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WILLIAM JEWELL COLLEGE
LIBERTY, MISSOURI

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William Jewell College Journal



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WILLIAM JEWELL JOURNAL

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Education is a Way of Life

There are two ways of thinking about education. We can think of it as a means to an end—a way of preparing ourselves to make a living. Or we can think of it as a way of living—an approach to life itself. At William Jewell College we prefer to think of it as a way of living. You are prepared to enter your vocation or continue in graduate school, to be sure, but you are also engaged in a way of thinking, of assessing values, of living and working with other people, disciplining yourself in such a way that it becomes a present and continuing way of life.

As a liberal arts college, it helps you to become an educated person. The curriculum, divided into 19 major departments, provides a broad and comprehensive acquaintance with such subjects as English, history, the social sciences, the physical sciences, classical and modern languages, philosophy and religion, and the arts. From these you will select your major for concentration but you will, at the same time, develop an understanding of and relationship to the other areas of culture and experience, such as the working of the mind in psychology, the importance of social behavior in sociology, the place of the world of nature and the scientific methods in the physical sciences, the contribution and experience of other

peoples from history, the importance of communication through the languages and speech, and appreciation of the fine arts through art, drama and music, and the eternal moral and spiritual values from philosophy and religion. By this process, you not only lay the necessary foundation for graduate study or your chosen vocation, you become better qualified as a totally educated person to live a satisfying and useful life.

As a Christian college, William Jewell is concerned not only with academic achievement, but with the development of moral character, an appreciation of spiritual values and ideals, responsibility for Christian citizenship and a compassionate concern for others.

While William Jewell College is affiliated with the Baptist denomination, it is open to all students, regardless of race, religion or national origin. We are pleased that many with varying religious and cultural backgrounds are represented in our student body. It is our conviction that religious goals can best be achieved by voluntary activity and response. We hope to achieve them by exposing our students to outstanding Christian leaders, by the Christian influence of our faculty and staff, by involving the students in the religious activities on the campus, by encouraging them to be active in the churches and humanitarian causes in the community, and by endeavoring to maintain a wholesome and positive Christian atmosphere in the total life of the college. It is our hope that each student, during his experience at William Jewell College, will come to a voluntary commitment to Christ and his purpose as a way of life.

Above everything else, William Jewell College is interested in you as an individual. We want to help you to discover yourself as a person, to discover your capabilities and interests and to discover the place in life where you can make your greatest contribution.

Because we have a selective enrollment of approximately eleven hundred, our college is small enough for you to receive individual counseling by members of the staff and faculty. As a means of personal development you can participate in one or more of the many extra-curricular activities offered by the college, such as music, drama, forensics, intercollegiate and intramural sports. If you desire you can find your place of leadership in the college's

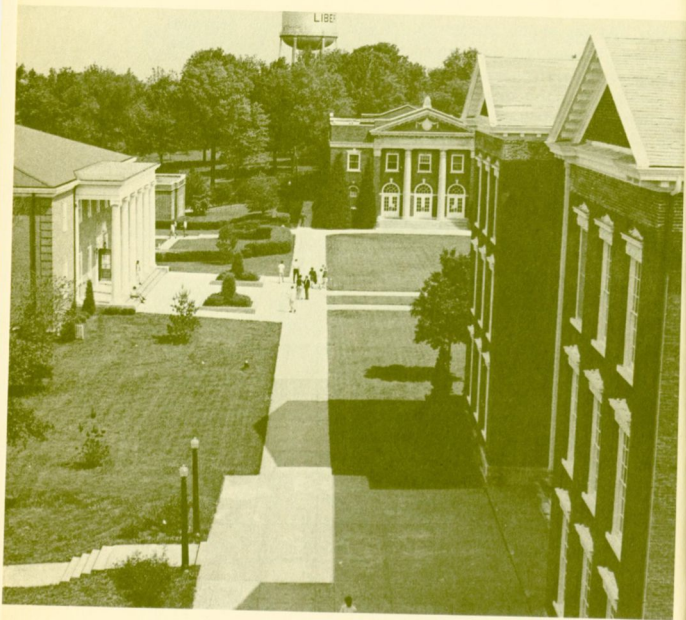
active and responsible student social and government programs. Not only is your own life helped by participating, but you contribute to the enrichment of the entire college community.

Finally, we must keep in mind that all liberal education is a continuing education. It offers increase and renewal till the end of life. The product of a college should be a potentially educated man. One of the prime confusions in higher education has been the false and impossible notion that everything can and must be taught and that the student must be completed and tidied up by graduation. William Jewell seeks a liberal education that will truly liberate our undergraduates for a lifetime's intellectual adventure, one that will help them meet new situations as they arise, one that will help them accept their places as responsible citizens in a free society. Only then can education in a liberal arts college like William Jewell become a way of living both on the campus and beyond.

How well we do in accomplishing that purpose can be ascertained by the continuing life of our graduates. What have they achieved not in terms of material success, but in the development of their personal lives and in the contribution they make to their field of endeavor and to society as a whole?

In order that the college might give some tangible evidence of that, there was inaugurated in 1944 the annual Achievement Day. This day has a two-fold purpose: To honor a group of representative alumni who have achieved distinction in various fields of endeavor, and to provide an educational forum through which members of the student body may receive inspiration and advice from alumni who are leaders in fields in which the students themselves may plan their careers. "Citations for Achievement" are awarded the alumni at a formal convocation, and in the evening they are guests of honor at a banquet at the Hotel Muehlebach in Kansas City, the speaker at which has received an honorary degree at the morning convocation.

Here is an ever-lengthening line of distinguished men and women — statesmen, teachers, ministers, scientists, business executives, authors and artists who give evidence of the value of the quality of education they received at William Jewell College. You can be among them.



The William Jewell Story

Colleges and universities in America were founded and grew because of the need for educated leadership. William Jewell College was no exception. When Missouri and the vast stretches of land toward the West were still frontier territory, it was founded as the first men's college west of the Mississippi River.

As early as 1835, the Baptists of Missouri were feeling the need for a four-year liberal arts college and began seeking a way and a place for its establishment. In 1843, Dr. William Jewell, a physician in Columbia, Missouri, made a conditional offer of ten thousand dollars for the building and endowment of such a college. The offer was accepted in 1848. The Missouri legislature granted a charter which was signed by the Governor on February 27, 1849. At a meeting of the Missouri Baptist Convention in Boonville, the decision was made to locate the new college on a beautiful, wooded hilltop in the town of Liberty, and name it in honor of its first benefactor—William Jewell. The college was opened to students on January 1, 1850, and the first building was completed in 1851, and named Jewell Hall. It still stands in its classic beauty at the center of the campus and has been used—with the exception of a brief interlude during the Civil War—throughout the long and significant history of the college.

From the very beginning, William Jewell College has been blessed with strong leadership. Its earliest faculty was made up of men with academic degrees from both American and European universities. Under the presidency of Dr. John Priest Greene, 1892-1920, the college won a national reputation for its high academic performance and for the moral and spiritual impact upon its students. In 1921, the college became coeducational.

Like all colleges extending over this long period of time, William Jewell has had its difficult as well as its rewarding hours. In such a time, Dr. John F. Herget became its eighth president and gave wise and stable leadership during the desperate years of the Depression and the early years of World War II. He, with the loyal and generous support of its trustees, brought the college back from its lowest ebb to face a new era of growth and expansion.

From 1943-1962, the college had as its president the capable Baptist minister, Dr. Walter Pope Binns. During this nineteen-year period, William Jewell realized its greatest era of expansion in faculty, student enrollment, endowment and new buildings.

Following Dr. Binns' retirement in 1962, H. Guy Moore became the tenth president. He had graduated from William Jewell in 1931, and had served on its board of trustees while he was pastor in Missouri. He returned to his alma mater as president after serving for fifteen years as minister of the Broadway Baptist Church in Fort Worth. Dr. Moore retired as president in August 1968, and B. G. Olson was named acting president.

Those of us who serve the college today—trustees, administration, faculty—recognize with gratitude the contribution that the personalities of the past have made to William Jewell, as well as her rich cultural and religious heritage.

It is our purpose, however, not simply to recount our history and review our traditions, but to capture what has always been the spirit of William Jewell College, so eloquently expressed in her motto DEO FISUS LABORA — TRUST IN GOD AND WORK, which is relevant for today and the ever-changing tomorrow. The central purpose of the college, we believe, has not changed and to that we reaffirm and renew our commitment.

William Jewell College intends to continue as a four-year under-

graduate college committed to provide a liberal arts education in a positive Christian context; to maintain the highest academic standards in preparing students for graduate studies and for intellectual and moral leadership in our world; to develop intellectual curiosity, habits of industry, judgment of values, maturity of character, and social responsibility; to concern itself with the student as an individual in his academic and personal development; to remain affiliated with the Baptist denomination but open to all students without respect to religion or race; to provide an atmosphere for the freedom of inquiry and responsible scholarship consistent with Christian principles and a democratic society.

ACCREDITATION

William Jewell College is accredited by the North Central Association of Colleges and Secondary Schools, and is also approved by the American Association of University Women.

LOCATION

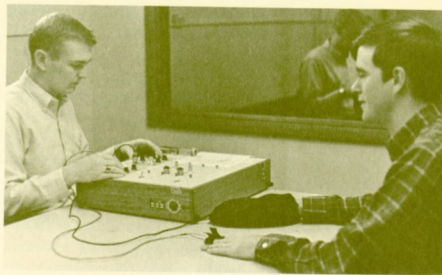
William Jewell College is located in Liberty, a historic Missouri town, incorporated in 1822, the year after Missouri was admitted into the Union. Settlers came to Liberty from Virginia and Kentucky. Here a generation later the wagon trains outfitted for the California gold rush. It is a cultured community, largely residential, located only fourteen miles, a twenty-minute drive, from downtown Kansas City.

The skyscrapers of the city can be seen from the campus. Here on both sides of the Missouri River, in two states, is one of the great metropolitan areas of the Middle West and one of the fastest growing and most diversified industrial centers in the nation. More than a million people live in the Kansas City metropolitan area. Its airports are crossroads of the world. The finest and best in entertainment come to Kansas City. The Nelson Art Gallery and the Linda Hall Science Library in Kansas City, and the Harry S Truman Library and Museum at nearby Independence, are important cultural resources of the community.

Liberty is reached by highways I35 and 29, U.S. 71 and 69, Mo. 152, 10 and 33. Kansas City airport is a few miles away and bus lines furnish service to Kansas City.



Historic Jewell Hall



The Campus

William Jewell College is located on a campus of one hundred six acres of wooded upland just within the northern and eastern corporate limits of Liberty.

CHAPEL

The John Gano Memorial Chapel was named in honor of the Reverend Gano, who established the First Baptist Church in the city of New York and served as chaplain in the army of George Washington. The auditorium seats 1020. It is equipped with an Allen electronic organ, gift of the Pillsbury Foundation, of St. Louis. It has a large stage for dramatic and musical productions.

Facing the foyer on the main floor, and also on the second floor are the studios and practice rooms of the department of music. Below the auditorium are the practice rooms of the William Jewell band and the office of the director.

WILLIAM F. YATES COLLEGE UNION

The Yates College Union, center of the college social life, is located west of the chapel and north of the library. Construction was begun in the fall of 1956 and completed for the college year 1957-58. The union houses the cafeteria and other food services, the Cage (snack bar), and the college book store. There are rooms for rest and relaxation, entertainment, informal discussion, and social and speaking engagements. The offices of the student senate, student publications, and the college union board are in this building. An addition doubling the size of the union opened in 1967.

THE NEW MEMORIAL LIBRARY

The new Memorial Library, dedicated in September 1965, is a spacious, four-story colonial style brick building, centrally air-conditioned and beautifully furnished. The library, built at a cost of \$1,250,000, has seating space for 400 students, and will be adequate for the student body for many years in the future.

The library houses over 90,000 volumes and receives over 450 periodicals, many of which are bound for permanent reference.

There are several special collections. The private library of Charles Haddon Spurgeon, the great English preacher, was ac-

quired in 1906, and is of special interest because of the wealth of Puritan literature which it contains. It is now housed in a room which is a replica of Spurgeon's study in London.

Other collections in the library are the "Dr. Louis M. Mertins Collection" of signed manuscripts, first editions, and holographs; the "Ted Malone Collection of Poetry," and "Hubmaier Collection," photostatic copies made by Dr. W. O. Lewis of the complete writings of Balthasar Hubmaier, the great Anabaptist Reformer; and the "John F. Herget Limited Editions Club Collection." The archives of the Missouri Baptist Historical Society are also housed in the library.

JEWELL HALL

Jewell Hall, first occupied in 1853 and completed in 1858, an outstanding example of Classical Revival architecture, contains the offices and lecture rooms of the departments of language and literature, philosophy, religion, history, economics, sociology, and education. The interior of this building, the oldest on the campus, was completely modernized in 1948.

MARSTON HALL

Marston Science Hall, on the southern point of "The Old Hill," houses the departments of biology, chemistry, physics, mathematics, and psychology. This building was thoroughly renovated in 1953, and new scientific equipment installed. It is of fireproof construction throughout and especially designed for science work.

The College Museum, on the fourth floor of Marston Hall, contains representative specimens of most bird and mammal groups and a nearly complete collection of local fish, frogs, and reptiles. The herbarium contains about 24,000 plant specimens from all the states and from more than fifty foreign countries. There is an excellent collection of index fossils and representative rocks and minerals. A limited number of historical relics are also on display.

For biological experiments and for an arboretum, an area of about five acres has been set aside on the north side of the campus. This preserve contains about seventy species of trees, a half mile of multiflora hedge, and other shelter for wildlife. Here students have an opportunity to learn conservation practices and ecological

methods under actual field conditions. Classes in biology and conservation have set up several permanent long-range experiments.

GREENE HALL

On the east slope of the hilltop and facing the west is the administration building. Its cornerstone was laid in 1948, and it was occupied in the summer of 1949. The building is a memorial to President John Priest Greene, and is the gift of Mr. W. D. Johnson, for many years a member of the board of trustees and its president for a quarter of a century. Greene Hall brings together and adequately houses all the administrative offices of the college.

THE PRESIDENT'S HOME

The President's Home, set in a beautiful wooded lawn, was built originally for President Greene. After the beginning of World War II it served in emergency as a women's dormitory, then as a classroom building, and finally as quarters for the music department before the move of that department to Gano Chapel. Renovated and remodeled, the building again serves its original purpose.

MELROSE HALL

Melrose Hall, a residence hall for women, stands on a wooded hilltop northwest of the President's Home. It contains accommodations for 88 women, and a modern recreation room.

MINETRY JONES HALL

On the slope east of Melrose stands a small residence hall to accommodate 44 women. It is of brick construction, completely modern, with generous lounge areas and kitchenettes.

SEMPLE HALL

The Semple residence hall for women is located between Melrose Hall and Jones Hall. It accommodates 195 students and was opened for occupancy in September 1957.

ELY HALL

On the southeast of the drive that leads from Melrose Hall to the quadrangle, and just north of the gymnasium, is Ely Hall, a residence for men. The campus infirmary, supervised by a resident nurse, and the art center are also located here.

EATON HALL

The James R. Eaton residence hall for men, with a capacity of 138 students, is located northeast of Ely Hall. It was opened for occupancy in September 1958.

MEN'S NEW DORMITORY

Housing 180 men, this new dormitory has lounges, recreation room, exercise room, refreshment room, and carpeting throughout. Completed in February 1968, it features a sink in each room and ample storage and closet space.

MARRIED STUDENT APARTMENTS

Thirty-six apartments for married students were opened for occupancy in September 1962. They are located on the northeast corner of the campus. The middle one of the three buildings is named the Marguerite Apartments in honor of the wife of Reverend Roy Johnson, who contributed substantially to the building.

GYMNASIUM

East across the driveway from the chapel is the Brown Gymnasium. This thoroughly modern building contains a maximum-sized basketball court with spectators' galleries, a corrective gymnasium, adequate shower and locker facilities for the entire student body, a tile-finished swimming pool, handball courts, directors' and coaches' offices, and a lecture room.

ATHLETIC FIELD

The athletic field of twenty acres is southeast of the gymnasium. It contains a quarter-mile and a 220-yard straightaway cinder track, and the football field. The field is lighted for night games. Tennis courts are provided near the gymnasium. The college has recently constructed a grass green for individual instruction in golf.

STADIUM

Built in 1955, the Luther D. Greene Stadium is located on the west side of the football field. There is a heated press box atop the structure, and below are concession stands, restrooms and squad room for the visiting team. The stadium is 66 x 220 yards and on 32 rows of seats accommodates 4500 spectators. Additional stands across the field make the total seating capacity over 7000.

Requirements for Admission

William Jewell College is interested in educating young people who have shown, by past achievement, a high level of intellectual capacity, initiative, and maturity. The young person who will benefit most from the kind of education offered by William Jewell is the individual who, in addition to these qualities, possesses fine character and a serious interest in learning.

The admissions policy will increasingly favor those applicants who present sound preparation in certain basic subjects: English composition, mathematics, foreign languages, history, and laboratory science. The applicant should have completed as much work on those subjects as can be managed in his high school career.

1. Preference will be given to students who graduate from an accredited high school or preparatory school with a minimum fifteen units of credit, selected from the subjects below. Following is not a rigid pattern, but suggests a desirable distribution:
 - a) Four units in English
 - b) Two units of foreign language
 - c) Two units of mathematics
 - d) One unit in biology, chemistry or physics
 - e) One unit in history, government, economics, sociology, or psychology
 - f) Five additional units in any of the above fields.
2. The standing of the student in his graduating class (rank in the upper half is usually considered minimum).
3. In determining admissibility, the committee on admissions gives careful consideration to the quality of his high school work, particularly in the junior and senior years.
4. Recommendations from the high school principal or guidance counselor and at least one other informed responsible person.
5. Scores on either the American College Testing Program or College Entrance Examination Board tests of college preparation. At the discretion of the admissions committee, additional tests may be administered.

Individual consideration is given to veterans and other mature applicants who may not entirely meet all other requirements.

Students transferring from other colleges must provide a statement of honorable dismissal from the college last attended, and a transcript of credits. These should not be presented by the students, but should be sent to the office of admissions by the college issuing them, in ample time to be evaluated prior to actual registration.

The college reserves the right to deny admission to any applicant whose academic history or personal qualifications are in its judgment such as to make him unsuited to college work and living.

EARLY ACCEPTANCE PLAN

Students who wish an early notice of admission may apply under our early acceptance plan. Admission will be based on the academic record and College Entrance Examination Board scores at the end of the junior year in high school (PSAT). Application for admission and all necessary credentials should be received by November 15, and candidates will be notified of the action taken by the admission committee by December 1. This plan is clearly intended for applicants with strong qualifications who expect to attend William Jewell if offered admission.

INTERVIEWS AND CAMPUS VISITS

Whenever possible, each candidate for admission should have a personal interview with a member of the admissions staff. This may be arranged at the student's school or home or at a time when the student may be visiting the campus. The admissions office is open each weekday and on Saturday until three o'clock. Because there is a large number of prospective students and parents who visit the William Jewell campus each year, appointments for interviews should be made in advance of the date of the visit.

HOW TO APPLY FOR ADMISSION

1. Make an application on forms secured from the director of admissions. All applications will be formally passed upon by the college committee on admissions, and must be accompanied by a \$10 non-refundable application fee.

2. Ask the office of admissions to reserve a room for you in a residence hall. Dormitory assignments are made in the summer by the dean of men and the dean of women and are based on the order in which the room deposit is received.

3. Have a transcript of your high school credits (or credits from other colleges, if you have attended other colleges), together with letters of recommendation, sent directly to the office of admissions.

4. Each new student is required to present a record of a physical examination before attending classes. The physical examination blanks will be provided by the college.

Note in the college calendar in the back of this catalog the dates for your arrival, orientation, registration and the beginning of class work.

ADVANCED STANDING

When students transfer from other colleges, credits will be allowed, in general, only for those courses which would have been taken if the work had been done at William Jewell College. The following regulations will apply in evaluating the work of students who attended other accredited institutions:

1. If the student presents an overall C average on work taken elsewhere, only those credits will be accepted that apply to the curriculum being pursued at William Jewell.

2. If a student does not present an overall C average on work taken elsewhere, only those credits on which he has made a C or above may be accepted.

3. If a student has been dropped from another institution, but has the privilege of reentering later, credits on which he has made a C or above may be accepted.

4. William Jewell College will not accept students who have been permanently suspended from another institution.

5. Not more than 62 semester hours of work will be accepted from junior colleges, except under unusual conditions; and then never more than 64.

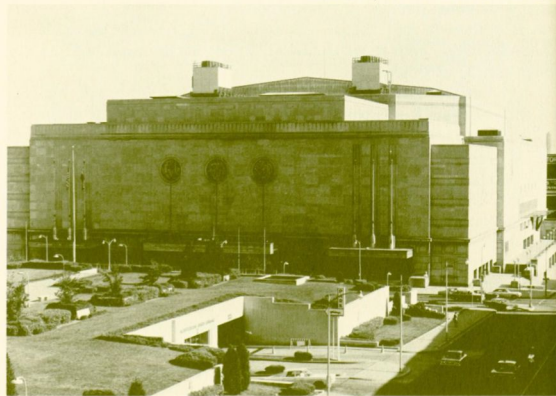
The dean reserves the right to withhold advanced standing from any student until he has demonstrated satisfactory scholastic ability in work taken at William Jewell College.

In order to receive a degree from this institution, students with credits from other colleges must complete at least the entire senior year (minimum, thirty semester hours) in residence at William Jewell College.



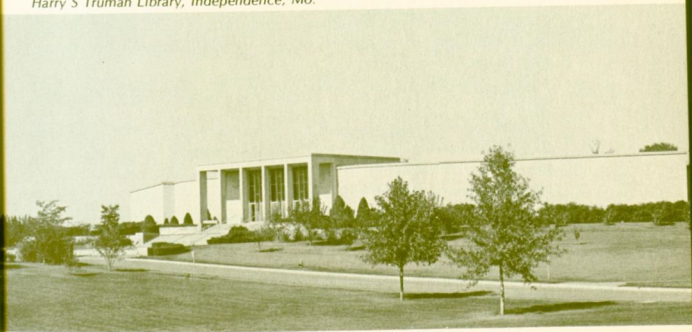
Nelson-Atkins Art Galleries, Kansas City

Kansas City auditorium and music hall



Linda Hall Library of science, Kansas City

Harry S Truman Library, Independence, Mo.



General Information and Regulations

STUDENT CONDUCT

It is assumed that every student enrolling in William Jewell College agrees to conduct himself in a manner conducive to the highest sort of mental and moral development. The faculty reserves the right to dismiss any student whose conduct or habits are considered inconsistent with the ideals of the institution.

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The possession or consumption of alcoholic beverages or habit-forming drugs not prescribed by a physician is prohibited on the campus, in fraternity houses, off-campus housing, or at any college function. Any student under the influence of either, on or off campus, is subject to disciplinary action. Any student who indicates he is unwilling or unable to accept or meet these requirements may be asked to withdraw.

The possession or use of firearms on the campus is strictly forbidden.

Since the enduring values of a college experience are the product of a student's own learning and personal growth, every student in this college is expected to prepare his own work conscientiously, honestly, and independently. In so doing, he will not only assure himself of a more responsible command of subject matter, but will sustain the integrity of the college's degree, as well as his own integrity.

Persons unwilling or unable to live in the spirit of this commitment are not welcome at William Jewell College, and evidence of such an attitude may lead to dismissal from the college.

Students should read the student handbook for further instructions.

CLASS ATTENDANCE

Each student makes his own decision regarding class attendance, fully accepting the responsibility that is necessarily involved. It is the conviction of the college, however, that punctuality and regularity of class attendance are extremely important, and that carelessness in this matter may cast grave doubt on the seriousness of a student's purpose at college. When three successive absences, or a total of five, have occurred in a semester without proper explanation acceptable to the instructor in a class, the student is referred to the dean of the college for appropriate action.

CHAPEL ATTENDANCE

The college maintains on Tuesdays and Thursdays a required chapel-convocation program, broadly conceived, so that students may understand something of the experience of worship, which is the dynamic of the religious life; may receive instruction and inspiration through sermons and addresses on a variety of themes; and may appreciate the wide-ranging concerns of religion in intellectual, social, political, and artistic issues and ideas. Attendance requirements are so designed that each student may elect the types of programs that best meet his own needs and interests.

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Each student is required to attend 60 percent of the chapel-convocation programs. Since this aspect of William Jewell life is intended to be a part of the education process, a student will receive one grade point if he elects to attend 80 percent of the programs. The grade point received is applicable to all campus groups and honors. If a student fails to maintain the minimum expectation, he will be referred to the office of student affairs.

REGULATIONS FOR RESIDENCE HALLS

1. In accordance with the practice of the most progressive educational institutions, all freshmen not living at home are required to live in the college residence halls.

2. All other single students who do not reside with their parents, guardian, or close relatives are required to live in college residence halls, or fraternity houses (if members).

3. All students residing in college residence halls must take their meals in the college union.

4. Students living in any of the residence halls are expected to furnish their own bed linen, blankets and towels.

5. Major problems arising in the residence halls are referred to the deans and the discipline committee. If it should become necessary to dismiss a student from a residence hall on account of misconduct, his future relations to the college will be determined by the faculty discipline committee.

AUTOMOBILE RESTRICTION FOR FRESHMEN

All freshman students residing on campus will be prohibited from having cars on campus, except in cases of demonstrated need. Examples of need are cars used to commute to campus and cars used in earning a living. Special permits for these persons must be obtained from the office of student affairs.

All freshmen who at the end of the first semester have a grade point average of 2.5 or higher will be permitted the use of their vehicles on campus, provided a permit is obtained from the above office. The use of two wheeled motorized vehicles on campus is not permitted.

STUDENT ACTIVITIES

The program of student activities is the responsibility of the director of student activities and the college union board. The college union board is a student-faculty committee. The purpose of this board is to administer programs which serve cultural, educational, recreational, and social interests of the student body, faculty, and alumni, and by these programs aid the development of leadership and provide opportunity for students to develop skills in human relations. To implement this, the board sponsors a wide variety of programs and activities, considering the interests of all students.

The center of student activity on the campus is the Yates College Union building. The college union has a lounge, snack bar, game room, book store, committee meeting rooms and commuting student facilities. Table tennis, radio-phonograph sessions and television

are some of the everyday activities. The facilities are in constant use throughout the day and evening.

CAMPUS ORGANIZATIONS

The student senate is the student governing body representing every student on the campus.

Student publications consist of the *William Jewell Student* (newspaper) and *The Tatler* (annual).

Student publications, the student senate, and the college union board (a student-faculty committee) have offices in Yates College Union.

William Jewell College has various active student organizations whose members are chosen on the basis of interest and accomplishment. In the list below, those that are chapters of national societies appear in italics.

Aeons (senior honorary
for men)

Alpha Delta Pi

Alpha Gamma Delta

Alpha Lambda Delta (freshman
women's honorary)

Alpha Phi Omega (former Boy
Scouts)

Alpha Psi Omega (dramatics)

American Chemical Society
student affiliate

Baptist Student Union

Beta Beta Beta (biology)

Big Sister Council

Church Related Vocations
Organization

College Union Board

Delta Zeta

Independent Society

Interfraternity Council

"J" Club (athletic lettermen)

Judiciary Council

Kappa Alpha Order

Kappa Mu Epsilon
(mathematics)

Lambda Chi Alpha

Nu Zeta Sigma (freshman
men's honorary)

Panhellenic Council

Panaeigis (senior honorary
for women)

PEM Club (physical
education majors)

Phi Alpha Theta (history)

Phi Epsilon (scholarship)

Phi Gamma Delta

Phi Mu Alpha Sinfonia (music
for men)

Phi Sigma Iota (Romance
languages)

Pi Gamma Mu (social science)

Pi Kappa Delta (forensics)

Political Science Club

Psi Psi Psi (psychology)

Roger Williams Fellowship
(American Baptist students)
Sigma Alpha Iota (music for
women)
Sigma Nu
Sigma Pi Sigma (physics)
Sigma Tau Delta (creative
writing)

Student National Education
Association
William Jewell Players
Women's Athletic Association
Young Democrats
Young Republicans
Young Women's Auxiliary
Zeta Tau Alpha

STUDENT PERSONNEL SERVICES

The student personnel department of William Jewell offers its services to all students in educational, vocational, and personal counseling. Every student who enters the college may take aptitude tests designed to help him discover how he can most satisfactorily direct his efforts. On the basis of these tests and their academic records, the advisors and dean can assist students in selecting courses of study. The student can also receive assistance in determining occupational goals for which he appears to have abilities and interests.

EDUCATIONAL GUIDANCE

The office of student affairs assigns each freshman to a faculty member who acts as an advisor until the student chooses a major. At that time, the head of the department becomes the advisor. The student thus secures the counsel of the head of the department until the time of graduation.

PLACEMENT SERVICES

Placement services are available to all students who desire help in finding permanent employment. Personnel officers from many companies come to the campus for the purpose of interviewing students. Students who desire help in securing employment are urged to report to the student affairs office at least four months before they desire to find full-time employment.

PART-TIME EMPLOYMENT

Some students earn part of their expenses while in college by working on the campus, in the dining halls, and in the library. Part-time employment is provided also by a number of business

firms in and near Liberty. Students desiring this service should write to the office of student affairs. Early application is desirable, because such openings are limited.

HEALTH SERVICES

As a student at William Jewell College, you will want to keep healthy, vigorous, and active. Proper treatment and care—even for mild ailments—if started early will prevent more serious illness and loss of time from classes.

Each new student is required to present a record of a physical examination before attending classes. The physical examination blanks will be provided by the college.

The infirmary is located on the ground floor of Ely Hall, with the entrance on the south side of the building. This area is planned to serve a maximum of six men and six women, and includes a doctor's office, a treatment room, a small kitchen, and an apartment for a nurse. Every effort will be made to give you the best care possible in case of minor injuries or illness. The infirmary is in charge of a registered nurse. Any student who is unable to attend classes and go to meals may, at the discretion of the physician or nurse, be admitted to the infirmary.

The college physicians report to the infirmary each day to treat students who need medical attention.

Responsibility for the care of students with major illness or communicable diseases and for special care and nursing costs made necessary under such conditions must be assumed by the patient and parents or guardian. The health and accident insurance included in the health program will give some financial assistance when major illnesses or accidents require hospitalization.

REGISTRATION

Students may register at the beginning of either semester, or at the beginning of the summer school.

For specific dates and times of registration for first and second semester and the summer school, students should refer to the college calendar listed in the back of the catalogue.

Registration, including settlement of all charges at the bursar's office, must be completed by the date listed in the calendar or be

subject to the late fee.

ORIENTATION FOR FRESHMEN AND TRANSFERS

A program of lectures, social events, and registration procedures introduces new students to William Jewell College life. Residence Halls will open Sunday morning. General orientation for all students new to this college will be conducted during registration week, in accordance with the calendar.

LATE REGISTRATION

Any student who wishes to register later than five days after the dates set in the catalogue must obtain permission from the dean of the college. Students enrolling for the first time may have the privilege of registering as late as two weeks after the beginning of classes by obtaining, in addition to the dean's permission, the approval of the professors, under whom they expect to study. These provisions, however, do not cancel the extra fee for late registration or late settlement of charges.

A fee of fifteen dollars is charged for registration after the dates indicated in the college calendar. For settlement of the whole amount of charges for the semester's expenses after the indicated dates, an additional charge of five dollars is made.

SEMESTER SYSTEM

The semester system, based on the division of the academic year into two semesters of approximately eighteen weeks each, and the summer school of eight weeks, is used. Resident study during any two semesters or four summer schools is the equivalent of one academic year.

UNIT OF CREDIT

The unit of credit is the semester hour, each unit representing one hour of class work with two or more hours of preparation a week, for a period of approximately eighteen weeks.

SCHEDULE OF WORK

A normal student course program is sixteen hours a semester. Except in unusual cases, no student is allowed to take more than seventeen hours of work, unless he has an average of B or above for the previous semester, and the consent of the head of the depart-

ment in which he is a major, and of the dean. *Students who have heavy outside work schedules are strongly advised to limit the number of credit hours they carry. A heavy outside work schedule, embarked upon prior to registration, should not be offered as a reason to modify one's study schedule after registration.*

A NOTE ON COURSE PLANNING

Students are advised to read with great care the detailed statement of the academic requirements of the college in the section headed "Graduation Requirements."

Unless a different specific outline published in this catalogue is being followed, freshmen and sophomores are urged to arrange their programs in accordance with the following typical schedule. Conflicts caused by deviations from this program are not easily resolved.

| <i>Freshman Year</i> | | | |
|-------------------------------|------|-------------------------------|------|
| First Semester | | Second Semester | |
| | Hrs. | | Hrs. |
| English 115 | 3 | English 116 | 3 |
| History 101 | 3 | History 102 | 3 |
| Religion 111 | 2 | Religion 112 | 2 |
| Speech 101 | 2 | Speech 102 | 2 |
| Language, Science or Math 4-5 | | Language, Science or Math 4-5 | |
| Physical Education 101 | 1 | Physical Education 102 | 1 |
| <hr/> | | <hr/> | |
| 15-16 | | 15-16 | |
| <i>Sophomore Year</i> | | | |
| Humanities Elective | 3 | Humanities Elective | 3 |
| Social Science Elective | 3 | Social Science Elective | 3 |
| Language* | 3-4 | Language* | 3-4 |
| Science Elective* | 5 | Science Elective* | 5 |
| Free Elective* | 0-4 | Free Elective* | 0-4 |
| <hr/> | | <hr/> | |
| 15-19 | | 15-19 | |

(*Students may wish to avoid taking a 4-hour course in language at the same time they take their science requirements. See the "Classification of Courses," for work that may be taken to satisfy the directed electives.)

COURSES FOR AUDIT

Students who have an average of C or better may be allowed to audit one course, provided they have the approval of the dean of the college, the head of their major department, and the teacher of the course concerned. Courses audited require a class card for admission, and will be recorded on the student's permanent record. However, no grade will be recorded, or credit allowed at any subsequent time.

CHANGES IN COURSES

All changes in a course of study must be approved by the academic dean, and are *not allowed after the third week* from the beginning of a semester, which is calculated from *the first day of registration*. 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 *all 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 \$1 for each credit hour involved.

Any student who attends a class which is not listed on the registrar's card and without the permission of the dean will receive no credit for such work.

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

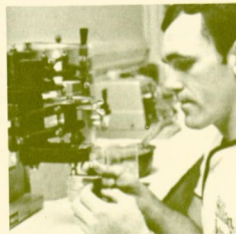
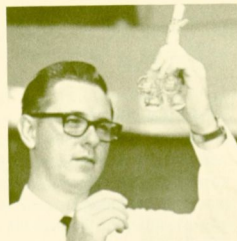
Students who desire to change their major field, once this has been formally declared, should have the concurrence of the heads of the departments concerned and the written approval of the dean before any change is made.

MINIMUM CLASS SIZE

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.



Marston Hall of science



Financial Aids

SCHOLARSHIPS

William Jewell College, through the generosity of its friends, is able to offer a number of scholarships to worthy students of high scholastic rank who would not otherwise be able to secure a college education. Scholarships are awarded by a committee of which the vice president of student affairs is chairman. Applicants for scholarships (or for grants-in-aid, which are awarded on the basis of need and academic standing) should correspond with the chairman of the financial aids committee, who will furnish the necessary application forms.

The following regulations govern the award of all scholarships:

1. Each student who receives a scholarship, grant-in-aid or ministerial grant-in-aid must be approved by the financial aids committee.
2. Scholarships and grants-in-aid are awarded for one year only. *Students wishing to be considered for renewal of aid must reapply by April 1 of the expiring year.*
3. Unless excused by the committee for unusual reasons, the

holder of a scholarship must maintain a grade point ratio of not less than 3.0. If during any semester he fails to do so, he will lose his award.

4. Excessive absences from chapel, irregular habits of class attendance, and other evidences of lack of serious purpose are sufficient to cause the withdrawal of scholarship and grant-in-aid assistance. Recipients of such aid should be aware of the trust and responsibility which they accept when they receive it. They are expected to acknowledge and demonstrate their appreciation by meeting fully the opportunities which it provides, and by exceptionable college citizenship.

5. Holders of scholarships and grants-in-aid are required to carry at least 15 semester hours of work each semester, unless excused by the committee on the recommendation of the chairman or of the dean of the college.

6. Scholarship and grant-in-aid recipients are not allowed to maintain motor vehicles unless a need is established to the satisfaction of the financial aids committee.

William Jewell College participates in the American College Testing Program. Participants in this program subscribe to the principle that the amount of financial aid granted a student should be based upon financial need. The ACT assists colleges and universities and other agencies in determining the student's need for financial assistance. Entering students seeking financial assistance are required to submit a copy of the ACT Family Financial Statement to the American College Testing Program, designating William Jewell College as one of the recipients. The ACT form may be obtained from a secondary school or William Jewell College.

If for any reason a student who is receiving financial assistance from the college should withdraw, aid is automatically cancelled, and the amount cannot be applied toward settlement of his financial obligation to the college.

ENDOWED SCHOLARSHIP FUNDS

The following funds have been placed in the charge of the trustees for investment. The income from these is used to provide scholarships.

| <i>Name</i> | <i>Principal</i> |
|-------------------------------------|------------------|
| William W. Adams | \$ 300.00 |
| W. B. Ballew (ministerial) | 1,000.00 |
| Mary Alice Barton | 11,601.90 |
| Howard Tichenor Beaver memorial | 3,692.65 |
| Blenchard Fund (ministerial) | 2,173.75 |
| James D. Borawski memorial | 155.00 |
| R. E. "Dad" Bowles scholarship fund | 3,000.00 |
| George B. Bridges memorial | 5,000.00 |
| James P. and Maude S. Bridges | 22,033.05 |
| Samuel J. Brown memorial | 90.00 |
| James M. Browning | 500.00 |
| W. P. and Cora R. Browning memorial | 87,063.83 |
| George S. Bryant | 500.00 |
| Margaret Elizabeth Bryant | 500.00 |
| Pauline Bryant | 500.00 |
| C. M. Buckner | 1,000.00 |
| C. M. Buckner memorial | 1,000.00 |
| John L. and Elizabeth Burnham | 500.00 |
| Nannie Burns | 588.13 |
| Richard A. Bywaters | 1,500.00 |
| William W. Bywaters | 500.00 |
| Emma A. Campbell | 1,000.00 |
| U.S. Campbell | 500.00 |
| J. L. Carmichael | 500.00 |
| J. C. Carter | 1,000.00 |
| Centralia (Mo.) Baptist Church | 500.00 |
| Joe L. Clarke | 15,236.04 |
| Class of 1908 | 52.92 |
| Class of 1913 | 3,000.00 |
| Ida Coffman (juniors) | 2,000.00 |
| Harriet M. Cole and Edna Cole | 700.00 |
| John A. Connett memorial | 102,678.59 |
| Edra Cox estate | 8,629.85 |
| Emmeline Willis Cromwell | 103.72 |
| William P. Crosswhite | 500.00 |
| W. A. and Martha Alice Crouch | 1,000.00 |

| | |
|---|-----------|
| Crouch Family memorial | 10,000.00 |
| Mary B. Cunningham | 38,357.64 |
| G. H. Cuthbertson memorial | 600.00 |
| Delmar Baptist Church (St. Louis) | 6,500.00 |
| James Ellis Deems and Mollie Ann (Coen) Deems memorial—Jr./Sr. | 1,000.00 |
| James L. and Ruth Downing memorial | 755.10 |
| James R. Eaton memorial award | 25,000.00 |
| Mary H. Elliott memorial | 1,000.00 |
| W. F. Elliott (ministerial) | 1,000.00 |
| C. J. Elmore | 1,490.54 |
| Benjamin and Martha Herndon Ely (juniors, competitive) | 2,000.00 |
| Frank Ely | 500.00 |
| R. C. Ely | 500.00 |
| Howard L. and Louise Emerson memorial (ministerial) | 15,000.00 |
| Donald Deppen Everett | 500.00 |
| J. Everingham | 500.00 |
| S. Fred Farrar | 500.00 |
| First Baptist Church (St. Joseph) | 1,500.00 |
| Henry W. Gilliam memorial | 1,500.00 |
| Noah M. Givan | 1,000.00 |
| Mamie West Gordon and William Syd Gordon | 5,977.87 |
| Florence Gordon Hall and William Syd Gordon | 5,977.87 |
| J. P. Graham | 500.00 |
| Graham Baptist Church (Skidmore, Mo.) | 1,500.00 |
| Cynthia A. Graves (ministerial) | 500.00 |
| Mrs. J. R. Green | 500.00 |
| John D. Green (ministerial) | 500.00 |
| Amanda E. Harbaugh | 545.77 |
| William C. Harris memorial (ministerial) | 2,412.85 |
| Johanna Nordman Herget memorial | 1,625.00 |
| John F. Herget | 1,030.01 |
| John Minor Herget memorial | 2,450.00 |

| | |
|---|----------------------|
| Cloice R. Howd memorial Humphrey | 4,132.03 1,000.00 |
| Elizabeth Price Johnson | 1,000.00 |
| Judson W. Jones memorial | 1,013.11 |
| Minetry Jones | 1,500.00 |
| Kansas City BYPU | 550.00 |
| Jennie Lee memorial | 874.64 |
| A. R. Levering (sophomores) | 2,000.00 |
| Maryville Baptist Church | 500.00 |
| Mayview Baptist Church | 500.00 |
| Thomas F. Melvin (ministerial) | 1,000.00 |
| G. T. Millen | 1,500.00 |
| William Johnson Montgomery | 500.00 |
| H. Guy and Myron Moore—Broadway Baptist Church, Fort Worth | 2,500.00 |
| James M. Motley award for a junior | 10,000.00 |
| William C. Nelson memorial scholarship Northeastern | 1,180.00 600.00 |
| Captain Bower Reynolds Patrick memorial | 1,000.00 |
| Garnett M. Peters (Clay County boys) | 5,000.00 |
| Mary Best Peters memorial (Clay County boys) | 5,000.00 |
| John B. Pew memorial fund | 637.50 |
| Mrs. Albert L. Reeves memorial | 598.50 |
| Richmond High School competitive | 1,360.00 |
| William James and Susie Ray Robinson | 7,615.00 |
| Roselle estate | 18,734.70 |
| Albert Rowell scholarship fund | 7,000.00 |
| William M. Senter | 1,000.00 |
| Catherine, Janet, John Sillers (senior competitive) | 1,500.00 |
| Stafford estate | 46,864.34 |
| Lola Wayland Stamper memorial | 25,000.00 |
| Alexander Trotter | 2,500.00 |
| Martha F. Trotter | 500.00 |
| Richard E. Turner | 1,000.00 |
| Alma Welch memorial | 38.15 |

| | |
|--|-----------|
| William Earl Widner memorial (ministerial) | 10,000.00 |
| William Earl Widner memorial | 10,000.00 |
| W. J. Williamson and Central Church of St. Louis memorial | 1,206.00 |
| John B. Wornall | 4,500.00 |
| Wyatt Park Baptist Church (St. Joseph) | 500.00 |

ARNOTE FOUNDATION SCHOLARSHIPS

The Arnote Foundation scholarships are awarded each year to eligible graduates of Clay County high schools.

THE JAMES R. EATON MEMORIAL SCHOLARSHIP FUND

In 1936, Dr. Hubert Eaton donated \$5,000 to establish a scholarship in memory of his father, Professor James R. Eaton, faculty member for forty years. In 1957, Dr. Eaton increased this to \$25,000 and the annual income, \$1,000, provides a scholarship each year to a sophomore or junior of the preceding year majoring in chemistry or physics. The income provides for all tuition, fees and other charges and board and room. The recipient is selected by a committee composed of the academic dean, dean of students, dean of women, vice president in charge of business administration, and President. The scholarship may be renewed if, in the opinion of the committee, the student merits it.

THE FARMERS INSURANCE GROUP SCHOLARSHIP

The Farmers Insurance Group has selected a number of independent colleges and universities to whom they award annually a sum of money on the basis of the length of service of their employees who are graduates of independent colleges. This grant is to be awarded to a student in the sophomore, junior or senior class, who is majoring in business administration or one of the recognized liberal arts.

THE MARSTON SCHOLARSHIP

This is for graduate study at Brown University, and is available to a William Jewell graduate upon nomination by the William Jewell College faculty. The endowment for this scholarship, which

yields about \$200 annually, is in the hands of Brown University and was founded by E. L. Marston, son of the Reverend S. W. Marston, D.D.

THE REYNOLDS FUND

J. B. Reynolds of Kansas City some years ago gave the college an endowment. This fund makes available \$4,000 per year to grant scholarships and grants-in-aid to assist worthy students preparing for the ministry and missionary service.

MINISTERIAL EDUCATION

The college provides directly for limited loans and gifts to assist worthy students preparing for the ministry and missionary service.

THE GENERAL MOTORS SCHOLARSHIP

This is from \$200 to \$2000 per year awarded on alternate years to a student entering William Jewell College. It is a competitive scholarship, and the amount given depends upon the demonstrated need of the individual who receives the award. Details may be obtained from the office of student affairs, William Jewell College. Application should be made before May 1, for the succeeding academic year.

THE DAVID GEORGE ROWLAND MEMORIAL SCHOLARSHIP FUND

This provides \$100 per year to a promising student of the college majoring in chemistry, to be selected from the junior or third year class of the preceding year.

THE CARRIE HIERONYMOUS SCHOLARSHIP

This consists of the income from a trust fund created by Miss Carrie Hieronymous of Liberty, through her will, in 1957, and is awarded to a worthy student. The amount is approximately \$200 per year.

THE IDA COFFMAN EDUCATION SCHOLARSHIP FUND

It was established by the bequest of the late Miss Coffman, and is awarded annually by the financial aids committee, upon the recommendation of the faculty of the department of education and the academic dean of the college.

THE ALUMNI ARTIST SCHOLARSHIP FUND

This was established by the department of music in cooperation with the Gamma Psi Chapter of Sigma Alpha Iota and the Kappa Mu Chapter of Phi Mu Alpha. The scholarship is awarded annually upon the recommendation of the faculty of the department of music.

THE WILLIAM C. NELSON MEMORIAL SCHOLARSHIP FUND

This was established to help finance the education of qualified William Jewell students and to encourage them to lead the type of lives exemplified by the late William C. Nelson, a 1946 graduate of William Jewell College.

THE NATIONAL COMMERCIAL BANK—RUSSELL H. STOCKSDALE SCHOLARSHIP AWARD

This is given annually to two Liberty High School seniors who enroll at William Jewell College. Selections are made by the high school administration and approved by the financial aids committee of the college.

SOUTHWESTERN BELL TELEPHONE SCHOLARSHIP

This \$1,500 scholarship is awarded annually to students selected by the college.

THE ALBERT C. BEAN SCHOLARSHIP AND LOAN FOUNDATION

This provides a \$2,000 scholarship in the amount of \$250 per semester for four years.

THE DR. SAMUEL AYRES AND MILDRED LAWSON AYRES STUDENT FUND

Students whose interests and future plans are in the fields of religion or medicine are eligible.

LOAN FUNDS

Loans to students will be granted only if application is made to the office of student affairs on or before August 15, or December 15.

ENDOWED LOAN FUNDS

The income from several memorial loan funds is available to

worthy students, within the restrictions governing each fund. These funds are as follows:

| | |
|--|-------------|
| The John E. and Emma J. Campbell memorial fund | \$ 3,500.00 |
| The E. Kemper Carter student loan fund | 5,000.00 |
| The Bryant memorial fund | 1,000.00 |
| The Belch memorial student loan fund | 11,176.57 |
| The Glenn W. Hendren student loan fund | 4,705.23 |
| The Bertha Rees Blythe memorial loan fund | 1,000.00 |
| The Donald M. Wald, M.D. loan fund | 486.83 |

REVOLVING LOAN FUND

The principal of the following funds is available for loan to worthy students within the restrictions governing each fund:

| | |
|--|-----------|
| The Winterowd student loan fund | \$ 600.00 |
| Children's Home student loan fund | 400.00 |
| Englewood Baptist Church (Chicago) student loan fund | 125.00 |
| Class of 1915 student loan fund | 400.00 |
| Miscellaneous student loan funds | 2,182.13 |
| The Allen B. Colfrey memorial fund | 355.00 |
| G. W. Wood student loan fund | 10,000.00 |

NATIONAL DEFENSE STUDENT LOAN PROGRAM

William Jewell College is one of the institutions participating in the National Defense Student Loan Program. For information, write to the vice president of student affairs.

AMERICAN BANKING ASSOCIATION— UNITED STUDENT AID FUND

A loan fund, jointly sponsored by member banks of the American Banking Association, the United Student Aid Fund, and William Jewell College, is available to all students who qualify. For details concerning the fund, students should visit their home-town banks or write the vice president of student affairs, William Jewell College.

WORK OPPORTUNITIES

Part-time employment is available to students who need a larger

amount of financial assistance. Both on-campus and off-campus employment is processed and assignments made according to ability and need. Recipients must be acceptable to both the employer and the processing officers.

The employees are ordinarily expected to work regularly each week at specified times from orientation in September until the end of final examinations at the close of the year. The normal week amounts to approximately 15 hours.

William Jewell College participates in the College Work-Study program.

Applications for employment should be made through the office of student affairs.

THE FACULTY SCHOLARSHIP AWARD

This is presented to the graduating senior with the highest scholastic average for his or her entire college career. All academic credits must have been earned at William Jewell College.

THE "DEAN'S HONOR" OF SIGMA ALPHA IOTA

This is for musicianship, scholastic attainment, and contributions to the Gamma Psi Chapter at William Jewell College and is awarded by the national fraternity.

THE FRANK B. HEARNE MEDAL IN CHEMISTRY

This is awarded annually for excellence in the study of chemistry. It is usually given to a senior, but in exceptional circumstances to other students. At the discretion of the trustees, and with the approval of the recipient, the income of this endowment (\$1,000) may be awarded in cash, as provided in the will of Mrs. Roberta Lee C. Hearne, widow of Frank B. Hearne, who attended William Jewell.

THE CECIL R. MARTIN ATHLETIC AWARD

A cash award of \$100 is given at Honors Convocation each year by Mr. Cecil R. Martin of St. Joseph, Missouri, to the outstanding athlete of the year.

THE MARION E. BRATCHER AWARD

A cash award of \$25, given by Marion E. Bratcher, D.D., is

presented annually at Honors Convocation to a student of William Jewell College who shall submit the best paper on the subject: "The Practical Qualifications for the Ministry."

THE SUSIE RAY ROBINSON POETRY AWARD

This award was endowed by William James Robinson, A.M., D.D., in memory of his wife, Susie Blanche, the youngest daughter of the late David Burcham Ray, D.D., and his wife, Marion James Ray. For particulars, consult the head of the English department.

THE JOHN E. DAVIS SIGMA PI SIGMA AWARD IN PHYSICS

This is given each year to the student who has made the highest grade for the year in general physics. The name of the student receiving the award is placed each year on a plaque which hangs in Marston Science Hall. The plaque was presented to the college and the award was first made in 1947.

THE WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD

This consists of a silver medal and one year's subscription to the *Wall Street Journal*, and is given to the highest ranking graduating senior in the department of economics and business administration.

THE DAVID ALAN DUCE AWARD

A cash award of \$25, given by Dr. and Mrs. Leonard A. Duce in memory of their son David Alan, is presented annually to a senior majoring in philosophy who has earned the highest grade in philosophy throughout his or her course.

THE JAMES B. SULLIVAN MEMORIAL

A cash award is given by the Psychology Club each year to the junior majoring in psychology who exhibits the greatest promise in the field of psychology and the highest level of scholarship and campus achievement.

THE PHI ALPHA THETA AWARD

A scholarship key is given annually to a senior member chosen on the basis of scholarship, general leadership, character, chapter activities, and a paper on a historical subject.

THE BETA BETA BETA UNDERGRADUATE AWARD

Recognition is given each year to the student presenting the best research paper in biology. The student's name is inscribed on a plaque which hangs in the biology department.

THE PHI SIGMA IOTA AWARD

This award is given each year to the senior member chosen on the basis of scholarship, chapter activities, and leadership; a paper on a subject of general interest in the Romance language field; and potential contribution to the field of Romance languages. The name of the student receiving the award is placed on a plaque, presented to the college in 1954.

THE PI GAMMA MU AWARD

A medal is given annually to a major in one of the social sciences who maintains a high scholastic record in all of his work in the social science field, and shows promise of social effectiveness.

THE JOSEPHINE JEWELL MEMORIAL AWARD

Established by Mr. Roscoe P. Jewell, of Brooklyn, New York, in honor of his mother, it recognizes students each year who have excelled in the study of French language and literature.

THE JAMES MARVIN MOTLEY ANNUAL SCHOLARSHIP AWARD

Endowed by Mr. Motley, of the class of 1901, this scholarship of \$400 is awarded to a member of the junior class who, during his freshman and sophomore years, has excelled in scholarship and character.

THE GEORGE A. ROSS MATHEMATICS AWARD

The income on \$2500 is awarded as first and second prizes to the "two outstanding students in mathematics in each graduating class."

THE SUE COOPER HELM MEMORIAL AWARD

This award, created by Charles Helm, '61, in memory of his wife, who died during her student career at William Jewell, recognizes a junior woman student who generously and unselfishly shares her life with others. The winner's name is inscribed on a plaque provided by the donor.

Credits and Grades

GRADING, EXAMINATIONS AND GRADE POINTS

1. Grades are expressed by the letters A, B, C, D, F and W. The first four letters indicate grades ranging in order from 100 percent down to 60 percent. F means failure. WP means withdrew passing, WF means withdrew failing (when a student formally withdraws from the college).

2. 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, no grade points. 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 double the number of hours attempted (an average of C).

3. The semester grade is made up by averaging the grade of class work and the grade of final examination. No second examinations are permitted because of failures, except that in the senior

year a senior may be granted one re-examination as a senior privilege.

4. College students average 16 class hours of work per week. Those carrying less than 12 hours of work per week are classified as special students and their tuition is determined by the number of semester hours for which they register. Those carrying more than 17 hours pay an additional fee per hour. According to government regulations, college students cannot be classified for selective service deferment if they are registered for less than 14 semester hours.

QUALITY OF WORK

While the College endeavors to keep students informed of their academic progress, and issues formal reports after each semester, the student must assume the obligation of maintaining an accurate current picture of his status and progress, and of keeping informed of regulations as they are stated in this catalog.

A student is expected to secure each semester at least twice as many grade points as the total number of hours for which he is registered.

Students whose overall academic average is below 2.0 are considered on academic probation.

At the end of the first six weeks of each semester, a report is made of all students who are doing unsatisfactory work in any class. The dean receives these reports and takes such steps as are advisable.

In order to remain in this college, a student must,

1. At the end of his second semester, have a minimum grade point ratio of 1.5.
2. At the end of his fourth semester, have a minimum grade point ratio of 1.75.
3. At the end of his sixth semester, have a minimum grade point ratio of 2.

CLASSIFICATION OF STUDENTS

To be classified as a freshman, a student must present at least 15 acceptable units of high school credit, as described in Requirements for Admission.

To be classified as a sophomore, a student must have earned at least 24 semester hours of college credit.

To be classified as a junior, a student must have earned at least 60 semester hours of college credit.

To be classified as a senior, a student must have earned at least 90 semester hours of credit.

HONORS

The Honor Roll for each semester will include the names of students who have carried a program of fifteen or more semester hours, who have no grade lower than C in any subject, and who have achieved a minimum grade-point ratio of 3.5 (exclusive of chapel attendance credits).

A student who completes the work for the degree with as many as 3.8 grade points for each hour attempted is graduated *Summa Cum Laude*, and this is cited with the degree. A student who completes his work with a ratio between 3.5 and 3.8 is graduated *Magna Cum Laude*, and this is cited with the degree.

Honors in academic subject areas are awarded under special conditions to be ascertained by interested students from their respective advisors.

INCOMPLETE WORK

If at the close of any semester a student's grade is reported as "incomplete," he must make up the deficiency by the end of the ninth week in the semester following the occurrence of the incomplete grade, or the incomplete becomes a grade of F, except with the approval of the dean of the college.

WITHDRAWAL FROM COLLEGE

If a student should find it necessary for any reason to withdraw from college, he must file with the registrar the regular withdrawal form, which he obtains from the office of student affairs. Otherwise, he will receive a grade of F in all his courses.

SUMMER SCHOOL CREDIT

No credit will be allowed on work taken elsewhere during the summer unless the written permission of the dean of the college is secured in advance.



Gano Chapel and auditorium



Choir on TV during 1968 European tour



Each student is expected to complete the requirements for graduation in the catalogue dated and effective the year he or she enters college. If a subsequent decision is made to follow a later catalogue, through a bona fide change in major or for other cause, the requirements in effect at that time must be met. Any student whose record is seven years old, 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 should be consulted in all cases.

William Jewell College confers two degrees, the Bachelor of Arts and the Bachelor of Science. These are awarded to students who have satisfied the entrance requirements, completed 124 semester hours of college work according to specifications given below, and earned an average of two grade points for each semester hour of work attempted.

CLASSIFICATION OF COURSES

The courses required by William Jewell College in its General Education Program are classified as follows:

- Group I. Communications:
English composition, French, German, Greek,
Latin, Spanish.
- Group II. Mathematics and Natural Sciences:
Mathematics, biology, chemistry, and physics.
- Group III. Social Sciences:
Economics, history, political science, psychology,
and sociology.

Astronomy is allowable only if other mathematics has been taken. Courses in engineering drawing, other than Descriptive Geometry, do not fulfill this block requirement.

- Group IV. Humanities:
English literature, philosophy, religion, music (except Applied Music numbered below 200 and all performing groups); Language Literature numbered 300 or above; art courses numbered 200 or above, and Humanities 201.

Graduation Requirements

Every student must choose a major subject. Upon entering college, he is assigned to a faculty member who acts as his advisor in planning his course of study. When the student has chosen his major, however, (normally by the beginning of the sophomore year) the head of the major department becomes his advisor, and confers with him in planning his course program for graduation.

Satisfactory completion (with a grade of C or higher in each course) of not fewer than twenty-four hours in the student's major subject is required for graduation. However, majors in elementary education and music education in addition will be obliged to meet certification requirements, as stated in the respective departmental listings in this catalog.

Note. Credit earned in English 115-116, Speech 101-102, Religion 111-112, and Physical Education 101-102, which are required of all students in the college, is not allowable toward satisfaction of the requirements in the major subject.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

1. Every student is required to take six semester hours of Freshman English.
2. Every student is required to take Speech 101 and 102.
3. Physical Education 101 and 102 are required. Not more than four hours of activity courses will be accepted toward graduation.
4. Religion 111 and 112 are required.
5. Each student is required to pass twelve semester hours of one foreign language or demonstrate proficiency at this level.

A placement test is required of all students presenting two units of high school language before they are permitted to continue that language. Students who present two units of high school language on admission may satisfy the language requirement by completing four semester hours of work in the same language in courses above the elementary level. The hours not thereby used in language must be used to take free electives.

Language study should be started in the freshman year, and no later than the sophomore year. Conflicts caused by postponement

later than the sophomore year are difficult to resolve. Students planning to enter graduate school are advised to take French and German.

6. Each student must complete twelve semester hours from Group II, Mathematics and Natural Sciences, selected from at least two departments.

7. Each student must complete twelve semester hours from Group III, Social Sciences, selected from at least two separate fields.

8. Each student must complete twelve semester hours from Group IV, Humanities, selected from two separate fields, in addition to four hours of Bible history and including at least three hours of literature.

9. The maximum amount of credit toward graduation that a student may receive in one subject-matter field for the B.A. degree is forty semester hours. All other work necessary to make 124 semester hours for graduation is elective.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

Students majoring in music, elementary education, business administration, and physical education may elect to fulfill the requirements for a Bachelor of Science degree as follows:

1. Every student is required to take English 115-116.
2. Every student is required to take Speech 101-102.
3. Physical Education 101-102 are required. Not more than four hours of activity courses will be accepted toward graduation, except for those students majoring in physical education.
4. Religion 111-112 are required.
5. Each student must complete nine semester hours from Group II, Mathematics and Natural Sciences, selected from at least two departments.
6. Each student must complete twelve semester hours from Group III, Social Sciences, selected from at least two separate fields.
7. Each student must complete nine semester hours from Group IV, Humanities, selected from two separate fields, in addition to four hours of Bible history and including three hours of literature.
8. The maximum amount of credit toward graduation that a

student may receive in one subject-matter field for the Bachelor of Science degree is sixty semester hours. All other work necessary to make 124 semester hours for graduation is elective. Each student expecting to graduate with a B.S. degree should check with the head of department for major requirements.

GENERAL REQUIREMENTS

1. Each senior is required to pass a comprehensive examination in his major field.

2. By the end of registration week in the first semester, or at the time of summer school registration, each student who expects to graduate at the following commencement must file with the registrar an "Application for Graduation."

3. Each student must pass the Upper Class English Examination before graduation, except as indicated in the following *Note*. This examination should be taken the second semester of the second year in residence. If it is not passed at that time, it may be taken again the following year, provided that in the meantime appropriate remedial work has been taken, normally without credit. If this examination is not passed the second time it is taken, the student should not continue in college with the expectation of graduating from William Jewell. This includes transfer students, who should consult the registrar about the time they should take this examination.

NOTE. Students who have successfully passed both semesters of Freshman English at this institution with grades of B, or higher, will not be required to take this examination, unless reported by their professors to be submitting writing of inferior quality in the written obligations of their other college subjects.

4. Any senior who has completed all requirements for graduation with his class except eight semester hours of elective credit or less may, with the permission of the dean, do this work *in absentia*. This may be done by correspondence from a reputable institution, or in residence in a college or university of recognized standing. Such a student may participate only in the graduating exercises of the class following the completion of the work. The last year's work for graduation (minimum 30 semester hours) must be done in residence at William Jewell, except as here provided.

However, a student who has completed in William Jewell College the required work for graduation may, with the approval of the dean in advance, finish the work for the Bachelor's degree by one year of satisfactory work done in a professional school of recognized standing. This privilege will not be granted to a student of low scholastic ability, or to one having more than a normal year's work to complete for graduation.

5. A student who completes 124 hours or more with a grade point average below 2.0 may, with permission, attempt not more than one additional semester of work in an effort to raise his average to the required minimum for graduation.

6. The college will not accept for graduation work done by correspondence from any institution except one of high standing, having a regularly organized correspondence department, and then for no more than ten semester hours. No credit will be allowed by correspondence toward a major except by the prior consent of the head of the department and approval of the dean. A maximum of thirty semester hours of correspondence and extension work combined will be accepted.

No student may receive credit for correspondence or extension work while enrolled at William Jewell College, nor will correspondence or extension credit be accepted by transfer from a student which he has taken while enrolled in another institution.

PREPARATION FOR SPECIAL FIELDS

William Jewell College is committed to a liberal arts education. The college recognizes the fact, however, that some students will wish to select courses with a view to preparation for some special field or profession. For these persons, some suggestions are offered in the following paragraphs:

ARTS AND SCIENCES (Graduate Study)

As William Jewell College is fully accredited by the North Central Association of Colleges and Secondary Schools and approved by the Association of American Universities, its graduates may continue their work with full credit in graduate schools. Students who expect to attend graduate schools must, however, have superior academic records.

The student is advised to study the catalog of the graduate school that he expects to attend, to plan his course of study to meet the special requirements of the specific school. The student's major professor should be consulted in planning a program of studies leading to graduate work.

BUSINESS

Many students are interested primarily in business administration. The aim of the department of economics and business administration is to offer opportunities for both general and professional training in the fields. A further aim is to equip students with a well-rounded knowledge of the dynamic character of economic society and the responsibilities that are placed upon men and women in the field of business. This gives the student a wide perspective for specific training in a particular business after graduation or for graduate study.

DENTISTRY

The general course requirement for entrance into a college of dentistry is at least three full years of work in an accredited college of liberal arts, comprising not less than 90 semester hours. The quality of the student's scholastic record must be good.

The student should consult the catalog of the school he plans to enter. However, the required courses usually include English, 6 to 8 hours; zoology, 8 hours; physics, 8 hours; inorganic chemistry, 10 hours; and organic chemistry, 5 hours.

Other subjects should include courses intended to broaden the intellectual background of the student, an important factor in professional life. Recommended elective subjects include advanced courses in English, history, foreign language, psychology, economics, philosophy, sociology, and political science.

ENGINEERING

William Jewell College is one of a limited number of liberal arts colleges which have entered into an agreement with Columbia University to participate in a combined plan whereby the student may, by spending three years in college—in residence—and two years in the Columbia University School of Engineering, receive

the A.B. degree and the B.S. degree in engineering upon the completion of his work.

William Jewell College has also entered into a "three-two" plan of engineering with the University of Missouri at Columbia and Rolla, whereby the student spends three years in residence at William Jewell College, and two years at the engineering school, thereafter receiving the William Jewell A.B. and the appropriate engineering degree. For details, write Director of Admissions, Dept. ES, at this college.

Students who expect to receive an A.B. degree before entering an engineering school should major in physics, chemistry, or mathematics, their choice depending upon the type of engineering school in which they propose to complete their studies.

The following program should be followed by students who expect to spend three years at William Jewell College, and two years in an approved school of engineering. Since the semester-hour load is unusually heavy, students are advised to plan their work very closely with Dr. Wallace Hilton, who is the official advisor.

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PRE-ENGINEERING PROGRAM OF STUDIES

For students intending to complete professional study at Columbia University, New York, N.Y., or University of Missouri, Columbia, or Rolla.

| | Freshman | | |
|-------------------------|-----------|-------------------------|-------|
| | Hrs. | Second Semester | Hrs. |
| <i>First Semester</i> | | | |
| Chemistry 101 | 4 | Chemistry 102 | 5 |
| Mathematics 199 | 5 | Mathematics 200 | 5 |
| English 115 | 3 | English 116 | 3 |
| Speech 101 | 2 | Speech 102 | 2 |
| Engineering Drawing 105 | 2 | Engineering Drawing 204 | 2 |
| Physical Education 101 | 1 | Physical Education 102 | 1 |
| | <hr/> | | <hr/> |
| | 17 | | 18 |
| | Sophomore | | |
| Mathematics 201 | 3 | Mathematics 332 | 3 |
| Physics 213 | 5 | Physics 214 | 5 |
| Foreign Language | 4 | Foreign Language | 4 |
| Social Sciences | 6 | Humanities Elective | 3 |
| | <hr/> | American History | 3 |
| | | | <hr/> |
| | | | 18 |

Junior

| | | | |
|------------------|-------|--------------------------|-------|
| Physics 443 | 3 | Mathematics 330 | 3 |
| Physics 323 | 3 | Physics 316 | 3 |
| Foreign Language | 4 | Humanities (Literature) | 3 |
| Religion 111 | 2 | Religion 112 | 2 |
| Humanities | 6 | Math or Physics elective | 3 |
| | <hr/> | Social Science | 3 |
| | 18 | | <hr/> |
| | | | 18 |

FORESTRY

William Jewell College, in cooperation with the School of Forestry of Duke University, offers a 5-year coordinated program in forestry, 3 years at William Jewell and 2 years at Duke University, leading to the Bachelor of Arts degree at William Jewell and the Master of Forestry degree at Duke. This combines a sound education in the liberal arts with early acquaintance and development in the profession. Applicants for this Liberal Arts-Forestry program should so indicate at the time of enrollment in college. Formal application to Duke University will be made at the end of the first semester of the third year, contingent upon the student's maintaining a high scholastic standing. For details of the pre-forestry curriculum see Dr. Burdette Wagenknecht of the department of biology, so that all course requirements may be fulfilled.

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JOURNALISM

Courses needed for admission to professional schools of journalism usually include the following:

- Freshman English — 6 hours
- Literature — 6 hours, including 3 hours of British literature
- Biological or physical science, with lab — 4 or more hours
- Foreign language — completion of the intermediate (3rd semester) course required; four semesters preferred.
- Economics — 3 hours
- Political Science (American Government) — 3 hours
- Sociology — 3 hours

LAW

The recommendation of the American Bar Association is that students expecting to enter an accredited law school should pursue

their 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. Recommended are courses in English and speech, Latin, mathematics, logic, debate, history and government, economics and accounting, sociology, biology, and psychology. There is considerable latitude in choice of subjects. Intensive application and a high level of attainment are important, with a grade of B or better.

By special invitation, the faculty of William Jewell College is authorized to nominate an outstanding pre-legal student each year for a full tuition scholarship in the School of Law at Washington University in St. Louis. For information, interested persons should consult the dean of the college.

MEDICINE

Students planning to study medicine should consult the catalog of the medical school which they expect to attend, to have all pre-medical requirements fulfilled. The number of years of premedical work required before the study of medicine 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: Latin, English literature, psychology, economics, sociology, philosophy, history. Some schools require in addition a reading knowledge of French or German.

Admission to medical school is based on the medical aptitude test, scholastic record, and recommendations from the professors. No student can expect to be admitted to a medical school who does not maintain a high scholastic record.

MEDICAL TECHNOLOGY

In cooperation with the Baptist Memorial Hospital of Kansas City and North Kansas City Memorial Hospital of North Kansas City and the approval of the College, William Jewell College of-

fers a four-year course 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 at either of the two hospitals. 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.

RADIOLOGICAL TECHNOLOGY

In cooperation with the North Kansas City Memorial Hospital of North Kansas City and the approval of the College, William Jewell College offers a four-year course leading to a Bachelor of Science degree and registration as a Radiological Technician. The first three years are spent in residence at William Jewell College and the fourth year is spent at the hospital. Upon satisfactory completion, students may take the National Registry Examination given by the American Society of Radiological Technologists.

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 man in written and oral expression.
 2. The aim of the study is to acquaint the student with some of the ideas that have influenced modern civilization and which will guide the student in evaluating life situations.
 3. The college work of a pre-seminary student should result in an acquaintance with the world in which he lives. It will show the relationship of the physical sciences and Biblical revelation.
 4. The college work of a pre-seminary student should stimulate research, independent inquiry and the formulation of ideas into cogent expression. At least one discipline should be explored in sufficient depth to give the student a sense of mastery and achievement in his study.

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

II. Subjects in pre-seminary study

1. The general requirements for all students shall be met. These are listed on page 49 of this catalog.
2. Eighteen hours of social studies are recommended. At least six hours from each of three of these disciplines are advised. The hours taken in one of these disciplines may also count toward a major in that discipline. The fields of study recommended are history, sociology, psychology, political science, economics.
3. Twenty-nine hours of studies in humanities are recommended. The hours taken in one of these disciplines may also count toward a major in that discipline. The subject distribution should be as follows:

| | |
|------------------------|---------|
| Philosophy | 9 hours |
| Music | 5 hours |
| English and literature | 6 hours |
| Religion | 9 hours |

4. Recommended areas of major concentration are
- | | | |
|---------|------------|-----------|
| English | Psychology | Sociology |
| History | Philosophy | Speech |
| | Religion | |

III. General information

1. All pre-theological students are to be advised by the chairman, department of religion, throughout their course of study. When a major other than religion is chosen, a joint program of advisement will be undertaken with the chairman of the department of major study advising in academic matters pertaining to the major.
2. Students desiring continuation of their Church-Related Vocation tuition concession are advised to see the chairman, department of religion, about their academic program at each registration period.



Memorial Library



Curriculum

The College reserves the privilege of adding courses, or of omitting courses for which demand is insufficient to justify their being offered.

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 The Printed Sheet Distributed At The
Beginning Of Each Semester*

MAJORS OFFERED

| | |
|-------------------------|--------------------|
| Biology | Mathematics |
| Business Administration | Music |
| Chemistry | Philosophy |
| Economics | Physical Education |
| Education | Physics |
| English | Political Science |
| French | Psychology |
| German | Religion |
| Greek | Sociology |
| History | Spanish |
| Latin | Speech |

ART

Major: Thirty semester hours.

- | | |
|---|------------|
| 101. Drawing. | 3 cr. hrs. |
| Training in the fundamentals of drawing. Techniques of the drawing media. Prerequisite to all art courses. | |
| 102. Advanced Drawing. | 3 cr. hrs. |
| The use of various drawing media, with the emphasis on figure, still life and landscape. | |
| 201. Two Dimensional Design. | 3 cr. hrs. |
| The study of the fundamentals of composition, color, line, using various materials. | |
| 202. Three Dimensional Design. | 3 cr. hrs. |
| The use of man-made and natural materials. | |
| 301. Oil Painting and Painting Techniques. | 3 cr. hrs. |
| Training in the basic fundamentals of oil painting, with emphasis on painting techniques. | |
| 302. Advanced Oil Painting. | 3 cr. hrs. |
| Advanced study, with emphasis on landscape and still life, with field trips to the Nelson Gallery in Kansas City. | |
| 308. Watercolor. | 3 cr. hrs. |
| The introduction of various materials of watercolor (i.e.) transparent watercolor, acrylic casein, and gouache. | |
| 309. Sculpture. | 3 cr. hrs. |
| The basic fundamentals, utilizing materials such as wood, metal and plaster. | |

310. Printmaking (Serigraph). 2 cr. hrs.
Introduction to the basic fundamentals of silkscreen. Laboratory studio exercises dealing with principles of silkscreen printing as applied to fine arts. Drawing 101 prerequisite, or consent of instructor.
311. Printmaking (Woodcut). 2 cr. hrs.
Introduction to the fundamentals of woodcut. Dealing in all aspects of woodcut in the studio as applied to the fine arts. Drawing 101 prerequisite, or consent of instructor.

BIOLOGY

Major: Thirty-six hours. The following courses are required: Biology 107, 108, 231, 328, 333 or 335, 341, 346, 403, 404, 408, at least eight hours of chemistry, and six hours of physics.

Biology 107-108, or equivalent, is prerequisite to all other courses in biology. Students who have not made C's or higher in these courses will not be encouraged to continue.

- 107, 108. General Biology. 3 cr. hrs.
An introduction to the fundamental scientific and biological principles and materials as related to everyday life and thought. Both semesters, continuous.
221. General Bacteriology. 5 cr. hrs.
Fundamental principles of bacteriology. Prerequisite, chemistry. First semester.
226. Invertebrate Zoology. 5 cr. hrs.
A course affording an opportunity to become acquainted with representative invertebrate animals. Second semester.
231. General Botany. 5 cr. hrs.
A study of the anatomy and physiology of the seed plants and a preview of the plant kingdom. First semester.
239. Human Anatomy and Physiology. 4 cr. hrs.
A study of the structure and the functions of the human body. First semester.
251. Entomology. 3 cr. hrs.
A course dealing with the structure, classification, and economic relationships of the major groups of insects. First semester.
321. Microtechnique. 2 cr. hrs.
The collection and preparation of biological materials; training in photomicrography. First semester.

324. Embryology. 4 cr. hrs.
A study of the embryological development of vertebrates. Alternate years. Prerequisite, consent of instructor. Second semester, by arrangement.
325. Histology. 3 cr. hrs.
A study of the microscopic structures of animal tissues and organs. First semester.
328. Principles of Taxonomy. 1 cr. hr.
Lecture course covering rules of nomenclature, basis for classification, and making of identification keys. Second semester, by arrangement.
333. Plant Taxonomy (Formerly 401). 3 cr. hrs.
A study of the local flora. Prerequisite: Biology 328. By arrangement, either semester.
335. Animal Taxonomy (Formerly 402). 3 cr. hrs.
A study of local fauna. Prerequisite or co-requisite: Biology 328. Given by arrangement.
341. Human Physiology. 4 cr. hrs.
A study of the physical and chemical workings of the human body. This course presupposes some previous knowledge of chemistry and physics. Offered 1968-69. Second semester.
342. Comparative Anatomy. 4 cr. hrs.
A comparative study of the systems and organs of selected vertebrate animals. Offered 1969-70. Second semester.
346. Genetics. 3 cr. hrs.
A study of the laws and theories of heredity, with emphasis on human inheritance. Second semester, by arrangement.
403. History and Literature of Biology. 1 cr. hr.
First semester.
404. Biometry. 1 cr. hr.
Application of statistical methods to agriculture, biological research and medicine. Second semester.
405. Recent Advances in Biology. 1 cr. hr.
A seminar. First semester.
407. Problems in Biology. 1 to 3 cr. hrs.
Opportunity for the senior major to do advanced work on some phase of biology. Prerequisite: consent of head of department. Each semester. By arrangement.

408. Introduction to Ecology. 4 cr. hrs.
Study of the factors governing the relationships between flora, fauna, and environments. Prerequisite: senior biology major or consent of instructor. Second semester, by arrangement.

GEOLOGY

201. Earth Science. 4 cr. hrs.
An introductory laboratory course in the structure and origin of the earth, designed to meet the earth science requirement for teacher certification. Prerequisite: one year of laboratory science. First semester.

CHEMISTRY

The James Andrew Yates Department of Chemistry

- 101, 102. General Chemistry. 4 cr. hrs. first semester,
5 cr. hrs. second semester

An introductory course in chemistry, based on the systematic development of principles and concepts which are considered basic to the field of chemistry. Three lectures and one 3-hour laboratory period per week for Chemistry 101. Three lectures and two laboratory periods per week for Chemistry 102.

105. Fundamental Chemistry. 5 cr. hrs.

A study of some fundamental principles of chemistry, including atomic structure, chemical bonding, states of matter, acid-base theory, equilibrium, thermodynamics, kinetics. Laboratory work is qualitative and quantitative in nature. Three lectures and two 3-hour laboratory periods per week. First semester.

206. Analytical Chemistry. 4 cr. hrs.

Classical methods of quantitative analysis taught from a physical point of view. Calibration techniques and statistical interpretation are included. Theory and problems are emphasized strongly. Prerequisite: Chemistry 105, or consent of instructor. Second semester, two lectures and three 3-hour laboratory periods per week.

- 301, 302. Organic Chemistry. 5 cr. hrs. per semester

A discussion of the important classes or organic compounds in the aliphatic and aromatic series, including their preparation, reactions, and mechanisms of reactions. First semester, four lectures and one 3-hour laboratory period per week. Second semester, three lectures and two 3-hour laboratory periods per week.

306. Advanced Analytical Chemistry. 4 cr. hrs.

Instrumentation and interpretation of data obtained through the use of

instruments in the areas of spectroscopy, electrochemistry, and chromatography are studied. Prerequisite: Chemistry 206. Second semester, two lectures and two 3-hour laboratory periods per week.

- 401, 402. Physical Chemistry. 4 cr. hrs. each semester

A study of quantum theory, statistical mechanics, thermodynamics, gases, solids, liquids, solutions, kinetics, electrochemistry, spectroscopy, etc. Prerequisites: Chemistry 306 (or consent of the instructor) and Calculus. Differential Equations is strongly recommended. First and second semester, three lecture-recitation periods and one 3-hour laboratory period per week.

403. Advanced Organic Chemistry. 3 cr. hrs.

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

407. Qualitative Organic Analysis. 3 cr. hrs.

A study of the characteristic chemical reactions of compounds containing elements commonly present in organic compounds and the determination of their classification and identity from qualitative reactions. First semester, one lecture and two 3-hour laboratory periods per week.

- 410a, 410b. Introduction to Chemical Literature and Research.

1 to 3 cr. hrs. each semester

Only those students who show promise of doing graduate study in chemistry are admitted to this course. The student selects a research problem, which requires the approval of the staff member directing the research, upon which he spends a minimum of 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.

ECONOMICS AND BUSINESS ADMINISTRATION

Economics and business administration are closely related fields, and students preparing for a business career will normally take a substantial amount of work in both fields. As many as 46 hours in the two fields together may be counted toward the 124 hours required for graduation.

ECONOMICS

Major: At least 24 hours, including Economics 101 and 102, and Business Administration 211. In addition, the student will usually be expected to include Business Administration 216 (Statistical Methods) and Economics 201, 202, and 302.

101. Principles of Economics I. 3 cr. hrs.
Description of institutions and analysis of operation of the system of production and distribution, the Federal Reserve System, national income, fiscal and monetary policy. First semester.
102. Principles of Economics II. 3 cr. hrs.
The prices of factors and products, international trade and finance, current economic problems. Second semester. Economics 101 is not prerequisite to this course.
201. Microeconomics. 3 cr. hrs.
Prices and resource allocation. Prerequisite: Economics 102.
202. Macroeconomics 3 cr. hrs.
National income and product accounting, the level of economic activity, fiscal and monetary theory and policy. Prerequisite: Economics 101. Second semester.
302. Money and Banking. 3 cr. hrs.
History and structure of the banking system, objectives and instruments of monetary policy, current monetary issues. Prerequisite: Economics 101.
311. Marketing. 3 cr. hrs.
A study of the institutions, channels, and functions involved in the distribution of goods. First semester.
318. Public Finance. 3 cr. hrs.
The American tax system as it affects employment, economic efficiency, distributional equity, and economic growth. Prerequisites: Economics 101, 102, or consent of instructor. Second semester.
342. Comparative Economic Systems. 3 cr. hrs.
Economic problems and their solutions in the US, USSR, and Britain. Second semester 1969-70.
451. History of Economic Thought. 3 cr. hrs.
Reading and research about the great economists. First semester.
452. Seminar in Economics. 1-3 cr. hrs.
Research on current economic problems. Second semester.

BUSINESS ADMINISTRATION

Major, Bachelor of Arts Degree: At least 24 hours, including Economics 101 and 102, and Business Administration 211, 212, and 321, and (unless specifically exempted by the head of the department) Business Administration 216 (Introduction to Statistics).

Bachelor of Science Degree: A minimum of not less than 40 hours and maximum of not more than 60 hours in business administration, economics, and related fields. Individually planned programs must be worked out and approved by the department head. See General Degree Requirements, pp.—

211. Accounting I. 3 cr. hrs.
Double entry recording, using accounting information, preparation of statements. First semester.
212. Accounting II. 3 cr. hrs.
Accounting for partnerships and corporations, manufacturing accounting, home office and branches, voucher system. Prerequisite: 211.
216. Introduction to Statistics. 3 cr. hrs.
(See: Statistics 216 — mathematics department.)
231. Business Law I. 2 cr. hrs.
Contracts, agency, employment, negotiable instruments. First semester.
232. Business Law II. 2 cr. hrs.
Corporations, partnerships, sales, bailments, real and personal property. Second semester.
301. Personnel Administration. 3 cr. hrs.
Staffing, selecting, placing, motivating employees, organizing the work group, labor management relations. First semester.
312. Corporation Finance. 3 cr. hrs.
Financial instruments and institutions, initiating corporations, mergers and other combinations, receivership and dissolution. First semester.
316. Investments. 3 cr. hrs.
Selection of securities, investment timing, market operation, portfolio supervision. Second semester.
321. Business Management. 3 cr. hrs.
Basic concepts, managerial functions, planning, organizing, directing, and controlling business operations. First semester.
322. Cost Accounting. 3 cr. hrs.
Analysis and control of production and distribution costs. Selection and

use of cost control systems. Second semester. Will be offered 1969-70. Prerequisites: 211, 212.

331. Financial and Valuation Accounting. 3 cr. hrs.
Basic accounting theory; financial statements; corporation stocks and bonds and their valuation; cash; receivables, classification and valuation; inventory valuation and pricing methods; funds. Alternate years. First semester 1968-69. Prerequisites: 211, 212.
332. Financial and Valuation Accounting II. 3 cr. hrs.
Acquisition, use, retirement, depreciation of plant assets; revaluations; intangibles; long-term liabilities; stockholders' equity, paid-in capital and retained earnings; correction of errors; analysis of statements. Alternate years. Second semester 1968-69. Prerequisites: 211, 212.
333. Specialized Accounting. 3 cr. hrs.
Accounting for partnerships, joint ventures, installment sales, consignments, home office and branches; consolidated statements. Alternate years. First semester 1969-70. Prerequisites: 211, 212.
335. Auditing. 3 cr. hrs.
Examination of financial condition and accounting procedures by public accountants and internal auditors; professional ethics; auditing standards; working papers and reports. Alternate years. Second semester 1969-70. Prerequisites: 211, 212.
336. Income Tax Procedures. 3 cr. hrs.
Laws and regulations, determination of taxable income, deductions, exclusions; making and filing returns. Alternate years. Second semester 1969-70. Prerequisites: 211, 212.
- (The following courses may be accepted toward degrees in business administration on the advice of the student's major advisor.)
306. Psychology.
(See Psychology 306)
304. Mathematics
(See Mathematics 304)
335. Mathematics
(See Mathematics 335)

EDUCATION

Major in Secondary Education. William Jewell College does not offer a formal major in secondary education. It urges students who plan to teach in the public school system (secondary grades) to major in the academic field of their choice, and to take the professional education courses required by the particular state certifica-

tion office as electives. The professional requirements of the several states are so varied that only those of Missouri are reproduced here. Professor Thurston Isley, head of the department of education, should be consulted in all cases.

MISSOURI SECONDARY CERTIFICATE REQUIREMENTS (effective July 1, 1970).

- I. General Requirements for Secondary Teachers
- A baccalaureate degree from a college or university accredited for teacher education.
 - Completion of the appropriate college credits for certification in the subjects or fields in which the teacher wishes to teach.
 - Completion of at least 40 semester hours of general education, including credits from at least three of the following fields:

| | | |
|----------------|------------------|-------------|
| English | Natural science | Mathematics |
| Social studies | Foreign language | Humanities |
 - Must have recommendation of designated official for teacher education in the college or university.

- II. Professional Requirements — A minimum of 18 semester hours in professional education courses as follows:

- The Pupil (Educational Psychology, Adolescent Psychology, Growth and Development, etc.) 4-5 cr. hrs.
- The School (History or Philosophy of Education, High School Administration, High School Curriculum, Tests and Measurements, etc.) 2-3 cr. hrs.
- Secondary Methods or Techniques 4-5 cr. hrs.
*(Special Techniques is often included in 8 to 10 hours student teaching)
- Student Teaching in Secondary Schools 5 cr. hrs.
(Minimum block time — ½ day for not less than 8 weeks, or full day for not less than 5 weeks, or the equivalent.)

- III. Requirements in the various teaching fields (semester hours)

| A. ART | Grades 7-12 | Grades 1-9 |
|---|----------------|---------------|
| 1. Design | 8 | 6 |
| 2. Painting and drawing | 8 | 6 |
| 3. Elective art credit (may include Art for Elementary) | 14 | 7 |
| ** Art for Elementary Grades | — | 2 |
| TOTAL | 30 | 21 |

** (If there is credit in Art for elementary grades, the certificate will be issued grades 1-12.) In such fields as art, music and P.E., if the certificate is to read "Grades 1-9" or "1-12," a course in the area of child growth and development, or child psychology, as well as the professional content course as listed, will be required.

B. ENGLISH

| | Grades 7-12 | Grades 7-9 |
|---|----------------|---------------|
| 1. Composition, rhetoric, grammar, linguistics, etc. (To include a course in advanced composition) | 12 | 9 |
| 2. American literature | 5 | 5 |
| 3. English literature and/or world literature | 5 | 5 |
| 4. Problems of teaching reading in secondary schools | 2 | 2 |
| 5. Elective English credit (speech, dramatics, journalism, etc.) | 6 | — |
| TOTAL | 30 | 21 |

C. SPEECH AND DRAMATICS

| | Grades 7-12 | Grades 7-9 |
|---|----------------|---------------|
| 1. Composition, rhetoric and grammar (To include a course in advanced composition) | 8 | 5 |
| 2. Speech and dramatics | 18 | 12 |
| 3. Elective English and speech credit | 4 | 4 |
| TOTAL | 30 | 21 |

D. FOREIGN LANGUAGE (Grades 7-12) — 30 cr. hrs. in foreign language, including 24 cr. hrs. in language taught, or 24 cr. hrs. in one language, plus two or more high school units in a foreign language.

(Grades 1-9) — 21 cr. hrs. in foreign language, including 18 cr. hrs. in the language taught, or 18 cr. hrs., plus two or more high school units in a foreign language.

E. GUIDANCE AND COUNSELING — Permanent teacher's certificate and special courses required for approval by State Director of Guidance Services.

F. MATHEMATICS

| | | | |
|----------------|----|---------------|----|
| Grades 7-12 | 30 | Grades 7-9 | 21 |
|----------------|----|---------------|----|

Mathematics
(At least 10 semester hours of mathematics above beginning calculus)

G. MUSIC

| | | | |
|----------------|--|---------------|--|
| Grades 7-12 | | Grades 1-9 | |
|----------------|--|---------------|--|

| | | | |
|--|----|--|----|
| 1. Instrumental (band-orchestra) | | | |
| a. Theory, including ear training, sight singing and dictation | 8 | | 6 |
| b. Conducting | 2 | | 2 |
| c. Piano | 6 | | 4 |
| (1) d. Instruments, other than piano or organ | 8 | | 4 |
| e. Elective music credit (may include music for elementary) | 12 | | 6 |
| (3) Music for elementary grades | | | 2 |
| TOTAL | 36 | | 24 |
| 2. Vocal (glee club-chorus) | | | |
| a. Theory, including ear training, sight singing and dictation | 8 | | 6 |
| b. Conducting | 2 | | 2 |
| c. Piano | 6 | | 4 |
| (2) d. Voice (applied or choral techniques) | 8 | | 4 |
| e. Elective music credit (may include music for elementary) | 12 | | 6 |
| (3) Music for elementary grades | | | 2 |
| TOTAL | 36 | | 24 |
| 3. Instrumental and vocal | | | |
| a. Theory, including ear training, sight singing and dictation | 8 | | 6 |

| | | |
|---|-----------|-----------|
| b. Conducting | 2 | 2 |
| c. Piano | 6 | 4 |
| (2) d. Voice (applied or choral techniques) | 8 | 4 |
| (1) e. Instruments, other than piano or organ | 8 | 4 |
| f. Elective music credit (may include music for elementary) | 8 | 6 |
| (3) Music for elementary grades | | 2 |
| TOTAL | <u>40</u> | <u>28</u> |

- (1) Must include credit in band and/or orchestra
 (2) If there is credit in music for elementary grades, the certificate will be issued grades 1-12
 (3) If there is credit in music for elementary grades, the certificate will be issued grades 1-12

In such fields as art, music and P.E., if the certificate is to read "Grades 1-9" or "1-12," a course in the area of child growth and development, or child psychology, as well as the professional content course as listed, will be required.

H. HEALTH AND PHYSICAL EDUCATION

| | Grades 7-12 | Grades 1-9 |
|--|----------------|---------------|
| 1. Health education, hygiene, first aid, anatomy, physiology, dental hygiene, etc. | 10 | 8 |
| 2. Theory Courses, sports, rhythms and games | 8 | 4 |
| 3. Coaching major or minor sports | 6 | 4 |
| 4. Elective physical education credits (may include physical education for elementary) | 6 | 3 |
| Physical education for elementary grades | | 2 |
| TOTAL | <u>30</u> | <u>21</u> |

In such fields as art, music and P.E., if the certificate is to read "Grades 1-9" or "1-12," a course in the area of child growth and development, or child psychology, as well as the professional content course as listed, will be required.

Note: Teachers certificated to teach biology may be certificated to teach health if they have 10 hours in zoology, anatomy, and bacteriology, and 10 hours in health education or physiology.

I. SCIENCE — Grades 7-12

| | |
|--|---------------|
| 1. Chemistry — 30 in science, including 20 in chemistry | Grades 7-9 |
| 2. Physics — 30 in science, including 20 in physics | 4-5 |
| 3. Biology — 30 in science, including 20 in biological science | 8-10 |
| 4. Science 7-8-9 | 4-5 |
| a. Chemistry | 4-5 |
| b. Physics | 4-5 |
| c. Biology | 8-10 |
| d. Earth science | 4-5 |
| TOTAL | <u>21</u> |

J. SOCIAL STUDIES

| | Grades 7-12 | Grades 7-9 |
|---|----------------|---------------|
| 1. American history | 8-10 | 5 |
| 2. European or world history . | 8-10 | 5 |
| 3. U.S. and/or state government | 5 | 3 |
| 4. Economics | 3-5 | 3 |
| 5. Sociology | 3-5 | |
| 6. Geography | 3-5 | 3 |
| 7. Elective social studies credit | 0-10 | 2 |
| TOTAL | <u>40</u> | <u>21</u> |

EXTENDED CERTIFICATES

Teachers who are permanently or temporarily certificated as secondary teachers may be granted additional subject matter certification in departmentalized grades 7-9 when standards have been fully met in the new subject matter area in which the certificate is to be extended.

NOTE: Approval procedures of the North Central Association of Colleges and Secondary Schools require that teachers in approved secondary schools in the region shall have completed "at least 18 semester hours of course work in the field of professional teacher education." (NCA Policies and Criteria.)

ADMISSION AND RETENTION REQUIREMENTS FOR STUDENTS IN TEACHER TRAINING PROGRAMS

For secondary education: Students who wish to take courses designed to qualify them for certification in any state are expected to meet certain standards and follow the procedures listed below:

Procedures:

1. Students should apply to Professor Thurston Isley for entrance into the teacher training program as early as possible in their college careers. If they have not declared their intention to be certified prior to enrollment in Educational Psychology, they are asked then to complete a registration form.
2. Students must apply in writing to Professor Isley at the beginning of the second semester of their junior year for approval to enroll in Student Teaching.

Standards:

1. The committee on student teaching* authorizes approval of students for student teaching on the basis of all of the following: a battery of tests, a health examination, emotional maturity, character evaluations by members of the faculty, approval of the department of the secondary school subject area in which the student plans to teach, and a grade point ratio.** (In cases which are demonstrably exceptional and in which slightly lower grade standing is favorably balanced by other important considerations, occasional minor exceptions may be made by the committee.)
2. Students who do not meet these requirements will not be permitted to register in the necessary courses, and those who fail to maintain the required standards will not be recommended to the state certification officer for certification.

Major in Elementary Education: Psychology 212, ***329, ***Education 201, 202, 306, 322, 327, and 412. Those students who plan to teach kindergarten should take 205. Students who earn a major in elementary education are expected at the same time to meet requirements for teacher certification. See requirements for certification below.

By the end of the sophomore year, elementary education majors are expected to have earned a grade point ratio of 2.5 or higher in all courses. (In cases which are demonstrably exceptional and in which slightly lower grade standing is favorably balanced by other important considerations, slight exceptions may be made by the committee on teacher training.)

Students must apply in writing to Professor Lutie Chiles, director of elementary education, during the second semester of their junior year for approval to enroll in student teaching. The committee on student teaching authorizes approval of such students whom it finds suitable on the basis of grades, test scores, health examination, emotional maturity, and evaluation by teachers.

- *The committee on student teaching consists of the following: dean of the college, vice president in charge of student affairs, head of the education department, members of the education department, heads of other departments.
- **Students are expected to have a gradepoint ratio of 2.5 in all work taken in their major field through the junior year and in all courses taken in education.
- ***Psychology 211 is prerequisite to these courses.

MISSOURI ELEMENTARY CERTIFICATE REQUIREMENTS

I. GENERAL REQUIREMENTS FOR ELEMENTARY TEACHERS (Effective July 1, 1970)

- A. A baccalaureate degree from a college or university accredited for teacher education.
- B. Must have recommendation of designated official for teacher education in the college or university.

II. ELEMENTARY CERTIFICATE REQUIREMENTS

| | Semester Hours | | Semester Hours |
|-----------------------------------|----------------|---|----------------|
| Language arts | | Art and music | |
| Composition, rhetoric & grammar | 5 | Art for elementary grades | 2 |
| Children's literature | 2 | Music for elementary grades | 2 |
| Elective English or Speech credit | 5 | Elective art and/or music credit | 2 |
| Social Studies | | Science | |
| American history | 5 | Biological and physical or earth science (to include laboratory or field work in at least one science area) | 12 |
| U.S. or state government | 2 | Health and physical education | |
| Geography | 2 | Health or hygiene | 2 |
| Elective social studies credit | 3 | Physical education for elementary grades | 2 |
| Mathematics | | | |
| Math for elementary grades | 2 | | |
| *Elective mathematics credit | 5 | | |

- | | Semester
Hours | Semester
Hours |
|---|-------------------|---|
| Education | | |
| *The pupil (educational psychology, child psychology, child growth and development, etc.) | 4-5 | teaching of reading or language arts) 4-5 Student teaching 5 (Minimum block time — ½ day for not less than 8 weeks, or full day for not less than 5 weeks, or the equivalent.) (18 hours minimum requirement in education) *Ordinarily two courses |
| The school (history or philosophy of education, foundations of education, organization and management, etc.) | 2-3 | |
| *Methods (including the | | |
| 201. General Techniques of Elementary Teaching. | | 3 cr. hrs. |
| Study of the problems, techniques, and materials of instruction in the elementary school. First semester. | | |
| 202. Elementary School Organization and Management. | | 3 cr. hrs. |
| A study of the organization of our public school system, and of classroom management as it applies to the elementary school. Emphasis on community and parent-teacher-pupil relationships. Second semester. | | |
| 203. Music for Primary Grades. | | 2 cr. hrs. |
| A study of the objectives, materials, subject matter and methods of teaching music in primary grades. Emphasis on development of creative expression and good music training. Block plan. First semester. | | |
| 204. Music for Intermediate Grades. | | 2 cr. hrs. |
| A study of the objectives, materials, subject matter, and methods of teaching music in intermediate grades. Emphasis on appreciation of and participation in good music. Prerequisite: 203, or consent of instructor. Block plan. Second semester. | | |
| 205. Kindergarten Methods. | | 3 cr. hrs. |
| Directed toward the special problem of the kindergarten teacher, including child growth and development, organization of the kindergarten, planning the curriculum and program, teaching methods and materials, and building good home-school relationships. Prerequisite: 201. First semester. | | |
| 207. Art for Primary Grades. | | 2 cr. hrs. |
| Problems and procedures of teaching and supervision of art in primary grades, with particular attention to creative abilities and crafts. Block plan. First semester. | | |
| 208. Art for the Intermediate Grades. | | 2 cr. hrs. |
| The student experiments with a wide variety of art media appropriate for the intermediate age. The characteristics of child art are studied, as well as the relationship of art to the curriculum and the development of the child. Block plan. Second semester. | | |

- | | | |
|--|--|------------|
| 211. Children's Literature. | | 3 cr. hrs. |
| Acquaints the student with the best literature for elementary school children. Development of standards and criteria for selecting materials with reference to interest, needs and abilities of children at different age levels. First semester. | | |
| 212. Educational Psychology. | | |
| See course listing under Psychology 212. | | |
| 226. Physical Education for Elementary Schools. | | 2 cr. hrs. |
| Concerned with the selection, organization and direction of physical activities appropriate for elementary school students. Consideration is given to corrective exercises, development drills, and games which are planned for the pleasure of the participants. Open to teachers, or prospective teachers, of elementary schools, or to those interested in the physical education problems of youth. Second semester. | | |
| 301. Teaching of Arithmetic in the Primary Grades. | | 2 cr. hrs. |
| A study of the basic principles and mathematical concepts related to arithmetic in the primary school. Emphasis is placed on methods of making arithmetic meaningful to primary children. Block plan. First semester. | | |
| 302. Teaching of Arithmetic in the Intermediate Grades. | | 2 cr. hrs. |
| A study of the developmental sequence of arithmetic in the elementary school, with concentration on meaningful teaching of fundamental processes in the intermediate grades. The history of numbers and a study of number systems is included. Attention is given to classroom organization providing for individual differences in learning. Block plan. Second semester. | | |
| 306. Teaching of Reading. | | 3 cr. hrs. |
| A study of principles, materials and teaching procedures in elementary grades; survey of current practices and curricula. Prerequisite: 201. Second semester. | | |
| 307. Teaching of Reading in the Junior and Senior High School. | | 2 cr. hrs. |
| A study of the factors involved in the reading process, and basic skills and techniques of teaching reading in the junior and senior high school. | | |
| 310. Language Arts in the Elementary School. | | 3 cr. hrs. |
| A study of the language arts in the elementary grades, with emphasis on how to develop the ability to think clearly and communicate effectively. There will be practical experience with methods that are pedagogically sound for instruction in handwriting skills, fundamentals of grammar and creative writing. Second semester. | | |

312. Science for Elementary Teachers. 3 cr. hrs.
Designed to acquaint the elementary school teacher with the 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. Two hours science credit and 1 hour methods. Alternate years. Offered 1969-70. Second semester.
315. Technique of Teaching in High Schools. 2 cr. hrs.
An intensive study of the principles underlying the teaching process, an evaluation of the common and newer teaching procedures, and consideration of the general factors in teaching, such as reviews and assignments. Prerequisite: Psychology 212. First and second semesters.
316. High School Administration. 2 cr. hrs.
Seeks to discover and apply the fundamental psychological principles upon which the organization and administration of the high school should be based. First and second semesters. Seniors only.
317. Tests and Measurements.
See Psychology 317.
322. History and Philosophy of Education. 3 cr. hrs.
A study of the development of Western education from the Greeks through the present time. Education is viewed in broad perspective, showing the major changes in the life and thought of society, and how these have been reflected in education theories and practice. An effort is made to highlight those trends and figures which gave education its distinctive character, and which have had the greatest influence on our time. First or second semester.
327. Principles and Methods of Guidance. 3 cr. hrs.
Gives the student an understanding of the concepts and techniques essential in the guidance processes in elementary and secondary schools. Topics treated include organization and administration of the guidance program, the responsibility of the classroom teacher, child study through tests and other techniques, counseling involving personal, educational, and vocational guidance. Prerequisites: Psychology 211 and 212. First semester.
329. Childhood Psychology.
See Psychology 329.
330. Adolescent Psychology.
See Psychology 330.
334. Methods in String Instruments. 2 cr. hrs.
(Class instruction) The study of violin, viola, cello and bass. Teaching techniques for string instruments. First and second semesters.

335. Methods in Wood-Wind Instruments. 2 cr. hrs.
(Class instruction) 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 wood-wind instruments. Second semester.
336. Methods in Brass/Percussion Instruments. 2 cr. hrs.
(Class instruction) The study of trumpet, trombone, baritone, French horn, bass, etc. Teaching techniques for brass and percussion instruments. Second semester.
338. Teaching the Social Studies in the Secondary School. 2 cr. hrs.
A study of the development and present status of social studies programs, aims and methods, testing and evaluation, special problem areas, professional aids to teachers, and observation and participation in actual classroom experiences. Open to those preparing to teach social science. Second semester.
340. Teaching Science in the Secondary School. 2 cr. hrs.
Acquaints the student with 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. Alternate years. Offered 1968. Second semester.
342. Teaching English in the Secondary School. 2 cr. hrs.
A practical course in methods of teaching of various phases of secondary English. Some observation of teaching will be included. Open only to those preparing to teach English. Second semester.
344. Teaching Foreign Language in the Secondary School. 2 cr. hrs.
Gives consideration to those problems which are of particular concern in the teaching of foreign languages in the secondary school. Included in the course are functions and values of language study, organization of materials, methods of teaching, illustrative materials. Open only to those preparing to teach foreign languages. Second semester.
345. Teaching Mathematics in the Secondary School. 2 cr. hrs.
Open to those who are preparing to teach high school mathematics. The different 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 are discussed. Drill in certain fundamentals of mathematics. References will be made to topics of modern mathematics. First semester.
346. Teaching Latin in the Secondary School. 2 cr. hrs.
Designed for those who plan to teach Latin in the secondary school. Methods and materials of Latin teaching will be presented, with special emphasis on the application of recent linguistic theory to Latin

instruction. Open only to those preparing to teach Latin. Second semester.

348. Teaching of Speech. 2 cr. hrs.
Designed for students who plan to teach speech. The course includes a survey of the literature of speech, a unit in curriculum planning, study of methods of supervising extracurricular speech activities, and practical work with freshman speech classes. Offered 1968-69. First semester.
352. Audio-Visual Education. 2 cr. hrs.
This course is designed to acquaint the teacher with the various types of audio-visual aids and their use in supplementing other learning experiences. Students are provided an opportunity to plan for the use and operation of those aids that require skill in manipulation. Prerequisite: 315 or 201. Second semester.
358. Methods of Art. 2 cr. hrs.
The methods and teaching of art on the secondary level.
381. Music Methods in the Elementary School. 2 cr. hrs.
Music in the elementary school, its materials and methods. Emphasis will be given to the role of the special music teacher. First semester.
382. Music Methods in the Secondary School. 2 cr. hrs.
A study of materials and techniques for the vocal and instrumental programs of secondary schools. Second semester.
- 393 and 394. Methods in Physical Education.
See course description under Physical Education 393 and 394.
412. Supervised Student Teaching in the Elementary School. 6 cr. hrs.
Following observation of teaching in a given grade, the student, under the direction of the supervisor, assumes responsibility for teaching a class in elementary grades. Students preparing to teach in primary grades should plan to take the course during the first semester. Those planning to teach in intermediate grades should plan for the second semester. Formal application must be made in the second semester of the student's junior year to Professor Chiles, subject to the approval of the committee on student teaching. Students should plan to take this course as one of the last courses toward the completion of the elementary education major. First or second semester.
424. Supervised Student Teaching in the High School. 6 cr. hrs.
After preliminary observation, the student, under the direction of the supervisor, assumes the responsibility for the teaching of high school classes. The work will be planned for the student for the subjects and hours which suit best. Activities include attending teachers' meetings,

P.T.A. meetings, and group meetings at the college. Formal application must be made in the second semester of the student's junior year to Professor Isley, subject to the approval of the committee on student teaching. First or second semester.

ENGLISH

The John Phelps Fruit Department of English

Major in English: Twenty-four semester hours, excluding English 115-116. The following courses are required: English 215, 216, 315, 316, 401, and 402. English majors are required to take History 101, 102 and are urged to take either History 221 or 222. Students intending to do graduate work in English should have a strong background in history, philosophy and at least one foreign language. Most graduate schools require a reading knowledge of German and French for the doctorate in English. Some require also a reading knowledge of Latin.

English Requirement for all students: All students must take English 115-116 during the freshman year. English 115-116 are prerequisite to advanced courses in English, except English 225-226.

Sophomore English examination: In order that no student shall receive a degree from the college without a reasonable command of written English, the department will examine every student toward the end of his sophomore year and prescribe such remedial work as may seem necessary.

100. Writing Laboratory. No credit.
The techniques of expository writing, giving special attention to the individual student on a laboratory basis. Required of all students who fail the Sophomore English Examination. First and second semesters.
115. Language and Composition. 3 cr. hrs.
A descriptive study of the English language, with additional emphasis on the problems of composition. Required of all students. First semester.
116. Literature and Composition. 3 cr. hrs.
An introduction to the study of literature, with critical evaluation of selected works. Required of all students. Second semester.
- 211, 212. Journalism—Reporting and Editing. 2 cr. hrs.
The techniques of newspaper writing, with emphasis on general re-

porting, editing, make-up, and layout. A study of the American press as a factor in modern mass communication. Laboratory work on the college newspaper throughout the year. First and second semesters.

- 215, 216. Survey of English Literature. 3 cr. hrs.
The development and trends of English literature from the beginnings through the Victorian Age. Some attention to the developing trends of the Modern Age. First and second semesters.
- 225, 226. Survey of World Literature. 3 cr. hrs.
A study of the masterpieces of world literature from the ancient Greek world to the present time. Designed particularly to satisfy the humanities requirement for those students who are not English majors. Freshmen admitted on consent of instructor. First and second semesters.
- 303, 304. Contemporary Literature. 3 cr. hrs.
The first semester will consider British and American poets since 1900. The second semester will consider British and American novelists since 1900. First and second semesters.
305. Survey of World Drama. 3 cr. hrs.
The development of drama from classical Greek tragedy to the nineteenth century. First semester.
306. Modern Drama. 3 cr. hrs.
A study of contemporary drama, from Ibsen to the present. Second semester.
- 315, 316. Survey of American Literature. 3 cr. hrs.
The development and trends of American literature from the Colonial period to the present. First and second semester.
329. The English Novel. 3 cr. hrs.
A critical analysis of selected novels to observe the development of this literary form. First semester.
330. The American Novel. 3 cr. hrs.
A critical analysis of the major American novelists, prior to 1900. Second semester.
400. Honors in English. 3 cr. hrs.
A seminar course for specially qualified seniors who wish to read intensively in a particular period or aspect of English or American literature.
401. History of the English Language. 3 cr. hrs.
The development of Modern English as a written and spoken language, emphasizing the influence of Old and Middle English. First semester.

402. Advanced Composition. 3 cr. hrs.
The techniques and practices of composition on an advanced level. Second semester.
404. Modern English Grammar. 3 cr. hrs.
A study of current linguistic theories of grammar. Open to all upperclassmen and particularly recommended for language majors and others who plan to teach. Does not satisfy the humanities requirement for graduation. Second semester.
415. Shakespeare. 3 cr. hrs.
A careful study of the life of Shakespeare and a critical analysis of selected representative plays. First semester.
416. Milton. 3 cr. hrs.
A study of the life and works of Milton, with emphasis on the relationship of his prose and poetry to the religious and political problems of his time. Alternate years.
425. Chaucer. 3 cr. hrs.
A study of the life and writings of Chaucer, with emphasis on *The Canterbury Tales*. The importance of Chaucer's work in the history of the English language and its literature. Alternate years.
426. Browning. 3 cr. hrs.
The development and scope of Browning's poetic art and philosophy as seen through a critical study of selected representative works. Alternate years.
- 433, 434. Directed Writing. 1-3 cr. hrs.
Independent creative writing under the direction of a member of the department. Prerequisite: English 402.
- 435, 436. Directed Reading. 1-3 cr. hrs.
Independent investigation of a concentrated area of study, resulting in an extensive paper or papers. Prerequisite: some classroom study in the area of concentration.

HISTORY

Major: Twenty-four semester hours, minimum.

Secondary Teaching Certificate: forty hours of history and geography.

No history course is a prerequisite to any other history course; however, freshmen will not be admitted to upper division courses. Juniors and seniors will be admitted to History 101 and 102 only after special permission.

The following courses are required for a major: one unit of ancient history, 221, 222, 330, 331, 332 and enough other courses to meet the minimum. In addition, majors will be expected to read and report on a list of books distributed by the department.

- 101, 102. Western Civilization. 3 cr. hrs.
Intended to introduce the student to the study of history as a liberal art and to acquaint him with the most important men, ideas, and institutions of the Western world. For freshmen and sophomores. First and second semesters.
221. History of the United States to 1865. 3 cr. hrs.
Particular emphasis is placed on the political, social and economic forces which have played a significant part in shaping national life. First semester.
222. History of the United States, 1865 to the Present. 3 cr. hrs.
A general survey of the nation's history since the Civil War, this course emphasizes those political and economic factors which have had continuing significance. Second semester.
330. Europe in the Middle Ages. 3 cr. hrs.
A study of the period which lies between the fall of the ancient empires and the rise of the new nation-states. Significant ideas and institutions were developing; therefore, an understanding of this period is important to students of religion, philosophy, history, literature and music. Offered 1968-69.
331. Early Modern Europe, 1500-1815. 3 cr. hrs.
In this period the European state system arose, European culture was spread throughout the world by colonization, and notable advances were being made in science, commerce, industry, and statecraft while Europe was being torn at the same time by the series of military clashes which culminated in the Napoleonic conflicts. First semester.
332. Modern and Contemporary Europe, 1815 to the Present. 3 cr. hrs.
A survey of Europe from the close of the Napoleonic Era to the present. Emphasis will be placed on the long-range causes of the First World War, the reconstruction following the war, the background of World War Two and the dangerous clash of ideologies and military camps since 1945. Second semester.
333. Russia Since 1800. 3 cr. hrs.
A brief survey of the Russian empire under the last Tsars, with emphasis given to those factors which help to explain the bourgeois and Communist revolutions of 1917. The last half of the course is devoted

to a study of the Communist state built in Russia and the impact which this had on international relations. First semester.

334. Colonial Latin America. 3 cr. hrs.
A historical survey of Latin American countries from the fifteenth to the nineteenth centuries. Emphasis is given to those political and cultural factors which help the North American student understand better those nations of Hispanic background. Offered 1969-70.
336. The Far East. 2 cr. hrs.
A brief survey of the most important developments in China, Japan, India, the Philippines and Indonesia. Second semester.
- 337, 338. Diplomatic History of the United States. 2 cr. hrs.
A study of the role which the United States has played in international affairs. Special attention is given to the evolution of policies, diplomatic vocabulary, and the workings of the Department of State. First and second semesters.
339. The Ancient World I. 2 cr. hrs.
A study of the history and civilization of the ancient Near East and Greece to the death of Alexander the Great. First semester.
340. The Ancient World II. 2 cr. hrs.
History and civilization of the Hellenistic world after Alexander and of Rome to the fall of the Western Empire. Second semester.
341. Intellectual History of the United States. 2 cr. hrs.
A selective introduction to the history of American thought. Emphasis is given to the period after the Civil War. Offered alternate years. Offered 1968-69. First or second semester.
343. History of England to 1688. 3 cr. hrs.
The peoples who settled England, the geography and cultures of the British Isles, the development of institutions and other important aspects of English society and thought are considered. This course may be changed without notice to alternate-year status.
344. History of England, 1688 to the Present. 3 cr. hrs.
A study of England as a constitutional monarchy, her development as a great political and economic power, the evolution of democratic institutions, and the role she played as a colonial power and as an active participant in Europe's power struggles. This course may be changed without notice to alternate-year status. Second semester.
- 401, 402. Readings in History. 1 or 2 cr. hrs.
In consultation with the supervising professor, the student selects a group of readings concentrated in one historical era or geographic area. Written reports will be required. For seniors or with the consent of the head of the department. First and second semesters.

- 441, 442. Research Seminar. 2 cr. hrs.
Primarily for majors who expect to do graduate work, but also open to other social science majors with consent. The first semester concentrates on bibliographical material and the development of methods and techniques necessary for independent research. The second semester is given to a study of the problems of historiography and the writings of great historians. First and second semesters as demanded.

GEOGRAPHY

304. Geography. 3 cr. hrs.
Principles of geography through a study of climatic regions of the world, their soils, plant and animal life, and relief features.

HUMANITIES

201. Man and the Arts. 3 cr. hrs.
An introduction to music, art and the theatre viewed as expressions of human experience. Second semester.

LANGUAGES

Modern

A language laboratory is used as part of modern language instruction at William Jewell College. In the first and second year courses, one class meeting each week is held in the laboratory, and students are urged to spend additional time in it.

Students who major in French, German, or Spanish are required to complete a total of twenty semester hours in courses number 300 or above in the language chosen.

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

French

- 111, 112. Elementary French. 4 cr. hrs.
The essentials of grammar, pronunciation, practice in diction, composition, conversation and reading.
211. Intermediate French. 4 cr. hrs.
Review of grammar, translation from representative French writers, practice in conversation.
212. Intermediate French (Second course). 4 cr. hrs.
Designed to bridge the gap between 211 and more difficult reading

of the advanced courses. Attention is given to French culture. Prerequisite: French 211 or its equivalent.

303. French Composition. 2 cr. hrs.
An advanced course designed to further the ability of the student to express himself in the written idiom. Prerequisite: French 212 or its equivalent. Offered 1968-69. First semester.
304. French Conversation. 2 cr. hrs.
An advanced course designed to improve student ability to express himself orally in French. Prerequisite: French 303 or consent of instructor. Offered 1968-69. Second semester.
- 305, 306. French Civilization. 2 cr. hrs.
Extensive reading in French, dealing with the origin and development of the French nation, with emphasis on the cultural aspects. Prerequisite: French 212 or its equivalent.
311. Survey of French Literature to the Eighteenth Century. 4 cr. hrs.
Designed to give a general view of the development of French literature from the beginning to the eighteenth century. An anthology will be used as a basis of the course, supplemented by additional readings in the principal authors studied. Prerequisite: 212 or its equivalent. First semester.
312. Survey of French Literature from the Eighteenth Century to the Present. 4 cr. hrs.
A continuation of 311, with a general view of the development of French literature during this period. Prerequisite: 212 or its equivalent. Second semester.
- 317, 318. The Modern French Novel. 2 cr. hrs. each semester
Conducted as a seminar, and involves wide reading on the part of the student from such authors as Balzac, Stendhal, Flaubert, Proust, Gide, Malraux, Satre, and Camus. Both oral and written reports on the reading are required. Enrollment by consent of instructor. Offered 1968-69.
- 411, 412. Special Studies in French. 1-3 cr. hrs.
Primarily for students who have completed a major in French. Extensive directed reading in one or more areas of French literature, with preparation and presentation of reports in class. Enrollment by consent of instructor. Offered either semester as needed.
- #### *German*
- 111, 112. Elementary German. 4 cr. hrs.
Essentials of grammar, pronunciation, conversation, reading and folk-songs.

211. Intermediate German. 4 cr. hrs.
Review of grammar, with further practice in composition and conversation. Study of idiomatic German through extensive reading.
212. Intermediate German (Second course). 4 cr. hrs.
Introduction to German literature and culture through extensive reading. This course bridges the gap between 211 and more difficult reading in the 300 level courses. Prerequisite: German 211 or its equivalent.
306. German Civilization. 4 cr. hrs.
Extensive reading in German, dealing with cultural aspects of the development of the German nation. Prerequisite: consent of instructor. Alternates with 212.
311. Introduction to German Classics. 4 cr. hrs.
A study of the major works of Lessing, Goethe and Schiller. Alternates with 313. Prerequisite: 212 or its equivalent.
312. Introduction to German Masterpieces. 4 cr. hrs.
A continuation of 311, with emphasis on the works of Kleist, Grillparzer and Hebbel. Alternates with 314. Prerequisite: 212 or its equivalent.
313. Survey of German Literature. 4 cr. hrs.
A study and analysis of representative selections in German literature from its beginning through the sixteenth century. Alternates with 311. Prerequisite: 212 or its equivalent.
314. Survey of German Literature. 4 cr. hrs.
A continuation of 313, with emphasis on subject matter and selections from 1600 to the present. Alternates with 312. Prerequisite: 212 or its equivalent.

Spanish

- 111, 112. Elementary Spanish. 4 cr. hrs.
The essentials of grammar, pronunciation, practice in diction, composition, conversation and reading.
211. Intermediate Spanish. 4 cr. hrs.
Review of grammar, with further practice in composition and conversation. Reading from contemporary Spanish and Latin-American authors.
212. Intermediate Spanish (Second course). 4 cr. hrs.
Extensive reading in Spanish to bridge the gap between 211 and more difficult literary courses at the 300 level. Introduction to Spanish literature and culture. Prerequisite: Spanish 211 or its equivalent.
303. Spanish Composition. 2 cr. hrs.
An advanced course designed to further student competency in writing Spanish. Written reports will be required on various topics in the field

of Hispanic culture. Prerequisite: Spanish 212 or its equivalent. First semester.

304. Spanish Conversation. 2 cr. hrs.
An advanced course designed to improve student competency in speaking Spanish. Oral reports will be required on various topics, including Hispanic culture. Prerequisite: Spanish 303 or consent of instructor. Second semester.
306. Spanish Civilization. 3 cr. hrs.
Extensive reading in Spanish, dealing with origin and cultural development of the Spanish nation. Prerequisite: Spanish 212 or consent of instructor. Second semester.
311. Introduction to Spanish-American Literature. 4 cr. hrs.
This course and 312 alternate with courses 313 and 314. Representative Latin-American authors from the colonial period of 1900 are studied, with the history and cultural background of the Latin-American peoples. Prerequisite: Spanish 212 or its equivalent. First semester.
312. Contemporary Spanish-American Literature. 4 cr. hrs.
In connection with reading from recent Latin-American authors, current social, political, educational and economic problems of Latin America are studied and discussed. Prerequisite: 212 or its equivalent. Second semester.
313. A Survey of Spanish Literature to 1800. 4 cr. hrs.
Emphasis is placed on the study of the epic forms, the *Celestina*, and the literature of the Golden Age. Prerequisite: 212 or its equivalent. Offered 1968-69. First semester.
314. A Survey of Modern Spanish Literature. 4 cr. hrs.
Rapid reading from authors of the nineteenth and twentieth centuries. Collateral reading and reports. Prerequisite: 212 or its equivalent. Offered 1968-69. Second semester.
- 411, 412. Special Studies in Spanish. 1-3 cr. hrs.
Primarily for students who have completed a Spanish major. Extensive directed reading in one or more areas of Spanish literature, with preparation and presentation of reports in class. Enrollment by consent of instructor. Offered either semester as needed.

CLASSICS

The Robert Baylor Semple Department of Classics

Major requirements:

Greek major—at least 12 hours of courses at 300 level in Greek
Latin major—at least 12 hours of courses at 300 level in Latin

Classics major—at least 9 hours of courses at 300 level in one classical language and 3 hours at 300 level in the other language. All classics majors are encouraged to include in their program some work in French, ancient and medieval history, world literature, and Sanskrit. Specific programs will vary according to the interests of the student.

Greek

- 111, 112. Elementary Greek. 4 cr. hrs.
Morphology, syntax and vocabulary are complemented by reading simple passages from Greek literature.
211. Intermediate Greek. 4 cr. hrs.
An intensive review of grammar is followed by readings in significant authors. Prerequisite: 112 or by consent.
301. A Survey of Greek Literature. 3 cr. hrs.
Readings in the most significant authors of Classical Greece. Prerequisite: 211 or by consent.
- 321, 322. New Testament Greek. 4 cr. hrs.
The development of Koine Greek as it appears in the New Testament writers. Prerequisite: 301.
- 328, 329. Hellenistic Greek. 2 cr. hrs.
Selections from the Septuagint, Josephus, Philo, Apostolic Fathers, and Epictetus. Prerequisite: 301. Offered on demand.
- Tutorial Courses. 2 cr. hrs.
Intensive reading in a specific field for one full semester. The following courses are offered: Epic Poetry (304), Tragedy (305), Comedy (306), Philosophy (307), History (308). Prerequisite: 301. Offered on demand.

Latin

- 111, 112. Elementary Latin. 4 cr. hrs.
Morphology, syntax, and vocabulary are complemented by reading simple passages from Latin literature. Open for credit only to those who have less than two units of high school Latin.
211. Intermediate Latin. 4 cr. hrs.
An intensive review of grammar is followed by readings in significant authors. Prerequisite: 112, or by consent.
301. A Survey of Latin Literature I. 3 cr. hrs.
Readings in authors of the Roman Republic: Plautus, Terence, Cicero, Lucretius and Catullus. Prerequisite: 211 or by consent. Second semester.

302. A Survey of Latin Literature II. 3 cr. hrs.
Readings in authors of the Imperial Age: Sallust, Livy, Virgil, Horace, the elegiac poets and significant authors of the Silver Age. Prerequisite: 301 or by consent. First semester.
303. A Survey of Latin Literature III. 3 cr. hrs.
Readings in the authors of the Medieval and Renaissance periods: Saint Augustine, Gregory of Tours, Alcuin, Abelard and Erasmus. Prerequisite: 302. Second semester.

Tutorial Courses 2 cr. hrs.
Intensive reading in a specific author for one full semester. The following courses are offered: Plautus (304), Lucretius (305), Virgil (306), Horace (307), Ovid (308), Tacitus (309), Erasmus (310).

Sanskrit

- 315, 316. Sanskrit 3 cr. hrs.
A comparative study of the morphology, syntax, and vocabulary of Latin, Greek and Sanskrit, stressing their common origins. Prerequisite: consent of the instructor. Offered on demand.

MATHEMATICS

Major: Thirty semester hours, consisting of 199, 200, 201 and seventeen hours of courses whose numbers are 300 or above. A student who has shown proficiency in algebra and trigonometry may be admitted to Calculus with Analytical Geometry and qualify for a major by taking the courses indicated above. Others may take 111 and/or 115 as a foundation for the required courses.

102. Foundation of Mathematical Thought. 5 cr. hrs.
The development of a vocabulary of mathematical terms and concepts is the first objective. The history of numbers and number systems, the contributions of number work to the culture of various countries at different periods in history, reasoning with the aid of mathematical symbols, the unique character and value of each of the several branches of mathematics are studied. (Not credited on a major.) Second semester.
- 105, 106. Structure of the Number System. 3 cr. hrs.
The language and nature of deductive reasoning. Elements of set theory, the whole numbers, numeration systems, positive and negative rational numbers, elementary number theory, decimals and the real numbers. (Offered primarily for elementary education majors. Students not allowed to take 102.)
111. College Algebra. 3 cr. hrs.
A rapid review of the fundamentals of algebra, including linear equations, exponents, quadratic equations, ratio, proportion and variation. A

thorough treatment of the binomial theorem, progressions, inequalities, complex numbers, logarithms and determinants. An introduction to mathematical induction, partial fractions, permutations, combinations and infinite series. Prerequisite: two units of high school mathematics. (Note: Students with less than $1\frac{1}{2}$ units of high school algebra and one unit of high school geometry will be required to attend one additional class session each week until it is clearly demonstrated that deficiencies no longer exist.) Additional sessions at 12:15 Tuesdays. Either semester.

115. Trigonometry. 2 cr. hrs.
A comprehensive review of the fundamentals of plane trigonometry, followed by a fuller treatment of function laws, identities, reduction formulas, complex numbers, inverse functions, graphical representation and spherical trigonometry. Prerequisite: two units of high school mathematics. (Note: Students without credit in high school trigonometry will be required to attend one additional class session each week.) Additional sessions at 12:15 Thursdays. Either semester.
199. Calculus with Analytical Geometry, I. 5 cr. hrs.
Among topics included are functions, limits, the straight line, conics, continuity, differentiation and integration of algebraic and trigonometric functions. Prerequisite: four units of high school mathematics, including trigonometry, and the approval of the department of mathematics. Either semester.
200. Calculus with Analytical Geometry, II. 5 cr. hrs.
A continuation of Mathematics 199. Further study of analytical geometry, including transformation formulas, differentiation of logarithmic, exponential and hyperbolic functions, polar coordinates, the definite integral, and applications. Prerequisite: Math 199. Either semester.
201. Calculus with Analytical Geometry, III. 3 cr. hrs.
A continuation of Mathematics 200. Solid analytical geometry, limits, infinite series, approximation methods, multiple integrals, partial differentiation, and an introduction to differential equations. Prerequisite: Math 200. Either semester.
302. Geometry. 2 cr. hrs.
A study of incidence and separation properties of planes and space; metric definitions of congruence relations for segments, angles and triangles; models for Riemannian and hyperbolic geometry. Offered 1969-70. Prerequisite: Math 200. Second semester.
304. Probability. 2 cr. hrs.
A study of algebra of sets; probability in discrete sample spaces; combination analysis; random variables; binomial, Poisson, normal and other distributions; applications. Prerequisite: Math 200. Offered 1968-69. Second semester.

330. Differential Equations. 3 cr. hrs.
This is the first course in the study of ordinary differential equations with applications. General methods are studied, including solution by operators, power and Fourier series and Laplace transformations. Introduction to partial differential equations will be included. Prerequisite: Math 200. Second semester.
335. Computer Methods and Numerical Analysis. 4 cr. hrs.
A study and analysis of the basic computer methods of numerically solving algebraic, transcendental, ordinary and partial differential, finite difference, integral, and systems of equations. Includes an introduction to computer programming and the problem of error analysis. (Three lectures and one laboratory period per week.) Offered 1969-70. Prerequisite: Math 201. First semester.
347. Abstract Algebra. 3 cr. hrs.
An introduction to groups, rings, integral domains and fields. The course material includes cyclic groups, subgroups, normal subgroups, Lagrange's Theorem, the Isomorphism Theorems, Cayley's Theorems, Sylow Theorems, polynomial rings and ideals. Offered 1968-69. Prerequisite: Math 201. First semester.
348. Introduction to Matrices. 2 cr. hrs.
An introductory course pertaining to the properties, algebra and applications of matrices. Applications are those related to vector spaces and systems of equations. Offered 1968-69. Prerequisite: Math 347. Second semester.
356. Complex Analysis. 3 cr. hrs.
A study of the complex plane, functions of a complex variable, Cauchy-Riemann equations, elementary transformations, integration, Cauchy's Integral Theorem, Residue Theorem, power series and analytic continuation. Offered 1969-70. Prerequisite: Math 201. Second semester.
441. Advanced Calculus I. 3 cr. hrs.
An extension of the study of calculus, using a more rigorous approach to the study of functions, sequences, limits, continuity, differentiation and integration of functions of one and several variables. Prerequisite: Math 201. First semester.
442. Advanced Calculus II. 3 cr. hrs.
A continuation of Mathematics 441, which includes power series, Fourier series, line and surface integrals, and improper integrals, including a study of the gamma and beta function. Prerequisite: Math 441. Second semester.
451. Special Problems. 1 cr. hr.
Available to students majoring in mathematics who wish to do mature study in a field of mathematics not included in other available courses.

The work will be done largely by appointment. The student will be expected to report to a group on the work done. Prerequisite: ten hours of mathematics above Math 330. First or second semesters.

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. First semester.
204. Graphics II (Descriptive Geometry). 2 cr. hrs.
Graphical solution of geometric problems in three dimensions; problems related to the orthographic projection of the point, line, plane and solid; intersection and development of surfaces and practical application of the principles involved are studied. Emphasis is placed on developing the student's ability to visualize. Recommended for students of mathematics and those in related areas where spatial relationships are involved. Prerequisite: 105, or consent of instructor. Second semester.

Statistics

216. Introduction to Statistics. 3 cr. hrs.
Collecting, presenting and interpreting quantitative data. Second semester.

MUSIC

The music department offers two degrees in music: The Bachelor of Arts and the Bachelor of Science (in school music).

THE BACHELOR OF ARTS

Under the Bachelor of Arts degree, 40 hours of music credit are allowed (exclusive of ensemble credits). The core curriculum requirements are as follows: 18 hours of theory; 10 hours of music history/literature; 2 hours of conducting; 10 hours of private study in the applied areas.

Emphasis in Church Music: Further requirements for this major include Music 317, 318, and/or 319 and 320; Psychology 211, 212; Religion 331, 334, 342, 343 and 451.

THE BACHELOR OF SCIENCE

The Bachelor of Science degree in school music directs the student toward certification in the combined vocal-instrumental areas. The

student may elect the pattern for either the elementary certificate (1-9) or the secondary certificate (1-12). School music majors are allowed 60 hours of music credit (exclusive of ensembles) toward graduation requirements.

CORE MUSIC REQUIREMENTS FOR ELEMENTARY AND SECONDARY CERTIFICATION

Music theory, 21 hours; history/literature, 14 hours; conducting, 4 hours; applied major, 12 hours; piano, 6 hours.

Further requirements for the elementary music certificate: Music Education 381, 382, 235, 335, 336, Education 201, 202, 322, 412; Psychology 211, 212, 329.

Further requirements for the secondary music certificate: Music Education 381, 382, 235, 336; Education 316, 322, 424; Psychology 211, 212, 330.

General regulations:

1. All music majors are required to present a formal recital in their junior and senior years.
2. All music majors are required to participate in one choral and one instrumental ensemble each semester. (Seniors are exempt from the requirement during the semester in which they are fulfilling the student teaching requirement.)
3. All music majors are required to pass a proficiency examination in elementary piano, voice, and in one string, one woodwind and one brass instrument.
4. All music majors are required to attend departmental performances.
5. All music majors are required to pass proficiency tests in sight-reading in voice and piano.
6. All music majors are required to pass the Graduate Record Examination and departmental comprehensives for graduation.
7. Music majors will procure mimeographed material outlining the general regulations and other competency skills.

Structure and Organization of Music

Piano Proficiency Test must be passed in order to take Music Theory I (101, 102). Students should plan to take this examination

prior to taking Theory I, but may postpone it until sometime during the first semester, if sufficient facility in piano technique is indicated. The test will consist of: (A) Sight-reading a Bach Choral. (B) Demonstrating facility at the piano by playing a simple composition known to the student and of his choice. Anyone who cannot pass this examination and desires to major in the music department should plan a year of intensive study of piano.

101, 102. Music Theory I: Elementary Musicianship

101a, 102a. Scales, Notation and Harmony.

101b, 102b. Ear Training and Sight Singing.

101c, 102c. Keyboard Harmony. 4 cr. hrs.

A student should be prepared to take 101, 102 as a complete course. No section will be offered separately, except where extreme individual need occurs. Prerequisite: Piano Proficiency Test or concurrent enrollment in a piano course. First and second semesters.

201, 202. Music Theory II: Harmony. 3 cr. hrs.

Secondary seventh chords, dominant and secondary ninth chords, modulation, transition. Further ear training, sight singing, and keyboard harmony. Prerequisite: 102. First and second semesters.

301. Counterpoint. 2 cr. hrs.

The writing of two and three-part sixteenth century modal counterpoint, both "specie" and "free." Tonal counterpoint is also introduced, emphasizing fundamentals of melodic writing. Prerequisite: 202. First semester.

302. Form and Analysis. 2 cr. hrs.

A study of musical form. Techniques of harmonic and melodic analysis as related to the study of standard homophonic and contrapuntal compositions. Prerequisite: 301. Second semester.

401. Composition. 3 cr. hrs.

Creative writing and arranging; the study and practice of harmonic procedures are related to composition in smaller forms. Admission upon consent of the instructor. Offered in alternate years. (1968-69). First semester.

History and Appreciation

115, 116. Introduction to Music Literature. 2 cr. hrs.

A study of the elements of music, its forms, historical periods and representative literature.

121. Music Appreciation. 2 cr. hrs.

Open to all students desiring an understanding of music as an element of liberal culture. Designed to lead to an awareness of the vast accumulation of music literature and to develop competence in listening to music. Previous training in music not required. First semester.

122. Music Appreciation. 2 cr. hrs. (non-majors only)

Continuation of 121. No prerequisite, but 121 is recommended. Second semester.

315, 316. History of Music. 3 cr. hrs.

A survey of music from prehistoric man to the present day. First and second semesters continuously.

415. Literature of the Renaissance and Baroque Periods. 2 cr. hrs.

A critical analysis of representative literature, with emphasis on developments and trends.

416. Literature of the Romantic and Modern Periods. 2 cr. hrs.

A critical analysis of representative literature, with emphasis on developments and trends.

Conducting

319. Conducting. 2 cr. hrs.

The fundamentals of conducting, the use of the baton, score reading.

320. Conducting. 2 cr. hrs.

A continuation of 319, with emphasis on creative interpretation. Laboratory experiences with campus ensembles.

Church Music

317. Church Music. 3 cr. hrs.

Organization and direction. The organization of the multiple choir system, maintenance of the choir, rehearsals, auditions, repertoire for the small church choir, vocal methods for adults and children, materials for the children's choir and general worship techniques. First semester.

318. Repertoire of Church Music (Voice). 1 cr. hr.

A study of solo literature appropriate to the non-liturgical service; performing and listening, with emphasis on style and interpretation. Second semester.

417. Repertoire of Church Music (Organ). 1 cr. hr.

The techniques of service playing and a study of literature appropriate to the worship service. Alternate years. Offered 1968-69. First semester.

418. Oratorio and Cantata. 2 cr. hrs.
The historical development of the larger vocal forms; analysis of representative examples with emphasis on performance traditions. Alternate years. Offered 1968-69. Second semester.

Religion 342. The Church and its Hymnody.
See: Religion 342 for description.

Religion 343. History of Christian Worship.
See: Religion 343 for description.

Music Education

235. Methods in String Instruments. 2 cr. hrs.
See: Education 235 for description.
335. Methods in Woodwind Instruments. 2 cr. hrs.
See: Education 335 for description.
336. Methods in Brass and Percussion Instruments. 2 cr. hrs.
See: Education 336 for description.
381. Music Methods in the Elementary School. 2 cr. hrs.
See: Education 381 for description.
382. Music Methods in the Secondary School. 2 cr. hrs.
See: Education 382 for description.

Class Instruction

- 145, 146. Voice Class. 1 cr. hr.
The class has a minimum of four and a maximum of eight students. Open to all students. First and second semesters.

Private Instruction

Private Instruction means private lessons in piano, organ, voice, strings, brass, or woodwind instruments. 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. Credit, 1 hour each semester.

The hours for private lessons are arranged with Mr. Forbis (voice), Mr. Lakin (strings), Mr. Posey (woodwinds and brass), and Mrs. Lovan (organ and piano).

- 125, 126, 225, 226. Piano (beginner).
131, 132, 231, 232, 331, 332, 431, 432. Piano (advanced).
161, 162, 261, 262, 361, 362, 461, 462. Organ.
141, 142, 241, 242, 341 A., B., 342 A., B., 441 A., B., 442 A., B. Voice.
127, 128, 227, 228, 327, 328, 427, 428. Strings.
123, 124, 223, 224, 323, 324, 423, 424. Woodwinds.
137, 138, 237, 238, 337, 338, 437, 438. Brass.
151, 152, 251, 252. Percussion.

Musical Organizations

- 103, 104, 203, 204, 303, 304, 403, 404. The 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.
- 105, 106, 205, 206, 305, 306, 405, 406. Chapel Choir. 1 cr. hr.
Membership in the Chapel Choir is open to the student body. Membership auditions held each semester. The choir sings for the college chapel services, presents concerts in area churches, as well as making an annual tour. The tour choir consists of approximately 40 voices and is selected from the membership of the Chapel Choir.
- 165, 166, 265, 266, 365, 366, 465, 466. Concert Band. 1 cr. hr.
Open to all students by audition, this 70-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. Instrumental fulfillment for music majors.
- 167, 168, 267, 268, 367, 368, 467, 468. Little Symphony. 1 cr. hr.
Organized as a chamber orchestra, the Little Symphony is open to all students, and meets twice weekly for 1½ hours. Music is designed for a full string section and solo winds. Instrumental fulfillment for majors.
- 169, 170, 269, 270, 369, 370, 469, 470. Symphonic Wind Ensemble. 1 cr. hr.
Open to all students by audition, the ensemble is designed for those students seriously interested in wind instrument performance and literature. The group meets three times weekly. Instrumental fulfillment for majors.

171, 172, 271, 272, 371, 372, 471, 472. Brass Ensemble. 1 cr. hr.
Open to all students by audition, the ensemble is designed for the serious study of music for brass instruments, with emphasis on performance. The group meets three hours weekly.

*179, 180, 279, 280, 379, 380, 479, 480. Recorder Ensemble. No Credit
Laboratory for the study of modern jazz performance and arranging, meeting two hours weekly. Membership is limited to standard stage band instrumentation.

*175, 176, 275, 276, 375, 376, 475, 476. Chamber Ensemble. No Credit
Chamber ensembles are organized according to available instrumentation and need. Groups include string, wind and percussion ensembles and meet the equivalent of two hours weekly.

*177, 178, 277, 278, 377, 378, 477, 478. Pep Band. No Credit
Travels to and performs at athletic events and pep rallies. Limited to men only, and open only by audition, this group is operated as a service organization.

*179, 180, 279, 280, 379, 380, 479, 480. Recorder Ensemble. No Credit
Membership in the ensemble is open to all students of the college. Performing music which is historically unique to the recorder, the group represents the college at many campus, civic and social affairs.
(*Open only to persons enrolled in Band, Symphony, Wind Ensemble or Brass Ensemble.)

Not more than eight hours of ensemble will be accepted as elective hours toward graduation.

PHILOSOPHY

The W. D. Johnson Department of Philosophy

Major: Twenty-four semester hours, including courses 201, 202, 231, 301, 302, 303, and 304.

201. Introduction to Philosophy. 3 cr. hrs.
An introductory study of the chief problems, methods and values of philosophy. First semester.

202. Ethics. 3 cr. hrs.
A study of the major theories of value, obligation and the justification of ethical beliefs. Second semester.

203. History of Western Thought: Ancient and Medieval. 2 cr. hrs.
A study of some major philosophical issue as it is reflected in some great classics of western intellectual history. First semester.

204. History of Western Thought: Modern. 2 cr. hrs.
A study of some major philosophical issue as it is reflected in some great classics in modern thought. Second semester.

207. Philosophy of Religion. 2 cr. hrs.
A philosophical analysis of the problem of God, his existence and nature, and the attendant problems of religious knowledge and religious language. Special attention will be given to the classical arguments, the "death of God" theology, the function of symbolism and the contribution of linguistic analysis. First semester.

208. Philosophy of Religion. 2 cr. hrs.
A continuation of the philosophical investigation of religious experience, especially as it is expressed in such problems as the nature of religion, the problems of evil and immortality, and the relation of religion to culture and technology. Philosophy 207 is not a prerequisite. Second semester.

231. Logic. 3 cr. hrs.
An introduction to formal logic and scientific method. First semester.

232. Philosophy of Art. 3 cr. hrs.
A philosophical analysis of the problems of art, creativity, beauty, aesthetic experience and appreciation, and the nature and meaning of art as found in such media as music, painting, sculpture, architecture, photography, dance, theatre and literature. Alternates with Philosophy 234. Offered 1969-70. Second semester.

233. History of Political Philosophy. 3 cr. hrs.
A chronological survey of leading political thinkers from Plato to the modern era. Offered 1968-69. First semester.

234. Contemporary Political Thought. 3 cr. hrs.
A study of political ideas with a view to understanding the basic principles of the democratic state, especially as these principles conflict with other political ideologies, such as Fascism and Communism; also an exploration of such problems as economic justice, war and world order. Alternates with Philosophy 232. Offered 1968-69. Second semester.

301. History of Philosophy: Ancient and Medieval. 3 cr. hrs.
Alternates with Philosophy 303. Offered 1969-70. First semester.

302. History of Philosophy: Descartes to Kant. 3 cr. hrs.
Alternates with Philosophy 304. Offered 1969-70. Second semester.

303. History of Philosophy: The Nineteenth Century. 3 cr. hrs.
Alternates with Philosophy 301. Offered 1968-69. First semester.

304. History of Philosophy: The Twentieth Century. 3 cr. hrs.
Alternates with Philosophy 302. Offered 1968-69. Second semester.

Tutorial Courses

Special reading courses can be arranged for advanced students who meet the approval of the department. The courses consist of the study of major philosophers through the reading of their works. The following courses are offered: Plato (371), Kant (372), Aristotle (373), the British Empiricists (374), Medieval Philosophy (375), Protestant Thought (376), Existentialism (377), Philosophy Through Literature (378), Pragmatism (379), Political Philosophies (380). 2 cr. hrs.

Both semesters. Hours arranged on a conference basis.

PHYSICAL EDUCATION

Major: Twenty-four semester hours, for both men and women. Must include the following courses: 115, 116, 215, 264, 265, 325, 332, 384, 385, 392, 393, 394, and physiology and anatomy. All men who plan to teach physical education and all men and women who pursue the B.S. degree must meet state certification requirements to teach in an additional field.

Note: Every major must demonstrate satisfactory accomplishment on a schedule of competencies in order to become eligible to take the comprehensive examination in this department.

Intercollegiate athletics

William Jewell College is a member of the Missouri College Athletic Union. Intercollegiate sports consist of football, basketball, track, baseball, tennis, golf, wrestling, cross-country, swimming and soccer.

The administration and faculty of William Jewell College recognize that intercollegiate athletics is of real value to the participants and has a place in a sound educational program. There are certain principles and safeguards to which the college is definitely committed.

1. Scholarships, work aid and other financial aids are given to athletes upon the same basis as aids to other students.

2. All scholarships and aids must be approved by the scholarship committee, of which the vice president in charge of student affairs is chairman.

3. No special consideration is given to athletes in college classes. They must meet the same academic standards as other students.

4. There are no "snap" courses in the curriculum to accommodate athletes.

5. The athletic budget is made and controlled by the college administration in the same manner as the budgets of other departments.

Intramural program

The physical education department, in its class work, lays the foundation for the intramural program through developing an interest and skill in a diversified sports program. The intramural program affords an opportunity for all students to compete in sports in which they have an interest. Intercollegiate athletics is the goal for those who have achieved sufficient skill in intramural athletics.

Physical examination

All students entering William Jewell College are required to take a physical examination. No student is permitted to participate in strenuous activities, either in class or on athletic squads under supervision of the college, without such prior physical examination.

101, 102. General Activities for Freshmen. 1 cr. hr.

Each class meets two hours per week and includes instruction in skills, knowledge of rules and strategy, purchasing and care of equipment, history of activity, and competitive experience under game conditions. All students must swim 25 yards.

201, 202. Electives in General Activities. 1 cr. hr.

These activities are particularly for students who wish to continue beyond the two hours of activities required for graduation. Each class meets two hours per week.

Activities open to majors and non-majors in physical education

Badminton and golf (men and women)
Tennis (men and women)
Boxing and wrestling (men only)
Elementary swimming (men and women) for non-swimmers
Intermediate swimming
Team sports (women only)
Handball and body building (men only)
Elementary rhythmic activities (men and women)
Rugby (men only)
Soccer and speedball (men only)

- Field hockey (women)
Outdoor education (men)
Trampoline and tumbling (men and women)
Synchronized swimming (men and women)
Elementary gymnastics (men and women)
Physical conditioning (women only)
115. Hygiene. 2 cr. hrs.
A consideration of the fundamental laws of health and the health relations of the individual to the community. Each semester.
116. First Aid. 2 cr. hrs.
A comprehensive introduction to first aid treatment and techniques. Members of class may be certified as first aid instructors by the American Red Cross. First semester.
215. Introduction to Physical Education. 2 cr. hrs.
A general orientation course for students planning to major in physical education. First semester.
226. Physical Education for Elementary Schools. 2 cr. hrs.
Concerned with the selection, organization and direction of physical activities appropriate for elementary school students. Consideration is given to corrective exercises, development drills and games which are planned for the pleasure of the participants. Open to teachers, or prospective teachers, of elementary schools, or to those interested in the physical education problems of youth. Second semester.
261. Life Saving and Water Safety (men and women). 1 cr. hr.
Advanced work in all swimming strokes, as well as instruction for certification in American National Red Cross life saving and water safety. Prerequisite: see instructor for swimming requirements. First semester.
262. American National Red Cross Water Safety Instructor Course. 2 cr. hrs.
Training course for water safety instructors; parts I and II will be taught. Part I is concerned largely with the personal skill ability of students. Part II is directed towards methods of teaching skills. Prerequisite: holder of current Red Cross senior life saving certificate, or instructors whose appointments have lapsed. Second semester.
264. Methods in Teaching Rhythmic Activities. 2 cr. hrs.
For major students only. (Others may enroll by special permission.) Consists of advanced methods in teaching square dance, folk dance and modern dance. Second semester.
265. Methods in Teaching Gymnastics and Tumbling. 2 cr. hrs.
For major students only. (Others may enroll by special permission.) A treatment of teaching methods in gymnastics, tumbling and trampoline. Also consists of advanced activity in these areas. Prerequisites: elementary gymnastics and tumbling. Second semester.

325. School Health Education. 2 cr. hrs.
The selection of materials, methods of instruction and coordination of health teaching with the work of other teachers. Juniors and seniors only. Prerequisite: Hygiene. First semester.
332. Organization and Administration of Health and Physical Education. 3 cr. hrs.
A study of policies in organization and administration of the physical education program, classification of students, staff, teaching load, time schedule, financing, care of the physical education plant, records and inter-school relations. Required of students taking a major in physical education. Juniors and seniors only. Second semester.
381. Methods in Coaching Football and Basketball. 4 cr. hrs.
A study of the philosophy and techniques of coaching football and basketball in high school. The treatment and taping of athletic injuries will be included. Class members participate in certain phases of varsity practice. Juniors and seniors only. First semester.
382. Methods in Coaching Track. 2 cr. hrs.
A study of the philosophy and techniques of coaching track in high school. Second 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.
Designed to deal with physical education methods for the mentally, physically and socially handicapped; corrective physical education for body mechanics; and developmental physical education for physical fitness. Juniors and seniors only. First semester.
392. Kinesiology. 3 cr. hrs.
A study of the science of bodily movements. Prerequisite: Biology 239. Second semester.
393. Methods in Teaching Team Sports. 2 cr. hrs.
For major students only. (Others may enroll by special permission.) A study of the techniques, methods and materials used in teaching team sports in high school and junior high school. First semester. Juniors and seniors only.
394. Methods in Teaching Individual Sports. 2 cr. hrs.
For major students only. (Others may enroll by special permission.) Study of the techniques, methods and materials used in the teaching of individual sports in high school and junior high school. Second semester. Juniors and seniors only.

PHYSICS

The E. S. Pillsbury Department of Physics

Major: Thirty semester hours, including fifteen hours of junior-senior courses, and three hours of advanced laboratory.

Major for secondary school teachers: Twenty-four semester hours, including Physics 323, 316.

Physics major for the 3-2 plan of engineering with Columbia University, New York: Physics, 213, 214, 316, 323, 332, 443.

Physics major for the 3-2 plan of engineering with the University of Missouri, Columbia or Rolla: Physics 213, 214, 323, 316, 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.

Courses 213 and 214 require calculus as a co-requisite, and may constitute a beginning course for physics majors and pre-engineering students. Pre-medical students are admitted to courses 111 and 112.

Courses 103 and 104 are primarily for non-science majors who want an introductory course in the fundamentals and applications of physics. It is recommended that 103 be taken first.

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.

103. Foundations of Physics. 3 cr. hrs.
Basic principles of mechanics, gravitation and kinetic theory, heat and sound. First semester. One laboratory period per week.

104. Foundations of Physics. 3 cr. hrs.
Basic principles of electricity, magnetism, optics, wave motion and modern physics. Second semester. One laboratory period per week.

111. College Physics. 4 cr. hrs.
The general principles of mechanics, properties of matter, heat, and sound, with a discussion of some practical applications. Problems and laboratory work are emphasized. For freshmen. First semester. One laboratory period each week.

112. College Physics. 4 cr. hrs.
The general principles of magnetism, electricity, light and modern physics, with a discussion of some of their practical applications. Second semester. One laboratory period per week.

213. General Physics. 5 cr. hrs.
Calculus must be taken prior to or concurrently with this course. Course includes mechanics, sound and heat. Co-requisite: calculus. One laboratory period a week.

214. General Physics. 5 cr. hrs.
Includes electricity, magnetism, electronics, light and modern physics. Co-requisite: calculus. Second semester. One laboratory period a week.

216. Electronics. 3 cr. hrs.
An introductory course including electron circuits, using diodes, triodes, pentodes, beam power amplifier, rectifiers, trigger circuits and transistors. Co-requisite: calculus and Physics 214. Second semester. One laboratory period per week.

316. Atomic and Nuclear Physics. 3 cr. hrs.
A course in modern physics. Includes electron theory, discharge through gases, photoelectric effect, X-rays, atomic spectra and other topics of importance to modern physics and chemistry. Prerequisites: Physics 214 and Mathematics 200. Second semester.

318. Heat and Thermodynamics. 3 cr. hrs.
Includes study of temperature, thermodynamic systems, work, first and second laws of thermodynamics, heat, ideal gases, reversibility, Kelvin temperature, entropy and certain applications. For students of physics, chemistry and engineering. Prerequisite: Physics 214, Math 200. Second semester.

323. 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. Prerequisite: Physics 214 and Math 200. First semester.

324. Electrical Measurements. 1 cr. hr.
Measurements with ammeters and voltmeters, ballistic galvanometers, wheatstone bridges, impedance bridges, potentiometer, standard cells. Other topics include magnetic circuits, induced EMF, measurement of magnetic flux, magnetic tests of iron and steel alternating current, and measurement of resistance, inductance and capacitance. Prerequisite: Physics 214 and Math 200. First semester. Three laboratory hours per week.

332. Analytical Mechanics (Statics). 3 cr. hrs.
Concerned with basic concept, 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: Math 200. Second semester.

333. Optics Laboratory. 1 or 2 cr. hrs.
To follow or accompany Physics 323. First semester. Three hours laboratory work per week for each credit hour.
336. Atomic Physics Laboratory. 1 or 2 cr. hrs.
To follow or accompany Physics 316. Second semester. Three hours laboratory per week for each credit hour.
337. Electro-Acoustical Measurements. 1 or 2 cr. hrs.
To follow or accompany Physics 324. Second semester. Three hours laboratory per week.
- 351, 352, 353, 354. 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. First or second semesters.
415. Electricity and Magnetism. 3 cr. hrs.
Electrostatics, magnetism, resistance, capacitance, inductance, electromagnetic induction, electric circuits. Prerequisites: Physics 214 and Math 201. First semester.
- 443, 444. Physical Mechanics. 3 cr. hrs. each semester
An intermediate course in classical mechanics. The course will include a critical discussion of Newton's laws of motion. The points of departure for quantum mechanics and for relativistic mechanics will be indicated. Other topics will include conservative forces, the forced harmonic oscillator, complex number application to the solution of linear differential equations, Fourier Series applications, vector algebra, elements of vector analysis, integration and differentiation of vectors, motion under a central force, coupled harmonic oscillators, rotating coordinate systems, LaGrange's equations, and introduction to tensors. Prerequisites: Physics 214 and Math 201. First and second semesters.
446. Selected Topics in Modern Physics. 2 cr. hrs.
The course will include an introduction to quantum mechanics, and other topics in modern physics. Second semester.

Astronomy

107. Descriptive Astronomy. 3 cr. hrs.
A study of astronomical terms, heavenly bodies and instruments used in astronomical observations. There will be a brief historical treatment of astronomy and its contributions to other sciences.

POLITICAL SCIENCE

Major: Twenty-four semester hours. It is customary and desirable, though not compulsory, for political science majors to take 101 and 102, preferably in the freshman year, before proceeding with advanced courses. Political Science 221 or 222, 232, 319 or 320 and 322 are required of all majors.

Students not taking 101 will be required to take 319.

The following courses may be taken for credit toward a political science major, up to a maximum of ten hours: Philosophy 233 and 234; Economics 318; Sociology 319; History 337 and 338.

Few political science courses have a rigid prerequisite, but either 101 or 102 will provide a suitable introduction to advanced study. Which of these provides the better background for a particular course is indicated below in some instances where there is no formal prerequisite.

101. Principles of Government. 3 cr. hrs.
An introduction to political science. The student is acquainted with terminology and methods of the study of government through a survey of the principal forms, focusing on political institutions and practices of the United States, Great Britain, France and the Soviet Union. Some attention is devoted to international relations and the "Isms." Also intended for those who plan no further study in political science. First semester.
102. American National Government. 3 cr. hrs.
Formation, development and structure of the American federal system; expansion of federal functions; civil liberties; status and responsibilities of the citizen; parties and interest groups in the political process; structure and functions of the executive, legislative, judicial and administrative branches; special attention to contemporary liberalism and conservatism, both in general and selected basic issues in American public policy. Several discussion groups meet by arrangement. Second semester.
200. State and Local Government. 2 cr. hrs.
Increasing cooperation among the states and with federal and local governments; participation of the citizenry in meeting special problems at state and local levels as governmental functions expand; reforming state and local government; comparison of various forms of state and local government, with some attention to that of Missouri. Prerequisite, 101 or (preferably) 102; may be taken simultaneously with 102. Freshmen admitted by consent of instructor only. Second semester.
221. The American Constitution. 3 cr. hrs.
Evolution of constitutional government in the United States; roots of

the common law; powers of the President, Congress and the courts; federalism. The rise and fall of emphasis on property rights as reflected in judicial interpretation of the contract, commerce, due process and other important clauses of the constitution. Study of leading cases. Suggested background: 102. Freshmen not admitted. First semester.

222. Civil Rights and Liberties. 3 cr. hrs.
The 14th Amendment and "nationalization" of the Bill of Rights; equal protection and school segregation, public accommodations, reapportionment, housing and voting rights; the first amendment and freedom of speech, press, religion, assembly and petition; problems of loyalty and subversive activities; rights in criminal proceedings. Study of leading cases and judicial behavior. Suggested background: 221. Freshmen not admitted. Second semester.
232. American Politics. 3 cr. hrs.
Political parties and pressure groups in the United States, sectionalism and public opinion, party history, organization of the parties, campaigns and elections. Suggested background: 102. Freshmen not admitted. Offered 1968-69. First semester.
- 315, 316. American Political Thought. 2 cr. hrs. each semester
The colonial period; political arguments leading to the American Revolution; political thought as reflected in the writing and adoption of the Constitution; Hamiltonianism, Jeffersonianism, Jacksonian democracy, slavery, influence of religion, literature, sectionalism, and the frontier on American political thought. Reconstruction; the Solid South; influence of "big business"; rugged individualism; social protest; muckraking; the New Freedom; post-war disillusionment; the New Deal and Fair Deal; current trends in American political thought. Offered 1969-70. First and second semesters.
319. Comparative Government: Europe. 3 cr. hrs.
Organization and operation of principal European governments: Great Britain, France, Germany, the Soviet Union. Some attention to other areas; special consideration of ideologies. Suggested background: 101. Freshmen not admitted. Offered 1969-70. First semester.
320. Comparative Government: Developing Nations. 3 cr. hrs.
A study of political systems of emerging areas. Role of the military, middle sectors, students, political leadership, bureaucracy and foreign policy of selected countries of Asia, Africa and South America. Suggested background: 101 or 319. Freshmen not admitted. Offered 1969-70. Second semester.
322. International Politics. 3 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. Suggested background: 101. Freshmen not admitted.

331. Soviet Civilization. 3 cr. hrs.
An intensive study of the basic features of the Soviet system. Roots of Soviet civilization: classical Marxism; international socialism before 1917; imperial Russia. Development and operation of contemporary political, economic and social institutions in the USSR; the nature of totalitarianism. Some attention to foreign policy, literature and science, and the international Communist movement. Freshmen not admitted. Offered 1969-70.
429. Colloquium: Advanced Principles of Political Science. 3 cr. hrs.
Reading and oral reports on basic problems in political science. Designed to draw together subject matter of various courses, emphasizing the unity of the discipline and focusing attention upon fundamental questions that cut across the usual topical subdivisions. Recommended for seniors in political science and others with some advanced study. Prerequisite: 12 hours of political science, or 8 hours of advanced political science (excluding 101, 102), and consent of instructor. Hours to be arranged.
- 431, 432. Research Seminar. 1-3 cr. hrs.
Research on selected topics, determined by the interests of the student. Results of research to be produced in the form of a short thesis. Personal conferences and periodic group meetings. It is possible, by special arrangement, to pursue a single research topic through two semesters for a total of 2 to 4 semester hours of credit. (Note: This course may be taken for 1-hour credit as an *Introduction to Legal Research*, in conjunction with or subsequent to Political Science 221, 222.) Prerequisite: 12 hours of political science and/or consent of instructor. First and second semesters. Hours to be arranged.

PSYCHOLOGY

Recommended major: Thirty semester hours, of which 211, 320, 321, and 322 are required. 211 General Psychology is prerequisite to all other courses in the department.

211. General Psychology. 3 cr. hrs.
A general introduction to psychology as the study of behavior and personality, with an emphasis on the scientific basis of the subject. Both semesters.
212. Educational Psychology. 3 cr. hrs.
Application of psychological facts and principles to learning and teaching. Chief topics of study are learning ability, types of learning, psychological methods and conditions of learning, motivation, transfer of learning and evaluation of achievement. Both semesters.
216. Statistical Methods. 3 cr. hrs.
See Mathematics — Statistics 216 for description. Second semester.

301. **Personal Adjustment.** 3 cr. hrs.
The psychology of personal adjustment, designed to assist the student in understanding the problems of emotional maladjustment and minor personality disturbances of essentially normal individuals. Discussion of preventive and corrective programs, therapeutic measures and resources for mental health. Both semesters.
303. **Abnormal Psychology.** 3 cr. hrs.
A descriptive and explanatory study of the major personality disorders, including psychogenic, psychosomatic and organic problems. Evaluation of current diagnostic and therapeutic procedures. Prerequisite: 301 or permission of the department. Second semester.
304. **Social Psychology.** 3 cr. hrs.
A study of individual behavior and personality in social context. A comparison of cultures and sub-groups in relation to customs, beliefs, attitudes and aspirations, with attention to dynamics of behavior in group interaction. Prerequisite: Sociology 211 or consent of department. First semester.
305. **Personality.** 3 cr. hrs.
A survey of personality theory, with emphasis upon the study of present-day approaches to development, structure, dynamics and evaluation of personality. Prerequisite: 303 or permission of department. Second semester. Offered 1969-70.
306. **Industrial Psychology.** 3 cr. hrs.
A study of the applications of psychology in industry, with particular attention to its relationship to personnel selection and management procedures of evaluation and testing, placement, employee relations and morale, and human factors studies. First semester. Offered 1969-70.
312. **Physiological Psychology.** 3 cr. hrs.
A study of the biological aspects and bases of human behavior: the neural and glandular structures and functions, the sensory and motor equipment, and their significance for a psychological understanding of behavior. Second semester.
317. **Tests and Measurements of Psychology and Education.** 3 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. Second semester. Offered 1969-70.
- 320, 321. **Experimental Psychology.** 3 cr. hrs.
An introduction to psychological experimentation, with an emphasis upon methods and design of experiments. Lecture and laboratory.

Required of majors. No credit will be given toward graduation for only one semester of the subject. Prerequisite: six hours of psychology and junior classification. First and second semesters.

322. **History and Systems of Psychology.** 3 cr. hrs.
The rise and growth of modern psychology in its contemporary expressions. Required of majors. Prerequisite: nine hours in psychology. First semester.
329. **Developmental Psychology: Childhood.** 3 cr. hrs.
A study of child behavior from infancy to pubescence. Emphasis on emotional and social development, personality and the influence of early experiences upon later life. First semester.
330. **Developmental Psychology: Adolescence and Maturity.** 3 cr. hrs.
Continuation of study of the developing person, with emphasis on the physical, mental, social and emotional changes, and the implications of these changes for those who plan to work with youth. Second semester.
334. **Psychology of Exceptional Children.** 3 cr. hrs.
A survey of the types of behavioral patterns or problems of children which require unusual handling by parents, schools and society. Topics will include intellectual processes, both the deficient and the gifted; sensory and motor handicaps, including brain-damage; and emotional handicaps, with special attention to etiology of the problems and community resources available. First semester.
400. **Clinical Psychology.** 3 cr. hrs.
An introduction to the branch of psychology concerned with the diagnosis and treatment of behavior disorders. Problems, methods and investigation in this field will be considered. Prerequisite: 303. Second semester. Offered 1968-69.
- 401, 402. **Research and Readings in Psychology.** 1 or 2 cr. hrs.
Independent work on selected topics or problems on an advanced level. For majors only. Consent of professor required. To be arranged.
412. **Comparative Psychology.** 3 cr. hrs.
The study of animal behavior and the problems and topics of human psychology in which the use of animals is indicated. Comparisons of human and infra-human processes will focus upon both present knowledge and methods of investigation. Second semester.
- 421, 422. **Seminar.** 2 cr. hrs. each year
Discussion and special projects for junior and senior majors at an advanced level. Area of study, 1968-69: counseling. Area of study, 1969-70: motivation and emotion. Consent of department required.

RELIGION

The W. D. Johnson Department of Religion

Major: Twenty-four semester hours, including courses 221, 222, 332, 352, 451, 453. Religion 111 and 112 shall not count toward a major. The student should plan his entire program with the major professor, including the required language and area of concentration. This major is intended to benefit the student who plans to study further in an accredited theological seminary, and the student who finds such further study impractical.

111. Bible History. 2 cr. hrs.
This course gives the student a working knowledge of Bible history. In the first semester, attention is given to background materials and to Old Testament history. Required for graduation. First and second semesters.
112. Bible History. 2 cr. hrs.
The Interbiblical period and the New Testament. Required for graduation. First and second semesters.
143. Church Administration. 2 cr. hrs.
The minister's task as educational leader, pastor, administrator, preacher and community leader will be discussed. Designed for freshmen who expect to seek pastorates while in college. First semester.
221. Life and Teachings of Jesus. 3 cr. hrs.
A historical-theological interpretation of the person and ministry of Jesus. Freshmen are admitted to this course. First semester.
222. Life and Letters of Paul. 3 cr. hrs.
Paul and his writings are studied in the context of the developing Christian community. Freshmen are admitted to this course. Second semester.
224. The General Epistles, Hebrews, and Revelation. 3 cr. hrs.
An interpretive study of these writings, with an investigation of their historical backgrounds and relationships. Second semester.
252. Christian Missions. 2 cr. hrs.
An examination of the biblical-theological basis for a Christian world mission, with a consideration of the relevance of the Christian message for the contemporary world. First semester.
331. History of the Church: Early. 3 cr. hrs.
A survey of Christian history to the Reformation. First semester.

332. History of American Christianity. 3 cr. hrs.
A survey of Christianity in America, with attention to denominational development. Text: *History of Religion in the U.S.*, Olmstead; library references. First semester.
333. History of the Baptists. 2 cr. hrs.
Particular attention is given to the rise of Baptists in America. European background is also surveyed. Second semester.
334. History of the Church: Reformation and Later. 3 cr. hrs.
A survey of the Reformation and modern periods in Christianity. Emphasis is on sources and readings. A continuation of 331. Second semester.
343. History of Christian Worship. 3 cr. hrs.
A survey of the worship traditions of the Christian church. Investigation into the origins of Christian worship, its growth in various confessions, East and West, and modern efforts to re-discover worship. Attention will be given to devotional classics. Alternates with Religion 332. First semester.
352. Israel's Religious Heritage. 3 cr. hrs.
An examination of the main currents of Hebrew religious thought as reflected in the historical, prophetic, poetic and wisdom literature of the Old Testament. First semester.
451. The Religions of Mankind. 3 cr. hrs.
A survey of the major religions of the world, past and present. First semester.
453. Basic Christian Doctrines. 3 cr. hrs.
A study of the doctrines of the Bible, with attention given to such subjects as revelation, inspiration, sin, sanctification, ecclesiology and atonement. Second semester.
455. Seminar. 3 cr. hrs.
Reading, research and seminar discussion covering some phase of present-day religious interest. Seniors only. Seminar topic 1969: "Archaeology and History of Palestine."
456. Religion in the Modern World. 3 cr. hrs.
A study of the relevance of Christianity to issues faced by students in our secular society. Problems such as race relations, separation of church and state, validity of the Christian witness to the non-Christian world, ecumenicism, "new morality" and others will be explored. Second semester.
457. Travel Seminar in the Mediterranean World. Credit by arrangement.
Travel and study in Italy, Greece, Turkey, Israel and other areas,

emphasizing the places of importance to Biblical and early Christian history. Offered summer 1969.

SOCIOLOGY

Major: Twenty-four semester hours, including courses 211, 319 and 412.

211. Introduction to Sociology. 3 cr. hrs.
This introductory survey of the science of sociology includes a study of the scope, methodology and terminology of sociology. Culture, personality, group behavior, social institutions and social change are among the topics discussed. Freshmen are admitted. First and second semesters.
218. Social Work. 2 cr. hrs.
A survey of the nature and philosophy of social work, its historical background, the 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. Second semester.
300. The Community. 3 cr. hrs.
The structure and function of rural and urban communities in a contemporary society is the subject of this course. This includes the social problems of slums, ghettos, tenements and isolation of a social or geographical nature. Principles and practices of community reorganization and redevelopment are scientifically evaluated. First semester.
301. The Sociology of Aging. 3 cr. hrs.
An examination of the effect of aging upon the social structure. Attention is given to the changes in the economics, political, religious, family and medical systems resulting from the increase in life expectancy. Second semester.
304. Social Psychology.
For course description see Psychology.
313. The Dynamics of Population Growth and Control. 3 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.
319. Methods of Social Research. 3 cr. hrs.
The application of research techniques to the social sciences. This includes the theory of social research, research design, techniques of

collecting and processing data, analyzing data, and research reporting. Laboratory work required. Prerequisite: 12 hours in social science, including 211, or consent of instructor. Second semester.

322. Criminology. 3 cr. hrs.
A study of the nature, causes and consequences of crime; variations in criminal and delinquent behavior by social class, ethnic groups, and geographical areas; an evaluation of various methods of treatment and prevention of crime. First semester.
326. The Family. 3 cr. hrs.
A study of family structure and functions; the changing role of the family in history; significant social characteristics of American family life; the family as a unit of interacting personalities; family organization, family disorganization and reorganization. First and second semesters.
332. Cultural Anthropology. 3 cr. hrs.
A systematic introduction to cultural anthropology. Special attention is given to simple or primitive societies, with applications of results to contemporary complex societies. The nature and process of cultural development are studied in connection with the language, institutions and stateways of peoples. Second semester.
338. Race Relations. 3 cr. hrs.
Racial and ethnic minorities in the United States, and the Negro race especially, 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. First semester.
401. Bureaucracy and the Professions. 3 cr. hrs.
Analysis of the relationship between social organization and the nature of work. Special consideration is given to the structure and function of bureaucracy as it affects the work process and social values. The implications and assumptions involved in the professionalization of work are also examined. Offered on demand.
412. Social Theory. 3 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 sociological theory, contemporary social theory. Prerequisite: 211. First semester.
- 427, 428. Readings in Sociology. 1 or 2 cr. hrs.
Readings are assigned from the works of prominent sociologists. Individual reports are arranged. For seniors. First and second semesters.

- 431, 432. Research Seminar. 2 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 319. Co-requisite: Mathematics 216, Statistics or equivalent. First and second semesters.

SPEECH AND THEATRE

Major: Twenty-four hours in courses numbered 200 or above, including 201, 203, 331, 336, 337, and 402.

- 101, 102. Fundamentals of Speech. 2 cr. hrs. each semester
A study of vocal mechanism, voice improvement and bodily activity in speech. Preparation and delivery of different types of speeches. Problems of audience adaptation. Recordings are made of each student's voice. These two courses fulfill the graduation requirement in speech.
- 101A. Fundamentals of Speech. 3 cr. hrs.
Designed for advanced students, this course accomplishes the basic work of Speech 101-102 in one semester. Admission by selection of the speech staff. Fulfills the graduation requirement in speech. First semester.
201. Argumentation and Debate. 3 cr. hrs.
The fundamentals of argumentative speech: analysis, outlining, evidence and use of reasoning. Recommended for debaters, pre-law, ministerial, and missionary students. First semester.
202. Persuasive Speech. 2 cr. hrs.
Study and practice in the construction and delivery of persuasive speeches, with special attention to the needs of ministerial and missionary students. Training for participation in oratory and extemporaneous speaking. Second semester.
203. Introduction to the Theatre. 3 cr. hrs.
Provides an overview of the entire area of theatre, serving as a basis for further study for students continuing in the field, as well as a general course to fulfill the theatre requirement for speech majors. Explores dramatic genres, certain technical elements and basic theories of acting and directing. Students observe rehearsal and fulfill duties in college theatre productions. First semester.
205. Religious and Educational Theatre. 2 cr. hrs.
Seeks to prepare future teachers and church workers to produce plays as aids to learning. Discussion and demonstration of production methods with limited budgets and physical facilities. Analysis of theatre pieces and productions in churches and schools, basic concepts of acting, directing and writing. Includes production of a short play to tour area

schools and churches. Students observe rehearsal and fulfill duties in college theatre productions. Alternate years. Offered 1969-70. First semester.

239. Acting. 3 cr. hrs.
Demonstrates the basic techniques of acting. Emphasis on analysis of character, character relations, emotional response and situations. Laboratory practice in scenes from plays of various periods, and in the Experimental Theatre series. Second semester.
300. Parliamentary Procedure. 1 cr. hr.
Study of organizational structure, training in parliamentary procedure and investigation of the rationale of group functioning. No prerequisite. Alternate years. Offered 1969-70. Second semester.
302. Play Direction. 3 cr. hrs.
Study of the theory and practice of directing theatrical productions. Deals with the philosophy of theatre practice, analysis of plays for production, play selection and casting, and management of a producing organization. Practical application of principles by the production of plays in the Experimental Theatre series, with students serving as directors. Second semester.
303. Technical Production. 2 cr. hrs.
Theory and practice in the design and construction of stage scenery, lighting and costumes. Development of floor plans, sketches and scale models. Special emphasis on the needs of the public school teacher. Alternate years. Offered 1968-69. First semester.
304. History of Theatre. 3 cr. hrs.
Study and discussion of the development of the physical, social and cultural aspects of the theatre in the Western world, from the ancient Greeks to the present. Second semester.
310. Introduction to Broadcasting. 2 cr. hrs.
A study of the social aspects of broadcasting, with some attention given to the development of educational programs. Freshmen admitted on consent of instructor. First semester.
325. British and American Public Address. 3 cr. hrs.
Historical and critical study of significant British and American speakers, with analysis of structure, content and influence of their works. Alternate years. Offered 1969-70. Second semester.
331. Oral Interpretation of Literature. 3 cr. hrs.
Reading as a creative process. Individual guidance and practice designed to help the student perfect his skill in oral reading, so that he can share with others the meaning of all types of literature. Each student plans a program to be presented as one of a series of reading hours. Not open to freshmen. First semester.

334. **Advanced Oral Interpretation of Literature.** 2 cr. hrs.
 Study of program material and planning; study of the platform art in the presentation of monologue, story and play forms, as well as arrangement of dramatic material for Reading Theatre. Each student will plan and present several programs during the semester, including cuttings from novels and plays. Prerequisite: Speech 331. Second semester.
336. **Phonetics and Voice Training.** 2 cr. hrs.
 The articulation and enunciation of the English language, and a study of the anatomy and physiology of vocal mechanism. First semester.
337. **Speech Correction.** 3 cr. hrs.
 Study of the more common speech disorders, and methods used in correcting them. First semester.
338. **Introduction to Hearing Problems** 3 cr. hrs.
 Study of the physics of sound as applied to the hearing mechanism; audiometric testing processes. Forty hours of clinical testing. Alternate years. Offered 1969-70. Second semester. Admission by consent of instructor.
- 340A **Voice and Articulation Problems.** 3 cr. hrs.
 Study of the diagnosis and treatment of problems in voice and articulation. Special attention will be given to professional vocabulary and public school correction programs. Designed for students interested in speech correction as a profession. Alternate years. Offered 1968-69. Prerequisite: Speech 337. Second semester.
- 340B **Voice and Articulation Problems. Practicum.** 1 or 2 cr. hrs.
 Clinical practice with various types of speech and hearing disorders among college students and public school pupils. Students must work 2½ hours per week for one semester hour of credit. The planning of lessons and keeping of records is stressed. Prerequisite: Speech 337.
- 401 **Credit in Speech Activities.** 1-4 cr. hrs.
 For the combining of quality and quantity of work done in forensics, theatre and other approved areas, students may be awarded scholastic credit. The total amount of credit shall not exceed 4 hours. This provision does not preclude the taking of speech courses for additional credit. The forensic squad meets regularly, September to April. Theatre activity is assigned by the theatre director.
402. **Speech Seminar.** 1 cr. hr.
 Required of senior speech majors as preparation for graduate work. First semester.



Men's new residence hall





Simple women's residence hall

Financial Information

PAYMENTS TO THE COLLEGE

All students are required to accompany their applications with a non-refundable \$10 application fee. No applications are processed without this payment.

It is assessed as follows:

RESIDENT APPLICANTS APPLYING FOR ADMISSION BEFORE JUNE 1

Students who expect to live in one of the residence halls should submit a \$10 non-refundable fee with the application for admission. The applicant *must send a room reservation deposit of \$50* within thirty days after notice of acceptance is received. Space in the residence halls cannot be guaranteed unless this deposit is made. Should the applicant cancel his application for admission before June 1, the room deposit will be refunded. After June 1, the room deposit is refundable only (1) if the applicant is physically unable to enroll, or (2) should the college be unable to complete a contract with the applicant (e.g., lack of space in residence halls). The \$50 is applicable to the student's costs when he completes his registration. *If applicant applies for admission after June 1, a \$60 deposit must accompany the application.* Fifty dollars of this amount is refundable only if the applicant is physically unable to enroll, or should the college be unable to complete a contract with the applicant because of lack of space in residence halls. The \$50 deposit is applicable to the applicant's costs upon completion of registration.

ADVANCE PAYMENTS

It is suggested that further advance payments may be made prior to the beginning of each semester by systematic monthly payments,

or by lump-sum payments, and all payments will be receipted and properly credited.

Students desiring to use the college time-payment plan will pay, upon registration, a minimum of one-half of the amount due, and make a note with approved co-signer for the balance, with the understanding that this total balance will be liquidated in monthly payments before the end of each semester. The college makes a deferment charge of five per cent on the amount of the note. Application for use of deferred (time-payment) plan must be made on or before August 15 for the first semester, or December 15 for the second semester. Information about this and other payment plans can be obtained from the office of student affairs.

All college charges are made for one semester at a time. The full amount of one semester's charges, less credit for deposits, is payable on or before August 15 for the fall semester and on or before December 15 for the second semester.

DEFERRED PAYMENT OF EDUCATION COSTS

For students desiring to pay education expenses in monthly installments, low-cost deferred programs are available through *Education Funds, Inc.* and *Tuition Plan, Inc.* These plans provide for payments directly to the loaning agency at a reasonable interest rate, depending on the number of years selected for repayment. Provisions are also made for insurance on the parents during the term of the loan. For further information, write to the bursar.

SUMMER SCHOOL APPLICANTS

All summer school applicants must follow the same admission procedures required of regular students entering the college for the first time. A \$10 application fee must be submitted with the application form and the other credentials specified therein. This fee is not refundable.

ROOM RESERVATION DEPOSIT

A room reservation deposit of \$50 is required, on or before April 15, of all returning students desiring accommodations in one of the college dormitories. It is refundable *only* if cancelled for cause prior to June 1.

EFFECT OF FINANCIAL DELINQUENCY

Students whose financial accounts with the college are in unsatisfactory condition will not be permitted to take semester examinations, nor will they be graduated. Room, board and student privileges are subject to suspension until the student's accounts are in a condition satisfactory to the college.

REFUNDS

If a student is obliged to withdraw because of protracted illness, certified to by an attending physician, the unused portion of the board paid in advance will be refundable.

Tuition will be refundable for withdrawal, for other than disciplinary reasons, on the following scale:

| | | | |
|--------------------|-----|-------------------|------|
| Two weeks or less | 80% | During fifth week | 20% |
| During third week | 60% | After five weeks | None |
| During fourth week | 40% | | |

The same refund schedule applies to students reducing their registration to seventeen credit hours, or below twelve credit hours.

There is no refund for room rent, and all rights to the room are forfeited when it is vacated.

All *fees* are non-refundable.

No refund of tuition, room or board will be made for a student who is dismissed for disciplinary reasons.

If, for any reason, a student who is receiving financial assistance from the college should withdraw, the aid is automatically cancelled, and the amount cannot be applied toward settlement of his financial obligation to the college.

TRANSCRIPTS

Transcripts of credits are not issued until all accounts due the college have been satisfactorily settled with the bursar's office.

COLLEGE COSTS

| 1969-70 Session | Per semester | Per year |
|-------------------------------|--------------|----------------------------|
| Tuition and fees (12-17 hrs.) | \$ 700.00 | \$1,400.00 |
| Room | 187.50 | 375.00 |
| Board | 287.50 | 575.00 |
| Total | \$1,175.00 | \$2,350.00 for 9 months |

Church-related vocation male students, unmarried sons and daughters of ministers, candidates for foreign mission service, ministers and ministers' wives carrying 12-17 semester hours will receive financial grants in the amount of

| | |
|--------------|--------------------|
| Per semester | Per year |
| \$250 | \$500 for 9 months |

Application for this award must be made to the chairman of the department of religion. A written authorization card must be presented at enrollment time prior to each semester.

No provision is contained in the above summary for books, or for contingent items, such as special fees and applied music fees (see page —), or for incidental expenses, which will vary according to the needs and requirements of the individual student. The cost of books and supplies may be estimated at \$75-\$100 for the year.

Note:

(a) Unmarried sons and daughters of Baptist missionaries serving on foreign fields are given an award in the amount of full tuition. All fees are payable in full.

(b) Students registering for less than 12 semester hours pay \$60 per semester hour; except for church-related vocation male students, unmarried sons and daughters of ministers, candidates for foreign mission service, ministers and ministers' wives, who pay \$36 per semester hour.

(c) All students taking more than 17 semester hours in a semester pay \$25 for each credit hour above 17, except that two hours will be allowed over 17 without extra cost, if in applied music. This allowance applies to vocal and instrumental ensembles, as well as to individual lessons.

All students will be assessed charges for damages to college properties and furnishings. An invoice will be rendered to the student and his account charged accordingly.

The College reserves the right to adjust any and all costs, should economic conditions warrant.

SPECIAL FEES

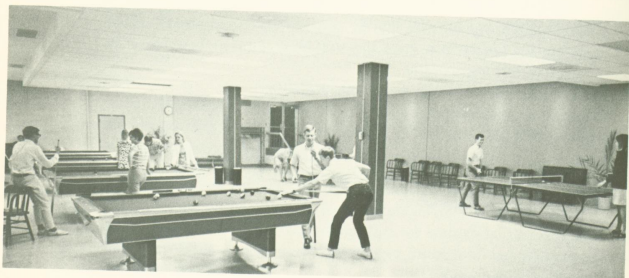
| | |
|---|-------|
| For late registration (see calendar for date effective) | \$ 25 |
| For late payment fee | 15 |
| For change of course after registration, each credit hour | 1 |
| For students taking either Education 411-12, Supervised Student Teaching in the Elementary School; or Education 423-4, Supervised Student Teaching in High School—there is a special fee of | 75 |
| Graduation fee, seniors only, payable at time of fall registration | 15 |
| For auditing any course, part-time students, per semester hour | 15 |

MUSIC FEES

In addition to tuition charges as provided above, fees for private one-half-hour music lessons, for class music lessons and for instrument rental are as follows:

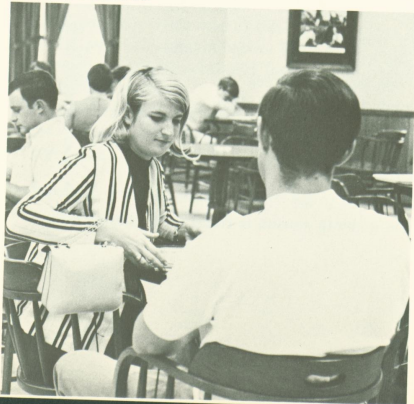
| <i>Activity</i> | <i>Per semester</i> |
|---|---------------------|
| Music majors: | |
| one lesson per week | \$ 36 |
| two lessons per week | 72 |
| Non-music majors: | |
| one lesson per week | 60 |
| two lessons per week | 120 |
| Special students: one lesson per week | 60 |
| Piano practice rental: for one period daily | 6 |
| Organ practice rental: for one period daily | 15 |
| Stringed instrument rental | 6 |
| Wind instrument rental | 6 |
| Voice class | 12 |

The fee for the 9-month session is twice the semester fee.



Yates Union snack bar

Yates Union game room



Administration and Faculty

BOARD OF TRUSTEES

E. C. ADAMS, residence, R. D. Mize Road, Blue Springs, Mo. 64015; business address, P.O. Box 128, Blue Springs, Mo. 64015.

Chairman of the board, Adams Dairy Company; chairman of building committee two years at Baptist Memorial Hospital, member of executive board Baptist Memorial Hospital, president of board of trustees for 1964, re-elected for 1965 Baptist Memorial Hospital; president of Jackson County Farm Bureau four consecutive years, past member of Missouri Farm Bureau Federation eight consecutive two-year terms. Baptist.

E. E. AMICK, residence, 6740 Rockhill Road, Kansas City, Mo. 64131; business address, 2804 Commerce Towers, Kansas City, Mo. 64105.

Representative, Equitable Life Assurance Society of the United States; president and director, Midland Finance Corporation; director, Y.M.C.A., Helping Hand Institute, Kansas City, Mo.; secretary-treasurer, William Jewell College; Baptist.

WILLIAM P. BROWNING, JR., residence, 3108 West 67th St., Shawnee Mission, Kan. 66208; business address, Livestock Exchange Building, Kansas City, Mo. 64102.

President, William P. Browning and Son, ranch management and livestock; Baptist.

R. E. COOPER, residence, 3807 Roanoke Road, Kansas City, Mo. 64111; business address, 4910 East Gardner, Kansas City, Mo. 64120.

Secretary-treasurer, Cooper-Jarrett, Inc. Motor Freight Lines; Baptist.

WILLIAM A. CROUCH, residence, 239 Chasselle Lane, St. Louis, Mo. 63141.

Regional director, Chemical Associates of Houston, Texas; former vice president, Adams Dairies, St. Louis; deacon, Kirkwood Baptist Church, Kirkwood, Mo.; Baptist.

JOE E. CULPEPPER, residence, 630 West Meyer Boulevard, Kansas City, Mo. 64113; business address, Dwight Building, Kansas City, Mo. 64105.

Senior vice-president, Spencer Chemical Division, Gulf Oil Corporation, Kansas City, Mo.; vice president, Board of Trustees of William Jewell College; Baptist.

CHARLES E. CURRY, residence, 6415 Wyoming, Kansas City, Mo. 64113; business address, 1006 Grand, Kansas City, Mo. 64106.

President, Mid-America Fire and Marine Insurance Co., president, Charles F. Curry and Company; president, Charles F. Curry Real Estate Company; chairman, executive committee, Home Savings Association, Kansas City, Mo.; director, Federal Home Loan Bank of Des Moines, Iowa; member, executive committee of Southern Baptist Convention; member executive board, Missouri Baptist Convention; Baptist.

CHARLES F. CURRY, residence, 221 West 48th Street, Kansas City, Mo. 64112; business address, 20 West Ninth Street, Kansas City, Mo. 64105.

Chairman of the board, Charles F. Curry and Company; president, Mid-America Investment Company; chairman of the board of directors, Home Savings Association, Kansas City, Mo.; vice president, Baptist Memorial Hospital, Kansas City, Mo., trustee, Midwestern Baptist Theological Seminary, Kansas City, Mo.; mortgage banker, builder, land developer; president emeritus, board of trustees of William Jewell College; Baptist.

GRANT DAVIS, residence, 1334 East Delmar, Springfield, Mo. 65804; business address, 205 Empire Building, Springfield, Mo. 65806.

Partner, Davis-Bass Insurance Agency, Springfield, Mo.; past president, Missouri Baptist Brotherhood; Missouri member, Southern Baptist Brotherhood Commission; Baptist.

HOMER EARL DeLOZIER, residence, 1700 Bellevue, St. Louis, Mo. 63117; business address, 3526 Washington Blvd., St. Louis, Mo. 63103.

Minister; supt. of missions, St. Louis Baptist Assn.; executive secretary, St.

Louis Baptist Mission Board, 1955; president, St. Louis Baptist Ministers' Conference, 1946, Missouri Baptist Ministers' Conference, 1948; president of board of managers, 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.

ROBERT F. KEATLEY, residence, 2707 Clay, St. Joseph, Mo. 64501; business address, P.O. Box 24, Cameron, Mo. 64429.

President, Trailer Investment Company; president, Franklin Enterprises, Inc.; president, Farmers State & Peoples Bank, Union Star, Mo.; president, Bank of Edgerton, Edgerton, Mo.; Baptist.

ARTHUR L. LAND, residence, 6311 W. 91st, Route 1, Overland Park, Kan. 66203; business address, 7721 State Line, Suite 101, Kansas City, Mo. 64114.

President, Southwest Acceptance Corporation; president, board of trustees, Baptist Memorial Hospital, Kansas City, Mo.; Baptist.

RUSSELL E. NEWPORT, residence, 1504 S. Clay, Springfield, Mo. 65804; business address, Newport Stores, Inc., Springfield, Mo. 65804.

President, Newport Stores, Inc., Springfield, Mo.; member, First Baptist Church, Springfield, Mo.; trustee, Baptist Memorial Hospital; Baptist.

FRED H. PILLSBURY, residence, 680 South McKnight Road, St. Louis, Mo. 63124; business address, 1806 Pine St., St. Louis, Mo. 63103.

Industrialist; president, Century Electric Co., St. Louis, Mo.; Baptist.

J. NEIL SMITH, residence, 6449 Overbrook Road, Shawnee Mission, Kan. 66208; business address, 20 West 9th St., Kansas City, Mo. 64105.

Vice-president and director, Continental Research Corporation; director, Employers Reinsurance Corporation, Washington Water Power Co., Helping Hand Institute; Baptist.

ELLIOTT C. SPRATT, residence, 706 South 13th., St. Joseph, Mo. 64501.

Secretary, Hillyard Chemical Company; vice-president, The Hillyard Sales Co., Eastern; retiring president and director, manufacturers division of the National Terrazzo and Mosaic Association; vice-president, industrial division, St. Joseph Chamber of Commerce; past president, director and member of executive committee of Producers' Council; board of governors, Missouri Baptist Hospital, St. Louis; board of trustees, Baptist Memorial Hospital, Kansas City, Mo.; president of board of trustees of William Jewell College; Baptist.

HARVEY M. THOMAS, Ph.D., residence, 617 Jefferson Circle, Liberty, Mo. 64068.

Psychological consultant to management; partner, Thomas and Associates; Baptist.

NATHAN A. TOALSON, residence, South Jefferson St., Centralia, Mo. 65246; business address, 210 North Allen Street, Centralia, Mo. 65246.

President and director, A. B. Chance Company, Centralia, Mo.; chairman of the board and director, A. B. Chance Company of Canada, Ltd., Toronto; director, Pitman Manufacturing Company, Grandview, Mo.; trustee, Chance Foundation; member of the Missouri Baptist Hospital Association, St. Louis, Mo.; Baptist.

WILLIAM E. TURNAGE, residence, 509 Nashua Rd., Liberty, Mo. 64068; business address, 17 North Water, Liberty, Mo. 64068.

Partner in the law firm of Sevier & Turnage, Liberty, Mo.; chairman of Clay County Democratic Central Committee, 1960-62; city attorney, Liberty, 1955 to date; assistant prosecutor Clay County, Mo., 1952; member of the State Commission on Local Government, governor's appointee since 1961; president of Clay-Platte Health and Welfare Council; board of directors, Liberty Chamber of Commerce; moderator of Clay-Platte Baptist Association; member of board of managers, Missouri Baptist Children's Home; deacon, Second Baptist Church, Liberty, Mo.; Baptist.

REX M. WHITTON, residence, 4320 Montclair Ave., Independence, Mo. 64050; business address, 1805 Grand, Kansas City, Mo. 64108.

Associate, Howard, Needles, Tammen & Bergendoff, consulting engineers; former chief engineer, Missouri State Highway Department and former Federal Highway Administrator; Baptist.

CARL F. WILLARD, residence, 634 West 66th Terrace, Kansas City, Mo. 64113; business address, 20 West Ninth Street, Kansas City, Mo. 64105.

Vice president and director, Home Savings Association; assistant to the chairman of the board of Charles F. Curry and Company; member, Kansas City Chamber of Commerce; Real Estate Board; trustee, Baptist Memorial Hospital; deacon, Calvary Baptist Church, Kansas City; Baptist.

GEORGE J. WINGER, residence, 4615 Charlotte, Kansas City, Mo. 64110; business address, Rm. 500—Board of Trade Bldg., Kansas City, Mo. 64105.

Attorney; director, Helping Hand Institute, Kansas City, Mo.; Baptist.

JOHN B. WORNALL, JR., residence, 310 West 49th St., Kansas City, Mo. 64112; business address, Insurance Exchange Bldg., 21 West 10th St., Kansas City, Mo. 64105.

Senior vice-president and treasurer, Employers Reinsurance Corporation; member, board of directors, Employers Reinsurance Corporation; United Funds, Inc.; Sentinel Federal Savings and Loan Assn.; member, corporate board of directors, Blue Cross and Blue Shield; Baptist.

WILLIAM F. YATES, residence, 439 East Main, Richmond, Mo. 64085; business address, Exchange Bank of Richmond, Richmond, Mo. 64085.

Banker; chairman of the board, president and director of Exchange Bank of Richmond, Mo.; president and director, Richmond Loan and Realty Company; director, Richmond Savings and Loan Assn.; treasurer and director, the Sunnyslope Cemetery Company, Richmond, Mo.; president and director, Ray Land Co.; Baptist.

TRUSTEE EMERITUS

ALBERT L. REEVES, 305 Edgewater Drive, Dunedin, Fla. 33528.

OFFICERS OF THE ADMINISTRATION

B. G. Olson, A.B., M.A., *Acting President*, Greene Hall 300.

John A. Pond, B.B.A., M.B.A., *Vice President of Business Administration (Asst. Secretary to Trustees of William Jewell College)*, Greene Hall, 106.

E. W. Holzapfel, A.B., M.S., LL.D., *Vice President of Student Affairs*, Greene Hall, 210.

Bruce R. Thomson, A.B., B.D., Th.M., M.A., Ph.D., *Dean of the College*, Greene Hall, 206.

E. E. Amick, *Treasurer*, 2804 Commerce Towers, Kansas City, Mo.

ADMINISTRATIVE STAFF

John G. Barth, A.B., B.D., *Director of Alumni Services*, Greene Hall, 305.

Terry W. Bashor, A.B., *Admissions Counselor*, Greene Hall, 208.

Herb T. Branson, B.A., *Director of Public Relations*, Greene Hall 308.

Harles E. Cone, A.B., B.D., *Dean of the Chapel*, Library Building, C-34.

Alford W. Coffman, *Bursar (Assistant Treasurer of the Trustees of William Jewell College)*, Greene Hall, 104.

William J. French, A.B., *Admissions Counselor*, Greene Hall, 203.

Deola Gairrett, *Registrar*, Greene Hall, 207.

Glenn W. Hendren, M.D., L.L.D., *College Physician*, 112 North Water Street, Liberty, Mo.

William A. Honeycutt, Jr., B.S., *Admissions Counselor*, Greene Hall, 203.

Mrs. D. J. Kenagy, B.S., *Admissions Counselor*, 5727 College Avenue, Indianapolis, Ind.

Mrs. Billie Leatherman, *Disbursements Supervisor*, Greene Hall, 101.

Claude E. Mikkelsen, A.B., M.A., *Admissions Counselor*, 810 Atalanta, Webster Groves, Mo.

Dean Nay, B.S., *Director of Food Service*, Yates College Union.

James A. Nelson, A.B., M.A., *Dean of Men*, Greene Hall, 104.

Dorothy Patterson, A.B., *Dean of Women*, Greene Hall, 204.

Norris A. Patterson, B.S., A.M. Ed.D., *Director of Athletics and Coordinator of Special Projects*, Brown Gymnasium.

Jack Petty, *Superintendent of Buildings and Grounds*, Greene Hall, 103.

John E. Pickelman, A.B., *Director of Student Activities*, Yates College Union.

Mrs. Jean Schmidt, B.S., *Director of News Bureau*, Greene Hall, 307.

William A. Unger, A.B., *Controller and Internal Auditor*, Greene Hall, 101.

Harley Wyatt, Jr., A.B., *Director of Admissions and Student Records*, Greene Hall, 209.

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

FACULTY 1968-69

(Date after name indicates year of first appointment.)

BRUCE R. THOMSON, 1959

Dean of the college and professor of sociology

AB, 1949, William Jewell College; BD, 1952, ThM, 1953, Southern Baptist Theological Seminary; MA, 1955, University of Louisville; PhD, 1959, Florida State University

WILLIAM W. ADAMS JR., 1955

Chairman of department and professor of political science

AB, 1951, MA, 1954, University of Kansas; further graduate study at University of Kansas, University of Missouri — Kansas City (UKC), University of Munich, University of Oklahoma; PhD, 1968, Columbia University

GEORGIA B. BOWMAN, 1947

Chairman of department and professor of speech

AB, 1934, William Jewell College; BJ, 1937, University of Missouri; AM,

1941, Iowa State University; PhD, 1956, University of Iowa; further study, University of Denver and Northwestern University

OSCAR S. BROOKS, 1963

Professor of religion

BA, 1949, Carson-Newman College; BD, 1954, ThD, 1959, Southern Baptist Theological Seminary; further study, Pacific School of Religion, Hebrew Union College Summer Institute in Near Eastern Studies, Israel

DONALD C. BROWN, 1967

Assistant professor of music

AB, 1961, University of South Carolina; MCMus, 1964, doctoral candidate, Southwestern Baptist Theological Seminary

WILBUR J. BRUNER, 1936

Acting chairman of department and professor of modern languages

AB, 1932, William Jewell College; AM, 1933, University of Kansas; further graduate study, University of Mexico, Brown University, University of Missouri — Kansas City (UKC)

*JOHN BUGERA, 1966

Assistant professor of business administration and economics

AB, 1962, William Jewell College; MS, 1965, doctoral candidate, University of Kansas

PAUL G. CANTRELL, 1963

Associate professor of psychology

AB, 1950, Oklahoma Baptist University; BD, 1953, Southern Baptist Theological Seminary; MA in Ed, 1961, EdD, 1963, University of Kentucky

EDGAR CHASTEEN, 1965

Associate professor of sociology

BA, 1957, MA, 1959, Sam Houston State College; PhD, 1965, University of Missouri; graduate study, 1961, University of Texas

LUTIE CHILES, 1950

Professor of education and director of elementary education

AB, 1940, William Jewell College; MA, 1947, Northwestern University; further graduate study, New York University, University of Hawaii

W. BRADFORD CONNOR, 1964

Acting chairman of department and assistant professor of Latin

AB, 1959, Boston University; AMT, 1960, Harvard University; further graduate study, Tufts University and summer studies in Sanskrit at University of Chicago, University of Illinois, Michigan State University

MYRA L. COZAD, 1961

Assistant professor of English

AB, 1960, William Jewell College; MA, 1963, Washington University; further graduate study, University of Kansas

WILLIAM W. CUTHBERTSON, 1958

Chairman of department and professor of history

AB, 1952, William Jewell College; BD, 1955, Southern Baptist Theological Seminary; PhD, 1962, University of Rochester

ELLA DAVIDSON, 1961

Associate professor of education

AB, 1937, William Jewell College; MA, 1940, Columbia University Teachers College; further graduate study, Northwestern University, University of Kansas, University of Missouri at Kansas City

MARVIN P. DIXON, 1965

Associate professor of chemistry

AB, 1960, William Jewell College; MS, 1963, PhD, 1965, University of Illinois

ROBERT A. DYAL, 1966

Assistant professor of philosophy

AB, 1953, Baylor University; BD, 1957, Southwestern Baptist Theological Seminary; PhD, 1968, Boston University; further graduate study, Baylor University and Southwestern Baptist Theological Seminary

FRANK G. EDSON, 1929

Chairman of department and professor of chemistry

AB, 1925, William Jewell College; AM, 1929, PhD, 1933, University of Colorado; further study, University of Chicago, University of Minnesota, University of Southern California; National Science Foundation Fellow, 1957-58, Harvard University

FREDERICK E. FLOOK, 1962

Instructor of physical education and baseball coach

BS, 1958, further graduate study, Kansas State Teachers College

WESLEY L. FORBIS, 1962

Chairman of department and professor of music

BME, 1952, MA, 1957, University of Tulsa; MM, 1955, Baylor University; doctoral candidate, George Peabody College

CHARLES DON GEILKER, 1968

Associate professor of physics

AB, 1955, William Jewell College; MA, 1957, Vanderbilt University; PhD, 1968, Case Western Reserve University

BERNICE B. GONZALEZ, 1964

Associate professor of modern languages

AB, 1926, Bethel College; MA, 1943, George Peabody College; further graduate study, University of Missouri — Kansas City (UKC), Middlebury College

DARREL W. GOURLEY, 1958

Associate professor of physical education

BS, 1949, Northeast Missouri State College; MEd, 1952, University of Missouri; further graduate study, University of Indiana

KATHERINE GRIFFITH, 1965

Visiting instructor in French

BA, 1956, University of Minnesota; MA, 1957, University of Wisconsin

LARRY MAX HAMILTON, 1967

Assistant professor of physical education

AB, 1961, William Jewell College; MS, 1967, Central Missouri State College

RICHARD L. HARRIMAN, 1962

Acting chairman of department and associate professor of English

AB, 1953, William Jewell College; MA, 1960, Stanford University; further graduate study, Stanford University, Shakespeare Institute, Oxford University

DOUGLAS J. HARRIS, 1966

Professor of religion

BA, 1937, Georgetown College; ThM, 1940, ThD, 1948, Southern Baptist Theological Seminary; further study, University of Edinburgh, Vanderbilt University

LUCINDA L. HEATON, 1968

Instructor in economics

BBA, 1967, MA, 1968, Southern Methodist University

JOHN A. HICKMAN, 1968

Assistant professor of physical education and basketball coach

AB, 1961, William Jewell College; MS, 1963, University of Wisconsin; doctoral candidate, Southern Illinois University

WALLACE A. HILTON, 1946

Chairman of department and professor of physics

AB, 1933, William Jewell College; AM, 1939, EdD, 1941, University of

Missouri; MS, 1948, University of Arkansas; further study, Massachusetts Institute of Technology, University of Wisconsin, University of New Mexico

W. CARL HUNKER, 1968

Visiting professor of religion and history

AB, 1940, William Jewell College; ThM, 1943, ThD, 1946, Southern Baptist Theological Seminary

THURSTON F. ISLEY, 1930

Chairman of department and professor of education

AB, 1928, William Jewell College; MEd, 1930, University of Kansas; further graduate study, University of Kansas, University of Wisconsin, University of Missouri, University of Wyoming

WILLIAM R. JOHANSEN, 1960

Instructor in art

BFA, 1962, Kansas City Art Institute; further graduate study, Michigan State University

JOHN ALLEN JOHNSON, 1968

Assistant professor of history

AB, 1957, Onachita Baptist University; MA, 1959, University of Arkansas; candidate for PhD, University of Oklahoma

MARGARET SUE KEVAN, 1968

Visiting instructor in English

AB, 1961, University of Missouri; MA, 1967, Northwestern University

WILLIAM KOTT, 1967

Teaching assistant in physical education

AB, 1967, Park College

PAUL WAYNE KUHLMAN, 1968

Visiting instructor in business administration

AB, 1962, William Jewell College; LLD, 1964, Washington University School of Law

D. VERN LaFRENZ, 1945

Associate professor of mathematics

AB, 1929, William Jewell College; graduate study, University of Missouri, University of Kansas

EDWARD LAKIN, 1950

Professor of music

BS, 1933, Northeast Missouri State College; MA, 1941, Iowa State University; further graduate study, University of Kansas

LYDIA LOVAN, 1946

Associate professor of music

AB, 1954, William Jewell College; further study, piano and organ with Lula Kinsey, Southwest Missouri State College; piano with Dr. William Kraupner, Drury Conservatory of Music; organ with Edna Scotten Billings

PATRICIA LUND, 1968

Visiting instructor in physical education

AB, 1946, William Jewell College

RUTH McDANIEL, 1943

Professor of modern languages

AB, 1926, AM, 1928, University of Missouri; further graduate study, Bryn Mawr College; The Sorbonne; British-American School of Languages in Santander, Spain; National University of Mexico

EARL McELWEE, 1965

Assistant professor of political science

AB, 1957, William Jewell College; BD, 1961, Midwestern Baptist Theological Seminary; MA, 1963, and doctoral candidate, University of Kansas.

ROBERT L. McKINNEY, 1962

Chairman of department and associate professor of psychology

AB, 1952, William Jewell College; BD, 1958, Southern Baptist Theological Seminary; doctoral candidate, Washington University

WILLIAM BRUCE McKINNEY, 1968

Instructor in music

BA, 1960, Princeton University; MA, 1962, Columbia University; diploma, 1963, Juilliard School of Music; Fulbright Scholar, Hochschule für Musik, Berlin, 1964-66

BARBARA ROSE MACKE, 1968

Visiting instructor in physical education

BS, 1963, Southeast Missouri State College

RUTH L. MATTHEWS, 1964

Assistant professor of English

BA, 1951, University of Louisville; MRE, 1944, Southern Baptist Theological Seminary; MA, 1964, and further graduate study, University of Missouri at Kansas City

MARY S. MILLER, 1967

Visiting assistant professor of education

BS, 1964, MS, 1966, Willimantic State College

LETHA O. MILLSOM, 1956

Associate professor of music

BS, 1935, Kansas State College; MA, 1952, University of Missouri — Kansas City (UKC); further study, National College, Eastman School of Music

M. LEE MINOR, 1968

Associate professor of psychology

BA, 1961, National College; MA, 1963, University of Tulsa; doctoral candidate, Colorado State University

EDNA MAE MITCHELL, 1955

Associate professor of education

AB, 1952, William Jewell College; MA, 1956, University of Missouri — Kansas City (UKC); doctoral candidate, University of Missouri at Kansas City

LOWELL T. MIZE, 1967

Assistant professor of mathematics

BS, 1958, University of Illinois; MS, 1965, Oklahoma State University; further study, University of Missouri at Rolla

DAVID O. MOORE, 1956

Chairman of department and professor of religion

AB, 1943, Onachita Baptist University; BD, 1946, ThM, 1947, ThD, 1950, Southern Baptist Theological Seminary; further study, Union University, New York

JAMES A. NELSON, 1950

Professor of physical education, head football coach and dean of men

BS, 1949, Missouri Valley College; MAEd, 1953, University of Missouri — Kansas City (UKC); further graduate study, University of Illinois

CHARLES F. J. NEWLON, 1956

Associate professor of biology

AB, 1956, William Jewell College; MA, 1962, and further graduate study at University of Missouri

LINDA NEWTON, 1965

Assistant professor of speech

AB, 1962, William Jewell College; MA, 1963, University of Missouri; further graduate study, University of Kansas Medical Center

BRADLEY E. OFFUTT, 1966

Instructor of Greek

AB, 1964, William Jewell College; MA, 1966, University of Chicago

NORRIS A. PATTERSON, 1950

Chairman of department, professor and director of athletics and physical education

BS, 1939, Missouri Valley College; AM, 1952, University of Missouri — Kansas City (UKC); EdD, 1958, Columbia University

JOHN L. PHILPOT, 1962

Associate professor of physics

AB, 1957, William Jewell College; MS, 1961, PhD, 1963, University of Arkansas

PHILIP C. POSEY, 1965

Assistant professor of music and director of the band

BME, 1959, Florida State University; MM, 1963, Eastman School of Music of the University of Rochester, N.Y.

JOHN DAVID RICE, 1967

Instructor of history

BArch, 1953, Texas A&M College; BD, 1958, Southwestern Baptist Theological Seminary; MA, 1965, University of Houston; further study, Texas Christian University; candidate for PhD, University of Missouri

VIRGINIA D. RICE, 1930

Associate professor of speech

AB, 1928, William Jewell College; AM, 1932, University of Kansas; further graduate study, University of Kansas, University of Wisconsin, Union Theological Seminary, U.C.L.A., University of Denver

LOUIS R. RIEMER, 1956

Instructor of stringed instruments

BMus, 1953, MMus, 1954, Kansas Conservatory

WALTER E. SANDELIUS, 1968

Visiting professor of political science

BA, 1919, University of Idaho; Diploma of Distinction, 1921, BLitt, 1922, Oxford University; PhD, 1927, Brookings Institute

MIMOSA F. SCHRAER, 1967

Assistant professor of English

BA, 1961, Pan American College; MA, 1962, PhD, 1965, Texas Technological College

DAVID L. SHELTON, 1965

Assistant professor of speech

AB, 1962, Evansville College; MFA, 1965, University of Georgia; further graduate study at Indiana University, University of Georgia

JIMMIE O. SHEPARD, 1968

Instructor in English

AB, 1963, MA, 1964, and further graduate study, University of Missouri at Kansas City

SHERMAN W. SHERRICK, 1968

Instructor of mathematics

BS, 1964, Southwest Missouri State; MS, 1968, University of Missouri at Rolla

WAYNE E. STEBBINS, 1967

Assistant professor of biology

BS, 1959, MS, 1967, Kansas State Teachers College, Emporia; further graduate study, Oregon State University

DARREL R. THOMAN, 1962

Chairman of department and associate professor of mathematics

BA, 1960, Hastings College; MA, 1962, University of Kansas; PhD, 1968, University of Missouri at Rolla; further graduate study, University of Missouri at Kansas City (UKC)

OLIVE E. THOMAS, 1936

Associate professor of biology

AB, 1929, William Jewell College; AM, 1941, University of Missouri; further graduate study, University of Missouri, University of Michigan, U.C.L.A.

BILLY D. THOMPSON, 1967

Instructor of business administration

BS, 1966, State College of Arkansas; MBA, 1967, University of Arkansas

ROBERT S. TROTTER, 1949

Chairman of department and professor of philosophy

AB, 1944, Mississippi College; BD, 1947, PhD, 1956, Yale University; further study, University of Minnesota

LINDA VOIGTS, 1965

Instructor of English

AB, 1963, William Jewell College; MA, 1966, and further graduate study at University of Missouri at Kansas City

BURDETTE L. WAGENKNECHT, 1968

Chairman of department and professor of biology

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

MARILYN H. WALKER, 1965

Instructor of English

BA, 1961, University of Missouri; MA, 1965, and further graduate study, University of Missouri at Kansas City

MARY M. WALKER, 1965

Assistant professor of German

AB, 1962, William Jewell College; MEd, 1965, University of Missouri at Kansas City; further graduate study, Phillips Universität, Marburg An der Lahn, Germany; Goethe Institut, Murnau, Oberbayern, Germany; University of Munich; University of Kansas

KERMIT C. WATKINS, 1956

Chairman of department and professor of economics

AB, 1931, William Jewell College; MA, 1932, Colorado State University (Colorado A&M); PhD, 1955, University of Kansas

EARL R. WHALEY, 1955

Professor of sociology

BS, 1949, University of Tennessee; BD, 1952, ThM, 1953, Southern Baptist Theological Seminary; MA, 1954, George Peabody College for Teachers; doctoral candidate, University of Kansas

ROBERT F. WICKE, 1961

Associate professor of education

BA, 1949, MA, 1950, University of Missouri — Kansas City (UKC); EdD, 1961, University of Kansas

TOM H. WILLETT, 1967

Instructor of speech

AB, 1966, Colorado State College, Greeley; MA, 1967, University of Nebraska

SANDRA L. WONDERS, 1965

Assistant professor of French

AB, 1963, William Jewell College; MA, 1965, Indiana University; further graduate study, Toledo University, University Laval, Quebec; The Sorbonne

JOHN P. YOUNG, 1967

Acting director of the library

AB, 1964, William Jewell College; MA in LS, 1967, University of Denver

*On leave of absence

PROFESSORS EMERITI

FREDERICK MILTON DERWACHTER

Professor of Greek, 1928-1962

P. CASPAR HARVEY

Professor of English composition, 1920-1958

LEE ORAN JONES

Professor of mathematics, 1942-1963 and 1967-1968

ULMA ROACH PUGH

Professor of history, 1929-1966

**STANDING COMMITTEES OF THE COLLEGE —
1968-69**

ACADEMIC CEREMONIES — Thomson, (chm.), Lovan, Newlon, Olson, Philpot, Pond, Posey, D. Rice, Thomas, Willett

ADMISSIONS — Thomson, (chm.), Cantrell, Davidson, Dixon, Harris, Holzapfel, Olson, Thoman, Voigts, Wicke, Wyatt

ATHLETICS — Holzapfel, (chm.), LaFrenz, Lakin, Nelson, Olson, N. Patterson, Philpot, Pond, Stebbins

CATALOG — Holzapfel, (chm.), Branson, Gairrett, Johansen, Matthews, Olson, Pond, Thomson, Wyatt

CHAPEL — Cone, (chm.), Brown, Brooks, Cozad, Harris, Moore, Olson, D. Patterson; student members — Tom Dunn, Bill Reese, Catherine Winfrey, LouAnne Wood

CHAPEL ATTENDANCE — Brooks, (chm.), Brown, Cantrell, Chiles, Cozad, (chm.), Dixon, Gonzalez, Hamilton, Hickman, Johnson, LaFrenz, Millsom, Newlon, Offutt, Posey, Shepard, Thompson

CURRICULUM — Thomson, (chm.), Bowman, Bruner, Cuthbertson, Edson, Forbis, Hilton, Isley, Moore, Trotter, Watkins

DISCIPLINE — Holzapfel, (chm.), Brooks, R. McKinney, Newlon, Newton, N. Patterson, Whaley; student member — Tom Dunn

ENCOURAGING COLLEGE TEACHING AS A PROFESSION — Trotter, (chm.), Conner, Davidson, Harriman, Wicke, Wonders

FACULTY ADVISORS FOR STUDENT COUNCIL – Holzapfel, (chm.), Dixon, Dyal, Hamilton, Moore, Posey

FACULTY REPRESENTATIVES ON STUDENT PUBLICATIONS – Bowman, (chm.), Cozad, Offutt, Olson, Pond, M. Schraer, Watkins

FINANCIAL AIDS – Holzapfel, (chm.), Dixon, Moore, Olson, D. Patterson, Pond, Thomson, Wyatt

FINE ARTS – Harriman, (chm.), Cozad, Forbis, Johansen, Pickelman, Shelton, Thomson; student members – Tom Church, Frances Wildeboor

FRATERNITIES AND SORORITIES – Nelson, (chm.), Harriman, Holzapfel, Lakin, Millsom, D. Patterson, Philpot, V. Rice

HONORARY DEGREES AND CITATIONS – Bowman, (chm.), Barth, Bruner, Edson, Hilton, Moore, Olson, N. Patterson, Thomson, Trotter

LIBRARY – Cuthbertson, (chm.), Adams, Chasteen, Chiles, Forbis, Hilton, Thomson, Wagenknecht, Mary Walker, Watkins, Young

REGISTRATION – Thomson, (chm.), Coffman, Dyal, Gairrett, Holzapfel, LaFrenz, Offutt, Olson, Pond, Marilyn Walker, Wyatt

RELIGIOUS LIFE—ADVISORY – Moore, (chm.), Brooks, Brown, Cone, Olson, D. Rice, Thomson, Wicke

SPECIAL STUDENT EVENTS – Pickelman (chm.), Barth, Branson, Flook, Gourley, Holzapfel, Matthews, Nelson, Olson, D. Patterson, Pond, Posey, Shelton, Wonders

USE OF BUILDINGS – Holzapfel, (chm.), Bowman, Cone, Forbis, Harriman, Petty, Shelton; student member – George Flanagan

WHO'S WHO IN AMERICAN COLLEGES AND UNIVERSITIES – Bowman, (chm.), Brooks, Cantrell, Chasteen, Cuthbertson, Hamilton, Harriman, Hilton, Holzapfel, LaFrenz, D. Patterson, Posey

COMMITTEE ON COMMITTEES – to be selected by the faculty

Calendar

CALENDAR FOR 1969

Second Semester 1968-69

| | | | |
|-------------------------|------------|-----------|--------------------------------------|
| Monday | Jan. 6 | 8 a.m. | Classes resume |
| Monday through Saturday | Jan. 20-25 | | First semester final examinations |
| Tuesday | Jan. 28 | 8:15-4 | Registration |
| Wednesday | Jan. 29 | 8:15-noon | Registration |
| Thursday | Jan. 30 | 8 a.m. | Classes begin |
| | | 4:30 p.m. | Late registration fee applicable |
| Thursday | Feb. 13 | 5 p.m. | Last date for registration changes |
| Friday | April 4 | 5 p.m. | Spring holiday begins |
| Monday | April 14 | 8 a.m. | Classes resume |
| Saturday through Friday | May 24-30 | | Second semester final examinations |
| Saturday | May 31 | | Alumni Day |
| Sunday | June 1 | 11 a.m. | Baccalaureate services |
| Monday | June 2 | 10 a.m. | Commencement exercises |
| Monday | June 9 | 8 a.m. | |
| | | to noon | Summer school registration |
| Thursday | July 31 | | Final examinations |
| Friday | August 1 | | Final examinations |
| Friday | August 1 | 8 p.m. | Summer school commencement exercises |

CALENDAR FOR 1969-70

First Semester

All new students should be on campus on or before Monday, September 8.

| | | | |
|-----------|---------|-----------|---|
| Sunday | Sept. 7 | 8 a.m. | Dormitories open |
| Monday | Sept. 8 | 8:30 a.m. | Pre-registration conferences and freshmen orientation begin |
| Wednesday | Nov. 26 | 5 p.m. | Thanksgiving holiday begins |
| Monday | Dec. 1 | 8 a.m. | Classes resume |
| Friday | Dec. 19 | 5 p.m. | Christmas holiday begins |
| Monday | Jan. 5 | 8 a.m. | Classes resume |
| Monday | Jan. 19 | 8 a.m. | First semester final exams begin |
| Friday | Jan. 23 | 5 p.m. | First semester final exams end |

Second Semester

| | | | |
|-----------|---------|---------|-----------------------------------|
| Tuesday | Jan. 27 | 8 a.m. | Registration begins |
| Wednesday | Jan. 28 | 4 p.m. | Registration ends |
| Thursday | Jan. 29 | 8 a.m. | Classes begin |
| Friday | Mar. 27 | 5 p.m. | Spring holiday begins |
| Monday | Apr. 6 | 8 a.m. | Classes resume |
| Saturday | May 23 | 8 a.m. | Second semester final exams begin |
| Friday | May 29 | 5 p.m. | Second semester final exams end |
| Sunday | May 31 | 11 a.m. | Baccalaureate services |
| Monday | June 1 | 10 a.m. | Commencement exercises |

Summer Session

| | | | |
|---------|---------|---------|-----------------------------|
| Monday | June 8 | 8 a.m. | Summer session registration |
| Tuesday | June 9 | 8 a.m. | Classes begin |
| Friday | July 31 | 12 noon | Summer session ends |
| Friday | July 31 | 8 p.m. | Summer commencement |



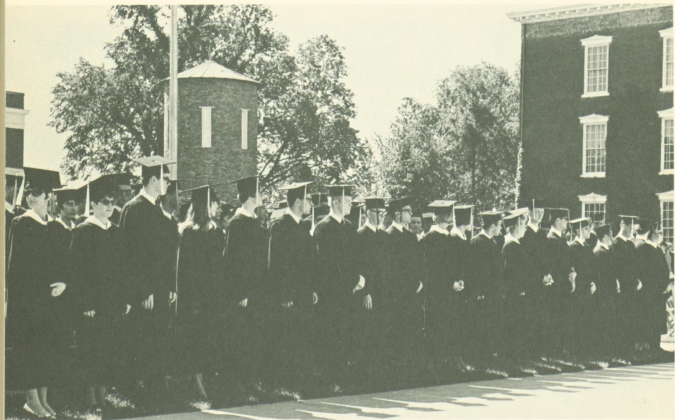
"Go, teams, go"



1968 national champion baseball team



Greene Hall — administrative offices





WILLIAM JEWELL COLLEGE

FOUNDED 1849

THE CAMPUS OF ACHIEVEMENT™

GIVEN BY THE CLASS OF 1913
1953