



St. Joseph Junior College

St. Joseph, Missouri

BULLETIN — 1961-1963

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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

Forty-first Catalogue

1961 - 1963

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.

THE SCHOOL DISTRICT OF ST. JOSEPH

ST. JOSEPH, MISSOURI



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FACULTY

- EVAN AGENSTEINPhysics, Mathematics
B.S., Northwest Missouri State College; M.A., University of Kansas City; Graduate Study, University of Missouri.
- ROBERT ALCORNAthletic Director, Coach
B.S., Northwest Missouri State College.
- DENA CLARKLibrarian
B.S., Northwest Missouri State College; B.S. in Library Science, George Peabody College for Teachers; M.A., George Peabody College for Teachers.
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B.S., Alabama State Teachers College; M.A., George Peabody College for Teachers.
- HELEN GETTYSPsychology
B.S., M.S., University of Missouri.
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B.S., Northwest Missouri State College; M.A., University of Missouri; Graduate Study, University of Minnesota.
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B.A., Northwestern University; M.A., University of Chicago; Graduate Study, University of Wisconsin.
- ACHSAH HECKELChemistry Laboratory
B.S., Kansas State University.
- HERBERT G. HULLINGEREconomics, Accounting
B.S., Northwest Missouri State College; M.S., University of Missouri
- LOUISE LACYEnglish, Drama
B.A., M.A., University of Missouri
- EDGAR C. LITTLEChemistry, Dean of Students
B.S., Cotner College; M.S., University of Iowa; Graduate Study, Universities of Nebraska, Colorado.
- MURIEL M. LOMAXHealth Education
B.S., New York University; M.A., University of Kansas City
- GLENN E. MARIONEngineering
B.S., Northwest Missouri State College; M.S., Oregon State College; Graduate Study, Missouri School of Mines and Metallurgy.
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B.S., St. Mary College; M.S., in Education, Creighton University.

- FRANK S. POPPLEWELLHistory, Political Science
B.S., M.S., Kansas State Teachers' College; M.A., University of Missouri.
- ROSALIE REARDONEnglish
B.S., University of Missouri; M.A., Southern Methodist University.
- ROBERTA S. RIEMERMusic
B.A., Park College; M.Mus., Northwestern University; Graduate Study, Chicago Musical College, Columbia University.
- LOIS JANE ROPERMathematics
B.S., Northwest State College; M.A., University of Missouri
- 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.
- RUTH WALLERSTEDTRegistrar, Treasurer
- 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.

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

I. Objectives and purposes in the field of General Education:

1. To promote intellectual growth and creativity. The St. Joseph Junior College was established originally as a liberal arts college. A liberal arts program through the first two years of college has, therefore, remained our constant purpose. To this end, our curriculum offers basic courses in the areas of human knowledge: science, mathematics, the fine arts, humanities, and social studies.
2. To encourage habits of intellectual integrity and objective thought by the posing of questions, by lecture, experimentation, class discussions, student papers, class visitation by community leaders and visual education.
3. To develop skills in communication, in organization, and interpretation of facts.

II. Occupational objectives:

1. To provide pre-professional work leading to the schools of medicine, law, business administration, education, journalism, engineering, nursing, etc.
2. To provide opportunities for adult education both cultural and vocational.
3. To provide opportunity for terminal education which will include an increased knowledge of the heritage of western civilization, as well as some technical preparation.

III. Objectives in individual improvement:

1. To encourage self discipline and personal adjustment to the increasing responsibilities of adult life.
2. To encourage development of individual abilities through class work, student clubs, honorary societies, student convocation, and talent productions, and athletic programs.
3. To promote respect for individual merit and human dignity.

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.

ADMISSION

1. From High School:

Graduates of accredited high schools in Missouri are eligible for admission without examination. Graduates of accredited high schools in other states must present credits that would be accepted for admission to the College of Arts and Science, University of Missouri.

2. By Transfer from other Colleges and 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.

3. Special Students:

- a. A person at least twenty-one years old who is not a graduate of an accredited high school may be admitted on the basis of satisfactory scores on a test of General Education Development and become a candidate for graduation from the Junior College. If such a person hopes eventually to become a candidate for a degree from a college or university, he must be governed by the policy of that institution concerning special students.
- b. Others, of mature age, who are not high school graduates and do not submit G. E. D. test scores may be admitted by special arrangements but may not become candidates for graduation from the Junior College.

REGISTRATION

Any person who plans to enter the St. Joseph Junior College must submit an application on a form provided by the college office. An official transcript of the student's high school record must be filed with the registrar.

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: \$5.00.

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 schedule of fees is shown below:

Non-resident tuition	\$131.50 a semester
Incidental fee	50.00 a semester
Activity fee	6.50 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
Geology	5.00 a semester
Physics (all courses)	5.00 a semester
Chemistry (all courses)	10.00 a semester
Physiology	10.00 a semester
Surveying	10.00 a semester
Hillyard Vocational School	50.00 a semester

Miscellaneous fees:

Late registration fee	5.00
*Late examination fee (by permission)	1.00
Transcript fee (after the first request)	1.00
*This also 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:

Within two weeks after final registration.....	80%
Within three weeks after final registration	60%
Within four weeks after final registration.....	40%
Within five weeks after final registration.....	20%
More than five weeks after final registration.....	No refund

GRADUATION

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.

Graduation is not absolutely imperative, even for students who wish to transfer to four year institutions with upper-class standing. At the same time, distinct advantages accrue to the student who completes all requirements for graduation from the Junior College:

1. Because he must have at least a "C" average to graduate, acceptance by most colleges and universities is automatic and transfer procedures are simplified.
2. Graduates receive a scholastic rank in the class. This is important in a number of instances, particularly when applying for scholarships.
3. Those who do not go on have the satisfaction of knowing they have completed a significant step in education beyond high school.
4. The activities at commencement time, while not spectacular, include experiences a student may enjoy retaining in his memory.

REQUIREMENTS FOR GRADUATION

General requirements to be met by all students are:

1. Complete a minimum of sixty semester hours of credit and one hundred and twenty grade point. (See "Grading System," Page 15.)
2. Credit in the following courses:
 - a. English Composition, six hours
 - b. American History or American Government, five hours
(These courses include a study of the American Constitution and the State of Missouri)
3. In addition to the general requirements, students will fulfill requirements for one of the following certificates:

Associate in Arts	(A.A.)
Associate in Science	(A.S.)
Associate in Education	(A.E.)
General Junior College Certificate	(J.C.)

The granting of four separate types of certificates is more a matter of tradition than of scholastic significance. The certificates indicate areas of concentration—liberal arts, science and engineering, teaching, and a variety of fields not covered by the first three. A more detailed description of each certificate is given in the following section of this catalogue.

CERTIFICATES GRANTED

ASSOCIATE IN ARTS:

This certificate is appropriate for those who plan eventually to become a candidate for a Bachelor of Arts Degree with a major in any of the many possible fields and for those who plan to enter such professional schools as Law, Medicine, Dentistry, Social Work, etc.

The requirements are:

1. Six hours of English Composition.
2. Ten to thirteen hours of modern foreign language. Students who present high school credit in a foreign language and continue in the same language may be excused from part of this requirement.
3. Ten hours distributed among the humanistic studies: English Literature, Masterpieces, Music Appreciation, Art Appreciation, Introduction to Theatre, Philosophy, and second year courses in foreign languages.
4. Ten hours distributed among the social sciences: Economics, History, Political Science, Sociology.
5. Three hours of Mathematics.
6. Ten hours in the Natural Sciences: five hours Biological Science and five hours Physical Science.
7. Electives to total sixty to sixty-four hours.

ASSOCIATE IN SCIENCE:

This certificate is awarded to those students who complete the requirements for an Associate of Arts Certificate with these exceptions: the requirement in humanistic studies is reduced and a minimum of twenty hours in science and mathematics must be completed. For those in Engineering the language requirement is also reduced.

ASSOCIATE IN EDUCATION:

This certificate is appropriate for those students who plan to teach in elementary or secondary schools.

The requirements vary according to the teaching level and teaching field. The certificate will be awarded to those students who have met the general education and professional education requirements of the first two years at the college or university to which the student expects to transfer. This must be worked out separately for each student.

GENERAL JUNIOR COLLEGE CERTIFICATE:

This certificate is appropriate for students in pre-business, pre-journalism, mortuary science, technical work combined with general education, and others who have not yet begun to concentrate in any particular field.

The requirements are:

1. Six hours of English Composition.
2. Five hours of American History or American Government.
3. Electives to total sixty to sixty-four hours.

OTHER PROGRAMS

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 inquire of the Director of Nursing, Missouri Methodist Hospital.

COOPERATIVE PROGRAM, HILLYARD VOCATIONAL SCHOOL

For high school graduates who do not wish to become candidates for college degrees yet wish to continue their education beyond high school, several courses are available at the Hillyard Vocational School for which credit is given toward a General Junior College Certificate. Combined with other courses offered by the Junior College, a program can be arranged to help students interested in certain vocational and technical fields. In some instances colleges will accept these courses as credit toward an industrial arts major. There is a heavy demand for trained personnel in these fields and this demand is expected to increase.

The courses offered are:

AUTOMOTIVE MECHANICS

This course provides for intelligent diagnosis and repair involving the entire automobile. Practice on live equipment is provided after a sound basis of automotive principles has been laid. The latest equipment for testing is available to provide extensive training in auto ignition, tune-up, and repair.

ELECTRONICS

This is a standardized PHILCO ELECTRONIC CIRCUITRY PROGRAM. It provides complete and effective training for all levels of electronic skills. Fields in which this training can be applied include: accounting, alarm systems, atomic reactor controls, broadcasting, communications, medical research, radar, vacuum tube application, and radio and television.

LINOTYPE OPERATION AND PRINTING

This course covers the principles of printing including type setting, press operation, lay-out, and linotype operation.

MACHINE SHOP

This course covers the use of all machine hand tools as well as correct operation of standard machines and equipment including lathes, milling machines, shapers, surface grinders, and power saws. Shop mathematics, design, and blue print reading are included as a fundamental part of the course.

Laboratory fees for these courses are \$50.00 a semester.

SUMMER SESSION

The St. Joseph Junior College offers courses in a summer session of eight weeks whenever sufficient demand exists. It is useful to those who wish to maintain normal progress and who, because of heavy work schedules, must carry less than a maximum class load during the regular terms, and to those who wish to accelerate their progress toward graduation. In general, only students who have accumulated fewer than sixty semester hours of credit can benefit by courses in the summer session. Currently, fees are charged at the rate of \$9.00 a credit hour plus laboratory and library fees.

ACADEMIC POLICIES

GRADING SYSTEM

Grades used in evaluating the work of students are: A—superior; B—good; C—average; D—inferior; F—failing.

Grade points are earned according to the following schedule:

- A grade of A gives four points for each hour of credit
- A grade of B gives three points for each hour of credit
- A grade of C gives two points for each hour of credit
- A grade of D gives one point for each hour of credit
- A grade of F gives no points for each hour of credit

COURSE LOAD

The maximum number of hours, exclusive of courses in physical education and music, to be carried by a junior college student is sixteen a semester. Students in engineering may carry loads comparable to those permitted by the institutions to which they wish to transfer. Honor students may in some instances carry more than sixteen hours in conformity with policies of the College of Arts and Science, Missouri University.

Students on probation and those working exceptionally long hours on jobs may be required to reduce the number of hours carried for college credit.

MINIMUM ATTAINMENT

No policy of the school is intended to discourage the sincere, conscientious student even though his achievement may not place him in the upper rank of students.

At the same time each student is expected to make reasonable progress toward graduation. Grade averages for students are figured at the time mid-semester grades are reported and at the end of each semester. Students whose progress is partially sub-standard are placed on scholastic probation and others who fail to meet prescribed minimum requirements may be withdrawn. The provisions for scholastic probation and suspension are as follow:

1. Scholastic probation:

A first semester student whose grade point average is below 1.5 or any other student whose grade point average is below 1.75 is placed on scholastic probation. While on probation the student's credits cannot be certified to another college or university with the statement that he is in good standing. A student must finish a semester's work with a 1.75 point average to remove the probation status.

2. Scholastic suspension:

Students whose progress is less satisfactory than that of those placed on scholastic probation are required to withdraw. Students cannot be permitted to register for the following semester in the instances described below:

- a. If the student's semester record includes one or more F's and no grades above D.
- b. If the student fails to pass, in any semester, at least 60% of the work for which he is enrolled. This includes courses dropped after the first four weeks.
- c. If the student's record is such that it places him on scholastic probation during two consecutive semesters or any three semesters.

Students placed on scholastic suspension for any of these reasons may be re-admitted after the lapse of one semester, subject to the following conditions:

1. That he fail no course after being re-admitted.

2. That his attendance be regular and punctual.
Students withdrawn a second time shall be withdrawn permanently.

REPEATING COURSES

A student who has made "D" or "F" in a course may be permitted to repeat the course, provided the class is not crowded, only once. The same policy applies when the record shows, "withdrawn failing."

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.

CLASS ATTENDANCE

Regular attendance is required as evidence of a student's active interest in completing the work for which he enrolled. There is no such thing as a permissible number of deliberate cuts. Irregular attendance will be sufficient cause for dropping a student from class. Students with consecutive absences due to illness will be given sympathetic consideration and it is not the policy of the college to deal harshly or unfairly with any student who is absent for legitimate reasons. Close contact with instructors and the college office concerning necessary absences is advisable.

ABSENCES AND MAKE-UP WORK

Work missed during absence is, to a great extent, lost to the student. Lectures are impossible to make up and reading assignments lose something also. Some of the information missed is likely to be needed later on examinations. When an announced test or examination falls on the day a student is absent, instructors are not required to prepare or give a make-up test. However, no one wishes to work a hardship on any student; and in the case of genuine illness or real emergency it is possible to arrange for a make-up test to be given. A fee of one dollar is charged for this service except in very unusual situations which must be ruled as such by the instructor and dean.

DEAN'S LIST

An honor list is published at the end of the first nine weeks and

again at the end of each semester. To be included on the Dean's List, a student must be carrying more than eight hours of work with a grade point average not less than 3.0 in all courses in which students are ranked.

A student may graduate as an honor student provided he has completed more than 28 hours at the Junior College with a cumulative grade point average of 3.0 or higher.

HONOR FRATERNITY

For purposes of figuring eligibility for the national scholastic honor fraternity, Phi Theta Kappa, the following points for each hour of credit are used:

A+ = 11 points	C+ = 5 points
A = 10 points	C = 4 points
A- = 9 points	C- = 3 points
B+ = 8 points	I+ = 2 points
B = 7 points	I = 1 point
B- = 6 points	

St. Joseph Junior College Student Union Building



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 "B" 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-med 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.

FIRST NATIONAL BANK MERIT SCHOLARSHIPS

Established in 1961 by the First National Bank of St. Joseph as an expression of its interest in the importance of higher education and in appreciation for the contribution Junior College is making in this field for the betterment of St. Joseph and the surrounding area. Two scholarships are available each year to resident or non-resident students who can qualify. The scholarships cover tuition, fees, and the cost of necessary text books. Ordinarily the scholarships are for one year only and new recipients are named each year. However, should conditions warrant, a student can be awarded the scholarship for a second year also. Application is made through the office of the Dean. From the applicants, a faculty committee selects the two students who seem best qualified from the standpoint of scholarship and financial need.

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

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.

National Association of Power Engineers, Missouri Chapter No. 1, St. Joseph. This organization has 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. 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 is made possible by the fact that for many years the School District of St. Joseph has received modest financial assistance from state funds for conducting the teacher training program. Any change in the practice will have a corresponding effect on the policy of the School District.

JUNIOR COLLEGE STUDENT LOAN FUND

Through the generosity of a St. Joseph industrial firm a fund has been established from which students may obtain assistance in the form of loans. This fund can be of real help to a limited number of capable students in need of financial assistance to carry out their plans for education at the St. Joseph Junior College. Applications are made to the dean and are screened by a committee set up for this purpose.

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 a 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.

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 65% to 75% 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 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 must 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. Summer session courses may help in some instances.

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.

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. This publication is financed by activity ticket funds and each student who completes two semesters receives a copy without additional charge.

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 Homecoming 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. Staff workers are needed by both publications.

The dramatic program includes the presentation of at least one play each semester and "Footlights." The latter is, for the most part, student directed and produced. Expansion of the program beyond these depends on the number of interested, talented people available who have time to devote to this activity. Students interested in participating in plays are advised to keep their afternoons free for rehearsal.

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 a "B+" 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 1926 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, track and a fairly well organized program of intra-mural sports. The Junior College is a member of the Missouri Conference of Junior Colleges.

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.

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

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. Human Physiology (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. Laboratory Manual: Laboratory Experiments in Physiology—Fifth Edition, Zoethout.

4. Anatomy and Physiology (5)f,w. A lecture and laboratory course for the nursing student, 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 (5th 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, dictetksiae, 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.

CHEMISTRY

Mr. Little, Mr. Force, Mrs. Heckel

1A. Introductory Chemistry (5)f,w. A course designed for Arts and Science students who wish to meet the physical science requirement. No credit will be allowed students who later register for credit in Chemistry 1. Text to be announced. Four lecture-recitation periods and one two-hour laboratory.

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 (3)f,w. Pre-requisite, Chemistry 1 with a grade of "C" or better. Continuation of Chemistry 1 includes a study of some important metals and nonmetals with special attention to the reaction problems and theories in Analytical Chemistry. Some time is devoted to radioactive isotopes and Organic Chemistry. Textbook: same as Chemistry 1. Three lecture-recitations per week.

3. Qualitative Analysis (3)f,w. Pre-requisite, must be accompanied by Chemistry 2. Separation and identification of some of the more common anions and cations. Application of the theories of chemical equilibrium. Laboratory six hours per week.

4. 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. Four hours of lecture and one hour of laboratory per week. Text: Fundamentals of Chemistry, Routh. Laboratory Manual: Laboratory Manual of Chemistry, Routh.

***5. 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. Five hours. Text: Quantitative Analysis, Sawyers, Pierce, and Haenisch. (4th Ed.)

***6. 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-medic, agriculture, home economics, and medical technician 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.)

quality of training, as shown by high school records and college aptitude tests. Those whose records are low may be required to take a special course meeting five days a week for three hours credit.

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: *Advanced Composition (Exposition)—Text Correction and Edition, Literature for Our Time*, Waite and Atkins (Revised Edition) 1953 Holt on Assignment: *Reading and Writing*, Hackett and Baker, McGraw-Hill, 1960.

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. Fundamentals of Speech (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. "Guide to Good Speech," McBurney and Wrage, Second Edition.

12. Fundamentals of Speech (2)f,w. A condensed course, similar to 11, adopted to the needs of students with only a two-hour requirement in Speech. Text: *Guide to Good Speech*, McBurney and Wrage, Second Edition.

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 French Composition & Conversation—Pre-requisite 2 or equivalent. Review of grammar with composition. Conversation based on texts. Written reports in French on outside reading of short stories and one-act plays. Texts: *La France, Hills & Dondo*; *New French Review Grammar and Composition*, Barton & Sirich.

4w French Reading. Pre-requisite 2 or equivalent. Continued study of *La France, Hills & Dondo*. Emphasis on reading from anthology such as *Intermediate Readings*, Galpin & Milligin. Written reports in French on outside reading of novels and plays, chosen from authors including Augiers, Balzac, Dumas, France, Gide, Hugo, Loti, Maurois, Moliere, Romains, Sand, St. Exupery, and others.

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 his-

tory 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 Germany, Italy, and the Balkans, the rise of Socialism-Communism, European colonialism in Africa and Asia, the diplomatic background of World War I, and the peace settlements of 1919. Text: To be selected.

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.

MATHEMATICS

Miss Watkins, Miss Roper, Mr. Agenstein

1. Basic Algebra (no credit)f. Offered without credit toward graduation for students who lack the necessary background to carry intermediate algebra. It does not substitute for course 3. Class meets three days a week. Text: First Course in Algebra for Colleges (1955) L. J. Adams.

2. Plane Geometry (no credit)f. Offered without credit toward graduation for students who lack the necessary background for the course in trigonometry. Class meets two days a week. Text: Plane Geometry, Revised Edition (1953) Keniston and Tully.

3. Intermediate Algebra (3)f,w. Open to students who have had only one year of high school algebra, or course 1, or to students without high school algebra who scores on scholastic aptitude tests are quite high. Class meets five days a week. Text: Intermediate Algebra, Alternate Edition (1960) L. J. Adams.

4. Solid Geometry (2)w. Pre-requisite, one unit in high school algebra (or Mathematics 3) and one unit in plane geometry (or Mathematics 2). Class meets two days a week.

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

6. Trigonometry (3) (2)f,w. Pre-requisite, one and one-half units of high school algebra or course 3, and one unit of plane geometry or course 2. This course covers the usual topics in plane trigonometry. Two hours credit is 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. Class meets three days a week. Text: Plane Trigonometry, Second Edition (1956) E. Richard Heineman.

7. Analytics—Calculus I (5)w. Pre-requisite, plane geometry, college trigonometry, college algebra. An introduction to plane analytic geometry and calculus. Text: Hart, Analytic Geometry and Calculus, 1957.

8. Analytics—Calculus II (5)f. A continuation.

9. Analytics—Calculus III (5)w. This course includes integration, solid analytic geometry, partial differentiation, multiple integrals, and infinite series.

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: "Listening to Music Creatively" by Edwin John Stringham, Second Edition, 1959.

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 7 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 General Physics, Hammond and Halroyd.

24. General Physics (5)w. Pre-requisite, Course 23. Second half of a year's work in general physics for engineers or Physics majors. Covers electricity and light with modern physics throughout. Texts: University Physics, Sears and Zemansky; Laboratory Instructions in General Physics, Hammond and Halroyd.

51. Statics, Electrical (3)f. Introductory Circuit Theory. Pre-requisite, Physics 24. Calculus 8 must precede or accompany the course which covers an integrated approach to electric circuits. Text: Basic Electrical Engineering (2nd Edition), Fitzgerald and Higginbotham.

52. Statics, Stationary (3)w. Pre-requisites, Physics 23, preceded or accompanied by Calculus 9. A course in engineering mechanics where vectors, force systems, friction, centroids, and moments of inertia are studied. Text: Engineering Mechanics, Higdon and Stiles, (2nd Edition, Volume 1).

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. Intended primarily to awaken the interest of college students in world affairs, this course presents a survey of contemporary international organizations, alignments, and world tensions, but primarily emphasizes the basic factors of the framework within which international affairs are conducted. Among the topics included are: the national state system, objectives of national states, elements of state power, the policy making process, nationalism, etc. No text but selected readings.

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.

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. This course studies only those aspects of deviation from the norm where urbanism as a frame of reference can be cited as the primary contributing cause. Such problems as delinquency and crime, drug addiction, alcoholism, and marital and family maladjustment, etc. are included. Emphasis is placed upon methods of rehabilitation, and field trips are arranged to observe the work of local social agencies in this process. 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 structure 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.

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