University of Illinois.

Charles F. J. Newlon, 1956, *Associate professor of biology*. AB, 1956, William Jewell College; MA, 1962, University of Missouri-Columbia; further study, University of Missouri, University of Puerto Rico, University of Missouri-Kansas City, Kansas City Museum of Science and History, Michigan Technological University.

Burdette L. Wagenknecht, 1968, *Professor of biology, and chairman*. BA, 1948, MS, 1954, University of Iowa; PhD, 1958, University of Kansas; further study, Syracuse University, Arizona State University, University of Puerto Rico, Oklahoma State University, Harvard University.

Department of Chemistry

Marvin P. Dixon, 1965, *Professor of chemistry, and chairman*. AB, 1960,

William Jewell College; MS, 1963, PhD, 1965, University of Illinois.

Edwin H. Lane, 1980, *Assistant professor of chemistry*. BS, 1972, PhD, 1977, University of Oklahoma; further study, University of Oklahoma.

Department of Communication

Kim Bradford Harris, 1979, *Assistant professor of communication*. BA, 1968, Carson-Newman College; MS, 1970, PhD, 1975, Southern Illinois University.

Lois Anne Harris, 1979, *Assistant professor of communication, and chairman*. AB, 1968, Carson-Newman College; MS, 1970, PhD, 1974, Southern Illinois University; further study, University of Kansas.

Linda Newton, 1965, *Assistant professor of communication*. AB, 1962, William Jewell College; MA, 1963, University of Missouri; MA, 1981, University of Missouri-Kansas City; further study, University of Kansas Medical Center.

Emily N. Swisher, 1979, *Assistant instructor of communication*. BS, 1971, Missouri Valley College; further study, University of Maryland, University of Missouri-Kansas City, Central Missouri State University.

Tom H. Willett, 1967, *Associate professor of communication*. AB, 1966, Colorado State College, Greeley; MA, 1967, University of Nebraska; PhD, 1976, University of Missouri-Columbia.

Tim Mensendiek, 1979, *Assistant instructor of communication, and manager of the radio station*. AB, 1979, William Jewell College; further study, University of Missouri-Kansas City.

Department of Economics and Business Administration

Michael T. Cook, 1978, *Assistant professor of economics*. BA, 1969, MA,

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1973, University of Chicago; doctoral study, Vanderbilt University.

Jean Hawkins, 1976, *Associate professor of business administration*. BS, 1968, MA, 1970, Central Missouri State University; CPA (Missouri), 1974.

Elizabeth R. Hoyt, 1981, *Instructor of business administration*. BS, 1975, Northwestern University; MBA, 1979, University of Wisconsin.

Lowell R. Jacobsen, Jr., 1981, *Instructor of economics*. BA, 1979, Buena Vista College; MIM, 1980, American Graduate School of International Management; further study, Oxford Centre for Management Studies, Oxford University; The Russian School, Middlebury College.

Otis E. Miller, 1978, *Professor of economics, and associate dean for continuing education*. BS, 1952, PhD, 1962, University of Missouri-Columbia.

Jimmy Patricia Mohler, 1980, *Instructor of business administration, and acting chairman*. BSBA, 1971, University of Missouri-Columbia; MBA, 1979, St. Louis University.

Stephen L. Sturdevant, 1981, *Associate professor of economics*. BA, 1965, University of Missouri-Kansas City; MA, 1967, University of Arizona; PhD, 1976, University of Missouri-Kansas City.

Department of Education

Mary Ellen Bleakley, 1977, *Assistant professor of education*. BA, 1962, University of Michigan; MA, 1966, PhD, 1977, University of Colorado; further study, Oakland University, Fort Hays State University.

Ronilue Beery Garrison, 1980, *Instructor of education*. BS, 1963, William Jewell College; MS, 1966, University of Kansas.

Kenneth W. Kickbusch, 1981, *Assistant professor of education*. BS, 1960, University of Wisconsin-River Falls; MA, 1967, Bowling Green State University; PhD, 1981, University of California-Santa

Barbara; further study, University of Wyoming, Valparaiso University, University of Wisconsin-Milwaukee.

Daniel M. Lambert, 1970, *Associate professor of education, and vice president for institutional planning and development*. AB, 1963, William Jewell College; MA, 1965, Northwestern University; PhD, 1977, University of Missouri-Columbia; further study, Harvard Divinity School, University of Missouri-Kansas City Law School, The Claremont Graduate School.

Faye E. Moore, 1979, *Assistant professor of education*. BA, 1955, Bethany Nazarene College; Diploma, The Montessori Training School for Teachers, Lee's Summit, Missouri; MEd, 1973, Northeastern Illinois University; EdD, 1976, Northern Illinois University.

M. J. Stockton, 1972, *Professor of education, director of teacher certification, and chairman*. BA, 1962, Baylor University; MA, 1967, Sam Houston State University; EdD, 1971, Baylor University; further study, Georgetown University.

Department of English

John A. Canuteson, 1974, *Associate professor of English, and director of the writing program*. BA, 1964, University of Texas at Austin; MA, 1965, University of Chicago; PhD, 1975, University of Florida.

D. Dean Dunham, Jr., 1961-1965, 1969, *Professor of English, and chairman, and faculty instructional aide*. BA, 1960, Hastings College; MA, 1962, University of Arkansas; PhD, 1970, University of Nebraska.

Richard L. Harriman, 1962, *Associate professor of English, and director of the Fine Arts Program*. AB, 1953, William Jewell College; MA, 1959, Stanford University; further study, Stanford University, Shakespeare Institute, Oxford University.

J. Gordon Kingsley, Jr., 1969, *Professor of literature and religion, and president*.

BA, 1955, Mississippi College; MA, 1956, University of Missouri; BD, 1960, ThD, 1965, New Orleans Baptist Theological Seminary; postdoctoral study (English), University of Louisville, 1968-69; HHD, 1980, Mercer University; further study, University College Galway (Ireland), Northwestern University, Harvard University.

Ian Munro, 1978, 1981, Assistant professor of English. BA, 1965, University of Victoria, British Columbia, Canada; PhD, 1976, University of Texas-Austin.

Cecelia Ann Robinson, 1979, Assistant professor of English. BA, 1969, Prairie View A&M University; MEd, 1971, Ed. Specialist, 1971, University of Missouri-Columbia; further study, University of Missouri-Kansas City, Oxford University, University of Missouri-Columbia, University of Kansas.

Ann Marie Woods Shannon, 1974, Professor of English, and coordinator of the Foundations program. BA, 1951, Agnes Scott College; AM, 1952, Radcliffe College; PhD, 1961, Emory University.

Mack L. Smith, Jr., 1980, Instructor of English. BA, 1970, MA, 1975, University of Houston; PhD, 1981, Rice University.

Jimmie E. Tanner, 1980, Professor of literature, and dean of the college. BA, 1955, Oklahoma Baptist University; MA, 1957, PhD, 1964, University of Oklahoma.

Myra Cozad Unger, 1961, Assistant professor of English. AB, 1960, William Jewell College; MA, 1963, Washington University; further study, University of Kansas.

Department of History

Kenneth B. Chatlos, 1973, Associate professor of history. BA, 1969, University of North Dakota; MA, 1971, PhD, 1976, University of Nebraska; further study, University of Indiana.

William W. Cuthbertson, 1958, Professor of history, and chairman. AB, 1952,

William Jewell College; BD, 1955, Southern Baptist Theological Seminary; PhD, 1962, University of Rochester; further study, University of Maryland, University of North Carolina.

John David Rice, 1967, Professor of history. BA, 1953, Texas A&M College; BD, 1958, Southwestern Baptist Theological Seminary; PhD, 1975, University of Missouri-Columbia; further study, University of Houston, Texas Christian University; NEH grants, post-doctoral study, Stanford University, Yale University.

Department of Languages

Katherine Griffith, 1965, Assistant professor of French. BA, 1956, University of Minnesota; MA, 1957, University of Wisconsin; further study, University of Massachusetts, University of Kansas.

Mary Walker Roberts, 1965, Assistant professor of modern languages. AB, 1962, William Jewell College; MEd, 1965, University of Missouri-Kansas City; further study, Phillips Universität, Marburg an der Lahn, Germany; Goethe Institut, Murnau, Oberbayern, Germany; University of Munich; University of Kansas.

Antonio Vera, 1978, Instructor of modern languages, and chairman. BA, 1969, MA, 1971, ABD, 1973, University of Missouri-Columbia; further study, St. Louis University.

Catherine Vera, 1974, Assistant professor of modern languages. BA, 1966, University of Missouri-Kansas City; MA, 1969, PhD, 1974, University of Missouri-Columbia; further study, Dartmouth College.

Library Faculty

Nancy G. Garner, 1981, Librarian and instructor. BA, 1980, William Jewell College; MLS, 1981, University of Maryland.

Bonnie Knauss, 1969, Librarian and assistant professor. AB, 1968, William Jewell College; MALS, 1969, University of Missouri-Columbia.

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John P. Young, 1967, *Director of library and assistant professor*. AB, 1964, William Jewell College; MALS, 1967, University of Denver; MPA, 1974, University of Missouri-Kansas City.

Department of Mathematics

Janette K. Barnes, 1981, *Instructor of mathematics*. BS, 1976, Oklahoma Baptist University; MS, 1978, Oklahoma State University.

Joseph Truett Mathis, 1969, *Associate professor of mathematics*. BA, 1963, Howard Payne College; MS, 1965, Texas Christian University; further study, University of Oklahoma.

Sherman W. Sherrick, 1968, *Assistant professor of mathematics*. BS, 1964, Southwest Missouri State; MS, 1968, University of Missouri-Rolla.

Darrel R. Thoman, 1962, *Professor of mathematics, and chairman*. BA, 1960, Hastings College; MA, 1962, University of Kansas; PhD, 1968, University of Missouri-Rolla; further study, University of Missouri-Kansas City.

Department of Music

Donald C. Brown, 1967, *Professor of music, director of church music studies, and chairman*. AB, 1961, University of South Carolina; MCMus, 1964, DMA, 1973, School of Church Music, Southwestern Baptist Theological Seminary.

Janice E. David, 1977, *Assistant professor of music*. BA, 1969, MA, 1977, University of Tennessee.

Sandra Emig, 1977, *Assistant professor of music*. BMus, 1973, MA, 1975, PhD, 1978, Ohio State University.

Calvin C. Permenter, Jr., 1980, *Instructor of music*. BM, 1976, University of Cincinnati College-Conservatory of Music; MM, 1979, Drake University; further study, American Conservatory of Music, Fountainebleau, France; Academie Ravel de Musique, St. Jean-de-Luz, France.

Phillip C. Posey, 1965, *Professor of music, and director of instrumental activities*. BME, 1959, Florida State University; MM, 1963, Eastman School of Music of the University of Rochester, N.Y.; DMA, 1974, University of Missouri-Kansas City Conservatory of Music.

Pauline Peck Riddle, 1972, *Associate professor of music, and director of keyboard studies*. BSEd, 1953, Southwest Missouri State College; MSM, 1956, Southern Baptist Theological Seminary; DME, 1972, University of Oklahoma; further study, University of Kansas.

James David Robinson, 1976, *Assistant professor of music*. BME, 1974, MM, 1976, West Texas State University.

Phillip Wendell Schaefer, 1976, *Assistant professor of music*. BA, 1968, University of Northern Iowa; MS, 1976, University of Illinois.

Dennis G. Stabler, 1981, *Assistant professor of music, and director of choral activities and vocal music*. BM, 1970, Furman University; MM, 1973, Northwestern University; ABD, University of Illinois-Urbana-Champaign.

Dean Wilder, 1975, *Associate professor of music, and director of vocal studies*. BA, 1963, Cascade College; MM, 1970, New England Conservatory of Music.

Department of Nursing Education

Carolyn Brose, 1972, *Associate professor of nursing education, and chairman*. BSN, 1964, Oklahoma Baptist University; MSN, 1966, Ohio State University; EdD, 1981, University of Kansas.

Carolyn Edison, 1977, *Assistant professor of nursing education*. BA, 1959, Baylor University; MS, 1968, Troy State University; BSN, 1974, William Jewell College; MN, 1977, EdD, 1981, University of Kansas.

Ruth Bax Edwards, 1973, *Associate professor of nursing education*. BSN, 1969,

University of Missouri-Columbia; MSN, 1973, University of Texas-Austin; further study, University of Kansas.

Greta Engberg, 1974, *Associate professor of nursing education*. Certificate: Nurse Midwifery, 1957, Edinburgh, Scotland; BSN, 1970, MSN, 1974, Texas Woman's University.

Victoria H. Erickson, 1979, *Instructor of nursing education*. BSN, 1977, Duke University; MSN, 1979, Vanderbilt University.

Evelyn Hutchison, 1972, *Associate professor of nursing education*. BS, 1959, University of Oregon; MS, 1964, University of Indiana.

Jeanne Johnson, 1973, *Assistant professor of nursing education*. BSN, 1956, University of Illinois; MA, 1975, University of Missouri-Kansas City; further study, University of Kansas.

Joanne Kersten, 1979, *Instructor of nursing education*. BSN, 1974, William Jewell College; MN, 1979, further study, University of Kansas.

Sherry Mustapha, 1979, *Assistant professor of nursing education*. BSN, 1960, MSN, 1977, University of Missouri-Columbia, further study, University of Kansas.

Diana Moree Stout, 1981, *Assistant professor of nursing education*. BSN, 1971, MSN, 1979, University of Missouri-Columbia.

Janet Vincent, 1978, *Assistant professor of nursing education*. BSN, 1957, MN, 1973, University of Kansas; further study, University of Kansas.

Department of Philosophy

Keith R. David, 1969, *Professor of philosophy*. BA, 1954, Oklahoma Baptist University; MA, 1962, University of Wichita; PhD, 1969, Southern Illinois University; further study, Regent's Park College of Oxford University.

Robert S. Trotter, 1949, *Professor of philosophy, and chairman*. AB, 1944, Mississippi College; BD, 1947, PhD, 1956, Yale University; further study, University of Minnesota.

Department of Physical Education

Fred Flook, 1975, *Assistant professor of physical education, and baseball coach*. BS, 1958; MA, 1971, Kansas State Teachers College of Emporia; further study, University of Utah.

Darrel W. Gourley, 1958, *Associate professor of physical education, and track and cross country coach*. BS, 1949, Northeast Missouri State College; MEd, 1952, University of Missouri; further study, University of Indiana, University of Missouri.

Larry Max Hamilton, 1967, *Assistant professor of physical education, director of men's athletics, and swimming coach*. AB, 1961, William Jewell College; MS, 1967, Central Missouri State University.

Larry R. Holley, II, 1979, *Instructor of physical education, and basketball coach*. AB, 1967, William Jewell College; MEd, 1968, University of Missouri-Columbia; further study, University of Missouri-Columbia, Northwest Missouri State University, DePaul University.

Barbara Rose Macke, 1968, *Assistant professor of physical education, and director of women's athletics*. BS, 1963, Southeast Missouri State University; MA, 1972, University of Missouri-Kansas City.

James A. Nelson, 1950, *Professor of physical education, and tennis coach*. BS, 1949, Missouri Valley College; MAEd, 1953, University of Missouri-Kansas City; further study, University of Illinois.

Norris A. Patterson, 1950-1969, 1975, *Professor of physical education and chairman*. BS, 1939, Missouri Valley College; AM, 1952, University of Kansas City; EdD, 1958, Columbia University.

FACULTY

Vic Wallace, 1981, *Head football coach, and admissions counselor*. BA, 1965, Cornell College; MA, 1970, University of Northern Iowa.

Department of Physics

Charles Don Geilker, 1968, *Professor of physics, and chairman*. AB, 1955, William Jewell College; MA, 1957, Vanderbilt University; PhD, 1968, Case Institute of Technology.

John L. Philpot, 1962, *Professor of physics*. AB, 1957, William Jewell College; MS, 1961, PhD, 1965, University of Arkansas.

Department of Political Science

William W. Adams, Jr., 1955, *Professor of political science*. AB, 1951, MA, 1954, Certificate of Russian Institute, 1960, PhD, 1968, Columbia University; law study, University of Kansas, University of Missouri-Kansas City; further study, University of Oklahoma (Munich program), Georgetown University.

John A. Eilers, 1981, *Professor of political science/public administration, and chairman*. AB, 1954, Lafayette College; MA, 1956, University of Maryland; PhD, 1972, University of Iowa.

Department of Psychology

M. Lee Minor, 1968-79, 1981, *Professor of psychology*. BA, 1961, National College; MA, 1963, Tulsa University; PhD, 1971, Colorado State University.

Robert E. Troutwine, 1980, *Instructor of psychology*. BS, 1976, Southwest Missouri State University; MS, 1979, PhD, 1980, Tulane University.

Robert H. Williams, 1975, *Assistant professor of psychology and chairman*. BA, 1973, William Jewell College; MA, (May), MA (Dec), 1975, PhD, 1979, University of Missouri-Kansas City.

Department of Religion

Oscar S. Brooks, 1963, *Professor of religion*. BA, 1949, Carson-Newman College; BD, 1954, PhD, 1959, Southern Baptist Theological Seminary; further study, Pacific School of Religion, Hebrew Union College Biblical and Archaeological School in Jerusalem, Tel-Aviv University Institute of Archaeology Expedition to Tell Aphek, Regent's Park College of Oxford University, The Johns Hopkins University, Indiana University.

Jerry B. Cain, 1978, *Instructor of religion, and chaplain to the college*. BS, 1968, Eastern New Mexico University; MA, 1971, Baylor University; further study, University of New Mexico, New Mexico Highlands University; Midwestern Baptist Theological Seminary.

David N. Duke, 1980, *Assistant professor of religion*. BA, 1972, Samford University; MDiv, 1975, Southern Baptist Theological Seminary; PhD, 1980, Emory University.

David O. Moore, 1956, *Professor of religion, and chairman*. AB, 1943, Ouachita Baptist University; BD, 1946, ThM, 1947, PhD, 1950, Southern Baptist Theological Seminary; further study, Union Seminary (New York), Vanderbilt University.

Jack G. Partain, 1980, *Associate professor of religion, and director of the Center for the Christian ministry*. BA, 1954, Baylor University; BD, 1959, Southeastern Baptist Theological Seminary; further study, University of Texas-Austin, North Carolina School of Pastoral Care; ABD, Southwestern Baptist Theological Seminary.

Department of Sociology

Edgar Chasteen, 1965, *Professor of sociology*. BS, 1957, MA, 1959, Sam Houston State College; PhD, 1965, University of Missouri; further study, University of Texas.

Bruce R. Thomson, 1959, *Professor of sociology, and executive vice president*.

FACULTY

AB, 1949, William Jewell College; BD, 1952, ThM, 1953, Southern Baptist Theological Seminary; MA, 1955, University of Louisville; PhD, 1959, Florida State University.

Earl R. Whaley, 1955, *Professor of sociology, and chairman.* BS, 1949, University

of Tennessee; BD, 1952, ThM, 1953, Southern Baptist Theological Seminary; MA, 1954, George Peabody College for Teachers; DM, 1974, Midwestern Baptist Theological Seminary; further study, University of Kansas.



FACULTY

Adjunct and Part-Time Faculty, 1981-82

Elizabeth Owen Arsuaga, 1981, *Adjunct instructor in nursing education.*

Georgia B. Bowman, 1947-79, 1981, *Adjunct professor of Latin.*

Helen Brown, 1968, *Adjunct instructor in music (piano).*

Elbert C. Cole, 1980, *Adjunct instructor in sociology.*

Clifton Collins, 1979, *Adjunct instructor in sociology.*

M. Kathryn Dixon, 1975, *Adjunct instructor in chemistry.*

Betty Dunham, 1969, *Adjunct instructor in music (piano).*

Phillip Dunham, 1981, *Adjunct instructor in music.*

Jan Echols, 1981, *Adjunct instructor in English.*

Megan Fitzgerald, 1981, *Adjunct instructor in English.*

Neita Geilker, 1971, *Adjunct instructor in English.*

Colleen Hamilton, 1981, *Adjunct instructor in music.*

Larry Harman, 1978, *Adjunct instructor in business law.*

Suzanne Heifner, 1981, *Adjunct instructor in music.*

Juarenne Hester, 1973, *Adjunct instructor in English education.*

Wallace A. Hilton, 1946, *Adjunct professor of physics.*

Mary G. Johnson, 1970, *Adjunct associate professor of French.*

Nancy Jones, 1975, *Adjunct artist-instructor in music (voice).*

Ed Lakin, 1950, *Adjunct professor of music.*

Rebecca Laurenzana, 1980, *Adjunct instructor in art.*

Alfred Gary Leonard, 1981, *Adjunct instructor in music.*

Pat Lund, 1968, *Adjunct instructor in physical education.*

Robin Maser, 1981, *Adjunct instructor in biology and chemistry.*

Chris McMenemy, 1979, *Adjunct instructor in art.*

Elaine Moore, 1977, *Adjunct artist-instructor in music (flute).*

Lisa Morrison, 1981, *Adjunct instructor in nursing education.*

Jim Mooney, 1981, *Adjunct instructor in sociology.*

Ann Posey, 1966, *Adjunct instructor in music (piano).*

Marilyn Propp-Jones, 1980, *Adjunct instructor in art history.*

Kay Reiswig, 1979, *Adjunct instructor in music (strings).*

Betty Richert, 1974, *Adjunct assistant professor of nursing education.*

Elizabeth Richter, 1979, *Adjunct instructor in music (harp).*

John Ricker, 1979, *Adjunct instructor in music (guitar).*

Leroy Seat, 1981, *Adjunct instructor in Greek.*

Dale Shetler, 1981, *Adjunct instructor in music.*

Gene Stokes, 1971, *Adjunct instructor in music (voice).*

Doug Washer, 1981, Adjunct instructor in philosophy.

Kermit C. Watkins, 1956-78, 1981, Adjunct professor of economics.

Marvin J. Weishaar, 1980, Adjunct instructor in accounting.

Jane Ann Welch, 1981, Adjunct instructor in music.

Alanson Willcox, 1981, Adjunct instructor in sociology.

Emeriti Faculty and Administrators

Georgia B. Bowman, Professor of communication, and chairman, 1947-1979.

Wilbur J. Bruner, Professor of modern languages, and chairman, 1936-1978.

Lutie Chiles, Professor of education and director of elementary education, 1950-1977.

Thomas S. Field, President, 1970-1980.

Bernice B. Gonzalez, Associate professor of modern languages, 1964-1974.

Hubert Inman Hester, Professor of religion, 1926-1961; Interim President, 1942-1943; Vice President, 1943-1961.

E.W. Holzapfel, Vice President of student affairs, 1947-1970; Acting President, 1969-1970.

Thurston F. Isley, Professor of education, 1930-1971.

D. Vern LaFrenz, Associate professor of mathematics, 1945-1969.

Edward Lakin, Professor of music, 1950-1977.

Lydia Lovan, Associate professor of music, 1946-1971.

Ruth McDaniel, Professor of modern languages, 1942-1970.

Ulma Roach Pugh, Professor of history, and chairman, 1929-1966.

Virginia D. Rice, Associate professor of communication, 1930-1975.

Olive E. Thomas, Associate professor of biology, 1946-1974.

Kermit C. Watkins, Professor of economics, and chairman, 1956-1978.

BOARD OF TRUSTEES

Board of Trustees

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Richard P. Bowles, M.D., *Residence, 414 N. Ridge, Liberty, Mo. 64068; business address, 112 N. Water, Liberty, Mo. 64068.* Private practice in general medicine, William Jewell College physician, former plant physician for Hallmark in Liberty; member, American Medical Association, Missouri State Medical Association, Clay County Medical Association, certified by American Board of Family Practice; member of staffs of North Kansas City and Liberty Hospitals; director, Centerre Bank of Liberty; member of Liberty Rotary Club, served on board of directors, Liberty Chamber of Commerce; received distinguished service award from Liberty Jaycees and Citation for Achievement from WJC; member and deacon, Second Baptist Church; Baptist.

Keith F. Broughton, D.O., *Residence, 14931 Covington Rd., Independence, Mo. 64055; business address, 1400 S. 7 Highway, Blue Springs, Mo. 64015.* Doctor of Osteopathy in private practice; president, Medical Center of Independence

(staff); president-elect, St. Mary's Hospital, Blue Springs; board of directors, Commerce Bank of Independence; advisory board of Blue Springs Ambulance Service; board of directors, Safety Management Systems; advisory board, Cancer Society of Eastern Jackson County; Baptist.

Homer D. Carter, *Residence, 904 Hurley Ave., Rockville, Md. 20850; business address, First Baptist Church, 55 Adclare Rd., Rockville, Md. 20850.* Pastor of First Baptist Church of Rockville, Md.; served on Foreign Mission Board of Southern Baptist Convention; supervisor, Doctor of Ministries program, Midwestern Baptist Theological Seminary; visiting professor, Southern Baptist Theological Seminary. Professor Adjunct (SBTS), St. Mary's Ecumenical Center, Baltimore; chairman of Special Study Committee, Government Aid to Missouri Baptist colleges and of Joint Committee (National and Missouri Baptists), Missouri Baptist Convention; author of Convention Press: **Equipping Deacons in Caring Skills**; active in Phi Alpha Theta and Kiwanis; Baptist.

William M. Crouch, *Residence, 239 Chasselle Lane, St. Louis, Mo. 63141.* Associated with Siegfried and Associates, St. Louis, Mo.; Sunday School teacher and deacon, Kirkwood Baptist Church; member, executive board, Missouri Quarterhorse Association.

Homer Earl DeLozier, D.D., *Residence, 1700 Bellevue, St. Louis, Mo. 63117.* Retired minister; supt. of missions, St. Louis Baptist Assn.; executive secretary, St. Louis Baptist Mission Board, retired; president, Missouri Baptist Convention; president, St. Louis Baptist Ministers' Conference, 1946; Missouri Baptist Children's Home, 1949-52; trustee, Home for Aged Baptists, 1950-51, moderator, St. Louis Baptist Association, 1952-53; president, St. Louis Mission Board, 1953-54; secretary, executive committee Missouri Baptist Hospital, 1955; Baptist.

BOARD OF TRUSTEES

D. Cleveland Franklin, Jr., C.P.C.

Residence, 1303 Ted Dunham Ave., Baton Rouge, La. 70802 (mailing address: P.O. Box 14932, Baton Rouge, La. 70808); business address, 2762 Continental Dr., Suite 201, Baton Rouge, La. 70808.

Member, board of trustees and executive committee, Baton Rouge General Hospital; president and member, board of directors, Louisiana Association of Personnel Consultants; national treasurer, The Certified Personnel Consultants Society, Inc.; president, Management Recruiters of Baton Rouge, Inc.; Baptist.

John L. Gilbert, Residence, 551A N.

Westwood Dr., Poplar Bluff, Mo. 63901; business address, First Baptist Church, 551 N. Westwood Dr., Poplar Bluff, Mo. 63901. Pastor, First Baptist Church, Poplar Bluff; member, served for 12 years as member, executive board of Missouri Baptist Convention; Baptist.

William D. Hawn, Residence, 333 W.

Meyer, #908, Kansas City, Mo. 64133. Hawn Bedding company, retired. Chairman of board, Hawn Bedding Company, Kansas City, Mo.; Kansas City Chamber of Commerce; board of trustees and board of governors, Baptist Memorial Hospital; advisory board of Defenders of Christian Faith; Baptist.

John E. Hughes, Residence, 14909 E.

34th St., Independence, Mo. 64055; business address, 500 West Truman Rd., Independence, Mo. 64050. Pastor, First Baptist Church, Independence, Mo.; chairman of the board, Radio and Television Commission, Southern Baptist Convention; moderator, executive committee, Blue River—Kansas City Baptist Association; chairman, Ethics Board, City of Independence; Baptist.

Lewis M. Krause, Residence, 2430

Westchester Blvd., Springfield, Ill. 62704; business address, Springfield Southern Baptist Church, Springfield, Ill. 62702. Pastor, Springfield Southern Baptist Church, Illinois; former work as fraternal representative to German Baptist Union under Southern Baptist Convention Foreign

Mission Board; pastorates at First Baptist Church, Camdenton and Fulton, Mo.; Immanuel Baptist Church, Jefferson City, Mo.; First Baptist Church, White Castle, La.; member, Relief Commission, Baptist World Alliance; Baptist.

Burnell Landers, M.D., Residence, 13101 Delaware Drive, Independence, Mo. 64055; business address, 6400 Prospect, Suite 300, Kansas City, Mo. 64132.

Physician in internal medicine, gastroenterology; staff privileges at Research Medical Center, North Kansas City Memorial Hospital, St. Joseph Hospital, Independence Sanitarium and Hospital, plus consulting staff privileges at seven other area hospitals; member of American College of Gastroenterology, American Society of Gastrointestinal Endoscopy, American Medical Association, Greater Kansas City Society of Internists, Jackson County Medical Society, Kansas City Southwest Clinical Society, Midwest Society for Gastrointestinal Endoscopy, Missouri Society of Internal Medicine; Baptist.

A. Phillip Lineberger, D.Min.,

Residence, 5628 Polo, Wichita, Ks. 67208; business address, 525 W. Douglas Ave., Wichita, Ks. 67213. Pastor, Metropolitan Baptist Church, Wichita; former pastor in Little Rock; graduate of Southwestern Seminary; leader in Arkansas Baptist Convention; received many honors, awards, including H.C. Brown Preaching Award, Outstanding Senior Preacher, Southwestern Baptist Seminary, "Who's Who in American Universities and Colleges", "Outstanding Young Men of America"; Baptist.

Eugene M. Moore, Residence, 5331

Norwood, Shawnee Mission, Ks. 66205; business address, 20 West Ninth Street, Kansas City, Mo. 64105. Executive vice president, Charles F. Curry Company; member, Real Estate Board; member, Kansas City Bar Association; member, Kansas City Chamber of Commerce; member, The Missouri Bar; Mortgage Bankers Association; trustee, Baptist Memorial Hospital; deacon, Wornall Road Baptist Church, Kansas City; Baptist.

BOARD OF TRUSTEES

Fred H. Pillsbury, *Residence, 680 South McKnight Road, St. Louis, Mo. 63124; business address, 1831 Chestnut, St. Louis, Mo. 63166.* Industrialist; retired vice-president & consultant, Gould, Inc., Century Electric Div., St. Louis, Mo.; Baptist.

Lavonne R. Rukin, *Residence, 3700 Briarcliff Rd., Kansas City, Mo. 64116.* Industrial Fumigant Co., Kansas City; Winru Chemical & Sales Co.; retired. Member, Soroptimist International of K.C., Mo., the Kansas City Women's Chamber of Commerce (former editor of that organization's publication, *The Civic Woman*); has served on board of directors of Shamrock House; sponsor, American Royal; assistant area director, the Administrative Management Society; editor of *Contact* for Greater Kansas City People to People Council; Baptist.

Gerald R. Sprong, *Residence, 3907 North 29th Terrace, St. Joseph, Mo. 64506; business address, American National Bank, St. Joseph, Mo. 64502.* President, chief executive officer and director of Ameribanc, Inc., St. Joseph; director, American Bank, Higginsville, Mo.; director, American Banccompany; Kansas City, Mo.; director, Price Candy Co., Kansas City, Mo.; St. Joseph Light and Power Company, St. Joseph; director, Seitz Foods, Inc., St. Joseph; deacon, Wyatt Park Baptist Church of St. Joseph; Baptist.

Harvey M. Thomas, PhD, *Residence, 617 Jefferson Circle, Liberty, Mo. 64068.* President, Thomas and Associates, Inc., psychological consultants to management; director, Arrow Rock Lyceum; member, Industrial Commission, Liberty; member, Kansas City Club; member, American Psychological Association, Midwest Psychological Association, Kansas City Psychological Association; certified psychologist, Missouri; certified psychologist, Kansas; Pi Kappa Delta; Sigma Xi; Baptist.

John F. Truex, *Residence, 13139 Thornhill Drive, St. Louis, Mo. 63131; business address, R. C. Morton and Associates, Suite 501, 230 S. Bemiston, Clayton (St. Louis), Mo. 63105.* Consultant, R.C. Mor-

ton and Associates; Corporate Vice President, TWA (retired); executive council, Delmar Baptist Church, St. Louis; Baptist.

William E. Turnage, *Residence, 509 Nashua Rd., Liberty, Mo. 64068; business address, Missouri Court of Appeals Building, 1300 Oak Street, Kansas City, Mo. 64106.* Judge, Missouri Court of Appeals, Western District; Baptist.

Donald V. Wideman, *Residence, 3314 N.E. Chippewa Dr., Kansas City, Mo. 64116; business address, First Baptist Church, 2205 Iron St., North Kansas City, Mo. 64116.* Pastor, First Baptist Church, North Kansas City; former pastorates at Liberty Manor Baptist, First Baptist of Oakville in St. Louis, Second Baptist in Festus; delegate to Baptist World Alliance, Tokyo, Japan; past president, Missouri Baptist Convention; active in committees and memberships with Southern Baptist Convention, Midwestern Baptist Theological Seminary, Missouri Baptist Convention, Kansas City Baptist Association, Clay-Platte Baptist Association, St. Louis Baptist Association, Jefferson County Baptist Association; trustee, Southwestern Baptist Theological Seminary; advisory planning committee, North Kansas City Memorial Hospital; North Kansas City Kiwanis Club; Baptist.

Carl F. Willard, *Residence, 634 West 66th Terrace, Kansas City, Mo. 64113; business address, Charles F. Curry Company, 20 West Ninth St., Kansas City, Mo. 64105.* Senior vice president and director, Charles F. Curry Company; director, Home Savings Association; member, Downtown, Inc.; member, Kansas City Chamber of Commerce, Real Estate Board; deacon, Calvary Baptist Church, Kansas City, Mo.; Baptist.

Bertram H. Witham, *Residence, 89 Fox Hill Road, Stamford, Conn. 06903.* Treasurer, IBM, retired. Consultant to IBM; chairman, Adela Investment Company S.A.; director, Fidelity Group of Companies; director, American Graduate School of International Management; trustee, Systems Control, Inc.

TRUSTEES EMERITI/ADMINISTRATORS

Trustees Emeriti

Joseph E. Culpepper, 333 West Meyer Blvd., Kansas City, Mo. 64113.

Grant Davis, 1334 E. Delmar, Springfield, Mo. 65804.

Samuel E. Maddox, 204 Hill St., Dothan, Ala. 36301.

Nathan A. Toalson, South Jefferson Street, Centralia, Mo. 65240.

Officers of the Administration, 1982-83

J. Gordon Kingsley, Jr., B.A., M.A., B.D., Th.D., *President*, Greene Hall.

Bruce R. Thomson, A.B., B.D., Th.M., M.A., Ph.D., *Executive Vice President*, Greene Hall.

Jimmie E. Tanner, B.A., M.A., Ph.D., *Dean of the College*, Greene Hall.

Daniel M. Lambert, A.B., M.A., Ph.D., *Vice President for Institutional Planning and Development*, Curry Library.

Johnnie Human, A.B., M.R.E., M.A., *Dean of Student Affairs*, Greene Hall.

Otis E. Miller, B.S., Ph.D., *Associate Dean for Continuing Education*, Jewell Hall.

Administrative Staff, 1982-83

Sharon Beltz, B.A., M.A., *Director of the News Bureau*.

Richard P. Bowles, M.D., *College Physician*.

Coy M. Brown, B.A., *Director of Corporate Funding*.

Brenda Burris, B.S., *Director of Women's Housing*.

Jerry B. Cain, B.S., M.A., *Instructor of Religion, Chaplain to the College and Director, Center for the Christian Ministry*.

Deola Gairrett, *Registrar*.

Clyde T. Gibbs, Jr., A.B., M.R.E., *Associate Director of Admissions*.

Daniel R. Griggs, B.S., *Director of Continuing Education*.

Sandra M. Hader, B.B.A., *Controller*.

Karen F. Hansford, R.N., B.S.N., *Admissions Counselor for Nursing*.

Rodger L. LaBeth, B.A., M.A., *Coordinator of the Mabee Center for Physical Education, and Associate Athletic Director*.

Adrian Lamkin, B.A., M.A., Ph.D., *Director, Center for Baptist Historical Studies*.

Jane Lampo, B.A., M.A., *Assistant to the Dean and Coordinator of International Programs*.

Charlotte M. Legg, B.A., M.A., *Director of Public Relations*.

Ronald C. Mullennix, B.A., J.D., *Trust Counsel*.

Dean Nay, B.S., *Manager of Food, Housing, and Auxiliary Services*.

Lynn W. O'Dell, B.A., M.A., M.Ed., *Director of Financial Aid*.

Gary Phelps, B.A., M.S., *Associate Dean of Student Affairs*.

Roger R. Redhair, B.S., M.S., M.B.A., *Assistant Director of Financial Aid*.

Aaron M. Reuck, B.S.C.E., *Director of Physical Plant*.

Judy Rychlewski, A.B., M.S., *Director of Career Development and Placement*.

William D. Soper, M.D., *Associate College Physician*.

Cheryl D. Steinkamp, A.B., *Director of Alumni Services*.

Larry E. Stone, A.B., M.A., *Associate Director of Admissions*.

ADMINISTRATORS/COMMITTEES

Vic Wallace, B.A., M.A., *Admissions Counselor.*

Esther Edwards Wells, A.B., M.S., *Director of Student Activities and Student Affairs Associate.*

Harley Wyatt, Jr., A.B., *Director of Admissions.*

John Young, A.B., M.L.S., M.P.A., *Director of Library.*

Committees of the College, 1982-83

Program and Policy Committees

CURRICULUM AND EDUCATIONAL POLICY: Dilts, Dixon, Edison, Emig, Garrison, Geilker, Mathis, Newton, Rice, Shannon, Unger, A. Vera

ADMISSIONS: Cook, Roberts, Sherrick

ADVISORY PROGRAM: Hawkins, Mustapha, Riddle

ATHLETICS: Erickson, Minor, Troutwine, **Wagenknecht**

CHRISTIAN COLLEGE: Barnes, K. David, Hawkins, D. Moore

COMMITTEE ON COMMITTEES: Erickson, C. Robinson, D. Robinson plus—Griffith, Miller, Rice

FACULTY COUNCIL: Brose, Mark, Newlon, **Posey**, Stockton

FACULTY DEVELOPMENT: Brown, Chasteen, Chatlos, Cuthbertson, L. Harris, Mohler, F. Moore, Riddle, Willett

HONORS COUNCIL: Bleakley, Edwards, K. Harris, Hoyt, Lane, Permenter, **Willett**

LIBRARY: Duke, Emig, Munro

INTERNATIONAL EDUCATION: D. Brown, Griffith, D. Johnson

PLANNING REVIEW: Duke, Hoyt, Minor, Unger, Wagenknecht

PRE-MEDICAL ADVISORY: Dilts, Dixon, J. Johnson, Philpot

PRE-LAW ADVISORY: Chatlos, Dunham, Eilers

THEME: J. David, **L. Harris**, Kersten, Trotter, Stout, Canuteson

WHO'S WHO IN AMERICAN COLLEGES AND UNIVERSITIES: Flook, Harriman, D. Moore, Thoman, Trotter, Troutwine, Vincent

FINE ARTS: Harriman, Jacobsen, D. Robinson

TEACHER EDUCATION: Macke, C. Robinson, Schaefer, Sherrick, Swisher

CALENDAR

Official Calendar 1982-83

First Semester

August 28
Residence Halls Open

August 28-31
Freshman Orientation

August 31
Registration

September 1
Classes Begin

September 7
Opening Convocation

September 15
Close of Registration
Changes

October 9
Homecoming

October 23
Parents' Day

November 23
Thanksgiving Holiday
Begins (5 p.m.)

November 29
Classes Resume

December 13-17
Final Examinations

December 17
Christmas Holiday
Begins (5 p.m.)

Winterim

January 10
Winterim Begins

January 21
Winterim Ends

Second Semester

January 21
Registration (a.m.)
Classes Begin (p.m.)

February 7
Close of Registration
Changes

March 4
Achievement Day

March 11
Spring Break
Begins (5 p.m.)

March 21
Classes Resume

April 1
Good Friday Holiday

May 9-13
Final Examinations

May 15
Baccalaureate and
Commencement

Summer School

June 6
Registration and
Summer School Begins

July 29
Summer School Ends

1983-84

First Semester

August 27
Residence Halls Open

August 27-30
Freshman Orientation

August 30
Registration

August 31
Classes Begin

September 6
Opening Convocation

November 22
Thanksgiving Holiday
Begins (5 p.m.)

November 28
Classes Resume

December 12-16
Final Examinations

December 16
Christmas Holiday
Begins (5 p.m.)

Winterim

January 9
Winterim Begins

January 20
Winterim Ends

Second Semester

January 20
Registration (a.m.)
Classes Begin (p.m.)

March 2
Achievement Day

March 9
Spring Break
Begins (5 p.m.)

March 19
Classes Resume

May 7-11
Final Examinations

May 13
Baccalaureate and
Commencement

Summer School

June 4
Registration and
Summer School Begins

July 27
Summer School Ends

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