

St. Joseph Junior College

St. Joseph, Missouri

BULLETIN — 1959-1961



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Founded in 1915

The St. Joseph Junior College has provided a high quality of college work at a minimum of expense for young men and women in this community.



ST. JOSEPH JUNIOR COLLEGE

Tenth and Edmond Streets

ST. JOSEPH, MISSOURI

Fortieth Catalog

Missouri Western State College ~~1959~~ - 1961
Hearnes Learning Resources Center
4525 Downs Drive
St. Joseph, Missouri 64507 ACCREDITATION

The St. Joseph Junior College is accredited by the North Central Association of Colleges and Secondary Schools, the University of Missouri, and the State Department of Education of Missouri.

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- LOIS JANE ROPERMathematics
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- CELIA F. SUTHERLANDEducation
B.S., Northwest Missouri State College; M.A., University of Kansas City; Graduate Study, University of Kansas.
- RICHARD TAYLOREnglish
B.S., Northeast Missouri State College; B.J., M.A., University of Missouri.
- LILLIAN R. WATKINSMathematics
Ph.B., University of Chicago; M.A., University of Missouri; M.A., University of Michigan; Graduate Study, Columbia University, Northwestern University.
- JOHN R. YANCEYBiology
B.S., Central Missouri State College; M.A., University of Kansas City; Graduate Study, University of Colorado and University of Missouri.
- RADIANCE ZOLLINGERRegistrar, Treasurer
A.A., St. Joseph Junior College.

GENERAL INFORMATION

The St. Joseph Junior College was organized by an act of the Board of Education in the summer of 1915. It is an integral part of the city public school system. The administration is under the direction of the Board of Education and the Superintendent of Schools.

Classes were originally conducted in what was known as the Central High School building at Thirteenth and Olive, a location now occupied by the Naval Reserve building, and were under the immediate direction of the principal and staff of Central High School. In 1925 most of the classes were moved to the adjoining building, which at present houses the Everett School. In January 1933, a separate administration was established and all classes were moved to the present building on Tenth Street between Charles and Edmond.

The present building houses a fully equipped library which consists of a reading room, a librarian's office and stack room. The book collection is a growing one, comprising over ten thousand well-selected volumes. It contains the standard reference works and duplicate copies of the readings assigned for class work. The proximity of the Public Library, which contains more than a hundred thirty-five thousand books, is a great asset to the college. Fully equipped Biology, Chemistry, Physics, and Psychology laboratories are also available.

OBJECTIVES

The St. Joseph Junior College was established to provide two years of Education above the High School either in the college of Liberal Arts or in the pre-professional schools (Medicine, Law, Business, Education, Engineering, Nursing, etc.). Because the expense is relatively low, students may transfer their credits to a senior college and continue in school long enough to secure a graduate degree at about the same cost ordinarily spent for a bachelors degree.

Specifically the St. Joseph Junior College offers an opportunity for a student to develop in the following ways:

1. To make intellectual growth, by acquiring a rich content of facts.
2. To develop skills in organizing and interpreting these facts.
3. To form habits of intellectual integrity, objective thinking and ability to solve problems independently.
4. To develop personal resources through the establishments of attitudes of physical and emotional well-being.
5. To make social adjustment through the sharing of social responsibilities for his school community.
6. To develop insights that will reinforce his belief in individual merit and will deepen his respect for human dignity.

SUMMER SESSION

Whenever there has been a sufficient demand a summer session of eight weeks, giving eight hours college credit, has been maintained. The primary purposes of the summer session have been to assist those teachers who have less than sixty hours of college work to meet the state certification requirements, and to offer those courses which are prerequisites in certain divisions of the university and are required of lower division students. Fees are charged at the rate of \$8.00 per credit hour, plus laboratory and library fees.

ACCREDITED RELATION

The Junior College of St. Joseph is fully accredited by the North Central Association of Colleges and Secondary Schools and is a member of the American Association of Junior Colleges.

The Junior College meets the conditions of affiliation with the University of Missouri in conformity with the plan of that institution for accrediting Junior Colleges, and graduates of the St. Joseph Junior College are admitted without examination to Junior standing in the University of Missouri and other institutions of like ranking upon presentation of certificates showing completion of sixty hours of work and sixty grade points. Graduates from the St. Joseph Junior College have transferred to many of the large colleges and universities with advanced standing. Students should check their courses carefully against the requirements of the university of their choice.

REQUIREMENTS FOR ADMISSION

Requirements for admission follow the plans set forth by the University of Missouri and are as follows:

Admission from High School: The Junior College admits without examination graduates of the fully accredited high schools of Missouri, who present acceptable units. All courses with the exception of physical education and military science, offered by an accredited high school for its diploma may be accepted toward entrance. However, not more than two units in diversified occupations may be accepted.

Students desiring to enter from high schools not fully approved are required to submit credits from the list of acceptable subjects for entrance. Students of mature years are admitted by special arrangement.

High school subjects which are required for admission are designated in terms of "units," a unit being the equivalent of a subject pursued five periods a week for at least thirty-six weeks, four units constituting a year's work.

Admission by Transfer from other Colleges or Universities: A student who has been admitted to another collegiate institution of recognized standing will be admitted to the College upon presenting a certificate of honorable dismissal and official transcripts of high school and college work provided his scholastic record has been satisfactory. **NO STUDENT WILL BE ADMITTED WHO IS UNDER SUSPENSION FROM ANOTHER INSTITUTION.** No transfer student will be considered as enrolled until a transcript of credits has been filed with the registrar.

REGISTRATION

For the convenience of new students who are being admitted to the College for the fall semester, a pre-registration period is provided. This period, which extends through July 15, gives the student an opportunity to visit the College, confer with an adviser, and select courses in which he wishes to enroll for his first semester. At the time of final registration, those who pre-registered during the early summer will be given preference over others in matters of hour of registration, choice of class periods, etc. This is accomplished by a numbered "Permit to Register".

Final registration takes place during the week immediately preceding the beginning of classes. Students complete their enrollment by paying fees and filling out necessary forms. **FEES MUST BE PAID AT THIS TIME.** No student will be admitted to classes until all fees are paid. Any exception to this procedure must be approved by the Assistant Superintendent in Charge of Business, second floor of the Public Library Building. **A STUDENT MUST HAVE ON FILE WITH THE REGISTRAR A TRANSCRIPT OF HIS HIGH SCHOOL RECORD BEFORE HE WILL BE PERMITTED TO COMPLETE HIS REGISTRATION.**

Part of registration week is used for testing and orientation of new students.

LATE REGISTRATION

No student will be permitted to enroll in a course after classes have been in session for one week except in extraordinary cases when he may be permitted to enter during the second week by special arrangement with the Dean and the Instructor involved.

A late registration fee is required of all students who enter after the regular period of registration has ended. Fee: \$2.00.

FEES

All Fees Must Be Paid At The Time Of Final Registration

There is no tuition fee for students who are residents of the St. Joseph School District. However, all students, regardless of residence, must pay an incidental fee, activity fee and library fee each semester. Those enrolled in courses where equipment is exposed to depreciation or where materials are consumed, are required to pay a laboratory fee.

Students who cannot be classified as residents of the St. Joseph School District must pay a non-resident tuition fee in addition to the fees required of all students. A student who enrolls for eight semester hours of work, or less than eight hours, will pay only half the incidental fee and in the case of non-resident students only half the non-resident tuition fee. All other fees for those carrying a half-load are the same as those of full-time students.

A complete schedule of fees is shown below:

Non-resident tuition	\$131.50 a semester
Incidental fee	50.00 a semester
Activity fee	5.00 a semester
Library fee	1.50 a semester

Laboratory fees:

Art	1.00 a semester
Bacteriology	5.00 a semester
General Botany	5.00 a semester
General Zoology	5.00 a semester
Physics (all courses)	5.00 a semester
Chemistry (all courses)	10.00 a semester
Physiology & Human Anatomy	10.00 a semester
Surveying	10.00 a semester
Hillyard Vocational School	50.00 a semester

Miscellaneous fees:

Late registration fee	2.00 a semester
*Late examination fee50

*This applies*to any test which has been announced.

REFUND OF FEES

Students withdrawing from classes after the registration period may receive refunds of fees in accordance with the following schedule:

One week or less	80%
Between one and two weeks	80%
Between two weeks and three weeks	60%
Between three weeks and four weeks	40%
Between four weeks and five weeks	20%
Over five weeks	No refund

GRADUATION REQUIREMENTS

Two graduation requirements apply to all students:

1. Six hours of English Composition.
2. Five hours in either American History or American Government. These courses include a study of the American Constitution and the State of Missouri.

While no degree may be conferred by any college offering less than four years of work, the St. Joseph Junior College is authorized by the State University and State Department of Education to grant Associate Certificates as follows:

Associate in Arts Certificate	(A.A.)
Associate in Education Certificate	(A.E.)
Associate in Science Certificate	(A.S.)

Requirements for these certificates are set up to provide a broad distribution of work at the same time an appropriate concentration.

Students who accumulate a minimum of sixty semester hours of satisfactory work which follows none of the specific patterns for certificates listed above are awarded a General Junior College Certificate (J.C.).

In addition to sixty hours of work, a student, in order to graduate, must have accumulated a total of sixty grade points. Each hour of credit is valued in points as follows: E, three points; S, two points; M, one point. "Passed" grades and advanced standing are treated as of "M" grade. No points are given for "I" and "F" grades.

Requirements for the various certificates are as follows:

Associate in Arts Certificate: To become a candidate for the Associate in Arts Certificate a student must complete sixty hours of work and sixty grade points.

He should include during his first two years the following:

- (a) Six hours of English Composition.
- (b) Ten hours in one foreign language, (French, German, Spanish). If the student presents for admission two units in a single foreign language and continues with that language in college, he will be excused from the first five hours of this requirement. A student who presents one high school unit in a foreign language may receive three hours credit for the first five hours in the same language. A student who presents two high school units in one foreign language may not receive college credit for the first five hour course in the same language.
- (c) Ten hours distributed among the fine arts, literature and philosophy, with not more than six hours in any one of these three fields. The following courses may be taken to satisfy this requirement: English Literature, Masterpieces, Philosophy, Music Appreciation, Art, Speech, also the second year course in any foreign language.
- (d) Ten hours distributed among the social sciences: Economics, History, Political Science, Sociology.
- (e) Ten hours in the Natural Sciences including Mathematics, Biological Science, and the Physical Sciences, with not more than five hours in any one field.

Associate in Education Certificate: For those preparing to teach in Elementary Schools. The Associate in Education Certificate will be granted to those students who have completed all the course of study as prescribed by the Missouri State Department of Education and all the requirements for the Associate in Arts Certificate with the exception of the foreign language requirement. Students preparing for this certificate must include in the sixty hours of freshman and sophomore work the following:

English	10 hours
Social Science	13 hours
Biological Science	5 hours
Physical Science	5 hours
Education	8 hours
Psychology	6 hours
Music	3 hours
Mathematics	3 hours
Art	3 hours
Physical Education and Hygiene	4 hours

Associate in Science Certificate: The Associate in Science Certificate will be granted to those students who have completed all the requirements for the Associate in Arts Certificate with the exception of the foreign language requirements, provided a minimum of twenty hours in Science and Mathematics has been completed in the total of sixty hours required for graduation.

General Junior College Certificate: The Junior College Certificate will be granted to those students who complete a minimum of sixty semester hours of work and earn sixty points when the work follows no particular pattern of distribution or concentration.

PROGRAMS AVAILABLE

Graduation from the St. Joseph Junior College implies one of two things: that a student intends to transfer to a four-year college as a Junior or that he will terminate his formal education and take full-time employment. At present, most of the courses offered by the College are considered as college-university parallel courses; that is, they are similar to courses offered in colleges and universities during the Freshman and Sophomore years. When transferred from the Junior College they are accepted by four-year institutions as credit toward a Bachelor's Degree. At the same time, many of these courses will be valuable to a person even though he may never complete the requirements for a degree. In this case they may be considered as terminal in nature. In addition, a few courses offered by the College, including those offered in cooperation with the Hillyard Vocational School, are definitely terminal in nature and ordinarily will not be accepted toward a degree by a four-year institution.

As a general rule students will work toward Certificates as follows:

Associate in Arts Certificate: Those who plan eventually to earn a Bachelor of Arts Degree with a major in any of the many possible fields or who plan to enter such professional schools as Journalism, Law, Medicine, Social Work, etc.

Associate in Education Certificate: Those who plan to enter elementary teaching only. Students preparing to enter a School of Education to prepare for teaching on the secondary level will complete the requirements for either the Associate in Arts Certificate or the General Junior College Certificate.

Associate in Science Certificate: Those who plan to enter engineering and some who plan to major in science, as well as those interested in becoming laboratory technicians or in working toward degrees in dentistry, pharmacy, etc.

General Junior College Certificate: Those who have not yet begun to concentrate in any particular field. Business and Public Administration majors who do not wish to include a foreign language in their programs may also choose this certificate, as well as some who plan to teach on the secondary level.

By working toward one of these certificates students may prepare themselves as follows:

1. Earn sixty to sixty-four semester hours of college work which will transfer to a School of Arts and Science and will apply toward a Bachelor of Arts or Bachelor of Science Degree with a major in fields such as: Art, Botany, Chemistry, Conservation, Economics, English, Foreign Languages, History, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology and Zoology.

2. Earn sixty to sixty-four semester hours of pre-professional work which will permit him to transfer directly to professional schools such as: Business and Public Administration, Engineering, Education, Journalism, and Medical Technology.

3. Earn sixty to sixty-four semester hours of work which, when supplemented by additional work in a four-year institution, will permit him to enter professional schools such as: Dentistry, Law, Medicine, Mortuary Science, Pharmacy, Physical Therapy, and Social Work.

4. Earn sixty to sixty-four semester hours of work without expecting to go any further in college. In this category it should be noted that by combining courses in English, Social Science, Mathematics, Science, and Engineering Drawing with courses available at the Hillyard Vocational School it is possible to obtain training as a technician who will be more valuable to an employer than a regular mechanic. The College offers no terminal work in the fields of office or secretarial training.

Some Professional Schools such as Agriculture, Forestry, Home Economics, Veterinary Medicine, and Nursing, when the Nursing Degree is combined with the Bachelor's Degree, require several very specialized courses during the Freshman and Sophomore years. For this reason it is almost impossible for the Junior College to offer more than one year of work to students who wish to enter any of these schools.

Mimeographed Sheets showing specific courses to take are available from the College Office to students interested in any of the fields mentioned above.

COOPERATIVE PROGRAM IN NURSES TRAINING

Working with the Missouri Methodist Hospital, the St. Joseph Junior College provides several academic and laboratory courses for young women who are enrolled in the School of Nursing at the Hospital. These courses are taken in the first year of the three-year program. For specific information concerning this program direct your inquiry to the Director of Nursing, Missouri Methodist Hospital.

COURSES AT THE HILLYARD VOCATIONAL SCHOOL

For those students who do not wish to transfer to another college but who desire two years work beyond high school, the following courses are available at the Hillyard Vocational School and are given college credit toward a certificate of graduation from the St. Joseph Junior College. Fees: \$50.00 a semester.

Machine Shop Theory and Practice

Automobile Mechanics and Tune-up

Radio and Television Electronics (including color TV)

Printing and Linotype operation

Possible combinations of this work with that at the Junior College are mentioned under the section which discusses the General Junior College Certificate.

GRADES AND POINTS

Grades. Grades are recorded as follows: E—excellent, S—superior, M—medium, I—inferior, F—failure. Final grades of all students are mailed to their home addresses after the close of each semester. At the end of the first and third quarters the instructors report to the office the standing of all students whose work at that time is estimated as I or F. This information is transmitted to the student by mail.

Points. There are required for graduation as many points as hours. A grade of E gives three points for each hour of credit, S gives two points, and M gives one point. Thus a grade of S in a five-hour course counts ten points.

SCHOLARSHIP DEFICIENCY

A student who has completed a semester's work and who failed to secure as many grade points as credit hours is placed on probation for the following semester. The status of probation may be removed for any student who in a semester secures as many grade points as credit hours.

A student who in any semester fails in more than 40% of the work for which he is registered is automatically suspended for the following semester. Following his term of suspension a student may be readmitted on probation which includes the following specific conditions:

1. If the student fails in any course during the period of probation he will be suspended from the College for the succeeding semester.
2. The student must finish a semester's work with an "M" average to remove the probationary status and to enroll again as a regular student.
3. The student's credits cannot be certified to another college or University with the statement that he is "in good standing" until his probationary status is removed by an "M" average for one semester in the Junior College.
4. Unwarranted absence from any class shall be considered as evidence of intention on the part of the student to violate the conditions of his probation.

Any student who has attended the Junior College for three semesters or more and who has not accumulated at least half as many grade points as hours in which he has been officially enrolled is automatically suspended for the following semester. He may be readmitted following his term of suspension only on probation as described above.

WITHDRAWAL FROM COURSES

During the first four weeks after classes have begun, a student may withdraw from a course without penalty. He must obtain from the instructor his "course card" and turn it over to the Registrar.

After four weeks it is assumed that grades have been established for students in all courses and withdrawal will be shown on the student's permanent record as "withdrawn, passing" or "withdrawn, failing". A student must obtain his "course card" from the instructor who will record on it, "passing" or "failing". A student who withdraws from a laboratory course may have his laboratory fee refunded under the schedule shown on page 11.

WITHDRAWAL FROM COLLEGE

Students who, for any reason, find it necessary to withdraw from the College completely during the course of a semester are required to notify the Dean, pick up the course cards from their instructors and turn them over to the Registrar. On the course cards the instructors will record the date of withdrawal and mark "passing" or "failing". Since honorable dismissal is ordinarily required for transfer from one college to another, a student should not discontinue his college work without formal withdrawal. Students who withdraw without official permission will have "failing" recorded in all subjects.

ATTENDANCE RULES

All absences are to be recorded except those caused by a school sponsored activity, such as athletic trips, choir or play trips. In the event that a student is to be absent because of any school function the sponsor of the activity shall post a list, of those students participating, on the bulletin board in the office on the day preceding the absence. The student is responsible for making up the work missed.

Any student with two recorded absences in a two hour class, or three in a three hour class, or five in a five hour class, will be admitted to class on probation. Additional absences may result in the student being withdrawn from the course. If the absences appear unwarranted, the instructor may require the student to appear before a faculty committee to show cause as to why he should not be withdrawn. The decision of the faculty committee will be final.

DEAN'S LIST

An honor student is defined as one who, at the end of any grade period, has a cumulative record showing an average of not less than "S" (Superior) in all courses pursued in the Junior College in which the students are ranked. Points for the Dean's List are figured as follows:

E+	= 11 points	M+	= 5 points
E	= 10 points	M	= 4 points
E-	= 9 points	M-	= 3 points
S+	= 8 points	I+	= 2 points
S	= 7 points	I	= 1 point
S-	= 6 points		

SCHOLARSHIPS AND STUDENT AID

Several types of scholarships and forms of financial aid are available to those who can qualify when they enter the St. Joseph Junior College. In addition, scholarships to be used in four-year institutions after the student graduates from the Junior College are available from several sources.

HONOR SCHOLARSHIPS:

The St. Joseph Board of Education offers Honor Scholarships each year to graduates of High Schools in St. Joseph, Northwest Missouri and the adjoining counties in Kansas. For graduates of St. Joseph schools the scholarship covers the cost of the incidental fee which is fifty dollars a semester. For graduates of other schools it covers the cost of non-resident tuition, but does not include the incidental fee or other regular fees. No more than one member of a graduating class of any high school may receive this scholarship during any one year.

To be eligible, the student must:

1. Rank in the upper ten percent of his graduating class.
2. Rank higher than the sixty-fifth percentile on the Ohio State Psychological Test (or a test similar in nature)
3. Be recommended by his High School Principal.

These Scholarships may be renewed through four semesters as long as the recipient maintains an average of "S" at the St. Joseph Junior College. Application for these scholarships is made through the office of the Dean with the assistance of the student's High School Principal.

WORK SCHOLARSHIPS:

In some instances provision is made to waive part or all of the fees of a student who performs service to the College as a laboratory assistant, stage manager, office assistant, etc. Application is made through the office of the Dean on recommendation of a faculty member.

MEMORIAL SCHOLARSHIPS:

Alva F. Lindsay Scholarship: In memory and honor of Alva F. Lindsay who served as attorney for the St. Joseph Board of Education for many years and who rendered invaluable service to all schools in Missouri as chairman of the committee which drafted the provisions concerning education in the new 1945 Constitution of the State of Missouri, a scholarship for a Junior College student has been established. It is awarded to a resident of the St. Joseph School District and covers all fees, as well as the cost of necessary textbooks for the recipient. Application is made through the office of the Dean. A faculty committee assists in selecting the student who seems best qualified from the standpoint of scholarship and financial need.

Dr. Wayne Toothaker Scholarship Award: By the will of the late Dr. Wayne Toothaker, a sum of \$5,000 was invested, the interest from which is to be awarded to a student in Junior College who expects to enter the medical profession and is taking the first two years of the pre-medic course at St. Joseph Junior College. Application is made through the office of the Dean.

Anne Lowell Wells Fund: This fund was created by the International Relations Club and furthered by the Cheshire Cheese Club in memory of Miss Anne Lowell Wells, a deceased member of the faculty. The interest from this fund is available to deserving students in the Junior College who may make application to the Faculty Committee.

INDIVIDUALS AND ORGANIZATIONS:

The Mr. and Mrs. Clark C. Glaze Scholarship: A \$7,500 scholarship fund has been established by Mr. and Mrs. Clark C. Glaze, the interest from which is to be awarded to students in Junior College. If used by a student taking a pre-medical course the scholarship is to be known as Emily B. Glaze scholarship; if used by a student taking pre-engineering it will be known as the Clark C. Glaze scholarship. Application is to be made through the office of the Dean.

Women's Clubs: Each year several women's organizations in St. Joseph make scholarships available to girls entering the St. Joseph Junior College. It is the usual practice for each organization to review annually its decision concerning scholarships and, as a result, the list of sponsors may vary from year to year. However, the following groups are frequently included among those who award scholarships:

Jaycee Janes, St. Joseph

Women's Division, B'nai B'rith, St. Joseph

American Business Women's Association, Lover's Lane Chapter

Uptown Lioness Club, St. Joseph

Soroptimist International, St. Joseph

These awards are made on the basis of scholastic achievement and financial need. Those interested in one of these scholarships are invited to fill out an application blank, which may be obtained from the office of the Dean, and return it in May or early June. Information concerning applicants will be forwarded to officers of the organizations who will make the final selection, and inform the student well in advance of the time for final registration at Junior College.

American Society of Power Engineers, Missouri Chapter No. 1, St. Joseph. In 1958 and again in 1959 this organization made a scholarship available to a pre-engineering student who was in his Freshman year and who expected to complete his second year at the St. Joseph Junior College. This will probably be offered again in the future. Application blanks are obtained from instructors who teach pre-engineering subjects. A committee made up of members of the Society makes the final selection.

WAIVER OF TUITION:

The St. Joseph Board of Education has established a policy which makes it possible to waive the tuition for non-resident students who pursue the Teacher Training Course for elementary teachers at the St. Joseph Junior College. This waiver applies only to non-resident tuition and does not include other regular fees. In order to qualify for this waiver of tuition, a student must:

- (A) Indicate by statement that he plans to enter teaching on the elementary level.
- (B) Enroll in courses during his two years at Junior College which will lead to certification as a teacher in the State of Missouri.

The dean of the college will have the final authority to determine if the course of study meets teaching requirements.

The waiver described above applies only to those taking elementary teacher training and is made possible by the fact that this is the only instance in which the College receives financial assistance from the State. However, in a few cases for well-qualified students who plan to enter the secondary field and teach in subject matter areas, such as mathematics and science where a critical shortage of good teachers exists, the St. Joseph School Board, through its officials, may also waive the tuition fee for non-resident students. The Dean of the College shall have final authority to determine if the course of study fulfills the necessary requirements.

SCHOLARSHIPS FOR GRADUATES:

Well's Weddle Scholarship Award: This award is made by the St. Joseph Classroom Teacher's Association, who has made available the sum of \$30.00 to a Junior College sophomore or high school senior who is interested in becoming a teacher.

Carolyn B. Ullman Teacher Education Scholarship: The Missouri Congress of Parents and Teachers, aware of the shortage of teachers in the elementary field, offers a scholarship to students wishing to prepare to teach in the public elementary schools of the state of Missouri. The awards are based on: (1) character, (2) scholastic record, (3) aptitude for teaching, (4) sound health. Application forms may be secured from the office of the dean of Junior College.

American Association of University Women, St. Joseph Branch: The St. Joseph Branch of the A. A. U. W. offers a scholarship to the high ranking girl in the graduating class of the St. Joseph Junior College. Application may be made for this scholarship through the Junior College office.

St. Joseph Oil Industry Scholarship: Available to a sophomore pre-engineering student who plans to continue in a four-year institution. Application is made through the Dean's office. A committee, made up of members of the Organization, makes final selection.

Missouri Society of Engineers, Northwest Chapter: Sophomore pre-engineering students at the St. Joseph Junior College and two other Colleges in Northwest Missouri are invited to apply for this degree. Application is made through the office of the Dean, with final selection being made by a committee made up of members of the Society.

Northwest Missouri State College Scholarship: This scholarship is awarded to the highest ranking sophomore who plans to enroll, in his junior year, at the Northwest Missouri State College at Maryville. Application is made through the office of the Dean.

University of Missouri Curator's Scholarships: These scholarships are awarded on the basis of scholastic record achieved by the student during his two years at Junior College. Application blanks may be obtained from the office of the Dean. The scholarship Committee at the University of Missouri makes final selection.

EMPLOYMENT OPPORTUNITIES

IN THE COLLEGE ITSELF:

Each year the College has need of students to assist in the library, the office, the science laboratories, etc. An attempt is made to fill these jobs with capable, deserving people. Payment is made either in cash or, as has been mentioned elsewhere, credit is applied toward the student's tuition or fees.

IN THE COMMUNITY:

The St. Joseph Junior College is located on the immediate edge of the retail business district, thus making it possible for many students to hold part-time jobs. During the course of a year, as many as 75% to 85% of the students will be gainfully employed in after-school hours. Many of the jobs the students hold are located through their own initiative. At the same time, the college receives many requests each year from employers who are seeking part-time workers. Students who wish to be contacted when employers call may fill out a printed form and place it on file in the College office.

Many students are able to earn enough money while attending the St. Joseph Junior College to defray their current expenses and, in addition, save something toward their college costs when they transfer elsewhere.

Students should seek a proper balance between their load of college subjects and their part-time employment. If one is heavy, the other should be reduced correspondingly. If it is absolutely essential that a student work unusually long hours on his part-time job, he may wish to consider taking longer than four semesters to complete his work at the Junior College, in order to establish the good scholastic record which will be very important to him later.

PUBLICATIONS

THE JUNIOR COLLEGE NEWSPAPER

Griffon News. This publication is issued at intervals throughout the year. The exact number of issues depends largely on the initiative of those who compose the staff of volunteer journalists. The work is extra-curricular, however.

THE YEARBOOK

The Griffon. The yearbook contains a story of student life throughout the year, and is published by a staff selected by the student body, the Senate and the Administration.

ACTIVITIES

The St. Joseph Junior College provides a wide range of extra-curricular activities in which students may participate. The number of activities sponsored is determined largely by interest on the part of students and the time they have to devote to participation.

In addition to intercollegiate basketball a program of intramural sports is available to men and women alike.

Several dances, including the traditional "Ice Breaker", the Christmas Dance and the Spring Formal are a part of the social activities. Clubs and organizations provide opportunities for students to develop special interests in company with others.

Two publications are available to all students: the GRIFFON NEWS, the college newspaper, and the GRIFFON, the yearbook which is in part supported by the activity fee.

The dramatic program includes at least one play presented each semester and "Footlights", an all-student production featuring music, humor, and dancing, which is given in the spring.

Included in the convocation programs provided each year are outstanding lecturers and artists who make it possible for a student to enrich his store of knowledge and broaden his cultural and intellectual horizons.

The music department presents several delightful programs during the year. Its outstanding activities include an operetta and a spring tour.

ORGANIZATIONS

THE JUNIOR COLLEGE SENATE

The Student Senate of the Junior College is a part of the student body. It has for its purpose the following: To secure co-operation between the administration and the student body; to make laws for the Junior College which shall be approved by the administration, to further interest and enthusiasm in all Junior College traditions.

PHI THETA KAPPA FRATERNITY

Purpose: To encourage high scholastic standards.

Entrance Requirements: This is the national scholastic honor organization of the school, corresponding to Phi Beta Kappa in senior college. Students who make an "S+" or better average are pledged after the first semester's residence, and upon maintaining this average for an additional nine weeks are initiated. Not more than 10% of the entire student body may be chosen.

THE MACE

Purpose: The Mace was organized in 1936 in order to encourage constructive student activity in the service of the school.

Entrance Requirements: Membership in the Mace is based upon activities and services to the school. In the 15th week of the first semester, the three members of the Mace select three Sophomore B's to membership and in the 15th week of the second semester the six members elect three Freshmen A's to membership. There are no officers.

To be elected to the Mace, by his fellow student, is considered one of the highest honors that can come to a student.

ART CLUB

Purpose: To stimulate interest in art.

Entrance Requirements: Open to any Junior College student interested in art. Activities consist of sketching trips and visits to art galleries.

GIRLS' ATHLETIC ASSOCIATION

Purpose: To encourage participation in intra-mural sports for girls by means of tournaments in those sports for which facilities are available and in which sufficient interest is shown.

Entrance Requirements: Participation in one or more sports.

MEN'S ATHLETICS

Consist of inter-collegiate basketball and a fairly well organized program of intra-mural sports. The Junior College is a member of the Missouri Conference of Junior Colleges.

JUNIOR COLLEGE DRAMATIC WORKSHOP

Purpose: To provide a central organization where all students interested in any of the phases of dramatics can find an outlet for their talents and energies, and where the various dramatic activities can be co-ordinated.

Entrance Requirements: This organization is open to any Junior College student interested in dramatics.

DELTA PSI OMEGA: NATIONAL DRAMATIC HONOR SOCIETY

Purpose: To encourage active and cooperative participation in the dramatic program of the school and to give students a broader outlook and a sense of unity with other college students of similar interests.

Entrance Requirements: Entrance is gained by acquiring a certain number of points, representing participation in various dramatic activities.

FRENCH CLUB

Purpose: To develop the student's ability to speak and understand the French language and to acquaint him with France and the French people.

Entrance Requirements: Two years of High School French or one year of College French. Students in first year classes are eligible during the second semester.

GERMAN CLUB

Purpose: To develop student's ability to speak and understand German especially in social intercourse and to promote an understanding of German culture and the German people.

Entrance Requirements: Two years of High School German or one year of College German. Students in first year classes are eligible during the second semester.

SPANISH CLUB

Purpose: To promote interest in Spanish-speaking countries and fluency in the practical use of the language.

Entrance Requirements: Two years of high school Spanish or one year of college Spanish. Students in the first year classes are eligible the second semester.

JUNIOR COLLEGE CHOIR

Purpose: (1) To study and perform distinguished musical literature. (2) To integrate the musical activities of the College with the cultural interest of the city and surrounding communities by giving a series of concerts.

Entrance Requirements: Open to all who sing subject to the approval of the director.

"J" CLUB

Purpose: To further interest in athletics and to cooperate with the coach and the administration in the development of a strong athletic program in Junior College.

Entrance Requirements: Open to any student who has earned his "J" for any sport or activity in Junior College.

PSYCHOLOGY CLUB

Purpose: To increase students' interest in psychology and in knowledge of its principles through discussion and experimentation and to extend the friendliness and comradeship of the college to the patients at the state hospital.

Entrance Requirements: A sincere interest in psychology and a willingness to devote time to its study.

J. C. NATURAL SCIENCE CLUB

Purpose: To provide an organization in which students who are interested in the natural sciences can increase their knowledge of these sciences and also engage in fellowship with those who have a similar interest.

Entrance Requirements: Students desiring to become members of this club should have real interest in the natural sciences and be willing to participate as active members of the club.

Members must maintain a satisfactory grade average.

STATEMENT OF COURSES

Courses offered by the St. Joseph Junior College are listed on the following pages in alphabetical order. The college reserves the right to cancel without further notice any course listed in this publication or to withdraw any course which does not have an adequate enrollment at the close of registration period.

Each course in the list bears a number, a name, the hours of credit for which it is offered, and letters indicating it is given in the fall, winter or both, as well as a brief description of the course. Thus: "1 Drawing (3)f" indicates a beginning course in art offered for three hours credit in the fall semester.

ART

Miss Culver

1 Drawing (3)f. Drawing with charcoal, crayon, ink, and other media. Class meets daily.

2 Drawing (3)w. Continuation of Drawing 1 with emphasis on the human figure. Class meets daily.

3 Oil Painting (3)f. A beginning course in oil painting with emphasis on color and composition. Class meets daily.

4 Oil Painting (3)w. A continuation of Oil Painting 3, still life and landscape. Class meets daily.

5 Water Color Painting (3)f. Painting in water color from still life and landscape. Class meets daily.

6 Water Color Painting (3)w. Continuation of Water Color Painting 5. Class meets daily.

7 Design (3)f. A study of the elements and principles of design using a variety of tools and materials. Class meets daily.

8 Design (3)w. Design applied to lettering, posters and methods of graphic reproduction. Pre-requisite Design 7. Class meets daily.

9 Crafts (3)f,w. Developing and using original designs in a variety of materials; leather, textiles, metals, reeds, and such processes as tooling, stenciling, silk screen, block printing. Class meets daily.

ACCOUNTING AND STATISTICS

Mr. Hullinger

1 Elementary Accounting (3)f. A study of the fundamental principles of accounting and their application. Analysis of the Balance Sheet and Income Statement in their usual and special forms. Text: Accounting Principles (7th Ed.), Noble and Neiswanger.

2 Elementary Accounting (3)w. Pre-requisite, Elementary Accounting 1. A continuation of the study of accounting principles and procedures with emphasis on the accounts of partnerships and corporations. Text: Accounting Principles, Noble and Neiswanger.

3 Business Statistics (4)f. Tabular and Graphic Methods, Averages, Dispersion, and Skewness. Text: Elementary Statistical Methods, W. A. Neiswanger.

4 Mathematics of Finance (3)w. Pre-requisite, Intermediate Algebra. Covers compound interest and annuities with a variety of applications, an introduction to the mathematics of life insurance. Text: Mathematics of Investment, Paul R. Rider & Carl H. Fisher.

BIOLOGY

Mr. Yancey, Mr. Force, Miss Lomax

1. General Botany (5)f,w. An introductory study of plant science in regard to structure, physiology, simple taxonomy, and the ecological relationships. Three lectures a week and two double laboratory periods. Text: A Textbook of General Botany, (5th Ed.), Smith, Gilbert, Bryan, Evans, and Stauffer. Laboratory Manual: Laboratory Manual of General Botany, Fisk and Addoms.

2. General Zoology (5)f,w. A general course in the study of animal life with special emphasis placed on their morphological and physiological characteristics. Three lectures and two double laboratory periods a week. Text: College Zoology, Hegner and Stiles (7th Ed.). Laboratory Manual: Laboratory Explorations in General Zoology (3rd Ed.), Karl A. Stiles.

3. Physiology and Human Anatomy (5)w. An introductory study of the principles of human biology. A course of general cultural interest and a preparation for advanced courses in physiology. Three lectures and two double laboratory periods a week. Text: The Human Organism, De-Coursey (1955 Ed.).

4. Anatomy and Physiology (5)f. A lecture and laboratory course for nurses, planned to give the student an understanding of the normal body structure and function. Three lectures and two double laboratory periods a week. Text: Textbook of Anatomy and Physiology (4th Ed.), Anthony. Laboratory Manual: Anatomy and Physiology Laboratory Manual (5th Ed.), Anthony.

5. Health Education (2)w. A course designed for teachers and school health personnel in training. It presents the educational aspects of the school health program and the personnel relationship involved. It meets the requirements of the State Department of Education for the course in hygiene. Text: School Health and Health Education (3rd Ed.), Turner, Sellery, Smith.

6. General Bacteriology (5)f. A general course in the fundamental principles of bacteriology. Included are other forms of microscopic life, such as fungi, yeast, dictyostelium, and viruses. Three lectures and two double laboratory periods a week. Text: General Microbiology, 1955, Walter McBee. Laboratory Manual: Laboratory Outline, University of Missouri.

7. General Bacteriology (3) w. (For Nurses only). A study of bacteria and other microscopic forms and their relation to disease. It includes the principles and procedures involved in asepsis, disinfection, sterilization, and immunization as related to nursing. Three lectures a week and one hour laboratory. Text: Microbiology, (6th Ed.), Carter and Smith.

8. Conservation of Natural Resources (3)f,w. Major problems of conservation in the United States such as soil, water, forests, minerals, etc., with a solution to conserve them wisely. Text: Conservation of Natural Resources (1958 Ed.), Guy-Harold Smith.

9. Principles of Wildlife Conservation (3)f. The teaching of conservation of wildlife under natural conditions. Wise land use practices on agricultural land and other lands are stressed. Text: The Land and Wildlife, Edward H. Graham.

CHEMISTRY

Mr. Little, Mr. Force

1. Elementary Inorganic Chemistry (5)f,w. An introductory course dealing with the fundamental principles of Chemistry, problems, relation of Chemistry to daily life, and to industrial processes. Three recitations a week and two double laboratory periods. Text: Textbook of Chemistry (2nd Ed.), Mack, Garrett, Haskim and Verhock. Laboratory Manual: Chemistry for the Laboratory (2nd Ed.), Garrett, Haskim, Rubin, Verhock.

2. Inorganic Chemistry and Qualitative Analysis (5)f,w. Pre-requisite, course 1 or its equivalent. This course is a continuation of chemistry and includes a study of the more important metals, an introduction to Organic Chemistry and the essential theories in Qualitative Analysis. The laboratory consists of the separation and identification of a number of cations and anions using the semimicro technique. Lecture, three hours per week. Laboratory four to six hours per week. Text: Textbook of Chemistry (2nd Ed.), Mack Garrett, Haskim and Verhock. Laboratory Manual: Semi Micro Qualitative Analysis, Evan, Garrett and Sisler (Revised Ed.).

3. Survey Course in Chemistry (4)f. Developed for students of nursing. Includes eight weeks of inorganic chemistry, with five each of organic and biochemistry. Provides an excellent background in chemistry to aid in the understanding of subsequent courses in nursing. Three hours of lecture and four hours of laboratory per week. Text: Fundamentals of Chemistry, Routh. Laboratory Manual: Laboratory Manual of Chemistry, Routh.

***4. Quantitative Analysis (5)f.** Pre-requisite, Chemistry 2. This course deals with the fundamental principles, methods, procedures, and techniques of gravimetric and volumetric analysis. Two lectures and three two-hour laboratory periods a week. Text: Quantitative Analysis, Pierce and Haensch, (second edition). Five hours. Text: Quantitative Analysis, Sawyers, Pierce and Haensch. (4th Ed.).

***5. Organic Chemistry (5)w.** A course in the fundamentals and reaction of Organic Compounds of both the aliphatic and aromatic series. Designed primarily for pre-dental, pre-med and chemical engineering students. Pre-requisite Chemistry 2, under some condition, Chemistry 1. Laboratory four hours per week. Text: A Short Course in Organic Chemistry, Hart and Schuetz (Revised Ed.), Laboratory Manual: Laboratory Manual for a Short Course in Organic Chemistry, Campaigne, Hart, Schuetz (Revised Ed.).

*A brief three hour course designed for laboratory technicians in both Organic Chemistry and Quantitative Analysis which present the necessary material in a short form will be combined with the course listed above.

ECONOMICS

Mr. Hullinger

1. General Economics (5)f,w. An introductory course in the study of Economics. The text and other authorities provide the basis for class discussion, lectures and assigned problems. The course covers the economic institutions and problems of American civilization in the middle of the Twentieth Century. Text: Economics, An Introductory Analysis, by Paul A. Samuelson (4th Ed.).

EDUCATION

Miss Sutherland, Miss Culver, Mrs. Gettys, Mrs. Riemer

1. Educational Psychology (3)w. Pre-requisite, General Psychology 1f or w. An introductory course in the applications of psychology to educational problems. Emphasis is placed upon the physical, mental, social, and emotional development of the child with reference to individual differences, mental health, and learning. The varied needs of individual children and the aids afforded by community agencies are made vivid by visits to Myrtle E. Miller School for Exceptional Children, the Sheltering Arms Child Guidance Clinic, and Noyes Home for Children. Text: Educational Psychology, Lee J. Cronbach.

2. Technique of Teaching in Elementary Schools (3)f. A study of the aims, principles and methods relating to the instructional activities of the elementary class room teacher. Lectures, discussions and readings. Text: Teaching in Elementary School, Mehl, Mills, and Douglas.

3. Elementary School Organization and Management (2)f. A study of the problems of class room management and school organization which concern the work of the elementary teacher. Lectures, readings and discussions.

5. Practice Teaching (3)w. This course is divided into two periods of nine weeks each. During the first four weeks of each period the student observes the work of the critic teacher in the public schools; and during the next five weeks he develops and teaches several units of work. All teaching and observation is done under the direction of a critic teacher, selected from the regular staff of the elementary school. The purpose of the course is to give the student actual class room situations. Lesson plans, directed observation, and general class room management are emphasized. Pre-requisite: Technique of Teaching in Elementary Schools 2.

6. Children's Literature (3)f. A course designed to give a knowledge of the fields of literature available for use in the elementary grades. Content is emphasized rather than methods. Story telling in its relation to teaching will be illustrated and discussed. Readings, reports, and discussion. Text: Anthology of Children's Literature, by Johnson, Scott and Sickels. (Revised Ed.).

7. Public School Art (3)f. Introduction to art through study of elements of drawing, design, and theory of color, emphasizing its application in the elementary school curriculum. No pre-requisites. Class meets every day in the week.

8. College Arithmetic (3)w. This course is designed to give students of education a knowledge and review of the content of grade school arithmetic together with acceptable methods of organizing and teaching the prescribed content. Text: Arithmetic for teacher training classes, Taylor and Mills.

9. Public School Music (3)f. This course embodies study of the philosophy and technique of teaching as applied to music education and also presents work in the various activities of elementary school music; rote songs, music reading, music appreciation, rhythm, creative and instrumental music. The class meets daily for three hours' credit. Text: Teaching Children Music in the Elementary Schools by Louis K. Myers.

ENGINEERING

Mr. Marion

1. Engineering Drawing (3)f. This course deals with representation or communication phase, including the fundamentals of projection and training in shape and size description. The problems in the course deal with orthographic projection, auxiliary views, sectional views, detail and assembly drawings. Text: Graphic Science, French and Vierck.

3. Architectural Drawing (3)f,w. An introductory course to architectural drawing dealing chiefly with domestic architecture. The drawing and planning of floor plans, elevations, pictorial drawings, and the application of carpentry in house construction. Laboratory 2 hours three days a week. Text: Architectural Drafting, Horning.

4. Descriptive Geometry (3)w. Pre-requisite, Engineering Drawing 1. A continuation of Engineering Drawing, dealing with the application of the theory of projection to the solution of space problems. The problems deal with points, lines, planes, intersections and graphical problems of particular interest to the engineer. Texts: Graphic Science, French and Vierck; Graphic Science Problems, French and Vierck.

6. Surveying (3)f,w. An introductory course dealing with the fundamental principles of surveying, use and adjustment of ordinary surveying instruments. Lectures, laboratory, and field trip. Open to sophomores. Texts: Engineering Surveys, Elementary, by Rubey, Lommel and Todd, and Field Manual.

7. Slide Rule (1)f,w. The theory and use of the slide rule as applied to engineering problems such as: multiplication and division, square root, cube root and cubes, logarithms, and trigonometric functions. Sophomore Year. Pre-requisite, trigonometry. No text.

ENGLISH

Miss Lacy, Mr. Taylor, Miss Reardon

1. English Composition (3)f. The course is required of all students, and is pre-requisite to other English courses. The work includes the study of the principles of composition, the writing of themes, conferences, special reading for comprehension and style. The main purpose is to develop the ability to think clearly and to write effectively.

Note: Students are assigned to sections according to aptitude and quality of training, as shown by tests given at the time of registration. Those whose records are below the median may be required to take special drill or enroll for a non-credit course.

2. English Composition (3)w. Continuation of Course 1.

3. English and American Masterpieces (2)f. The general purpose of this course is to develop in students the power of appreciation. The particular purpose is to guide students in interpreting life and ideals through a study of poetry, essay, drama, and novel. Text: The Types of Literature, Connolly.

4. English and American Masterpieces (2)w. Continuation of Course 3.

5. English Literature (3)f. A reading and discussion course tracing the outline of English Literature from the Old English period to 1785 and showing the relation of the writers to the life, thought, and literary tendencies of their own and other periods. Pre-requisite, six hours of freshman rhetoric. Text: Century Readings in English Literature, (Fifth Edition), Cunliffe, Young, and Van Doren.

6. English Literature (3)w. Continuation of Course 5.

7. Advanced Composition (Exposition) (3)f. This is a course for sophomores who desire training in reading and writing beyond that offered in Rhetoric and Masterpieces. The students read and discuss plays, short stories and poems, but the emphasis is on examining and writing expository pieces. Text: Literature for Our Times, Waite & Atkinson; The Writer's Resource Book, Gerber and Houpp.

8. Advanced Composition (Narration) (3)w. This course, also for sophomores only, consists of an intensive examination of the short story. While other types of writing are touched on, the emphasis is on narration. Texts: Understanding Fiction, Brooks and Warren; Reading Modern Short Stories, Thurston.

9. The Bible As Literature (2)f. A two hour course, open to sophomores, emphasizing the various literary types found in the Bible, beauty of literary expression, and significance of the spiritual themes. A study is made of the collection, important translations, and the place of the Bible in world literature. Texts: The King James Version of the English Bible, the Bible and the Common Reader, Chase.

10. Introduction to Theatre (2)w. Pre-requisite, six hours of Freshman English. The reading and analyzing of representative modern plays—English, American and continental. Text: Modern Drama for Analysis, Cubeta (Revised Edition).

11. Oral Communication (3)f,w. The course affords both the study and the practice in public speaking. The aim is to develop speakers who can develop a logically organized plan, who can inject interest into that plan, and who can speak with poise and effectiveness. Text: Speech Communication, William Brigrance, 2nd Edition.

12. Communication (2)f,w. (For Nurses) To develop skill and accuracy in written and Oral Communication necessary to their profession and training.

FRENCH

Miss Albrecht

1. Elementary French (5)f. This course includes Grammar taught inductively, reading, composition and dramatization based on lessons read. French is the language of the classroom. Drill on Pronunciation with Decca Language Series Records. Text: Nouveau Cours Pratique De Francais Pour Commencants, De Sauze.

2. Intermediate French (5)w. Continuation of Course 1. Text: Nouveau Cours Pratique De Francais Pour Commencants, DeSauze.

3f Advanced French (3)f. La France, by Hills and Dondo; Intermediate Readings in French Prose, by Galpin and Milligan. Review of grammar. Written reports on outside reading. Authors read include Augier, Daudet, Dumas, France, Hugo, Labiche, Loti, Merimee, Moliere, Romain, Sand, Simenon, St. Exupery and others.

4. Advanced French (3)w. Continuation of Course 3.

GEOLOGY

Mr. Little

1. General Geology (Physical) (5)f. A course intended to give the students some knowledge of the earth, of the processes that operate at the earth's surface and that have operated in the past to form the earth. The laboratory work consists of a study of topographic maps and of the common rocks and minerals. Several field trips will supplement the work. Three lectures per week and two double laboratory periods. Text: Physical Geology, Monnett and Brown.

GERMAN

Miss Albrecht

1. Elementary German (5)f. First year's work covers the essentials of German Grammar taught inductively, reading, conversation and composition based on lessons read. Text: Introduction to German, Steinhauer and Sundermeyer.

2. Intermediate German (5)w. Continuation of Course 1. Text: Same as for Course 1, and a supplementary reader.

3. Advanced German (3)f. Grammatical review; Pope's Writing and Speaking German. Texts for reading in class selected from modern German writers. Written reports on outside readings. German only is used in the classroom.

4. Advanced German (3)w. Continuation of Course 3.

HISTORY

Mr. Popplewell, Miss Phelan, Miss Harvey

1. Modern Civilization (3) f,w. A survey of the history of the modern world from 1500 to 1815. Special attention is given to the dynastic and colonial rivalries of the National States, to the Protestant Revolt and the Catholic Reformation, and to the French Revolution and the era of Napoleon. Text: Europe from the Renaissance to Waterloo, Robert Ergang.

2. Modern European History (5)f,w. A survey of European history from 1815 to the Versailles Treaty. This course gives the background for the present political, economic and social structure of the European national states. Special attention is given to The Restoration, 1815-1848, the nationalistic movements in German, Italy and the Balkans, the rise of Socialism-Communism, the imperialistic movement, the diplomatic background of World War I and the peace settlements of 1919. Text: Modern and Contemporary European History, J. Salywn Schapiro.

3. Contemporary Europe (2)w. Open to sophomores and to students who have had History 2 or Political Science 2. This course begins with the Versailles and related treaties, covers the rise of dictatorships, the failures of the League, and the new alignments leading to World War II. The background for present world tensions is analyzed. No text.

4. American History (5)f,w. A survey course of American history from the period of discovery to the present. The major topics considered include the Colonial period, the American Revolution, sectionalism, the Civil War, industrialization, urbanization, the Spanish American War, World War I, post war problems, the New Deal, and World War II. This course includes a study of Missouri State constitution and government as required by law. Text: A Short History of American Democracy (2nd Ed.), Hicks and Mowry.

5. Recent American History (3)w. Open to sophomores. A study of American history since the Civil War with special emphasis on the period since 1900. Text: The American Nation, 1955, Hicks. Text: The American Nation (3rd Ed.), John D. Hicks.

MATHEMATICS

Miss Watkins, Miss Roper, Mr. Agenstein

1. Basic Algebra (no credit) f,w. Offered without credit toward graduation for students who lack the necessary background to carry intermediate algebra. It does not substitute for that course (course 3). Class meets three days a week.

2. Plane Geometry (no credit) f,w. Offered without credit toward graduation for students who lack the necessary background for the course in trigonometry. Meets two days a week. Text: Plane Geometry (Revised Ed.), Keniston and Tully.

3. Intermediate Algebra (3) f,w. Open to students who have had but one year of high school algebra, or Course 1, or to students without high school algebra whose scores on scholastic aptitude tests are quite high. Class meets five days a week. Text: Intermediate Algebra, Britton and Snively.

4. Solid Geometry (2) f,w. Pre-requisite, one unit in high school algebra (or course 3) and one unit in plane geometry (or Course 2). Class meets two days a week. Text: New Solid Geometry (Revised Edition), Mallory.

5. College Algebra (3)f,w. Pre-requisite, one and one-half units of high school algebra or course 1. This course begins with a review of topics given in previous algebra courses. The further treatment includes quadratic systems, exponents and radicals, ratio, proportion, variation, the binomial theorem, progressions, inequalities, permutations and combinations, probability, and determinants. Text: Brief College Algebra, Hart.

6. Trigonometry (3) (2) f,w. Pre-requisite, one and one-half units high school algebra and one unit of geometry or Course 1. This course covers the usual topics in plane trigonometry. Two hours credit given to students who have had high school trigonometry. Three hours credit is given to those who have not taken the subject in high school. Text: Plane Trigonometry, E. Richard Heineman (2nd Ed.).

7. Analytic Geometry (5)w. Pre-requisite, plane geometry, college trigonometry, college algebra. The idea of a locus, the straight line, the circle, the parabola, the ellipse, the hyperbola, polar equations, general equations of the second degree and transformations of coordinates are taken up. Introductory work in solid analytics is included. Text: Analytic Geometry (Third Edition 1949), Wilson and Tracey.

8. Calculus (5)f. Pre-requisite, course 7. This course includes the fundamental principles of differential and integral calculus and applications. Text: Elements of Calculus, Granville, Smith, Longley, (1946 Edition).

9. Calculus (5)w. Pre-requisite, course 8. This is a continuation of the above course.

MUSIC

Mrs. Riemer

1. Appreciation of Music (2)f. A general survey of the field of music. An illustrated lecture course, emphasizing the various phases of musical beauty; designed to furnish a rational basis for intelligent listening to music. Text: Key to Listening, Beulah M. Hicks.

2. Appreciation of Music (2)w. Continuation of Course 1.

3. Elementary Theory (4)f. Fundamentals of Music, simple chord progressions, harmonizing melodies and figured bases, original composition in simple two and three part forms, Ear Training and Sight Singing, Keyboard application of work learned in theory and ear training. Class meets five days a week. Texts: Harmonic Practice (1951 Ed.), Roger Sessions; Melodic Dictation (1935 Ed.), Bernice White.

4. Elementary Theory (4)w. Pre-requisite, Elementary Theory 3. Harmony, simple modulation, accessory tones, original composition, seventh chords, ear training, sight singing and keyboard. Class meets five days a week. Texts: Harmonic Practice, Roger Sessions; Melodic Dictation, Bernice White.

5. Advanced Theory (4)f. Pre-requisite, Elementary Theory 4. Harmony, extended use of secondary sevenths, accessory tones, harmonic elaboration, tonicization, original works in large forms, ear training, sight singing and keyboard. Class meets five days a week. Texts: Harmonic Practice, Roger Sessions; supplementary texts.

6. Advanced Theory (4)w. Pre-requisite, Advanced Theory 5. Harmony, extended modulations, altered chords, introduction to present day harmonic practice, original work in larger forms, ear training, sight singing, keyboard. Class meets five days a week. Texts: Harmonic Practice, Roger Sessions; supplementary texts.

7. Mixed Chorus (1)f. Open to all students who sing, subject to approval of director. Class meets twice each week.

8. Mixed Chorus (1)w. Continuation of Mixed Chorus 7.

9. Piano (1)f,w. Recommended for elementary teachers. Study of fundamentals, scales accompaniment styles, transposition, simple compositions of Bach, Mozart, Haydn, Schubert. Text: Basis Piano, Chayette and Shake.

10. Applied Music. Credit toward graduation is given for private lessons with acceptable teachers.

PHILOSOPHY

1. Logic (3) f,w. Elementary Logic. This course includes the principle of both deductive and inductive reasoning. Special attention is given to the criticism of arguments and the detection of fallacies. Problems are assigned the class almost daily and their solutions presented not only in oral recitations, but in writing. Frequent oral and written reviews are necessary. Open to sophomores only. Text: Applied Logic, Little, Wilson, Moore.

2. Introduction to Philosophy (3)w. An elementary course in the study of philosophical problems using the historical approach. Open to sophomores only. Text: Living Issues in Philosophy, (2nd Edition) Harold H. Titus and Great Philosophers, S. E. Frost, Jr.

PHYSICAL EDUCATION

1. Play Activities for Elementary Schools (2)f. A course designed to meet the requirements of the State Department of Education for the sixty-hour state teachers' certificate. Includes games, sports and stunts, also methods of playground supervision and the teaching of physical education throughout the grades.

2. Rhythmic Activities for Elementary Schools (2)w. A study of basic rhythms and rhythmic activities suitable for the elementary grades, including singing games, folk dances, square dances. Also includes methods of teaching these activities.

PHYSICS

Mr. Agenstein

1. Introductory Physics (5) f,w. A terminal survey of Physics for the general student. Will meet the Physical Science requirement for the A. B. Degree at Missouri University. Pre-requisite, one year of high school algebra. Covers both classical and modern Physics. Four lectures and one laboratory period a week. Texts: Introductory Modern Physics (2nd Ed.), Ira M. Freeman; A Laboratory Manual of Elementary College Physics (6th Ed.), Hammond.

11. Elementary Physics (5)f. A beginner's course in Physics over mechanics, heat and sound for students with limited mathematical skill. Three lectures and two laboratory periods a week. Texts: Physics, A Textbook for Colleges (6th Ed.), Stewart and Gringrich; Laboratory Manual of Elementary College Physics, Hammond.

12. Elementary Physics (5)w. Pre-requisite, Course 11. A beginner's course in Physics over Magnetism, electricity, light and Modern Physics. It completes a course in elementary Physics if taken with course 11. Texts: Physics, A Textbook for Colleges (6th Ed.), Stewart and Gringrich; Laboratory Manual of Elementary College Physics, Hammond.

23. General Physics (5)f. This is the first half of a year's work for engineers or Physics majors. Calculus must be taken prior to or concurrently with the course which covers Mechanics, heat, and sound. Texts: University Physics, Sears and Zemansky; Laboratory Instructions in College Physics.

23. General Physics (5)f. This is the first half of a year's work for engineers or Physics majors. Calculus must be taken prior to or concurrently with the course which covers mechanics, heat, and sound. Texts: University Physics, Sears and Zemansky; Laboratory Manual of Elementary College Physics, Hammond.

24. General Physics (5)w. Pre-requisite, Course 23. Second half of a year's work in general physics for engineers and Physics majors. Covers magnetism, electricity, light and Modern Physics. Texts: University Physics, Sears and Zemansky; Laboratory Manual of Elementary College Physics, Hammond.

51. Statics, Electrical (3)f. Principles of electricity and magnetism to electrical engineering. Text: Electrical Statics, Robert Page Ward.

52. Statics, Stationary (3)w. Principles of mechanics as applied to problems in which structures under consideration are in static equilibrium. Text: Engineering Mechanics, Glen N. Cox.

POLITICAL SCIENCE

Mr. Popplewell, Miss Harvey

1. American Government (5)f,w. A study of the American constitutional system. Emphasis on constitutional development, federal-state relations, citizenship, the congress, president, the courts. Some time is devoted to government and its relations to finance, commerce, agriculture, labor, conservation, and foreign relations. This course includes a study of Missouri State constitution and government. Text: The American System of Government, 1956, Ferguson and McHenry.

2. International Relations (3)f,w. A brief course intended primarily to awaken the interest of college students in world affairs. This course attempts to acquaint the student with basic factors underlying the relationship of nation with nation. Much time is given to discussion and analysis of present day international organizations and contemporary international problems. Text: Newsweek.

PSYCHOLOGY

Mrs. Gettys

1. General Psychology (3)f,w. The basic facts and principles of human behavior are presented in class discussion and illustrated where possible by means of experimentation. Some supplementary reading is required. This course is pre-requisite to all courses in Education as well as to other courses in Psychology. Text: Psychology, The Fundamentals of Human Adjustment (3rd Ed.), by Norman L. Munn.

2. Applied Psychology (2)f.w. The course is made as practical as possible for the individual student. He is required to examine his own study methods and to spend some time in informing himself regarding the vocational fields of special interest to him. More formal topics include individual differences, mental health and its achievement, and finally delinquency and crime as psychological problems. Supplementary reading is required. Text: Practical Psychology (3rd Ed.), F. K. Berrien.

3. Social Psychology (3)w. The principles of human behavior are critically examined from the view point of modern field theory, and much class discussion is encouraged. Each student is required to make application to the principles of social behavior through planning and carrying out an original research project. The course is open only to those sophomores who have done superior work in other courses in Psychology. Text: Theory and Problems of Social Psychology, Krech and Crutchfield.

SOCIOLOGY

Miss Harvey

1. Elementary Sociology (5)f.w. This course is a brief scientific study of human society. As a prerequisite for all further study in the field of sociology, it is concerned with the development of concepts, the practical application of which students are encouraged to observe in their own groups and community. The study includes analysis of groups as to type and behavior, institutional structure, population and human ecology, and the principles of social change. Text: Sociology (3rd Ed.), Ogburn and Nimkoff.

2. Social Deviation (3)w. Pre-requisite, Elementary Sociology. Presents an analytical study of personal, family, community and world disorganization. Emphasis is placed upon the processes by which individuals and groups become disorganized, and the problems thus created. Such phenomena as alcoholism, juvenile delinquency, political corruption and race conflicts are studied. Theory is correlated with observation and study of local social agencies to which field trips are arranged. Text: Sociology of Deviant Behavior (1st Ed.), Marshall B. Clinard.

3. Sociology (3)f. (For Students Nurses). This course is designed to give the student nurse some insight into the social aspects of human nature and a knowledge of the structures of human society. Communities and institutions are studied. Attention is given to collective behavior and to group and cultural factors in personality formation. The resources of communities in meeting health and allied social problems are analyzed. Text: Sociology (5th Ed.), Jessie Bernard and Deborah Jensen.

SPANISH

1. Elementary Spanish (5)f. The first year's work covers the essentials of grammar taught inductively, and includes reading and composition. Spanish is the language of the classroom. Phonograph records are used for drill in pronunciation. Text: Sound Spanish, Leavitt and Stoudemire.

2. Intermediate Spanish (5)w. Continuation of course 1. Text: Sound Spanish, Leavitt and Stoudemire; a supplementary reader.

3. Advanced Spanish (3)f. A review grammar and composition text is used the first semester. Texts for reading the second semester include stories, novels or plays by modern Spanish and Spanish American writers.

4. Advanced Spanish (3)w. Continuation of course 3.

INDEX

	Page
Accounting and Statistics	25
Accredited Relation	9
Activities	21
Admission Requirements	9, 10
Art	24
Associate in Arts Certificate	12, 13
Associate in Education Certificate	13
Associate in Science Certificate	13, 14
Attendance Rules	16, 17
Biology	25, 26
Chemistry	26
Clubs and Organizations	21, 22, 23, 24
Dean's List	17
Deficiencies	15, 16
Economics	27
Education	27, 28
Employment Opportunities	20
Engineering	28
English	28, 29
Entrance Requirements	9, 10
Faculty	6, 7
Fees and Tuition	11
French	29
General Information	8, 9
Geology	30
German	30
Grading System	15
Graduation Requirements	12, 13
Hillyard Vocational School	15
History	30
Library	8
Mathematics	31
Music	31, 32
Nurse's Training	15
Objectives	8
Organizations	21, 22, 23, 24
Philosophy	32
Physical Education	32
Physics	32, 33
Political Science	33
Programs Available	13, 14, 15
Psychology	33, 34
Publications	21
Registration	9, 10
Requirements for Admission	9, 10
Scholarships	17, 18, 19, 20
Scholarship Deficiency	15, 16
Sociology	34
Spanish	34
Statement of Courses	13, 14, 15
Student Government	21
Summer Session	9
Withdrawal From College	16
Withdrawal From Courses	16