

# CATALOG

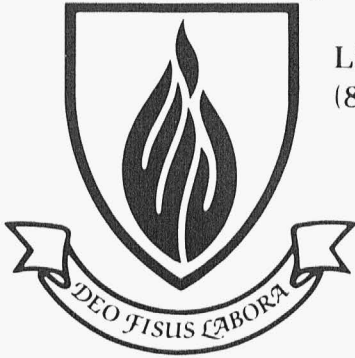
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WILLIAM  
JEWELL  
COLLEGE

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1984-1985

# William Jewell College



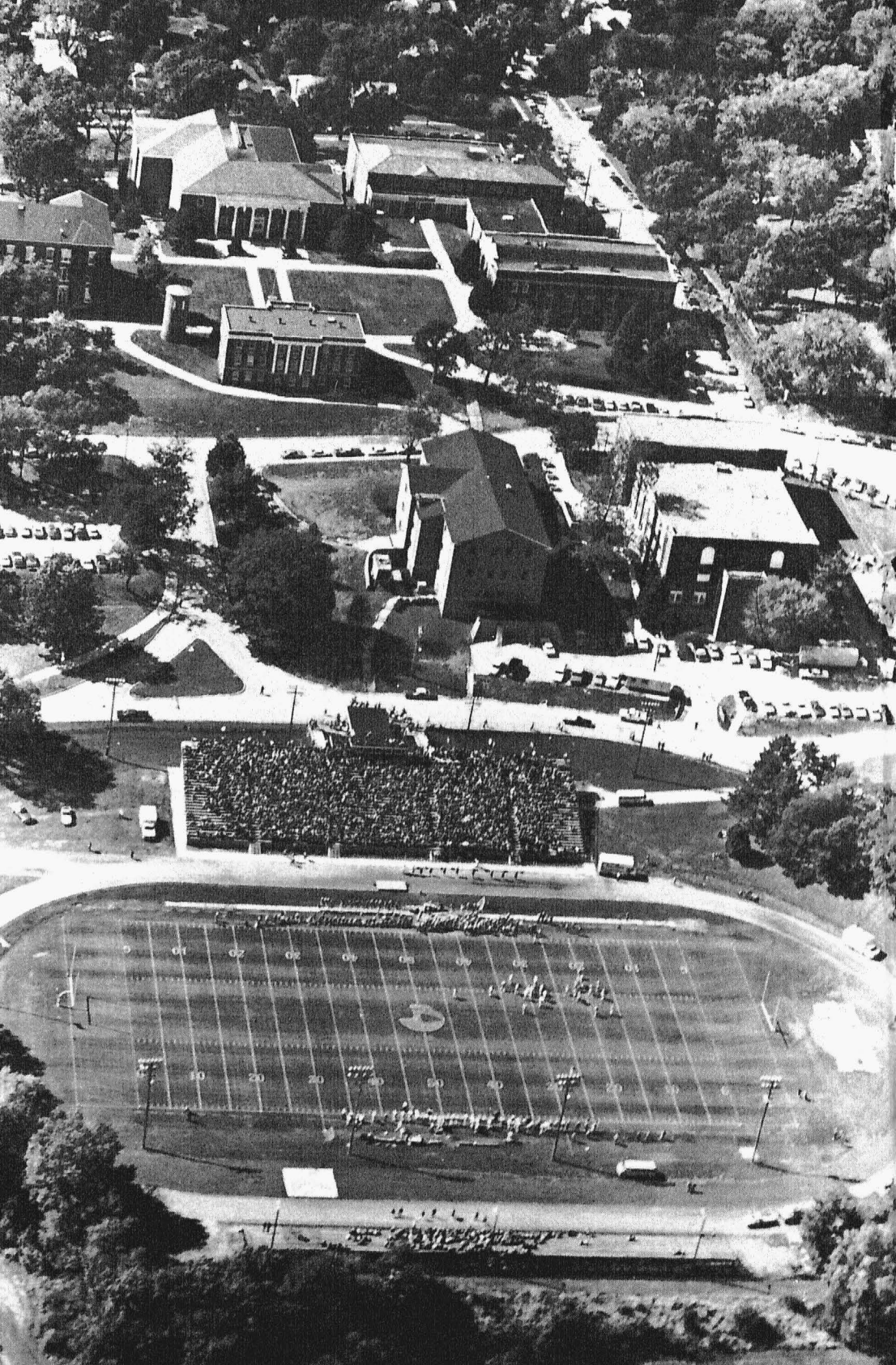
Liberty, Missouri 64068  
(816) 781-3806

## Catalog 1984-1985

*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 Amendments 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 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, 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, music building and multi-purpose 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 thoughtful 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 provide unique and significant educational, cultural and social services to the broader communities of Liberty, Kansas City, and the world at large.*

As an institution supportive of public service to the community at large, the college upholds its unique commitment to exceptional cultural and educational opportunities. Programs are offered to contribute in the intellectual, affective, spiritual, cultural, social and physical development of individuals as the college seeks to operate as a positive agent of change both on campus and in the larger community.

*To be an institution loyal to the ideals of Christ, demonstrating a Christian philosophy for the whole of life and*

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*expressing the Missouri Baptist heritage which is the foundation of the college.*

As a community in which the Christian commitment of the members exemplifies the compatibility of sound scholarship and the Christian faith in daily life, the college challenges the individual to embrace a value system advocating caring relationships and social concern. 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, and seeks new methods of communicating the Christian faith to each generation. As the steward of substantial denominational resources the college is committed to the preparation of students entering church related vocations, as well as students destined to be lay leaders in the denomination.

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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.

## Academic Advising

Academic advising is an important part of the teaching process at William Jewell. Each entering student is assigned an academic advisor soon after admission. Open students (those who are not yet ready to declare a major) and freshman/sophomore business majors are assigned to advisors throughout the college. Entering students declaring majors in all departments (except freshman/sophomore business majors) are assigned to advisors within their primary major field of study.

Students and faculty members may change advisory relationships whenever necessary

after consulting with the Director of Academic Advising. The college encourages the advisory relationship by scheduling time for academic advising within the normal academic calendar because 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 the degree plan, so the student also includes a general program. Two programs are available. Though most students enroll in the Distribution Curriculum, Program I below, 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 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 (biology, chemistry, computer science, mathematics, 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 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, 222 and 309, and Political Science 211 and 311.

The maximum credit toward the bachelor of arts degree that a student may receive in one subject-matter field is 40 hours.

**The Bachelor of Science Degree.** Students majoring in accounting, music, nursing, physical education, and systems and data processing 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.
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 115, 211, 212, 213.
5. Eight hours from Mathematics and Natural Sciences (biology, chemistry, computer science, mathematics, 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.

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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 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, 222 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 60 hours.

## Program II. The Integrated Curriculum of General Education

### **The Basic Skills Component:**

*English 100* or advanced placement by the department.

*Communication 100* or advanced placement by the department.

*Physical Education 100* plus 1 hour of activity courses.

**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**.

**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.

### **The Distribution Component:**

***Bachelor of Arts Degree.***

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

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

4 hours from Humanities (English, philosophy, religion (except 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, 222 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 40 hours.

***Bachelor of Science Degree.***

For students majoring in accounting, music, nursing, physical education, and systems and data processing (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 60 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 and activities of educational enrichment such as 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 or activities during a special registration period in the month of October. Students will register for courses and activities 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 and activities do require fees. Winterim courses carry one-half to two hours credit. A student may not duplicate a previous Winterim course or activity for credit toward graduation, nor take more than two Winterim courses under the same department. Up to four credit hours awarded for Winterim courses may apply toward 124 hours required for graduation, typically as elective credit. 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, and no more than two hours of credit may be earned in any one year, except in a mini-teaching or student teaching experience.

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

## 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 315 or 325 or in 305 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.

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 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

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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.

## Computational Proficiency

A student who wishes to graduate from William Jewell College must demonstrate proficiency in basic practical skills of computation—figuring area, finding percentages, doing proportions, calculating distance, *etc.* Any entering student whose score on the ACT mathematics examination falls below the twenty-fifth percentile must therefore pass the Computational Proficiency Examination with a score of at least seventy percent. The examination is offered every semester. Students must attempt the examination every semester until they pass it. Students must have passed the examination before registering for hours beyond sixty or before the end of their third semester at Jewell, whichever occurs later.

## Individual Areas of Concentration

Each student at William Jewell designs or chooses an area of concentration in light of interest, abilities, and objectives, and in accordance with the college guidelines outlined in the catalog under "Academic Regulations." The area of concentration worked out in consultation with the student's advisor, normally consists of six to 15 courses (24 to 60 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).

## The Oxbridge Alternative

The Oxbridge Alternative is a program of tutorials and examinations through which a small number of intellectually adventurous students may pursue their areas of concentration. As its name implies, it is an American adaptation of the educational method of the great English universities Oxford and Cambridge. In this method, the area of concentration or major is not defined by required courses, but by subjects to be included on comprehensive examinations taken before graduation. Instead of taking courses in these subjects, students prepare for the examinations by independent study and tutorial instruction involving individual conferences over assignments which they have completed. William Jewell's innovative adaptation of this method is supported by a grant from the Hall Family Foundations.

Approximately 20 freshmen and sophomores are accepted each year as Oxbridge Alternative students. Through the program, they are able to pursue tutorial majors in:  
English Language and Literature  
History

Institutions and Policy  
 (an interdisciplinary major combining  
 philosophy, politics, and economics)  
 Music  
 Religious Studies  
 Science  
 (an interdisciplinary major emphasizing  
 molecular biology)

Study will normally include a semester of full year spent at either Oxford or Cambridge.

Although the Oxbridge Alternative is not exclusively an honors program, it is designed to meet the needs of some of the best students entering American colleges today. It emphasizes independent reading, writing, and the development of abilities of critical analysis. It gives students primary responsibility for their own learning.

Interested students may consult the Senior Tutor about the rigorous application process.

Further information is given in this catalog in the section on courses of study. For a full description of the program, please consult **The Oxbridge Alternative Handbook.**

## 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 and the professor directing the study. 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."

## Off-Campus Study

A student wishing to pursue a portion of college studies off campus should seek the assistance of the 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, the college enables students to become familiar with other countries and to develop cross-cultural

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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.

*All scholarships and financial aid used to study at William Jewell during the academic year 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, in addition to the Oxbridge Alternative program, through which 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 the first week with either program, will meet with the tutor, who helps define the limits of study for the semester and directs the 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, except as part of an Oxbridge Alternative major, is awarded by William Jewell College and is recorded as "Study at Oxford with Honors."

Applications will be accepted from students with minimum 3.5 cumulative grade point average. Applications are due Feb. 15 for study at Oxford the following academic year. Oxbridge Alternative majors are not involved in this process, as study at Oxford or Cambridge is an integral part of the program for which they have already been accepted.

● **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, and three for the secondary. 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, William Jewell College and other institutions. 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 are due April 1 for study at Harlaxton either fall or spring semester of the following year.

**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 Feb. 15 for study at Seinan Gakuin the following year.

**Paris, France.** One of the world's most romantic and historic cities, Paris and the surrounding French countryside offer much to the students who study in one of two programs in France. The program begins with a month of intensive French language study at the Alliance Francaise. From there, the student enters one of two program options:

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**La Sorbonne.** Three levels of instruction are offered at one of the world's oldest and most respected universities. The Advanced Program is for students with three years of college French and a solid background in European history, civilization and literature. Lectures are the primary mode of instruction, and grades are based entirely on final exams. The Regular Program, for students with two years of college French, will study language and civilization. The Introductory Program puts the student immediately into basic French language courses.

**Institut Catholique.** The Institut program is similar to that at the Sorbonne, but it requires a year of study. The teaching style is more familiar to American students, with class discussion, written assignments and some final exams. Required is a practical language class and four to six civilization courses each of the three terms of the trimester. A slightly wider selection of courses is available. The Institut also offers a program in French business administration, an appealing option for the student headed for a career in international business. The business program is offered in two levels, and at its conclusion the student may qualify, through examination, for an official endorsement from the prestigious Chambre de Commerce de Paris.

To apply for the programs in Paris, contact the director of international studies. Application deadline is April 1 for either fall or both semesters and November 1 for spring semester only.

**Germany and Austria.** Germany is an intriguing country, dotted with castle ruins and medieval villages, with towering mountains and deep forests giving way to bustling cities. The first two months of this program are spent in Germany, working in intensive language study at a Goethe Institute and preparing for the academic experience to come. The student then moves to Vienna, a vibrant, pulsating city at the crossroads between East and West. Vienna, one of the most romantic of all European cities, is full of historical interest

and reminders of a splendid past. The academic system in Europe requires more outside reading and individual research, more formalized lectures and one final exam to determine the grade. Applications for the program must be submitted by April 1 for the full year or November 1 for the spring semester option.

**University of Granada, Spain.** A land of enormous contrast in landscape, people, language and lifestyle, Spain offers excitement, challenge and perspective. The whole country is the classroom in this program which is based in three very different locations—a rural setting, the nation's capital and a large provincial city. Two distinct programs are available: the Regular Program, for students who have completed at least two years of college-level Spanish, and the Advanced Program, for the students with three or four years of college-level Spanish and/or who have had previous overseas experience in a Spanish-speaking country. There are a number of course options to fit the student's own educational interests. In all cases, instructors are native professors from the University of Granada, and all the work is done entirely in Spanish. Deadline for applications is April 1 for the full year or November 1 for the spring semester option.

**Winterim in Germany.** Interest in Germany is the only prerequisite for this Winterim experience. For about a month, participants study the geography, culture, architecture, history, music, art and literature of this fascinating country. The trip includes a visit to East Germany and East Berlin and skiing in the Alps. Offered in alternate years, the tour, led by Professor Mary Walker, has an application deadline of Sept. 30.

**Summer Study in Spain.** Students may earn 10 semester hours of credit in Spanish in an intensive program of language and cultural study in Spain, offered during June and July of alternate years.

The study program is arranged according to offerings and individual needs. All courses are taught in Spanish by William Jewell's

resident professors, Dr. Antonio Vera, a native of Spain, and Dr. Catherine Vera. (Note: Financial aid is not available for summer study.)

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

## 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 17 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 the advisor and the chairman of the department 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 the student 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

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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.

Through a special grant, a William Jewell student may receive a scholarship for graduate study at Brown University, Rhode Island. The Marston-William Jewell Scholarship for graduate study at Brown Graduate School involves a nomination by William Jewell faculty and acceptance for admission by Brown. Further information on the scholarship is available from Brown University.

**Business.** The department of business administration and economics 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 with a well-rounded knowledge of the dynamic character of economic society and the responsibilities faced by professionals 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
	<hr/> 16

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 or 318 . . . . .	3
Physics 214 . . . . .	5
Foreign Language . . . . .	4
Humanities . . . . .	4
	<hr/> 16

## Junior

FIRST SEMESTER	HRS.
Physics 443 . . . . .	4
Physics 322—323 . . . . .	4
Social Science . . . . .	4
Humanities . . . . .	4
	<hr/> 16

SECOND SEMESTER	HRS.
Mathematics 202 or 281 . . . . .	4
Physics 316—317 . . . . .	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

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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 program leading to a bachelor of science 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
	<hr/> 16

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

## Sophomore

FALL	HRS.
Analytical Chemistry 206 . . . . .	4
(Organic Chemistry 301 (alt) . . . . .	5)
Microbiology 221 . . . . .	5
Physical Education 100 . . . . .	1
Human Anatomy &	
Physiology 238 . . . . .	3
	<hr/> 13-14

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

**Junior**

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

SPRING	HRS.
Organic Chemistry 302 . . . . .	5
Immunology . . . . .	2
Physics 112 . . . . .	4
Humanities . . . . .	4
	<hr/> 15

**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. 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.

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**

By combining their study in the religion department with a complementary area of study at William Jewell, students will be better prepared for the significant learning experiences of seminary and for the field of service to which they have been called. The religion major normally requires a minimum of six four-hour courses beyond the basic religion course required of all William Jewell students. This requirement leaves enough hours to pursue another area of study to provide a solid liberal arts base for seminary study.

Possible combinations are:

Pastoral Ministry—religion + literature or history  
Church Music—religion + music  
Church Recreation—religion + physical education  
Evangelism—religion + communication  
Missionary—religion + foreign language  
Christian Counseling—religion + psychology  
Denominational Service—religion + business

**III. General Information**

1. All pre-seminary students are to have the chairman of the department of religion or a professor of that department on their advisement committee throughout their

# CURRICULUM

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. The double major (religion plus another area) is strongly recommended.

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 reflecting the broad educational values of the college and leading toward the highest level of professional competence in nursing.

The nursing 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 courses, and courses supporting the professional studies. The program and admissions procedures are described in the nursing 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.

### Educational Support Services

The division of Education Support Services provides assistance to all students desiring career counseling, personal counseling, and study skills instructions. The office of career development assists students in job referrals, career exploration, on-campus interviews, resume-preparation, interview procedures, and job placement. The learning skills office provides courses in learning skills and speed reading in addition to assisting students with learning problems.

### New Horizons

Students who are 22 years of age or older will find the New Horizons Program for re-entry students at William Jewell geared to their specific needs. Those students entering college for the first time or after several years of absence will find support services readily available. Special information on applying for admissions, scholarships and grants, academic advising, test-out procedures, and other concerns may be secured by contacting the Dean of Education Support Services, room 123, in Curry Library.

### Fine Arts Program

Now in its twentieth 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, Norman Vincent Peale, General

# STUDENT LIFE

Maxwell Taylor, astronaut James Irwin, Senator Hugh Scott, William F. Buckley, Jr., Mrs. Coretta Scott King, and Beverly Sills, among others.

## Athletic—Varsity and Intramural

William Jewell College enjoys an outstanding record of achievement in athletic competition. The football team made NAIA history by advancing to playoffs four consecutive years. The college is a member of the Heart of America Athletic Conference and competes in the following conference sports: baseball, basketball, cross-country, football, golf, soccer, tennis, track, 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, softball, swimming, tennis, track and cross-country, and volleyball. 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 consistently ranks among the top 10 in CEDA (Cross Examination Debate Association), sharing top honors with the University of 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 32 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 the Committee on the Christian College. 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 leadership of the Director of Student Ministries.

## 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 LIFE

## 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.

## 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. Owing 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

The Admissions Committee considers the following factors in admitting students to the college:

- Class standing in the upper half of the graduating class;
- Scores from the American College Testing Program (ACT);
- Recommendations by the high school counselor or principal.

The college strongly recommends that graduates from accredited high schools have 16 units of high school credit according to the following:

- 4 units of English. One may be in speech or debate; two must emphasize composition or writing skills.
- 3 units of mathematics. Algebra I and higher units must be used for the requirement.
- 2 units of science. General science is not included; one unit must be a laboratory science.
- 2 units of social studies.
- 2 units of a foreign language.
- 3 additional units selected from foreign language, English, mathematics (Algebra I and higher), science or social studies.

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 two transcripts 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.

# EXPENSES

## 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. Two copies of the high school transcripts or a record of credits from other post-secondary institutions.
3. The report of results from the American College Testing program.

## Accepted Applicants

Students who receive confirmation of acceptance by the college for study in the day program are required to post a \$25 enrollment deposit. This deposit is refundable when the student graduates or withdraws from the college, provided the student's account is clear. A student who has been enrolled one semester or longer and who decides not to continue enrollment should notify the student affairs office 30 days before the beginning of the academic term in order to receive a refund of the enrollment deposit.

## Resident Applicants

In addition to the enrollment deposit, individuals who want to be resident students must post a room reservation deposit of \$50 within 30 days after notice of acceptance.

This deposit must accompany applications submitted after June 1. While making the deposit cannot guarantee a place in a residence hall, typically housing assignments are made in August and reflect the order in which the 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, the student 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 the 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 . . . . .	\$2,060	\$4,120
Room . . . . .	390	780
Board . . . . .	620	1,240
	<hr/> \$3,070	<hr/> \$6,140

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 . . . . . \$1,160

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 220 or 230 courses. Students registered for fewer than 12 semester hours pay tuition at the rate of \$175 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

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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 . . . . .	\$25
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 class music lessons per semester are assessed:

One lesson per week . . . . .	\$ 60
Two lessons per week . . . . .	\$120
Class lessons . . . . .	\$ 40

## 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 85% 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

# FINANCIAL AID

Pastor's Christian Leadership Award, academic excellence scholarship) 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

The following standards of satisfactory academic progress must be maintained to keep one's eligibility for financial aid:

**Hour Completion Requirement.** A student is encouraged to plan the course load in order to complete approximately one-fourth of the graduation requirements each year. A student enrolled as full-time (12 hours or more) must complete a minimum of 24 hours per year; three-quarter time students (9-11 hours) must complete a minimum of 18 hours per year; half-time students (6 hours) must complete at least 12 hours per year.

**Grade Point Average Requirement.** Those who receive financial assistance must have a cumulative grade point average high enough to avoid academic probation. The following categories will help to develop a reasonable academic and extra class load.

<i>Class/Min. G.P.A.</i>	<i>Min. Aid G.P.A.</i>
Freshman/1.5	2.0
Sophomore/1.75	2.0
Junior/2.0	2.0
Senior/2.0	2.0

A student is designated as being on "academic probation" when the grade point average is below 2.0. A student so designated is ineligible to receive college funded scholarship and grants.

A student whose cumulative grade point average falls below the minimum G.P.A. for the class standing is "dropped for scholastic deficiency." A student who fails to raise the cumulative G.P.A. to 2.0 by the end of the semester following placement on probation will lose financial assistance for the following semesters or until the student is removed from probation.

A student re-admitted to the college after academic dismissal is not eligible for federal, state or college-funded financial assistance until the minimum cumulative G.P.A. of 2.0 is met.

**Appeal Procedure.** A student whose aid is terminated in accordance with this policy may appeal the termination to the Financial Aid Committee. Appeals should be submitted in writing to the Associate Dean for College Opportunity Programs. The Financial Aid Committee will notify the student of its decision.

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 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.

Students will be limited to \$2,000 combined William Jewell grants as part of the financial aid package. No exceptions will 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, National Merit Scholarships, Salutatorian, Valedictorian, Spencer, Volker and Heritage Scholarships, Pastor's Christian Leadership Awards, Church-Related Vocations, Acteen and Royal Ambassador Service Aides, Grants-in-Aid, Hester Scholarship, Ministers' Dependents, Pell Grants (BEOG), Missouri Student Grants (MSG), and Supplemental Educational Opportunity Grants (SEOG).

Loan assistance, which must be repaid, also is available: Missouri Guaranteed Student Loans, National Direct Student Loans (NDSL), Federal Nursing Student Loans, 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 Award  
Doug Amidon Memorial Scholarship  
Agnes Atwood Estate  
Lon Amick Memorial  
Eugene Earl Amick Award  
Bailey Memorial 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  
Blenchar Fund (Ministerial)  
A.D. Blythe Estate  
James D. Borawski Memorial  
Robert W. Bouknecht, Jr.,  
Memorial Scholarship  
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

# FINANCIAL AID

Centralia (Mo.) Baptist Church  
 Lutie Chiles Scholarship  
 Joe L. Clark  
 Class of 1908  
 Class of 1913  
 Class of 1943  
 Max Clifton Scholarship  
 Ida Coffman Education Scholarship  
 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  
 Arthur Dailey Trust  
 Frank Davidson Memorial  
 Gladys & Ralph Davidson Memorial  
 Debate Scholarship  
 Jim Davis  
 James & Mollie Deems Memorial  
 Delmar Baptist Church-ST. Louis  
 Jennie Dicks  
 James & Ruth Downing Memorial  
 Helen Early Award  
 James Eaton Memorial Scholarship  
 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  
 Jo Catherine Ferguson Memorial  
 First Baptist Church (St. Joseph)  
 Wesley L. Forbis Scholarship  
 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. & Theodocia Griffiths  
 Amanda Harbaugh  
 Sheryl Lynn Harman-Morgan  
 Memorial Scholarship  
 William Harris Memorial  
 P. Caspar Harvey Memorial Scholarship  
 Arthur & Mary Hartung Scholarship  
 Glenn Hendren Scholarship  
 Johanna Nordman Herget Memorial  
 John F. Herget  
 John Minor Herget Memorial  
 Donald Herman  
 H.I. Hester  
 Carrie Hieronymus  
 Bessie Hill Estate  
 R.C. Hilton Physics Award  
 Wallace A. Hilton Award  
 Charles Hoffman Memorial Scholarship  
 Fund  
 Hogue-Rowland Memorial Fund  
 William Holcombe  
 E.W. Holzapfel Award  
 Cloice R. Howd Memorial  
 Leonard R. Howell, Jr., Music Scholarship  
 Humphrey  
 Louise Hegberg Jackson Memorial  
 Scholarship  
 Ed Jarvis Scholarship  
 Amos Johnson  
 Elizabeth Price Johnson  
 Roy & Margerite Johnson  
 Judson Jones Memorial  
 Mr. & Mrs. 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  
 Henry Leimkuehler  
 Sam Leimkuehler Estate  
 A.R. Levering  
 Lydia Lovan Accompanist Award  
 William Luce  
 Nelson E. McCoy Mem. (Ministerial)  
 Rella Gibbs McCrory Trust  
 Luke McCrory Estate  
 Foster B. McHenry Scholarship Fund

Robert McKee  
 J.P. Mabrey Memorial Fund  
 Cecil Martin Memorial Scholarship  
 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  
 James E. Murphy Award  
 Mr. & Mrs. Merwien Murphy  
 William C. Nelson Mem. Scholarship  
 Harris Newman  
 Northeastern  
 Parents Association  
 Capt. Bower Reynolds Patrick Memorial  
 Norris Patterson Scholarship  
 Patterson-Robertson  
 Garnett Peters  
 Mary B. Peters Memorial  
 John Pew Memorial  
 Pinkerton-Rick Scholarship  
 Ethyl Potter Memorial  
 John Prichard  
 U.R. Pugh Memorial  
 Mrs. Albert Reeves  
 Reynolds Ministerial Fund  
 Richmond High School  
 Roy Roberts  
 A.M. Robertson  
 Mrs. J.B. (Maud) Robinson Scholarship  
 Wm. James & Susie Robinson Award  
 Rodewald/Brown Award  
 Roselle Estate  
 Bessie G. Ross Estate  
 George A. Ross Mathematics Award  
 Albert Rowell  
 D.G. Rowland Chemistry Award  
 Robert Rude  
 Sewell & Wilmetta Scott Chemistry  
 Scholarship  
 William Senter  
 Catherine, Janet, John Sillers  
 Benjamin Jones Simpson Memorial  
 J. Neil Smith Memorial  
 Lorna Lavery Stafford Estate  
 Lola Stamper Memorial  
 Paul Lee Sturges Scholarship  
 Carol Thomas Memorial Nursing  
 Scholarship

Trustee Fund  
 Alexander Trotter  
 Martha F. Trotter  
 Richard E. Turner  
 United Daughters of the Confederacy  
 William Volker Scholarship  
 Estella J. Wachter  
 Wakai Memorial Scholarship  
 Dr. Donald M. Wald Scholarship  
 Anita Ward Nursing Scholarship  
 Judge Richard E. Watson Memorial  
 Alma Welch Memorial  
 Wm. Widner Memorial  
 William H. Williams Sr.  
 W.J. Williamson  
 A.F. Witzel Scholarship  
 Woman's Committee of William Jewell  
 College Award  
 John Wornall  
 Wyatt Park Baptist Church  
 William F. Yates Scholarship  
 Z.W. Zentmeyer

## Designated Scholarships

Alpha Delta-Kappa Alpha  
 American Baptist Board of Education  
 American Business Women's Association  
 Arnote Foundation  
 Mildred Lawson Ayres  
 Baskett Memorial  
 Boulevard Baptist Church  
 Stephen Bufton Memorial Scholarship  
 Pat Cartwright Scholarship Fund  
 Frank Davidson Scholarship  
 Farmers Insurance  
 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)  
 Hartung Scholarship  
 P. Caspar Harvey, Harvey Achievement  
 Scholarship (Amery)  
 H.I. Hester (Liberty Hospital)  
 Hirsch Foundation  
 Junior Achievement

## FINANCIAL AID

Ray and Mary Klapmeyer  
Leavey Foundation  
Don McInnes Memorial Scholarship  
MFA Foundation  
Margaret Fund  
Missouri Baptist Convention  
McGlothlin Trust  
National Merit Scholarship  
New Haven Baptist Church  
North American Phillips  
Oliver Storer  
Opdyke-Education Commission of SBC  
Thomas Paul Fund  
Harriett Pearson Scholarship  
Rotary International District  
Southwestern Bell Telephone  
Grace Still  
Ed Watkins  
William Jewell College Woman's  
Committee  
Wyatt Park Baptist Church

## Church Ministries Practicum

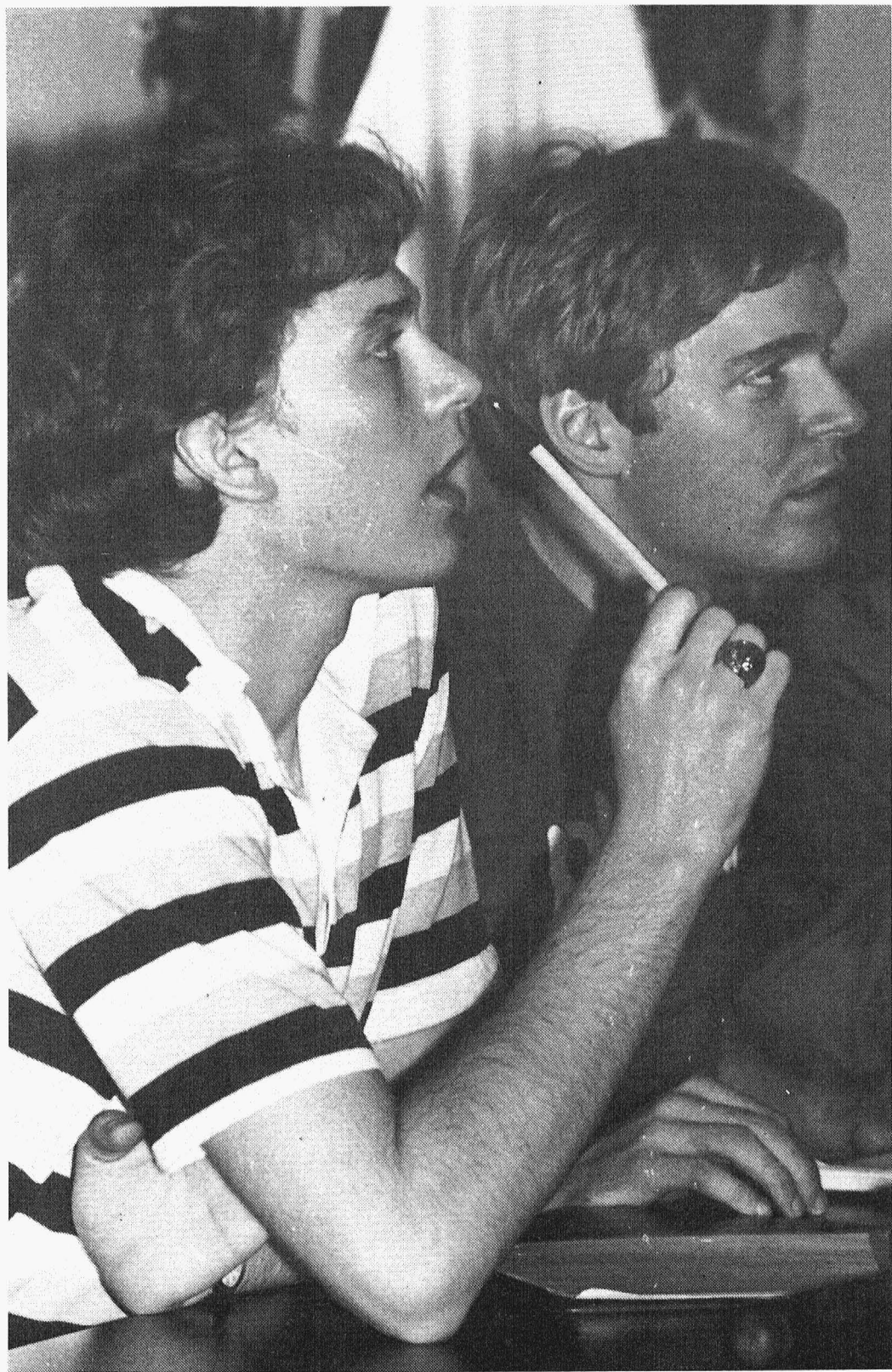
The church ministries student is eligible

for an \$1800 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 the 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, 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. (A second baccalaureate degree may be awarded to the student who completes at least 30 additional hours and all degree requirements.)

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 24 hours in the area of concentration is required for graduation. Students who transfer into the college must complete in residence a minimum of 12 hours in the area of concentration. Majors in elementary education and music education must meet certification requirements, as stated in the respective department 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 "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 fewer may, with 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.

# ACADEMIC REGULATIONS

9. The college may accept for graduation up to ten semester hours of credit from an 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 30 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 and thereafter.

## Grading and Grade Points

Grades are expressed by the letters A, B, C, D, F, PR, R, 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. The grade of R in English 100 means *repeat*. 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, without 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:

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.

## The Comp Test

All entering freshmen and the graduating

seniors (either the entire class or a representative group) take the ACT College Outcome Measures Project test, which helps the college assess the general learning of the student body as a whole.

## 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 of 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 14 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

# ACADEMIC REGULATIONS

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.

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 very early in their academic career with the campus where they eventually wish to graduate. By arranging in advance for appropriate courses to be taken prior to transfer, a student can minimize problems. 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. 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, the student may not transfer work from a community or junior college.

## The Library

The library plays a vital role in the

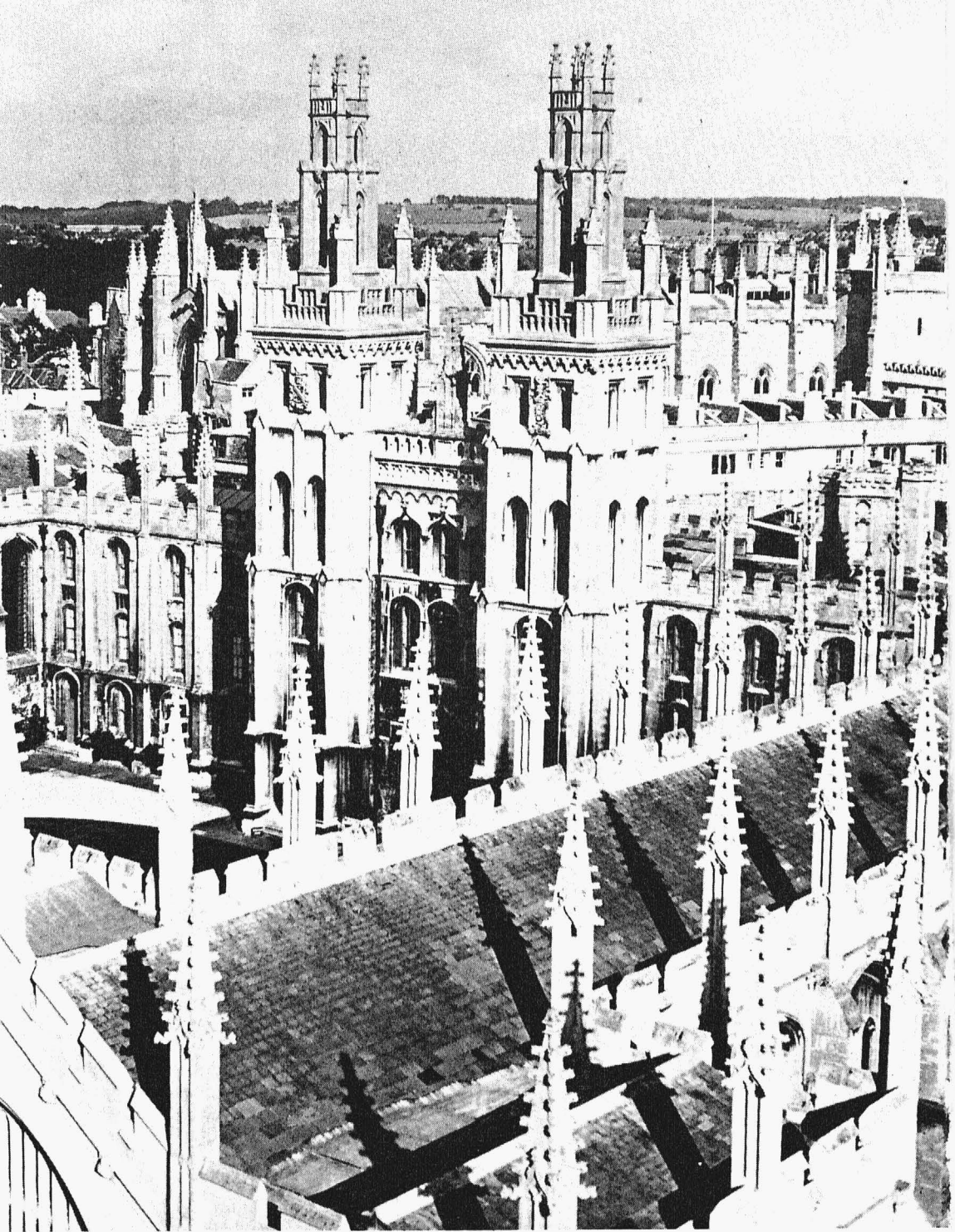
academic life of William Jewell College, and the Charles F. Curry Library is located at the center of the campus quadrangle for easy access.

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 instructs 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/ART

## 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, 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, British studies, business administration, chemistry, communication, computer science, economics, elementary and secondary education, English, French, history, international relations, management, mathematics, medical technology, music, nursing, philosophy, physical education, physics, political science, psychology, public administration, public relations, religion, sociology, Spanish, and systems and data processing.

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 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.**

## 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 in printmaking are required to donate examples, mutually acceptable to student and department. Graduating art majors are required to donate an example of their work, mutually acceptable to student and department.

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.

## ART/BIOLOGY

**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, 1984-85.

**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.

**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, Mark, Newlon.*

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.

Biology 238 and 239, Human Anatomy and Physiology, may not be taken to satisfy any of the 30 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. 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, and energy. Course topic may change from year to year. Methodology of teaching is individualized instruction. Not open to majors. No prerequisites. Second semester, alternating years, 1985-86.

## **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, 1985-86.

## **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. Alternating years. Second semester, 1984-85.

## **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.

## **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.** 5 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. First semester, alternating years, 1985-86.

## **301. Environmental Field Studies.** 2-6 cr. hrs.

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

## **324. Developmental Biology.** 4 cr. hrs.

The study of patterns and mechanisms of vertebrate embryonic development. Prerequisites: 8 hours of biology; Chemistry 101 and 102 or equivalent. Second semester, alternating years, 1985-86.

## **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. Second semester, alternating years, 1984-85.

# BIOLOGY/BRITISH STUDIES

## **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. Second semester.

## **335b. Mammals.** 2 cr. hrs.

7 weeks. Alternating years. Second semester.

## **335c. Fish.** 2 cr. hrs.

7 weeks. Alternating years. Second semester.

## **335d. Birds.** 2 cr. hrs.

7 weeks. Alternating years. Second semester.

## **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. Prerequisite: Biology 221. Alternating years. Second semester. 1985-86.

## **346. Genetics.** 4 cr. hrs.

Mendelian and molecular genetics. Prerequisite: 12 hours of biology; Chemistry 102 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 and supervising faculty. By arrangement.

## **403. Plant Physiology.** 4 cr. hrs.

A study of the principal 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, 1984-85.

## **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 factors governing the relationships among flora, fauna, and 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.

## **409. Comparative Physiology.** 4 cr. hrs.

The study of the structure and function of mammalian systems. Prerequisites: 12 hours of biology, Chemistry 101 and 102 or equivalent, organic chemistry recommended. Alternating years. First semester, 1985-86.

## **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 developmental 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

# BRITISH STUDIES/BUS. ADM. & ECONOMICS

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.

Introduction to the Study of Language (e.g. English 335) 5 cr. hrs.

Survey of English Literature (e.g. English 465 & 475) 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 the final senior semester; this experience will have as its chief purpose the synthesizing of 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 or tutorial with a broad and significant topic designed to cause the student to synthesize the 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 the topic with extensive reading and will write a paper, including bibliography. The course could be fulfilled as part of an Honors Project if all of the above stipulations are also met.

## **Business Administration and Economics**

*Associate Professor Stark, chairman; Professors Hawkins, Miller; Assistant Professors Cook, Hoyt, Mohler; Instructors Gordon, Gottschalk, Nickle.*

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

## **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 Computer Science 120 and 130. Requirements vary by state to qualify to

## BUS. ADM. & ECONOMICS

take 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, 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 are 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.

### **336. Corporate Taxation.** 3 cr. hrs.

Federal taxation of partnerships, corporations, estates, trusts, gifts and inheritance. The course will acquaint students with the process and mechanisms of taxation on the national level beyond that of the individual. A study of taxation of corporations in various conditions—as a going concern, as a liquidating concern and as a reorganizing concern—as well as taxation as it pertains to estates and gifts. Tax planning included. Prerequisite: AC 335.

### **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.

## 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 199 is 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.

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## **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.

## **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. 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 21 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 406. In addition, Computer Science 120 and 130 are 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, Computer Science 120 and 130 and Mathematics 145 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.

## BUS. ADM. & ECONOMICS

### **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. 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.

### **SUGGESTED PROGRAMS FOR ACCOUNTING, BUSINESS ADMINISTRATION AND ECONOMICS MAJORS**

# BUS. ADM. & ECONOMICS

Listed below are suggestions for the timing of major course requirements in the programs offered by the department of business administration and economics.

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

SPRING	HRS.
AC 312 Intermediate Accounting II . . . . .	4
EC 202 Principles of Macroeconomics . . . . .	2
CS 120 BASIC . . . . .	2
CS 130 Intro to Computers . . . . .	2

### 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
MA 145 College Math. . . . .	4

### Junior Year

FALL	HRS.
BA 318 Elementary Statistics for Business & Economics . . . . .	3
CS 120 BASIC . . . . .	2
CS 130 Intro to Computers . . . . .	2
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

# BUS. ADM. & ECONOMICS

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

## Junior Year

FALL	HRS.
BA 201 Organization & Management . .	3
BA 305 Marketing . . . . .	3
BA 318 Elementary Statistics for Business & Economics . . . . .	3

SPRING	HRS.
CS 120 BASIC . . . . .	2
CS 130 Intro to Computers . . . . .	2

## Senior Year

FALL	HRS.
BA 301 Personnel Management . . . . .	3
EC 308 Managerial Economics . . . . .	3
BA 406 Problems & Policies . . . . .	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 . . . . .	3
EC 322 Labor Relations . . . . .	3
EC 402 Money & Banking . . . . .	3

### Senior Year

FALL	HRS.
BA 301 Personnel Management . . . . .	3
EC 404 Intro. to International Economics . . . . .	3
EC 418 Public Finance . . . . .	3

SPRING	HRS.
BA 315 Financial Management . . . . .	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
CS 120 BASIC . . . . .	2
CS 130 Intro to Computers . . . . .	2

### 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 . . . . .	3
EC 402 Money & Banking . . . . .	3

### Senior Year

FALL	HRS.
EC 418 Public Finance . . . . .	3

SPRING	HRS.
EC 451 Seminar in Economics . . . . .	3

# CHEMISTRY

## Chemistry

*Professor Dixon, chairman; Associate Professor Lane.*

### THE JAMES ANDREW YATES DEPARTMENT OF CHEMISTRY

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, 306, 401, 402, Computer Science 120, 130, 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 303 is strongly recommended for pre-med students. Chemistry 401-402 is suggested 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 and the Winterim course in chemistry fulfill the requirement in chemistry for nursing students. Completion of Chemistry 101 and 102 or Chemistry 105 are optional ways to fulfill the requirements in chemistry for nursing.

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, a 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. A good background in algebra will be helpful in these courses. Chemistry 101, or the consent of the instructor, is a prerequisite 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. Prerequisites: a good background in chemistry and algebra, consent of the instructor. 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. 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.

# CHEMISTRY/COMMUNICATION

Prerequisites: Chemistry 101-102 with grades of B+ or better, Chemistry 105; Chemistry 206 is not a prerequisite, but it is desirable to have the Analytical course prior to the study of Organic Chemistry.

## **303. Biochemistry.** 4 cr. hrs.

An introductory course in biochemistry which includes a study of the occurrence, structure, function, and metabolism of biologically important molecules. Emphasis on molecular species such as carbohydrates, amino acids, lipids, proteins and nucleic acids. The course may be credited either as chemistry or biology, as the student elects. Chemistry 301-302 and Biology 151 are prerequisites. First semester, four 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. Completion of Chemistry 301-302 prior to enrollment desirable but not necessary. 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. Prerequisites: Chemistry 206, Math 200, Physics 111-112 or 213-214 and knowledge of a computer language. Math 201 and 202 are strongly recommended. First and second semester, three lecture-recitation periods and one 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 course of study stressing problem solving techniques in Organic Chemistry. Emphasis is placed on the identification of organic molecules via their physical and chemical properties. Reactions studied in Chemistry 301-302 form the basis for chemical analysis. Instrumental analysis will be an integral part of the identification process. First semester. Alternates annually with Chemistry 403. Prerequisites: Chemistry 301 and 302. 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 Willet; Associate Professor K. Harris; Assistant Professor Newton; Instructor Thompson; Assistant Instructor Swisher.*

# COMMUNICATION

**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 204, 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.

## 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
305 Technical Writing	2
402* Seminar	2
403i Public Relations	2
403j Organization	2
	<u>20</u>

<b>Psychology:</b>	
304 Social	4
411 Contemporary Issues in Psychology	2
	<u>6</u>

<b>Business:</b>	
201 Principles of Microeconomics	3
201 Organization & Management	3
301 Personnel Management	3
305 Marketing	3
	<u>12</u>

## Sociology:

Require either/or

332 Cultural Anthropology or	4
338 Race and Ethnic Relations	(4)
	<u>4</u>

Total hours 42

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

**Art** (204, 149b, 149g)

**Business** (211, 212, 231, 232)

**Mathematics** (216)

**Political Science** (303)

**Psychology** (214, 317, 319)

**Survey Research** (351)

## 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

**Humanities** Strongly Recommended

Philosophy 231

Communication 220

## 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.

## 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 204 to fulfill the requirement. This can be done with the permission of the department. 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. 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. Offered each 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. Second semester.

**231. Logic** 4 cr. hrs.  
See course description for Philosophy 231.

**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,

# COMMUNICATION

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.

**305. Technical Writing.** 2 cr. hrs.  
See course description for English 305.

**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. 1984-85.

**320. Technical Theatre.** 4 cr. hrs.  
Theory and practice in design and construction of stage scenery, and makeup. 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, 1984-85.

**322. Directing.** 4 cr. hrs.  
Designed to prepare future teachers, actors 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, alternating years, 1985-86.

**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, 1984-85.

**401. Communication Activities.**  $\frac{1}{2}$ -4 cr. hrs.  
Designed for special activities and independent study. Credit may be obtained in forensics, theatre, interpretation, radio, television, 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. Journalism.**

**401f. Teaching Assistantship.**

**401g. Television.**

**402. Senior Seminar.** 2 cr. hrs.  
Required of all senior communication and public relations majors as preparation for professional and graduate work. Prerequisite: Communication 204. Offered each 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.**

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. Prerequisite: Communication 211. Offered both semesters.

## **403j. Communication in Organization.**

Analysis of communication principles as they apply to communication networks within organizational structures. Explores the principles of effective communication as they apply to the flow of information within interactive networks of an organization. Prerequisites: junior or senior standing; Communication 100 or equivalent.

## **404. Communication/Public Relations Internship.**

1-4 cr. hrs.

This internship is intended to help the student make the transition from formal academic study to actual on-the-job situations. The intent is to match student career goals with an appropriate cooperating organization in order to provide increased learning opportunities for the student, who also benefits by being able to include the internship experience in credentials. Prerequisites: the student must have completed 20 hours in the major; for the public relations major the required 20 hours must include CM 211, EN 305, CM 403 and BA 305.

## **Education**

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

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:

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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.

Formal admission to the teacher education program should be accomplished by the end of the sophomore year. Later admission may result in a delay in completion of the program beyond the normal four years.

## Secondary and All-level Certification

**Programs.** A student planning to obtain all-level or secondary education certification should 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.

Formal admission to the teacher education program should be accomplished by the end of the sophomore year. Later admission may result in a delay in the completion of the program beyond the normal four years.

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.

## Formal Admission to Teacher Education Programs

Students who have filed a declaration of intent to seek teacher certification may 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 certification should 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.**

1/2 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. Offered on demand.

## **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

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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.

### **300. Teaching the Expressive Arts.**

4 cr. hrs.

An integrated course for the prospective elementary teacher in which the roles of art, creative dramatics, music and physical education in the elementary school curriculum are analyzed. Major goals of the course include (1) understanding the objectives and methods employed by the specialists in the respective areas, and (2) developing strategies for the integration of the expressive arts into the teaching of the regular classroom subjects. Second semester.

### **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 Education 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, first seven weeks.

### **311. Clinical/Field Experience for the Secondary Teacher.**

2 cr. hrs.

A course in which the teaching strategies and principles introduced in Education 310 are practiced in videotaped micro-lessons and in real classroom situations through on-

campus micro-teaching and off-campus field placements. (Formerly ED 221, 322 and 323.) Prerequisite: Education 310. First and second semesters, second seven weeks, and Winterim.

### **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 teach them, and with what materials. Prerequisites: Education 210, 211 and 205. First semester, first 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 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: Education 310 (or concurrent enrollment). Offered on demand.

### **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 Education 310. Offered on demand.

### **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, first 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.** 4 cr. hrs.

A practical course in methods of teaching various phases of secondary English. Some

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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. Offered on demand.

## **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.

## **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. Offered on demand.

## **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 eight 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 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: Education 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 Methods in the Secondary School.** 2 cr. hrs.

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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.

## **460. Methods, Teaching Physical Education.** 2 cr. hrs.

See course description for Physical Education 460.

## **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. First semester, 1983-84 only.

## **English**

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

### **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 advanced placement exams which rigorously demand demonstration of competency in composition. Successfully passing the exam will earn advanced placement in English 315 or 325 or in 305 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 255, 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 255, or the student may enroll for the course by its optional advanced study number, 355, and fulfill additional assignments befitting a 300-level course. In either case, the second Studies in Literature course the student takes must have a subject matter different from the first such course taken.

All English courses except 100, 110, 305 and 310 apply toward fulfillment of the humanities group requirements for graduation; two 255 courses or a 255 and a 355 course, if the subjects are different from each other, will apply toward that requirement. Freshmen may not enroll for 255 or 355 or above without specific permission to do so.

The English major: A minimum of 27 semester hours is required of each student; the maximum possible is 40 semester hours (neither limit includes English 100).

Courses taken for the major must include one of three linguistics and writing courses—235 (or 335), 315, and 325—must include four of six literature courses—365, 375, 385, 465, 475, and 485—and must include the two senior project courses—490 and 495; two of the literature courses must be survey courses—465, 475, and 485.

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 one's understanding of the total environment. Students are expected to fulfill the language requirements with three semesters of French, German, Greek, Latin, Japanese 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 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.

### **99. English for International Students** 2-4 cr. hrs.

Intensive study and practice in basic skills: reading, writing, listening and note-taking, for students whose native language is other than English. The course is intended to prepare international students for successful college-level work. The course will be offered each semester. Students will repeat as necessary, but no more than 4 hours will count as elective credit towards the 124 required for graduation. Prerequisite: Consent of instructor.

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

Freshman Composition 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.

**110. Intermediate Composition.** 2 cr. hrs.  
Extended composition available only to evening division students who have completed a basic composition course.

### **222, 322, 422. Individual Writing Project.** 1-4 cr. hrs.

Individual writing courses undertaken with the close sponsorship of an English teacher, beginning with a project proposal in specific terms. The numbers 322 and 422 are for the second and third such projects enrolled in by a student. English 100 and one of the advanced writing courses are prerequisite; at least one completed literature course is preferred. Enrollment is with permission only.

### **235. Introduction to the Study of Language.** 4 cr. hrs.

A study of the development of human language; language acquisition, structure and change; and language in human life. More advanced study for the sake of additional learning and/or for the fulfillment of teacher certification requirements is available to the student who takes this course with its optional higher number, 335 (for 5 cr. hrs.), and does the accompanying additional advanced assignments. It is intended for any student interested in the subject; it provides humanities credit for graduation. Prerequisite: English 100. Offered first semester.

**242, 342, 442. Individual Practicum Project.** 1-4 cr. hrs.  
Individual practicum projects undertaken with the close sponsorship of an English

# ENGLISH

teacher, beginning with a project proposal in specific terms. Examples of practica are proctoring a PSI composition course, field work in dialect study, tutoring students of English as a Second Language, service in the Writing Center; in each instance the practical work is combined with reflective study and with process analysis. The numbers 342 and 442 are for the second and third such projects undertaken by a student. Enrollment is with permission only. Prerequisite: English 100.

## **252, 352, 452. \*Individual Reading Project.** 1-4 cr. hrs.

Individual reading projects undertaken with the close sponsorship of an English teacher, beginning with a project proposal in specific terms. They are available for students who have desires to undertake substantial reading programs of worthy literary works. The numbers 352 and 452 are for the second and third reading projects enrolled in by a student. Enrollment is with permission only. Prerequisite: English 100; at least one completed literature course is also prerequisite.

## **255. \*Studies in Literature** 4 cr. hrs.

A literary study especially for non-English majors and for fulfilling the literature requirement for graduation. Various specified sections will be stipulated (examples: American Literature, Autobiography, Ethnic Literature, Introduction to Literature, Modern Poetry, Sex Roles in Literature). A student may take more than one semester of 255, or enroll in the same course at number 355 and fulfill additional assignments befitting a 300-level course; if the student takes a second semester of this course, either as 255 or 355, the student must choose a subject matter different from the first section taken. Prerequisite: English 100. Multiple sections are offered every semester.

## **305. 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. Prerequisite: English 100 and junior or senior standing. Offered every semester.

## **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. Prerequisite: English 100 and junior or senior standing. Offered every semester.

## **315. Creative Writing.** 4 cr. hrs.

A development of the techniques and practices of writing short stories and/or poetry through intense experimentation and small-group criticism and exchange. Limited enrollment. At least one completed literature course is recommended prior to enrollment. Prerequisite: English 100. Offered odd years first semester, every second semester.

## **325. 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. Limited enrollment. At least one completed literature course is recommended prior to enrollment. Prerequisite: English 100. Offered first semester.

## **335. Introduction to the Study of Language (Advanced).** 5 cr. hrs.

Identical to, and offered concurrently with English 235, but designed for the student who seeks to learn additionally about the function of language. It includes a major research/field-work project. Fulfills humanities graduation and language arts teacher certification requirements. Prerequisite: English 100. Offered first semester.

## **355. \*Studies in Literature (Advanced).** 4 cr. hrs.

Identical to, and offered concurrently with each section of English 255, but designed to

## ENGLISH/FOUNDATIONS

offer additional learning befitting a 300-level course. Prerequisite: English 100. Offered every semester.

### **365. \*The Form of Fiction.** 4 cr. hrs.

An exploration of the possibilities of literary expression in short story, short novel and novel form, with attention to techniques and features specific to fiction. It fulfills the literature requirement for graduation. Prerequisite: English 100. Offered first semester.

### **375. \*Third World Literature.** 4 cr. hrs.

In keeping with William Jewell's emphasis on international learning and as an opportunity to learn about another culture and sensibility, this course features literary works from a developing region or continent. An example is African Literature. It fulfills the literature requirement for graduation. Prerequisite: English 100. Offered second semester.

### **385. \*Shakespeare.** 4 cr. hrs.

A study of major sonnets, comedies, tragedies, and histories by William Shakespeare. Attention will be given to the author's life, the historical and intellectual background of the period, and critical studies of the works. It fulfills the literature requirement for graduation. Prerequisite: English 100. Offered second semester.

### **465. \*English Literature Survey I.**

4 cr. hrs.

A study of major writers working from the middle ages through the 18th century in England. Prerequisite: English 100 and completion of four hours of literature. Offered alternate years, first semester, 1984.

### **475. \*English Literature Survey II.**

4 cr. hrs.

A study of major writers, except Victorian novelists, of the Romantic, Victorian and Modern periods in England. Prerequisite: English 100 and completion of four hours of literature. Offered alternate years, first semester, 1983.

### **485. \*U.S. Literature Survey.** 4 cr. hrs.

A study of major writers in U.S. literary

history from 1800 and including major U.S. ethnic literature and a unit of adolescent literature. Prerequisite: English 100 and completion of four hours of literature. Offered second semester.

### **490. \*Senior Project I.**

1 cr. hr.

A final project conducted partially independently and partially in conjunction with a seminar in which the senior English major demonstrates his capabilities and maturity in literary study. Prerequisites: fully declared status as an English major and completion of at least eight hours of literature study. Offered first semester.

### **495. \*Senior Project II.**

1 cr. hr.

A final project conducted partially independently and partially in conjunction with a seminar in which the senior English major demonstrates capabilities and maturity in literary study. Prerequisites: English 490 and completion of at least twelve hours of literature study. Offered second semester.

## 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. Prerequisite: English 100. Offered first semester.

## Foundations

*Dean 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**

# FOUNDATIONS

**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 60 students are admitted into Program II each fall. Entering freshmen, sophomore transfers, and second semester freshmen who wish to begin the program in the fall of the sophomore year may make application to the Program Coordinator.

**Withdrawal from the Program.**

A Foundations student who decides that Program I would better serve personal 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 present-day issues 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 participation 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;

or choosing among values; study of basic scientific principles related to understanding of the issues; scientific method applied in the laboratory. Fall semesters. (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.

Study of the Old Testament, Greek, New Testament, Renaissance/Reformation, and 19th-Century worlds, with emphasis on decisions and values involved in changing views of the good life. Analysis of some of the great books of Western Civilization. Spring semesters. (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. Fall semesters. (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.

Synthesizing course for the program. Combines units on values theory and clarification and Christian ethics with decisions which science and technology present to individuals and to society.

*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.* Spring semesters. (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 12 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 six 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 docents in Foundations 100. Fall semesters. 2 credit hours.

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

# HISTORY

## 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 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. Each 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.**

4 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. This course may be altered in content and teaching method. Alternate years. First semester, 1985.

### **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. First semester, 1984, 1986.

## **301-302. United States**

### **Diplomatic History.** 4 crs. 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. First semester, 1985.

## **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, 1986.

## **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. Alternate years. Second semester, 1985.

## **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, 1985.

## **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. Alternate years. First semester, 1985.

## **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 17th century state, absolutism, enlightened despotism, mercantilism, the Enlightenment, the scientific revolution and international relations. Alternate years. Second semester, 1986.

## **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. Alternate years. Second semester, 1985.

## **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, 1985.

## **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, 1986.

## **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, 1986.

## **325. History of the Baptists.**

2 cr. hrs.

See course description for Religion 325.

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

# HISTORY/LANGUAGES

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, 440. Independent Study.**

1-8 hrs.

**250, 350, 450. Independent Study.**

**Group project.** 1-8 hrs.

## **President's Independent Study Seminars**

**250. The President's Honors Seminar for Freshmen** 1 cr. hr.

An exploration of what makes up a liberal arts education. Discussions of each student's goals for making a difference in our world and immediate goals for a college education. Application of great ideas from Western thought to contemporary life situations. Enrollment by invitation or approval. Fall semester.

**450. The President's Honors Seminar for Seniors.** 1 cr. hr.

Exploration of how a liberal arts education applies to the world of work and responsibility in society. Examination of social values held by students and of how the knowledge and skills learned in the various major areas of study can be used responsibly in the world at large. Prerequisite: last semester standing or consent of instructor. Enrollment by invitation or approval. Spring semester.

## **Languages**

*Assistant Professor A. Vera, chairman;  
Assistant Professors Griffith, C. Vera,  
Walker; Instructor Koenig.*

## **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 24 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 at least 24 semester hours in literature or culture courses numbered 300 or above.

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 24 credit hours of work in the language chosen. The curriculum consists of 16 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.

The student will pay a \$10 fee for certification expenses.

**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: 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

# LANGUAGES

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. Classes meet five  
days a week. 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.  
Classes meet five days a week.  
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

in conversation, composition, and reading.  
Students will have one class session four  
days a week on a 4-day week schedule and a  
two hour drill session in one of the three  
blocks, C, G or J. 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 one class session four  
days a week on a 4-day week schedule and a  
two hour drill session in one of the three  
blocks, C, G or J. 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 to \$150 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 to \$150 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 to \$150 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

## LANGUAGES/MATH.—COMP. STUDIES

chairman of the department of languages. There is a \$50 to \$150 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 to \$150 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 the department of languages. There is a \$50 to \$150 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 to \$150 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 to \$150 examination fee for this course.

### 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 and Computer Studies

*Professor Thoman, chairman; Associate Professor Mathis; Assistant Professors Pitts, Sherrick.*

## MATHEMATICS

### B.A. in Mathematics

Major: 32 semester hours including Mathematics 199, 200, 201, 281, and 3 courses whose numbers are 300 or above.

### B.S. in Mathematics with Data Processing Emphasis

Major: Mathematics 199, 200, 201, 281, 305, one upper level elective in mathematics; Computer Studies 122, 130, 215 plus two Computer Studies electives; Accounting 211, 221; Business Administration 201, 301.

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 numbers system, including topics of geometry and algebraic extensions. Prerequisite: fewer than three units of high school mathematics; or elementary education majors. 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. Each semester.

### 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. Alternate years.

### 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. 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. Alternate years.

### 301. College Geometry. 3 cr. hrs.

A study of Euclidian Geometry, finite geometries, and non-Euclidian geometries. Prerequisites: junior standing or consent of instructor. Second semester, alternate years.

### 305. Introduction to Probability and Mathematical Statistics. 4 cr. hrs.

An introduction to probability spaces,

# MATH.—COMP. STUDIES

distribution and estimation theory with emphasis on model building. Prerequisite: MA 201. Second semester, alternate years.

## **335. Numerical Analysis.** 4 cr. hrs.

A study and analysis of the numerical methods of solving algebraic and transcendental equations, ordinary and partial differential equations in integration and other mathematically expressed problems. Prerequisite: MA 200 and MA 125. Second semester, alternate years.

## **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. First semester, alternate years.

## **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, alternate years.

## **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. Offered on demand.

## **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.

## COMPUTER STUDIES

### **B.A. in Computer Science**

Major: CS 122, 130, 225, 320, 335, 406

plus one computer studies elective;  
MA 199, 200, 201, 281.

### **B.S. in Systems and Data Processing**

Major: CS 120, 130, 215, 235, 265, 320, 325; AC 211, 221; MA 216 or BA 318; BA 201, 326 plus one elective from BA 301, 305, 315 or EC 308.

## **120. BASIC.**

2 cr. hrs.

Elements of BASIC to enable the computer user to write and solve beginning to intermediate computer programs. Each semester, first seven weeks.

## **122. Pascal.**

2 cr. hrs.

Introduction to the principles of structured programming using the elements of Pascal. Includes introduction to data structures. Prerequisite: CS 120 or equivalent. Each semester, first seven weeks.

## **130. Introduction to Computers.**

2 cr. hrs.

An overview of computer information systems. Introduces computer hardware, software, procedures, systems and resources needed to function in a computer-oriented society. Each semester, second seven weeks.

## **215. COBOL—Programming and Applications.**

4 cr. hrs.

Introduction to the application of computing in business using COBOL and a structured approach to programming. Prerequisite: CS 120 or 122 recommended but not required. 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: CS 120 or 122 or equivalent. First semester, alternate years.

**235. Systems Analysis and Design.**

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: CS 215. First semester.

**265. Business/Financial Information Systems.**

4 cr. hrs.

Data processing characteristics of the financial and business systems automated by most commercial and manufacturing firms. Emphasis on the interaction and relations of the systems to one another and on the importance of system controls.

Prerequisites: CS 130 and AC 211.

Second semester.

**320. Data Structures.**

4 cr. hrs.

The models used to represent data-objects in memory including sets, lists, arrays, strings, linked lists, graphs, trees. Also, methods of manipulating the structures: searching, sorting, hash coding, pointers. Prerequisite: CS 122 or CS 215. First semester.

**325. File Management/Data Base Systems.**

4 cr. hrs.

Survey of the design and capabilities of data base and data management systems. Experience techniques of data organization in a data base environment employing the query language of a typical data base management system. Prerequisite: CS 215. Second semester, alternate years.

**335. Numerical Methods.**

4 cr. hrs.

See course description for Mathematics 335.

**406A & B. Micro-Computer Architecture and Interfacing.**

2-4 cr. hrs.

See course description for Physics 406.

**490. Independent Study.**

1-4 cr. hrs.

Approved on- or off-campus projects in independent reading and research by majors in computer science or systems and data processing.

## Music

*Professor D. Brown, chairman; Professors Epley, Posey, Riddle, Wilder; Associate Professor Emig; Assistant Professors Permenter, Robinson, Rogers, Schaefer; Instructors H. Brown, Witzke.*

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, 4 hours of counterpoint/analysis, and 18 hours of applied study (including keyboard) 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.

# MUSIC

The music major can also be combined with other majors such as business, chemistry, communication, English, math, religion and so on. Sometimes these established programs do not meet the academic or vocational needs of a particular student. In these cases, the college provides an opportunity for the student to design an individual major program of study. Further information is available upon request.

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 various combinations of these instruments. Prerequisite: Music 201 or permission of instructor. First 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.** 2 to 4 cr. hrs.

May be offered as a specialized course in the literature of a specific area, e.g., Choral Literature, Vocal Literature, Piano Literature, Symphonic Literature, Chamber Music. Prerequisite: permission of instructor. Offered on demand.

## 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 second digit indicates the number of credit hours. The first digit indicates the year of applied study. The last digit indicates the semester within that applied study year. The instrument will be indicated on the course cards, and will be entered on the transcript.

Brass	Piano
Classical Guitar	Strings
Harpsichord	Voice
Organ	Woodwinds
Percussion	

## 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).

# MUSIC

## **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. Offered on demand.

### **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, tone, placement, resonance, and voice classification. Practical application through observation and supervised teaching. First 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.

An 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, 1986. Alternate years with Church Music 343. (Also listed as Religion 344.)

### **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.

## PERFORMING ORGANIZATIONS

Non-music majors may use up to eight hours of ensemble credit as elective hours toward graduation. Ensemble course numbers are determined by the semester of participation rather than the class standing of the students.

### **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.

### **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.

### **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, guitar, 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.

## PROFESSIONAL COURSES

### **370. Independent Study.**

1-4 cr. hrs.

# MUSIC/NURSING

## **372. Organ Pedagogy.** 2 cr. hrs.

Survey of organ method books. Practical application through observation and supervised teaching. Second semester (odd years).

## **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. First semester.

## **376. Piano Accompanying.** 1 cr. hr.

Piano accompanying techniques for basic vocal and instrumental solos. Representative works from contrasting periods of music.

## **377. Piano Pedagogy: Teaching Beginning Students.** 2 cr. hrs.

Study of principles of teaching for individual and class instruction for the beginning student. Survey of methods and materials. Practical application through observation and supervised teaching. First semester, 1985.

## **378. Piano Pedagogy: Teaching Intermediate Students.** 2 cr. hrs.

Study of principles of teaching the intermediate student. Survey of methods, materials and literature. Practical application through observation and supervised teaching. First semester 1984.

## **379. Guitar Pedagogy.** 1-2 cr. hrs.

A study of principles of teaching class and private guitar. Analysis of current methods, repertoire and historical survey. Practical application through observation and supervised teaching. Prerequisites: Guitar Class 135(6) or instructor's consent.

# Nursing

*Associate Professor Johnson, acting chairman; Associate Professors Edwards, Vincent; Assistant Professors Edison, Kersten, Massa, Mustapha, Permenter, Sullivan; Instructors Godfrey, Lane.*

The nursing program at William Jewell College is a carefully designed program of professional studies in nursing (49 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 (refer to the State of Missouri Nursing Practice Act, 335.000). The department is also accredited by the National League for Nursing.

The program is based on a philosophy of nursing as a combination of scientific competence and sensitivity to human needs, with an emphasis on total health. The faculty emphasizes the responsibility and accountability of the individual learner, the blending of academic and practical knowledge, and the highest degree of professional ethics. A full statement of the philosophy and conceptual framework of the nursing program at William Jewell College is available from the departmental offices.

## ADMISSION

Students are admitted twice each year. A minimum cumulative grade point average of 2.50 with a minimum of C on all science courses 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 and Winterim Chemistry  
Philosophy 202  
Biology 238  
Biology 221  
Psychology 306

In addition, the following courses must have been completed as prerequisites, or must be taken concurrently with Nursing 250:

Biology 307  
Biology 239  
Education 205

**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 and Winterim Chemistry  
Psychology 306  
Biology 221  
\*Education 205  
\*Philosophy 202

\*Education 205 or Philosophy 202 may be taken concurrently with Nursing 250.

**Registered Nurse Admission:** 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.

**Transfer Student Admission:** A 2.0 cumulative grade point average is needed to transfer into William Jewell College from another institution. However, all nursing students must have a 2.50 GPA and a minimum of a C on all science courses prior to acceptance into the nursing program. Transfer students may enter N250 in the spring or summer semesters. Nursing courses do not usually transfer among nursing programs.

**Spring Admission:** To have an application considered for spring admission, the completed application must be filed with the department by Nov. 1. The applicant must have completed all prerequisites and have a cumulative grade point average of 2.50 with a minimum of C in all science courses.

**Summer Admission:** To have an application considered for summer admission, the completed application must be filed with the department by April 1. The applicant must have completed all prerequisites and have a cumulative grade point average of 2.50 with a minimum of C in all science courses.

**Applications:** The faculty will act only upon completed applications which include:

1. Department of nursing application form.
2. High school transcripts.
3. Official transcripts from each college attended.
4. Verification of current professional licensure (R.N. applicants only).

It is the student's responsibility to ascertain that the application is complete.

**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, nursing process, developmental theory, health, professionalism and research. Also included are beginning nursing skills

# NURSING/PHILOSOPHY

necessary to provide nursing care. Laboratory and clinical experience assist the student in applying basic nursing and assessment skills. An average of 4 hours lecture and 3 hours clinical practice/laboratory per week. Prerequisite: see admission criteria; one semester at Jewell prior to enrollment in N250.

## **330. Nursing Process I.** 8 cr. hrs.

The course is the first in the nursing curriculum with a major clinical component. The focus is on applying nursing process in the wellness 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-weeks experience in two major clinical areas. These areas are obstetrical and pediatric nursing with community experience being an integrated component. Four lecture hours and 12 clinical hours per week. Prerequisite: Nursing 250. Corequisite: Nursing 340.

## **340. Human Pathophysiology.** 4 cr. hrs.

A study of human pathophysiological processes and responses. Physical assessment theory and laboratory practice are included. Prerequisite: Biology 238, 239; Nursing 250.

## **350. Nursing Process II.** 8 cr. hrs.

Designed to build upon the basic skills and theories taught in Nursing 330. The focus is on applying nursing process in the health management of adult individuals and families. Emphasis is placed on assessment of illness and wellness components of the health continuum utilizing a holistic framework. The clinical component consists of experience in medical-surgical nursing. Four hours of lecture and 12 hours of clinical practicum and practice laboratory per week. Prerequisite: Nursing 250, 330, 340.

## **420. Nursing Research.** 2 cr. hrs.

Introduction to basic research methodology, its application to nursing, and discussion of nursing theories. Prerequisite: MA 216; Nursing 250, 330, 340, 350.

## **422. Special Topics in Nursing.** 2 cr. hrs.

This course is designed to provide a creative and elective learning experience for the senior nursing student. Students choose from areas of interest offered by the nursing faculty. Focus will be on student presentations and discussions of selected topics in the area of interest. Prerequisite: Nursing 250, 330, 340, 350.

## **425. Nursing Issues.** 2 cr. hrs.

Discussion of current and future issues in nursing. Emphasis on student presentations. Prerequisite: Nursing 250, 330, 340, 350, 420, 432, 434.

## **432. Nursing Process III.** 4 cr. hrs.

Emphasizes nursing care of clients with dysfunctional behavior. The focus is on applying the nursing process in assisting clients to achieve the maximum level of mental health. Four hours of lecture per week and 12 hours of clinical experience for seven weeks in a psych/mental health setting. Prerequisite: Nursing 250, 330, 340, 350; Psychology 303.

## **434. Nursing Practice Elective.** 4 cr. hrs.

A required nursing elective. Students will elect an area of particular interest in which more in-depth knowledge and experience are desired. Eighty-four hours of clinical experience in the area of choice or a combination of clinical and theory time. Prerequisite: Nursing 250, 330, 340, 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. Four lecture hours per week. Sixteen hours of clinical practicum and one to two hours of clinical conference per week. Prerequisite: Nursing 250, 330, 340, 350, 420, 422, 432, 434.

## **260, 360, 460. Independent Study in Nursing.**

1-6 cr. hrs.

## The Oxbridge Alternative

*Dean Shannon, Senior Tutor*

Oxbridge Alternative tutorial majors are offered in English Language and Literature, History, Institutions and Policy (an interdisciplinary major involving philosophy, politics, and economics), Music, Religious Studies, and Science (an interdisciplinary major emphasizing molecular biology).

Members of many departments of the college serve as tutors. The seminar and tutorials are open only to students formally admitted to the program.

For complete information, please consult **The Oxbridge Alternative Handbook**.

**100. Introductory Seminar.** 4 cr. hrs.  
An introduction to the research methods, analysis of primary and secondary sources, and writing skills which will be used in tutorials. Subject matter may sometimes vary, but students will always engage in extensive reading, writing, and discussion. Each student will present papers before the group. **Prerequisite: acceptance for one of the Oxbridge Alternative tutorial majors.** Successful completion of the seminar is prerequisite to any tutorials.

## Philosophy

*Professor Trotter, chairman; Professor David.*

THE W.D. JOHNSON DEPARTMENT  
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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. It 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. 1986 next offering.

**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, and an application of them to such contemporary issues as abortion, euthanasia, sexual morality, discrimination against minorities, the death penalty, world hunger and environmental ethics. 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.

# PHILOSOPHY/PHYSICAL EDUCATION

## **301-302. Seminar.**

4 cr. hrs.

An intensive reading and discussion of problems, thinkers, and movements in philosophy. Two seminars are offered each semester. 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 History of Philosophy and Philosophy of Religion.

## **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. 100 is required of all students and should be taken during the first year in residence. 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 activity 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 and show efficiency in an aerobic activity before receiving credit for this course. An incomplete will be given until these requirements are completed.

## **ELEMENTARY ACTIVITY OFFERINGS**

Beginning classes meet twice a week for seven weeks for ½ hr. credit. Courses offered as student demand and faculty availability allow.

## **101. Aerial Tennis.\***

½ cr. hr.

## **102. Aerobics.**

½ cr. hr.

# PHYSICAL EDUCATION

103. Angling.	½ cr. hr.
104. Archery.	½ cr. hr.
105. Badminton.	½ cr. hr.
107. Bowling.	½ cr. hr.
109. Fencing.	½ cr. hr.
110. Golf.	½ cr. hr.
111. Gymnastics.	½ cr. hr.
112. Racquetball.	½ cr. hr.
113. Handball.	½ cr. hr.
114. Judo.*	½ cr. hr.
115. Karate.*	½ cr. hr.
116. I Ballet.	½ cr. hr.
116A. Intermediate Ballet.	½ cr. hr.
117. II Interpretative.	½ cr. hr.
118. III International Folk.	½ cr. hr.
118A. Ethnic Folk	½ cr. hr.
119. IV Square.	½ cr. hr.
120. V Tap.	½ cr. hr.
122. Yoga.*	½ cr. hr.
123. Sailing.	½ cr. hr.
125. Slimnastics.	½ cr. hr.
126. Swimming.	½ cr. hr.
128. Tennis.*	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. Horsemanship.*	½ cr. hr.
135. Recreational Horsemanship.*	½ cr. hr.
136. Jogging.	½ cr. hr.
137. Recreational Sports.	½ cr. hr.
138. Rhythmic Aerobics.*	½ cr. hr.
138A. Aerobic Swimming.	½ cr. hr.
140. Special Activities.*	½ cr. hr.

Includes but not limited to Ice Skating, Roller Skating, Tent Camping-Backpacking as student demand and faculty availability allow course to be offered.

\*Fee Courses.

## ADVANCED ACTIVITY OFFERING

Classes meet four times a week for seven weeks for one hour credit. Courses offered as student demand and faculty availability allow.

201. Baseball-Softball.	1 cr. hr.
202. Basketball.	1 cr. hr.
205. Football.	1 cr. hr.
206. Advanced Tennis.*	1 cr. hr.
207. Advanced Gymnastics.	1 cr. hr.
208. Soccer.	1 cr. hr.
209. Advanced Swimming.	1 cr. hr.
211. Track and Field-Cross Country.	1 cr. hr.
212. Volleyball.	1 cr. hr.
213. Wrestling.	1 cr. hr.
214. Advanced Golf.	1 cr. hr.
215. Scuba Diving.*	1 cr. hr.

\*Fee Courses.

## 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 to 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 team sports, plus officiating in the intramural games. First and second semester.

**250. Health Science.** 2 cr. hrs.  
The fundamental laws of health and the health relations of the individual to the community. Second semester.

# PHYSICAL EDUCATION

## **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 American Red Cross Office.

## **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 swimming strokes, as well as instruction for certification in American Red Cross life saving and water safety. Prerequisites: 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.

Methods, techniques and activities to aid in teaching physical education in the elementary schools. Emphasis is given to

actual teaching experiences. Open to teachers or prospective teachers of elementary schools, or those interested in the physical education program for children. Sophomore level. Second semester.

## **380. History and Philosophy of Health, Physical Education and Recreation.** 2 cr. hrs.

An historical and philosophical examination and background of physical education and its role in education from the Greeks to the present. First semester.

## **384. Tests and Measurements in Physical Education.** 2 cr. hrs.

A survey of knowledge tests, skill tests, fitness tests and other evaluative 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.

## **394. Analysis of Rhythmic Movement.** 1 cr. hr.

Techniques of rhythmic movement; i.e., international folk, ethnic folk, square, ballet. Must be taken concurrently with Ballet 116 and Ethnic Folk 118A or with Square 119 and International Folk 118. Required for K-12 certification. Sophomore level. First and second semesters.

## **395. Analysis of Coaching Football.** 2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching varsity football. Sophomore level. First semester.

# PHYSICAL EDUCATION/PHYSICS

## **396. Analysis of Coaching Basketball.**

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching varsity basketball. Sophomore level. Second semester.

## **397. Analysis of Coaching Baseball and Softball.**

2 cr. hrs.

Techniques of motivation, conditioning, and strategy of coaching varsity baseball and softball. Sophomore level. Second semester.

## **398. Analysis of Coaching Track and Field.**

2 cr. hrs.

Technique of motivation, conditioning, and strategy of coaching varsity track and field. Sophomore level. Second semester.

## **399. Analysis of Coaching Volleyball.**

2 cr. hrs.

Technique of motivation, conditioning, and strategy of coaching varsity volleyball. Prerequisite: PE 212 or instructor's approval. Sophomore level. First semester.

## **400. Organization and Administration of Health, 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 interschool relations. Junior level. Second semester.

## **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. Seniors only. First seven weeks. First and second semester.

## **402. Independent Study in Physical Education.**

1-6 cr. hrs.

May be repeated. Designed for special activities and independent study. Activities and requirements must be planned in advance with the chairman of the department.

## **402A. Equipment and Facilities in Recreation.**

2 cr. hrs.

## **402B. Research in Recreation.**

2-4 cr. hrs.

## **402C. Field Experience in Recreation.**

1-4 cr. hrs.

## **402D. Internship in Recreation.**

6 cr. hrs.

## **Physics and Astronomy**

*Professor Geilker, chairman; Professor 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 306 and either 316 or 322.

Students completing a second major in physics must complete the general education requirements for the bachelor of arts degree.

All students intending a major in physics should ascertain from the department certain additional requirements, such as a comprehensive examination and/or taking the Graduate Record Examination.

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.

# PHYSICS

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. Cosomology.** 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. 1986 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 406, Microcomputers. Prerequisite: consent of instructor. First 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. Second semester. Taught in even-numbered years.

**317. Atomic and Nuclear Physics Laboratory.** 1 or 2 cr. hrs.  
To follow or accompany Physics 316. First 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. First semester. Taught in odd-numbered years.

**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. May not be commenced by second-semester seniors. Available each semester.

**406. Microcomputers: Architecture and Interfacing.** 4 cr. hrs.  
Provides an introduction to the electronics hardware of microcomputers. The microcomputer will be considered as a system and also its functional blocks (CPU, memory, control, and input/output) examined individually. There will be some laboratory work in interfacing. Students not requiring the interfacing may enroll for the architecture component only (2 cr. hrs., first seven weeks). Prerequisite: Physics 306. Second 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. Taught in even-numbered years.

**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

# PHYSICS/POLITICAL SCIENCE

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 five of the six categories besides introductory courses and seminars.

PS 101, Principles of Government and Politics, or PS 102, American National Government, is normally required of all majors. 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: Business Administration 301; Economics 418; Sociology 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) one or both introductory courses; (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 Business Administration 301 or Sociology 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.

Double majors in political science and public administration may be allowed with the approval of the 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.

## POLITICAL SCIENCE

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: Soviet Civilization; 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 campuses abroad will often be suitable for this major, at the discretion of the International Relations Program Committee.

### INTRODUCTORY COURSES

#### **101. Principles of Government and Politics.** 4 cr. hrs.

A. Introduction to government and politics (first seven weeks, 2 cr. hrs.). Examines the nature of politics; considers such terms as Liberty, Equality, Justice; emphasizes today's "isms" such as liberalism, conservatism, Communism, socialism, fascism.

B. American governmental institutions and political practices (second seven weeks, 2 cr. hrs.). Examines American governmental institutions and political practices and compares them with other countries, promoting an understanding of the government of the United States in its global setting.

#### **102. 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.

### AMERICAN POLITICS

#### **200A. 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.

#### **200B. 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.

#### **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

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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 second semester, odd 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. History of Political Thought.

4 cr. hrs.

A. Ancient and Medieval Political Thought (first seven weeks, 2 cr. hrs.). Plato, Aristotle, St. Augustine, Thomas Aquinas, Machiavelli. Issues and ideas considered include justice, ruling as an art, the forms of state, authority.

B. Modern Political Thought (last seven weeks, 2 cr. hrs.). Hobbes, Locke, Montesquieu, Rousseau, Bentham, Mill, Spencer, Marx. Issues and ideas considered include power, the social contract, individual liberty, 19th century liberalism, the development of popular democracy, socialism, communism, fascism, the welfare state. 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: 102. 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: Soviet Civilization.

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

# POLITICAL SCIENCE/PSYCHOLOGY

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 first 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 rendered by government to the people. Offered second semester, even 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 second semester, odd 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 first semester, even 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 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 Troutwine, chairman;  
Instructors Owens, Carroll.*

# PSYCHOLOGY

The psychology department offers a wide variety of traditional psychology courses. The curriculum spans the ancient philosophical origins of psychology to classical theories to modern day applications.

The primary mission of this curriculum is to enhance the students' knowledge of the understanding, prediction and control of man's behavior. Individual courses are structured so that each relates its unique material to this mission.

Introductory courses lay the groundwork for an understanding and overview of psychology's major areas. Higher numbered courses typically delve into one or two key areas introduced in the entry course. The Senior Seminar, a capstone course, returns to a unified and integrated perspective.

A significant number of the majors continue their education in graduate school, working for a master's or doctorate. To this end, the department strives to prepare majors for the rigors of graduate study.

The psychology curriculum strives to balance theoretical and practical dimensions by providing the opportunity for Winterim field experiences. Several "elective tracks" are also suggested as a guide for the student in 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 the 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

### 97. Psychology of Study Skills. 1 cr. hr.

A learning skills program designed for the improvement of reading and classroom learning.

### 98. 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.

### 99. Career Explorations. 1 cr. hr.

A course for freshmen and sophomores designed to build confidence, insight and skills in career decision-making. The course incorporates a high degree of self-assessment. Career Explorations also exposes students to the world of work and methods for career research.

### 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. Prerequisites 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. (Junior and below.) 1-4 cr. hrs.

### 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

# PSYCHOLOGY

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.

**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 experimental apparatus in the department's workshop. Special prerequisite: 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; Assistant Professors Chance, Duke; Instructor Cain.*

### **The W.D. JOHNSON DEPARTMENT OF RELIGION**

One of the following numbered courses will fulfill the college requirement in religion: 115, 211, 212, 213. Courses numbered 211 and 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 second major, one must complete all general education requirements for the BA degree.

### **Church-Related Vocations Practicum.**

The religion department at William Jewell offers a vocational training program through the H.I. Hester Center for Christian

Ministry for those students who have committed their lives to a church-related vocation. All students are invited to take the CRV courses (numbered 201-205), realizing that these courses do not count toward the major in religion but do count toward general electives to fulfill graduation from the college.

Students who receive the CRV scholarship of \$1800 are expected to maintain the following requirements:

1. Maintain a 2.00 overall grade point average.
2. Take one course each year from the department of religion (excluding 201-205j).
3. Successfully complete RE 201 by the end of sophomore year.
4. Successfully complete any two church-related vocation electives (in addition to RE 201).
5. Music majors may substitute courses with the approval of the music faculty and the director of the H.I. Hester Center for Christian Ministry.
6. Participate in one of the following William Jewell College organizations: Christian Student Ministries, Theta Kappa Epsilon, or Church Music Conference.
7. Participate in the monthly CRV meetings and revival teams.

### **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 each semester.

### **201. Introduction to Christian Ministry.** 2 cr. hrs.

The course is to provide guidance and understanding of the scope, opportunities and skills needed for effective Christian ministry. The will of God, the minister's calling and personal strengths will be

# RELIGION

considered in this course. Elective credit only. Prerequisites: beginning religion course.

## **203. Ministry Internship.** 1 per semester, 2 per year cr. hrs.

This course is designed to give students practical experience in church-related vocations plus provide support and encouragement for students in these ministry settings. The course must be taken for two consecutive semesters and may be repeated for a second year. One credit hour is provided each semester though credit will not be affixed to transcript until two consecutive semesters are finished. Elective credit only. Prerequisites are six hours in religion.

## **205. Issues in Ministry.** 2 cr. hrs.

This course is designed to acquaint students with issues and skills related to ministry in the contemporary church. These issues will be studied from both a practical and theoretical viewpoint.

205A: World Missions. A study of the theology and practice in the Christian world mission with emphasis on the success and failures of the Christian missionary when confronting various world cultures and religions. Elective credit only.

205B: Missions in the U.S. A study of missions in the U.S. with special emphasis on the work of the Home Mission Board and the Southern Baptist Convention. Elective credit only.

205C: Evangelism. A study of the nature and practice of evangelism with attention given to the biblical, theological and historical roots of evangelism. Elective credit only.

205D: Women in Ministry. A study of the biblical and contemporary viewpoints concerning the role of women in the church. Elective credit only.

205E: Bivocational Ministries. A study of the problems and opportunities unique to the minister who carries professional responsibilities outside his parish program. Elective credit only.

205F: Church Administration. A study of the management principles, styles, and the minister's leadership roles in organizing the church for effective ministry. Elective credit only.

205G: Pastoral Care. A study of the foundations and dynamics of pastoral care in the personal and corporate crises faced by individual members of society. Elective credit only.

205H: Education and Youth Ministries. A study of the educational tasks and patterns of organization in contemporary churches with special emphasis on the religious thinking and development theories for youth leaders. Elective credit only.

205J: Preaching and Worship Leadership. Since worship and proclamation are hallmarks of the Christian faith, this course is provided to acquaint students with the skills necessary for effective leadership in these areas. Public prayer, scripture reading, devotions and sermons will be covered. Organizing and implementing worship experiences will be highlighted with opportunities provided for practical implementations of skills learned. Elective credit only. Prerequisites: beginning religion course and Communication 100.

## **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 the moral perspectives represented in the Bible with attention to that which unifies the biblical traditions. Several significant ethical issues are examined in light of the biblical heritage. Offered each semester.

**303. Christian Belief and Theological Reflection.** 4 cr. hrs.  
Introduction to Christian doctrine, the variety of interpretations given to these doctrines, and the methods and vocabulary of Christian theology. Emphasis is given to the practical meaning of Christian doctrine for Christianity in the late 20th century. First semester, 1985.

**305. Exegesis in the New Testament.** 4 cr. hrs.  
An in-depth study and interpretation of a selected Gospel or Pauline epistle based on the English text. Particular attention will be paid to the insights the documents give us for understanding the historical and social setting of primitive Christianity, as well as the theological concerns of the primitive Christians as they reflected on the biblical text. Prerequisite: 4 hrs. in biblical studies.

**307. Christianity and Contemporary Issues.** 4 cr. hrs.  
An in-depth study of a few current ethical and theological issues facing Christianity. Recent offerings have included Jewish-Christian dialogue, the women's movement and the Church, nuclear arms race, ecological problems, religious language,

Christianity and political revolutions, and death and dying.

**325. History of the Baptists.** 2 cr. hrs.  
A study of Baptist history noting particularly their development in England and America. Doctrine, polity, organization and denominational crises will be studied. Prerequisite: English 100. Recommended that the student already have taken either a beginning history course (101 or 102) or a beginning religion course (100-200 level).

**330. Classic Christian Thought.** 4 cr. hrs.  
A study of the classics of Christian thought which have influenced the growth and development of Christian theology. Reading in primary source material is emphasized.

**335. American Christianity.** 4 cr. hrs.  
The story of America's developing religious situation. Offers an overview of how the various denominations began in this country with their development. An emphasis will be placed on the Baptist denomination in America.

**336. Religious Revolution and Change in Christian History.** 4 cr. hrs.  
A study of Christian history from apostolic times to 451 A.D. Major consideration will be given to writings of Augustine.

**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 valid for a Christian? Is the charismatic movement a revival of historical mysticism? Answers will be sought through the study of mysticism in history.

**344. The Church and Its Hymnody.** 4 cr. hrs.  
See course description for Music 344.

# RELIGION/SOCIOLOGY

## **451. The Religions of the World.** 4 cr. hrs.

A survey of the major religions of the world, past and present. In addition to examining the historical development of these religions, the course will explore how these religions function in the societies of which they are a part.

## **452. Theological Studies: Seminar.**

4 cr. hrs.

A seminar in a significant area of theological studies. 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.

452b. Theology and Human Creativity. A study of and participation in the dialogue between Christian theology and creative artistic expression, especially literature, drama, and visual art. Both theological and artistic works will be studied in order to gain a better understanding of Christian faith in its cultural contexts and to encourage creative theological exploration.

## **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, the nature of faith, 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.

# Sociology

*Professor Whaley, chairman; Professor Chasteen.*

Major: 24 semester hours, including courses 211, 351, and 412.

## **211. Introduction to Sociology.** 4 cr. hrs.

The 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. Eight computer programs are used.

## **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.

**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.

**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.

**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 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 must take the first 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 must take the first seven weeks.

**351. Methods of Social Research.** 4 cr. hrs.  
Required of all sociology majors, open to other interested students. Topics include: theory of scientific research; research design; survey research techniques—sampling, instrument design, pretesting, interviewing, ethics; data manipulation, data processing, statistical techniques for data analysis, data display; report writing and critique. Prerequisites: 12 hours in social sciences (including Sociology 211) and Mathematics 216 (statistics) is strongly recommended. Offered first semester.

**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.

**427-428. Readings in Sociology.** 1-2 cr. hrs.  
Readings are assigned from the works of prominent sociologists. Individual reports are arranged. For seniors.

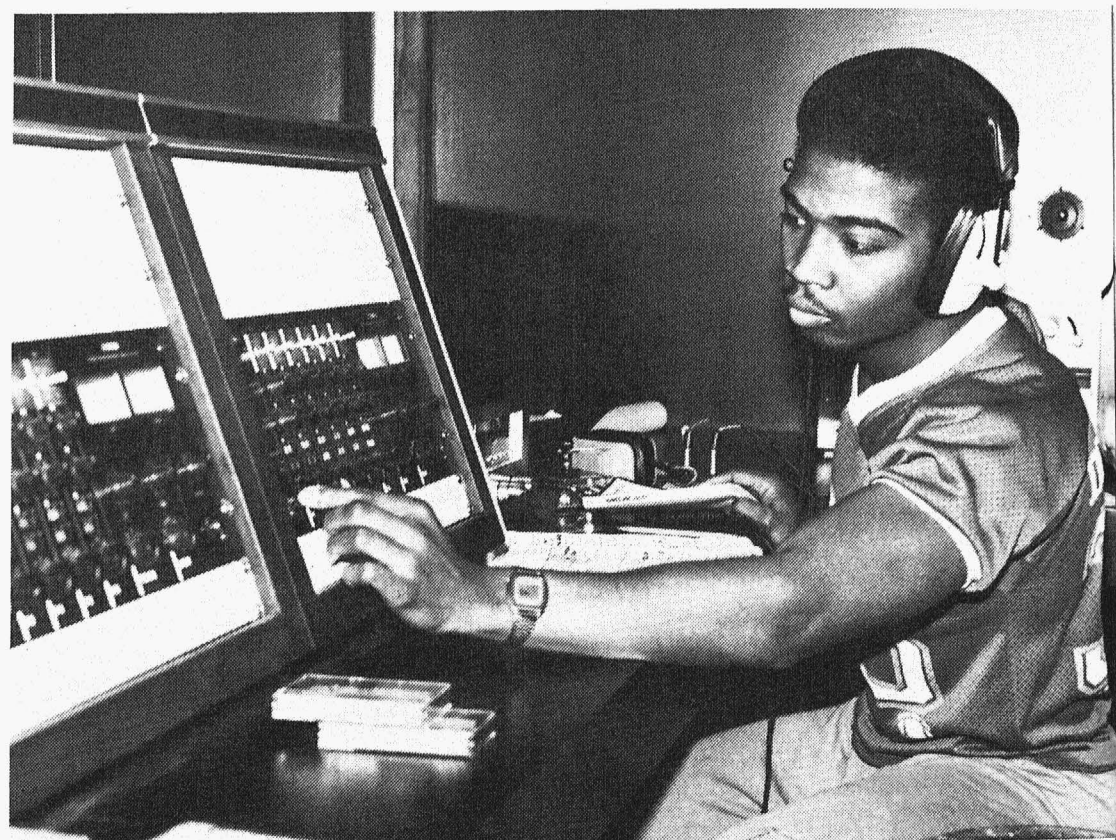
**431-432. Research Seminar.** 1-4 cr. hrs.  
An intensive study of special areas of sociological theory and research. Each student is expected to engage in research under the supervision of the department. Prerequisite: Sociology 351. Corequisite: Mathematics 216, Statistics, or equivalent, or consent of instructor.

**471-472. Internship.** 4-8 cr. hrs.  
A one-half to one semester experience with a governmental or private agency, involving practical use of sociological skills. May be combined with internship requirements for other majors (such as public administration).

The student assumes responsibility for a half-time to full-time experience, under the direction of a cooperating administrator and a faculty supervisor. The time, place and responsibilities are determined on an individual basis.

## SOCIOLOGY

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, 1983-84

*Date after name indicates year of first appointment.*

### Department of Art

**David Busch Johnson, 1970**, *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 Business Administration and Economics

**Michael T. Cook, 1978**, *Assistant professor of economics and chairman*. BA, 1969,

MA, 1973, University of Chicago; Phd, 1983, Vanderbilt University.

**Bruce K. Gordon, 1983**, *Instructor in economics*. BA, 1978, MA, 1980, Central Missouri State University; PhD candidate, Oklahoma State University.

**Jean Hawkins, 1976** *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. (On leave of absence, 1983-84.)

**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**, *Assistant professor of business administration*. BSBA, 1971, University of Missouri-Columbia; MBA, 1979, St. Louis University; CPA (Kansas), 1981.

### 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**, *Associate professor of communication*. BA, 1968,

# FACULTY

Carson-Newman College; MS, 1970, PhD, 1975, Southern Illinois University.

**Lois Anne Harris, 1979**, *Associate professor of communication, and chairman*. AB, 1968, Carson-Newman College; MS, 1970, PhD, 1974, Southern Illinois University; further study, University of Kansas.

**Mark R. Kasselhut, 1982**, *Assistant instructor of communication*. BS, 1980; further study, Central Missouri State University.

**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**, *Professor of communication*. AB, 1966, Colorado State College, Greeley; MA, 1967, University of Nebraska; PhD, 1976, University of Missouri-Columbia.

## Department of Education

**Mary Ellen Bleakley, 1977**, *Associate 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**, *Assistant professor 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 of the college*. 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*. 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; LittD, 1983, William Jewell College; 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, *Associate professor of English***. BA, 1965, University of Victoria, British Columbia, Canada; PhD, 1976, University of Texas-Austin.

**Sally Powers, 1983, *Assistant professor of English, director of learning skills, and director of the writing center***. BA, 1971, William Jewell College; MA, 1972, University of Missouri-Kansas City.

**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 associate Dean of the College***. BA, 1951, Agnes Scott College; AM, 1952, Radcliffe College; PhD, 1961, Emory 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 and director of academic advising***. AB, 1960, William Jewell College; MA, 1963, Washington University; doctoral candidate, University of Kansas.

**Carolyn L. Wright, 1982, *Assistant professor of English***. BA, 1981, Seattle University; MA, 1975, DA, 1979, Syracuse University.

## Department of History

**Kenneth B. Chatlos, 1973 *Associate professor of history***. BA, 1969, University of North Dakota; MA 1971, PhD, 1976, University of Nebraska, Lincoln; further study, University of Indiana and Yale University (NEH grants); Oxford University (sabbatical).

**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***. BArch, 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.

**Antonio Vera, 1978, *Assistant professor of modern languages, and chairman***. BA, 1969, MA, 1971, PhD, 1983, University of

# FACULTY

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; Andrew W. Mellon Senior Faculty Fellow, University of Kansas, 1983.

**Mary M. Walker, 1965** *Assistant professor of German*. AB, 1962, William Jewell College; MEd, 1965, University of Missouri-Kansas City; further study, Phillips Universitat, Marburg An der Lahn, Germany; Goethe Institut, Murnau, Oberbayern, Germany; University of Munich; University of Kansas.

## 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.

**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

**Joseph Truett Mathis, 1969**, *Associate professor of mathematics*. BA, 1963, Howard Payne College; MS, 1965, Texas Christian University; further study, University of Oklahoma.

**Evelyn C. Pitts, 1983**, *Assistant professor of mathematics*. BS, 1970, Evangel College; MA, 1972, University of Kansas.

**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.

**Sandra Emig, 1977**, *Assistant professor of music*. BMus, 1973, MA, 1975, PhD, 1978, Ohio State University.

**W. Arnold Epley, 1982**, *Associate professor of music and director of choral activities*. BM, 1962, Howard College (Samford University); BCM, 1964, MCM, 1965, DMA, 1976, Southern Baptist Theological Seminary.

**Calvin C. Permenter, Jr., 1980**, *Assistant professor of music*. BM, 1976, University of Cincinnati College-Conservatory of Music; MM, 1979, Drake University; further study, American Conservatory of Music, Fontainebleau, 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**, *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.

**Janice E. Rogers, 1977**, *Assistant professor of music*. BA, 1969, MA, 1977, University of Tennessee.

**Phillip Wendell Schaefer, 1976**, *Assistant professor of music*. BA, 1968, University of Northern Iowa; MS, 1976, University of Illinois.

**Dean Wilder, 1975**, *Robert H. McKee professor of music, and director of vocal studies*. BA, 1963, Cascade College; MM, 1970, New England Conservatory of Music.

## Department of Nursing

**Wanda M. Vaughn Boyd, 1983**, *Instructor in nursing*. BS, 1974, University of New Mexico School of Nursing; MSN, 1975, University of Colorado School of Nursing.

**Carolyn Edison, 1977**, *Assistant professor of nursing*. 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*. BSN, 1969, University of Missouri-Columbia; MSN, 1973, University of Texas-Austin; further study, University of Kansas.

**Jeanne Johnson, 1973**, *Associate professor of nursing*. BSN, 1956, University of Illinois; MA, 1975, University of Missouri-Kansas City; doctoral candidate, University of Kansas.

**Joanne Kersten, 1979**, *Assistant professor of nursing*. BSN, 1974, William Jewell College; MN, 1979, EdD, 1983, University of Kansas.

**Sandra L. Lane, 1983**, *Instructor in nursing*. BS, 1977, William Jewell College; MN, 1981, University of Kansas.

**Shirley Davis-Martin, 1982**, *Professor of nursing, and chairman*. BSN, 1958, MSN, 1960, Duke University; PhD, 1981, University of Florida.

**A. Lorene Massa, 1983**, *Assistant professor of nursing*. BSN, 1967, Northwest Missouri State University; MN, 1970, University of Iowa; further study, University of Missouri-Kansas City.

**Sherry Mustapha, 1979**, *Assistant professor of nursing*. BSN, 1960, MSN, 1977, University of Missouri-Columbia; doctoral candidate, University of Kansas.

**Victoria H. Permenter, 1979**, *Assistant professor of nursing*. BSN, 1977, Duke University; MSN, 1979, Vanderbilt University.

**Janet Vincent, 1978**, *Associate professor of nursing*. BSN, 1957, MN, 1973, University of Kansas; doctoral candidate, 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 golf coach*. BS, 1949, Northeast Missouri State

## FACULTY

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 track coach*. AB, 1961, William Jewell College; MS, 1967, Central Missouri State University.

**Larry R. Holley, II, 1979**, *Assistant professor of physical education, and head 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*. BS, 1963, Southeast Missouri State University; MA, 1972, University of Missouri-Kansas City. (1983-84 full year sabbatical leave.)

**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.

**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, and chairman*. BA, 1961, National College; MA, 1963, Tulsa University; PhD 1971, Colorado State University.

**C. Ray Owens, 1983**, *Instructor in psychology*. BS, 1975, Houston Baptist University; MA, 1977, University of Houston at Clear Lake City; doctoral candidate, Utah State University.

**Robert E. Troutwine, 1980**, *Assistant professor of psychology*. BS, 1976, Southwest Missouri State University; MS, 1979, PhD, 1980, Tulane University.

## Department of Religion

**J. Bradley Chance, 1982**, *Instructor of religion*. AB, 1975, University of North Carolina-Chapel Hill; MDiv, 1978, Southeastern Baptist Theological Seminary; PhD, 1984, Duke 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.

## 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.

**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.



## Adjunct and Part-Time Faculty, 1983-84

**Lisa Armagost, 1983**, *Adjunct instructor in communication.*

**Georgia B. Bowman, 1947-79, 1981**, *Adjunct professor of Latin.*

**Helen Brown, 1968**, *Adjunct instructor in music (piano).*

**Jo Ann Butler, 1982**, *Adjunct instructor in music.*

**Larry Dickerson, 1980**, *Adjunct instructor in foundations and philosophy.*

**M. Kathryn Dixon, 1975**, *Adjunct instructor in chemistry.*

**Wes Eades, 1984**, *Adjunct instructor in religion.*

**Jan Echols, 1981**, *Adjunct instructor in English.*

**Neita Geilker, 1971**, *Adjunct instructor in English.*

**Judy Goodman, 1983**, *Adjunct instructor in music.*

**Claudia E. Gosoroski, 1982**, *Adjunct instructor in accounting.*

**Cheryl Grosser, 1982**, *Adjunct instructor in English.*

**Michelle Halferty, 1982**, *Adjunct instructor in English.*

**Larry Harman, 1978**, *Adjunct instructor in business law.*

**Kimberly H. Harris, 1982**, *Adjunct instructor in business administration.*

**Juarenne C. Hester, 1973**, *Adjunct instructor in education.*

**David R. Jones, 1983**, *Director of the Ruth Stocksdales Art Gallery.*

**Nancy Jones, 1975**, *Adjunct artist-instructor in music (voice).*

**Marilyn Propp-Jones, 1980**, *Adjunct instructor in art.*

**Rebecca Koop, 1980**, *Adjunct instructor in art.*

**Dale L. Ladner, 1983**, *Adjunct instructor in accounting.*

**Ed Lakin, 1950**, *Adjunct professor of music.*

**Pat Lund, 1968**, *Adjunct instructor in physical education.*

**Randel O. Martin, 1984**, *Adjunct instructor in education.*

**Gaye McCarty, 1984**, *Adjunct instructor in French.*

**Leslie Mengel, 1982**, *Adjunct instructor in music.*

**Elaine Moore, 1977**, *Adjunct artist-instructor in music (flute).*

**Harold Neal, 1983**, *Adjunct instructor in music.*

**Patrick J. Nickle, 1982**, *Adjunct instructor in business administration.*

**Sandy Noland, 1983**, *Adjunct instructor in physical education.*

**Wade Paris, 1984**, *Adjunct instructor in religion.*

**David Perkins, 1984**, *Adjunct instructor in English.*

**Ann Posey, 1966**, *Adjunct instructor in music (piano).*

**Betty S. Richert, 1975**, *Clinical laboratory coordinator in nursing.*

# FACULTY

**John Ricker, 1979,** *Adjunct instructor in music (guitar).*

**Ron Roberts, 1982,** *Adjunct instructor in music.*

**David G. Sager, 1982,** *Adjunct instructor in music.*

**Steve Seward, 1982,** *Adjunct instructor in music.*

**Kathryn A. Neilsen-Smith, 1983,** *Adjunct instructor in chemistry.*

**Pamela Stanley, 1983,** *Adjunct instructor in music.*

**Donald E. Stewart, 1982,** *Adjunct instructor in French.*

**Dianne Vassmer, 1984,** *Adjunct assistant instructor in biology.*

**Doreen B. Voltmann, 1982,** *Adjunct instructor in music education.*

**Lynda Walker, 1983,** *Adjunct instructor in music.*

**Glenn Williams, 1983,** *Adjunct assistant instructor in biology.*

## 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.*

**Wallace A. Hilton,** *Professor of physics and chairman, 1946-1980.*

**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.*

**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

**Robert M. Addison**, *Residence, 2517 Hawthorne, Independence, Mo. 64052; business address, 2700 Commerce Tower, Kansas City, Mo. 64105.* President, U.S. Supply Group; chairman of the board, U.S. Supply Co., Kansas City, Mo., U.S. Southland Supply Co., Dallas, Texas, U.S. Industries Supply Co., San Diego, Calif.; member of the board, The Commerce Bank of Independence; Baptist.

**James R. Bocell**, *Residence, 1 Elmwood Road, St. Joseph, Mo. 64505; business address, American National Bank, St. Joseph, Mo. 64502.* President, American National Bank, St. Joseph; member, the Missouri Bar, Rotary Club, Moila Shrine Temple; member, St. Joseph Bar Association; treasurer, Pony Express Council, Boy Scouts of America; board member, Southern Baptist Foundation; treasurer, First Baptist Church, St. Joseph; Baptist.

**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; member, American Medical Association, Missouri State Medical Association, Clay County Medical Association, delegate to AMA House of Delegates from State of Missouri, 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 staff, 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; secretary-treasurer, Mowinco Corp.; 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 and Committee on Boards of Southern Baptist Convention; supervisor, Doctor of Ministries program, Midwestern Baptist Theological Seminary; trustee, Georgetown College; 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; served on Executive board, Kentucky 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 Quarterhouse Association; Baptist.

**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 president of 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.; trustee, Radio and Television Commission, Southern Baptist Convention; chairman of board, American Christian Television System of Kansas City, Inc.; member, strategic planning committee, Missouri Baptist Convention; vice chairman, local arrangements committee, Southern Baptist Convention; chairman, Ethics Board, City of Independence; Baptist.

### **Wallace E. Jones, Residence, 11201 St.**

*Francis, St. Ann, Mo. 63074; business address, Fee Fee Baptist Church, 11330 St. Charles Rock Road, Bridgeton, Mo. 63044.*

Pastor, Fee Fee Baptist Church, St. Louis; executive committee, Southern Baptist Convention; committee work, Missouri Baptist Convention; former pastorates in Kansas City, Weldon, N.C., Higbee, Mo., Dade County and Johnson County, Mo.; 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 gastroenterology; staff privileges at Research Medical Center, North Kansas City Memorial Hospital, Independence Sanitarium and Hospital, plus consulting staff privileges at eight 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,**

*102 N. Waterview, Richardson, Texas 75080; business address, 701 W. Beltline Rd., Richardson, Texas 75080.* Pastor, Richardson Heights Baptist Church, Richardson, Texas; former pastor in Wichita and Little Rock; graduate of Southwestern Seminary; leader in Arkansas Baptist Convention; received many honors, awards, including H.C. Brown Preaching

## BOARD OF TRUSTEES

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.* Member, Kansas City Bar Association; member, The Missouri Bar; trustee, Baptist Medical Center; deacon, Wornall Road Baptist Church, Kansas City; Baptist.

**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.

**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., American National Bank of St. Joseph, American Bank, Richmond, Mo., Manufacturing American Bank, St. Louis; director, Price Investment 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 801, 230 S. Bemiston, Clayton (St. Louis), Mo. 63105.* Consultant, R.C. Morton 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; second vice president, Southern Baptist Convention; 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; member, board of trustees, Baptist Health Services; member, Downtown, Inc.; member, Kansas City Chamber of Commerce, Real Estate Board; deacon, Calvary Baptist Church, Kansas City, Mo.; Baptist.

# TRUSTEES EMERITI/ADMINISTRATORS

## Trustees Emeriti

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**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.

## Administrative Officers and Staff, 1984-85

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**Gary Phelps**, B.A., M.S., *Dean of Student Affairs.*

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**Aaron M. Reuck**, B.S.C.E., *Director of Physical Plant.*

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**William D. Soper**, M.D., *Associate College Physician.*

**Cheryl D. Steinkamp**, A.B., *Director of Development and Alumni Services.*

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**Jimmie E. Tanner**, B.A., M.A., Ph.D., *Dean of the College.*

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**Vic Wallace**, B.A., M.A., *Head Football Coach and Admissions Counselor.*

**Esther Edwards Wells**, A.B., M.S. *Director of Student Activities and Student Affairs Associate.*

**John Young**, A.B., M.L.S., M.P.A., *Director of Library.*

## Committees of the College, 1984-85

### Program and Policy Committees

**ADMINISTRATIVE CABINET (A):** Cain, Hader, Human, Kingsley, Lambert, Phelps, Tanner

**CURRICULUM AND EDUCATIONAL POLICY (A/F):** Faculty—Adams, Cook, M. Dixon, Duke, Holley, D. Johnson, Kickbusch, Mustapha, Pitts, Riddle, Unger, C. Vera; Ex-officio—Miller, Shannon, Stockton; Administrator—**Tanner**

**FACULTY COUNCIL (F):** Faculty—Edwards, Emig, Garrison, **Mark**, Posey, Troutwine

**FACULTY DEVELOPMENT (F):** Bleakley, **Chatlos**, Dilts, Hoyt, Mohler, D. Moore, V. Permenter, Stockton, Willett

**PLANNING REVIEW (A/F):** Faculty—Duke, L.A. Harris, Hawkins, Vincent, Wagenknecht; Administrators—Cain, Hader, Human, Kingsley, Lambert, **Lampo**, Phelps, Tanner

### Specific Action Committees

**ADMISSIONS (A/F):** Faculty—H. Brown, Sherrick, A. Vera; Administrators—Human, Phelps, Stone, **Tanner**

**ADVISORY PROGRAM (A/F):** Faculty—Chance, J. Johnson, Newton, Owens, **Unger**; Administrators—Rychlewski, Stone

**ATHLETICS (A/F):** Gordon, Mathis, **Wagenknecht**; Ex-officio—Patterson; Administrator—Tanner

**CHRISTIAN COLLEGE (A/F):** Faculty—David, K. Harris, C. Robinson, Thoman; Administrator—**Cain**

**COMMITTEE ON COMMITTEES (F):** Kersten, **Mathis**, Rice

**COMPUTER FACILITATING (A/F):** Faculty—Canuteson, Geilker, **Hoyt**, Thoman; Administrator—Dickerson

**HONORS COUNCIL (F):** Cuthbertson, Edwards, K. Harris, Knauss, **E. Lane**, Nelson, Willett

**INTERNATIONAL/INTERCULTURAL EDUCATION (A/F):** Faculty—**D. Brown**, **F. Moore**, Munro; Administrators—Lampo, Schwegler

# COMMITTEES

LIBRARY (A/F): Faculty—Chance,  
**Dunham**, Griffith; Administrator—Young

PRE-MEDICAL ADVISORY (A/F):  
Faculty—**Dilts**, M. Dixon, **E. Lane**, Mark,  
Philpot, Shannon; Administrator—Lambert

PRE-LAW ADVISORY (A/F) :  
FACULTY—**Chatlos**, Dunham, Eilers;  
Administrator—Mullennix

SABBATICAL LEAVE (A): Faculty—  
Cuthbertson, Geilker, Trotter; Trustees—  
Thomas, Turnage, **Willard**; Administrators—  
Kingsley, Shannon, Tanner

THEME (F): D. Johnson, Knauss, S. Lane,  
C. Robinson, **Rogers**, Wilder

WHO'S WHO IN AMERICAN COLLEGES  
AND UNIVERSITIES (A/F): Faculty—  
Bleakley, Gourley, Hawkins, Kersten, C.  
Permenter, Thoman, Trotter;  
Administrators—Burris, **Phelps**

WOODROW WILSON NATIONAL  
FELLOWSHIP FOUNDATION (A/F):  
Faculty—Emig, E. Lane, Mohler, Unger,  
**Willett**; Administrator—Tanner

## Consultative Committees

CAMPUS ORGANIZATIONS AND  
SPECIAL EVENTS (A/F): Faculty—  
Chasteen, Edison, Flook, Harriman, Newton;  
Administrator—Burris, **Phelps**

COLLEGE CONDUCT (F): David,  
**Dunham**, Garrison, Swisher, Whaley

COMMITTEE ON STUDENT  
PUBLICATIONS (A/F): Faculty—L.A.  
Harris, Munro; Administrators—Hader,  
**Phelps**, Wells

EDUCATIONAL RECORD REVIEW  
(A/F): Adams, Nelson, Newlon;  
Administrator—Rychlewski

FINANCIAL AID POLICY (A/F):  
Faculty—Eilers, Massa; Administrators—  
Armstrong, Phelps, **Stone**

FINE ARTS (A/F): Faculty—Epley,  
Harriman, K. Harris; Administrator—  
**Tanner**; Trustee—Thomas

TEACHER EDUCATION (F): Hamilton,  
C. Robinson, Schaefer, Swisher, Walker;  
Ex-officio—Bleakley, Garrison, Kickbusch,  
F. Moore, **Stockton**

## Official Calendar 1984-85

### First Semester

**September 1**  
Residence Halls Open

**September 1-3**  
New Student Orientation

**September 3**  
Registration

**September 4**  
Classes Begin

**September 6**  
Opening Convocation

**October 13**  
Homecoming

**October 12-15**  
Fall Break

**November 3**  
Parents' Day

**November 20**  
Thanksgiving Holiday  
Begins (5 p.m.)

**November 26**  
Classes Resume

**December 18-21**  
Final Examinations

**December 21**  
Christmas Holiday  
Begins (5 p.m.)

### Winterim

**January 14**  
Winterim Begins

**January 25**  
Winterim Ends

### Second Semester

**January 28**  
Registration (a.m.)  
Classes Begin (p.m.)

**March 8**  
Achievement Day

**March 15**  
Spring Break  
Begins (5 p.m.)

**March 25**  
Classes Resume

**April 5**  
Good Friday Holiday

**May 13-17**  
Final Examinations

**May 19**  
Baccalaureate and  
Commencement

### Summer School

**June 3**  
Registration and  
Summer School Begins

**July 26**  
Summer School Ends

## 1985-86

### First Semester

**August 31**  
Residence Halls Open

**August 31-September 2**  
New Student Orientation

**September 2**  
Registration

**September 3**  
Class Begin

**September 10**  
Opening Convocation

**November 26**  
Thanksgiving Holiday  
Begins (5 p.m.)

**December 2**  
Classes Resume

**December 17-20**  
Final Examinations

**December 20**  
Christmas Holiday  
Begins (5 p.m.)

### Wintrim

**January 13**  
Winterim Begins

**January 24**  
Winterim Ends

### Second Semester

**January 27**  
Registration (a.m.)  
Classes Begin (p.m.)

**February 28**  
Achievement Day

**March 14**  
Spring Break  
Begins (5 p.m.)

**March 24**  
Classes Resume

**March 28**  
Good Friday Holiday

**May 12-16**  
Final Examinations

**May 18**  
Baccalaureate and  
Commencement

### Summer School

**June 2**  
Registration and  
Summer School Begins

**July 25**  
Summer School Ends



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