

McPherson College



"We Receive Only To Give"

1961-62

1962-63

CATALOG

BULLETIN ISSUE

VISIT OUR CAMPUS



HARNLY HALL—Science



BEECHLY LIBRARY—Research and Study



BROWN AUDITORIUM and FRIENDSHIP HALL—Art, Music, Drama, and Worship



HOME ECONOMICS—Future Homemakers



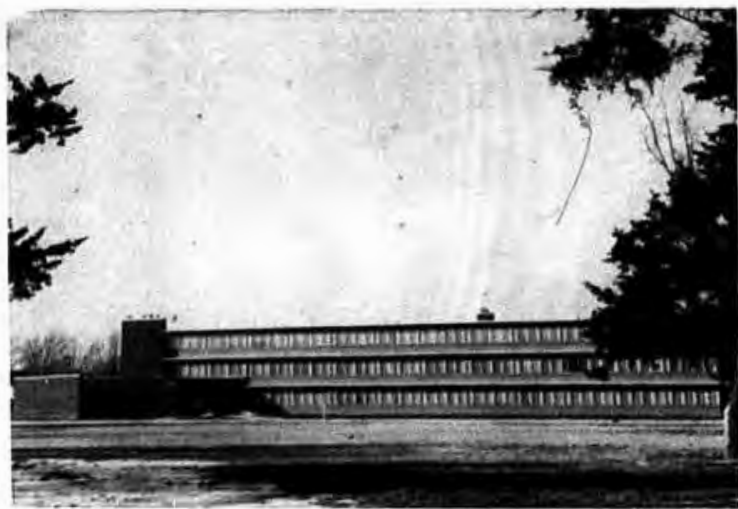
FRANTZ HALL—Industrial Arts



PHYSICAL EDUCATION BUILDING—Athletics



ARNOLD HALL—Men's Dormitory



DOTZOUR HALL—Women's Dormitory



FAHNESTOCK HALL—Men's Dormitory



STADIUM—Capacity 2800



KLINE HALL—Student Apartments and Men's Dormitory



COLLEGE COURTS—Student Apartments



VANIMAN HALL—Men's Dormitory



STUDENT UNION—Cafeteria and Student Facilities



McPHERSON CHURCH OF THE BRETHREN



THE PLAYERS—Drama

Directory

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McPHERSON COLLEGE

McPherson, Kansas

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McPherson College Bulletin

McPherson, Kansas

Vol. 50

April, 1961

No. 8

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McPherson In Brief

McPherson College was founded in 1887. It is sponsored by the Church of the Brethren, but is open to all without respect to creed, color, race, or national origin.

The purpose of the college is to offer a thorough liberal arts education which has a Christian focus in all departments. Included in this are pre-professional offerings, teacher preparation for elementary and secondary education, wide curricular offerings in the sciences, humanities, religion, industrial arts, home economics, rural life, music, art, physical education, and other preparations.

McPherson's Faculty is alert and well trained. The percentage of Ph. D. instructors is high; and is increasing. The buildings and instructional equipment are adequate and are geared to specific needs and offerings. A progressive program adds to these continuously.

Students at McPherson College help to govern themselves. Democracy and cooperation are central in the entire college program. Spiritual growth and expression are sought for in each student's life. The enrollment is from 400 to 600. Dormitories for men and women students and apartments for married couples are available.

Accreditation is Standard. The college is fully accredited by the North Central Association of Colleges and Secondary Schools and other national, area, and state accrediting bodies.

The Degrees granted by McPherson College are the Bachelor of Arts and the Bachelor of Science. Transfer of credit to graduate schools is easily accomplished.

Costs at McPherson College are reasonable. Tuition is \$17.50 per semester hour. Rooms rent from \$75 to \$90 per semester, and board is furnished by a nationally known food service agency at a reasonable cost per semester. Total costs range from \$1000 to \$1200 per year for a full time student.

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Academic Calendar

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September 11-13	Enrollment, Monday through Wednesday	September 10-12
September 14	Classes Convene, Thursday, 7:45 a.m.	September 13
November 21	Thanksgiving Recess Begins, Tuesday, 5:00 p.m.	November 20
November 27	Thanksgiving Recess Ends, Monday, 7:45 a.m.	November 26
December 15	Christmas Recess Begins, Friday, 5:00 p.m.	December 21
January 3	Christmas Recess Ends, 7:45 a.m.	January 8
January 15-19	Enrollment for Second Semester, Monday through Friday	January 14-18
January 22-25	Final Examinations for First Semester, 3:05 p.m. Monday through 4:55 p.m. Thursday	January 21-24
January 26	Enrollment for Second Semester for New Students, Friday	January 25
January 29	Classes Convene, Monday, 7:45 a.m.	January 28
April 13	Easter Recess Begins, Friday, 5:00 p.m.	April 5
April 24	Easter Recess Ends, Tuesday, 7:45 a.m.	April 16
May 11	All Schools Day, Friday	May 10
May 29-June 1	Final Examinations for Second Semester, 3:05 p.m. Tuesday through 4:55 p.m. Friday	May 28-31
June 2	Baccalaureate, Sunday, 10:45 a.m.	June 2
June 3	Commencement, Sunday, 7:30 p.m.	June 2
Early June	Summer School	Early June

1961 CALENDAR 1961

JANUARY							APRIL							JULY							OCTOBER							
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22	23	24	25	26	27	28	16	17	18	19	20	21	22	16	17	18	19	20	21	22	22	23	24	25	26	27	28	
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19	20	21	22	23	24	25	21	22	23	24	25	26	27	20	21	22	23	24	25	26	19	20	21	22	23	24	25	
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19	20	21	22	23	24	25	18	19	20	21	22	23	24	17	18	19	20	21	22	23	17	18	19	20	21	22	23	
26	27	28	29	30	31		25	26	27	28	29	30		24	25	26	27	28	29	30	24	25	26	27	28	29	30	

1962 CALENDAR 1962

JANUARY							APRIL							JULY							OCTOBER						
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8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27
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18	19	20	21	22	23	24	15	16	17	18	19	20	21	19	20	21	22	23	24	25	18	19	20	21	22	23	24
25	26	27	28				27	28	29	30	31			26	27	28	29	30	31		25	26	27	28	29	30	
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1963 CALENDAR 1963

JANUARY							APRIL							JULY							OCTOBER						
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3	4	5	6	7	8	9	10	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
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Suggestions from the President



Dear Friend:

A careful study of this catalog will introduce you to McPherson College. Some of the things you will be interested in concern its curricular offerings, its accreditation, its faculty, its buildings, its campus, its teaching equipment, its students. You will also wish to learn what McPherson has to offer in extracurricular affairs: clubs, music, athletics, opportunities for the development of a wholesome social and religious life. You may wish to study carefully the Purposes and Aims of the college. You will, of course, want to know what the expenses are.

All of these things are explained in this catalog. The table of contents should help you find quickly what you are looking for.

The McPherson College family, students and faculty alike, will welcome you into their midst and help you with your educational development if you should choose this school. If you are comparing colleges do not overlook the fact that a significant percentage of our nation's leadership has been trained in the small liberal arts Christian college.

If you wish further information feel free to write any of the persons listed at the front of the catalog.

Welcome to McPherson College.

D. W. Bittinger, President

General Information

Purposes and Aims . . .

McPherson College is a liberal arts college operated under the auspices of the Church of the Brethren. While it is owned by the members of the Church of the Brethren in the Western Region, it is pleased to open its doors without discrimination of any kind to all who come.

It annually enrolls students from all parts of the United States and from many overseas countries. It seeks to serve all who qualify for college work. More particularly it seeks to serve the Church of the Brethren constituency and students in the McPherson regional area and in the state of Kansas.

LIBERAL EDUCATION EMPHASIZED. At McPherson College the interpretation is that liberal education focuses its attention on the individual student. It interests itself in his relation to society and undertakes to help prepare him to live well in all his relationships. It seeks to help him to learn what the good life is and how to achieve it for himself; it aims to give him both breadth and depth of human understanding; it interests itself in making of the student a good citizen; it seeks to give him backgrounds of understanding and to help him build a philosophy of life which will undergird him for his vocation or profession.

As an outcome of this liberal education emphasis the college seeks to develop in its graduates (1) achievement in scholarship, (2) mastery of techniques and tools of further learning, (3) the ability to think clearly, logically, and critically, (4) growth in the direction of more profound insights, (5) finer moral discernments and aesthetic sensitivities, (6) a loyalty to truth in all realms of life, and (7) commitment of life and abilities to useful purposes.

To do this McPherson College offers to the student education in the major fields of human experience: the arts, the natural sciences, the social sciences, philosophy, and religion. Breadth of outlook is developed by requiring the student to survey in a general way the various large fields of knowledge, chiefly during the early years of his college experience. Depth and intensity of understanding is sought by requiring the student to select some field in which he will do more intensive work.

RELIGIOUS DEVELOPMENT FOSTERED. McPherson College is a Christian college. Its religious aims are: to lead the student to an intelligent understanding of the basic doctrines of the Christian religion; to help him develop a Christian outlook on the universe, a Christian philosophy of life and a deepened devotional life; to teach him the ethical ideals of the Christian religion, and to inspire him to Christlike living.

Toward the achievement of these ends the college employs men and women as teachers and administrators who are themselves Christian. It offers courses in the Bible, church history, ethics, philosophy, and comparative religion which provide the intellectual foundation for the Christian faith. It conducts worship programs in the chapel and elsewhere cooperates with the church in promoting the devotional life. It promotes student Christian organizations, brings to the campus religious leaders for addresses and conferences, and through personal contacts and guidance seeks to be of help in developing the religious life of every student.

PROFESSIONAL EDUCATION OFFERED. Every student of McPherson College is assisted early in his college career to develop a professional or occupational direction and to build a program of studies including liberal arts courses which will enable him to attain his goal in the most effective manner.

McPherson College recognizes that to prepare students for teaching is one of its important functions since many of its graduates enter that profession. The Education Department, assisted by all other departments, prepares students for certification and competent teaching in both elementary and secondary fields. Since many students will return to the farm, in a rural life emphasis the college seeks to prepare both men and women for efficient and progressive farm life and for significant rural leadership. The college provides also certain other courses which are pre-professional or occupational in outlook. Among such are home economics, industrial arts, business administration, stenography, music, art, pre-engineering, pre-medical, and pre-law. The college aims to prepare some students for full-time Christian leadership and service: in the ministry, in missions, in Christian education, and in world-wide service projects. In all of these emphases broad liberal art objectives are maintained.

PERSONAL DEVELOPMENT SOUGHT. Because life is integral, it is important that education should deal with all of life.

Personal Character: The college seeks to develop within its students and graduates the desire for upright and unselfish living. Poise, self-control, self-discipline, a well-ordered life, devotion to truth and to goodness are among personal ideals upheld in classroom and chapel. Personal growth comes only if there is opportunity to practice and develop talent. McPherson College seeks to offer a well-rounded program that affords students opportunity for participation.

Social Competence: The college seeks to help the student achieve social poise and competence through general instruction and personal conferences, and by affording opportunities for participation in varied social activities.

Social Responsibility: It is the aim of the college to help each student achieve a sense of intelligent concern for his fellowmen. The undertaking is that the whole life of the college shall uphold the Christian ideal of service as an essential aspiration of the well-ordered and happy life.

Physical Well-Being: It is the aim of the college to assist the student in developing himself physically and socially through a program of physical education, recreation, and athletics. An effort is made to guide students into participation in some form of intramural or intercollegiate sport. The intercollegiate program seeks to aid in the physical and social development of those who participate, and to cultivate, both in the participants and in the entire school, a sense of wholesome sportsmanship and competitiveness. Its ultimate aim in this area is to produce better persons rather than specialized athletes.

Christian Homemaking: The college seeks to undergird the Christian home as one of the main bulwarks of a Christian society. It offers courses designed to help students build homes which are strong aesthetically, economically, and spiritually.

Christian Vocation: In addition to seeking to lead the student to make vocational commitments for the general betterment of our society and of the world, the college seeks also to assist him to carry into whatever occupation he enters an earnest desire to make that vocation a significant avenue of Christian service to his fellowmen.

The College Plant . . .

Mohler Hall-Administration houses administrative offices, professors' offices, and eight classrooms. It, therefore, is the center around which much of the life and work of the campus revolves. It is newly constructed, 1960, and is of beautiful and modern design.

Jessie Brown Auditorium is also new, 1960. Because of its seating capacity in excess of 1,200 and its exceptionally fine stage, lighting, and sound equipment, this auditorium serves not only the college but also the community and the region for chapels and assemblies, plays, operas, lectures, civic affairs, and religious gatherings.

Friendship Hall and Art Center connects the buildings mentioned above and serves for art exhibits, social gatherings, and, indeed, as a friendship center. These three buildings constitute the front of the campus and are approached through an attractive entrance to the campus.

Student Union-Cafeteria: A commodious and beautiful building is being constructed, 1961, containing food, office, game, lounging, and study areas. It will add much to the home atmosphere of the college.

Sharp Hall, the oldest building on the campus, now serves as a class room, office building, and student center. It will be replaced by the new Student-Union building.

Harby Hall is a four-floor edifice. All of the science departments, including Home Economics, are housed there, as are also the departments of Modern Languages and Sociology, some of the music areas, and the Museum.

The Beeghly Library: The original library was a gift of Mr. Andrew Carnegie. The library has undergone complete renovation and reconstruction through the generous aid of Milford J. Beeghly of Iowa.

Arnold Hall is a substantial, four-floor men's dormitory. It contains two reception rooms, houseparents' apartment, and room for sixty-six men. The Art Department is located in the basement of the building.

Fahnestock Hall is another men's dormitory. It contains an apartment for the houseparents and rooms for sixty men. The second floor contains a student lounge and a guest room.

Kline Hall is a three-floor brick building containing eight suites of two rooms and bath for married students, and additional rooms for unmarried students.

Royer and Edna Dotzour Hall is a commodious women's dormitory with facilities for one hundred and eight women. It has generous lounge accommodations, spacious and well-lighted rooms, a large room with laundry equipment and some cooking and refrigeration equipment. A guest room and housemother's apartment are included in the building. An addition to it is being constructed, 1961, which will house seventy-two additional women and provide further lounge, storage, and working areas.

College Courts, or apartments for married couples, are provided at the edge of the campus. These are partially equipped, are of modern design, comfortable, and attractive. An addition to them in 1961 brings their capacity to twenty-four families.

The Physical Education and Health Building has offices, a classroom, a game room, showers, dressing rooms, and a gymnasium. This modern building offers excellent opportunity for a program of physical and health education for all students.

The Frantz Industrial Arts Building is equipped with tools for cabinet making, welding, turning, machine work, craft and farm shop work. It was made possible through gifts from the Frantz families.

The J. C. Dell Rural Life Laboratory serves as a laboratory building for rural life and farm shop courses. It is equipped with up-to-date machine tools. It was made possible by J. C. Dell.

Vaniman Hall: The spacious, three-story home of the F. A. Vanimans was given to the college by the Vaniman heirs. This now serves as a dormitory. It furnishes space for twenty-two students and an apartment for houseparents.

The President's Home: A lovely home for the president of the college was given to the college by the Heaston heirs. It has become the place where students meet in groups or with the president's family for discussions, socials, and counseling.

The Forney Heating Plant is named for F. W. Forney who served the college faithfully for many years as superintendent of buildings and grounds.

The Museum contains many rare and valuable fossils, cultural artifacts, varied flora and fauna, and many valuable meteorites, besides a very large number of historic displays. It is housed on the fourth floor of Harnly Hall.

The Athletic Field is composed of a gridiron, a quarter mile track, and a playing field for softball, soccer, archery, and many other group games. It is lighted for night games. A modern and well-equipped stadium of steel provides seating for about 4,000 spectators. Concrete tennis courts are also provided.

The College Farm: A 240-acre farm is operated as a demonstration farm for rural life courses. It operates a modern dairy. It has a deep irrigation well.

Equipment: Laboratories are maintained for chemistry, biology, physics, geology, industrial arts, rural life, and home economics. They are all commodious and up-to-date. Visual education equipment and modern teaching devices are available. The student finds at hand the equipment he needs to further his education and a helpful teacher to assist him in the use of it.

History . . .

McPherson, not far from the center of the State of Kansas, is in a rich agricultural area which has been made famous by the quantity and quality of wheat produced. More recently it has become noted for its production of oil and gas. McPherson is a growing city of about ten thousand people and is the seat of government of McPherson County. It is a city of prosperous merchants, beautiful homes, parks, and trees. The climate is mild and healthful.

McPherson is easily accessible by highway, bus, or train. Two national highways, 81 north and south and 56 east and west, cross in McPherson. A main line of the Rock Island passes through the city. The Santa Fe, the Missouri Pacific, and the Union Pacific are readily accessible a few miles distant at Newton, Lindsborg, and Salina respectively.

McPherson College was founded in 1887. Ground was broken for the first building, Fahnestock Hall, on October 19, 1887. The first school term began September 5, 1888; S. Z. Sharp was the first president; sixty students were enrolled and there were seven faculty members.

In 1932 Mt. Morris College, Mt. Morris, Illinois, merged jointly with Manchester College in Indiana, and with McPherson College. The Mississippi River became the dividing line between the two college territories. Thus, two colleges were able to share in the illustrious Mt. Morris history.

Alumni Affairs . . .

The McPherson College Alumni Association includes all graduates of the college, former students who have completed twenty-four semester hours of credit at McPherson, and those who have received a certificate or diploma from a department of the college.

The Alumni Association attempts to promote the interests of McPherson College, and to establish mutually beneficial relations between the college and all of its alumni.

The alumni program includes these major emphases: homecoming the annual alumni banquet, class reunions, alumni chapter meetings, alumni publications, and alumni giving. The college employs an alumni secretary who coordinates these emphases through the Alumni Office on the campus.

Student Life

Costs at McPherson College . . .

Overall Cost (estimate) per Year \$1,173.00

Within this estimate are included tuition (30 hours), board, room, health service, student activity privileges, student publications, and the general fee.

Costs can be particularized as follows:

Tuition, \$17.50* per semester hour (30 hours)	525.00
Room, \$75 to \$90 per semester	\$150 — 180.00
Board, \$194 per semester	388.00
General fee, \$40 per semester	80.00

Total for the year \$1,173.00

Some saving can be effected in the above by choosing one of the cheaper dormitories. More cost is incurred if more than 15 hours are carried per semester. Dormitories are as follows per semester:

Dotzour Hall — women	\$90.00
Fahnestock Hall — men	90.00
Kline Hall — men	75.00
Arnold Hall — men	75.00
Vaniman Hall — men	75.00
Kline Hall — married couples	30.00—per month
Two-room furnished apartment	
Electricity to be paid by renter	
College Courts — married couples	
One-bedroom apartment	\$40.00—per month
* Two-bedroom apartment	45.00—per month
Electricity to be paid by renter	

*Per hour tuition rates are somewhat higher for enrollments of less than 12 hours per semester.

Special Charges and Fees (not included in the above estimate)

Auditing courses, each semester hour	\$3.00
Chemistry breakage deposit, courses 1 and 12	2.00
Chemistry breakage deposit, all other courses	3.00
Change of enrollment after first full week of school	2.00
Late registration	3.00
Placement Bureau enrollment	5.00
Placement Bureau, notification service	3.00
Private music lesson fee, per semester hour (in addition to regular tuition)	4.00
Transcript (first one free)	1.00
Application Fee—effective 1962-63 school year	3.00
Blue Cross—Blue Shield Insurance (optional) per year	13.00

The cost of books is not included in the above estimate. This varies by courses. Used books, from former students, are sometimes available. Clothes and personal expenses likewise are not included. These vary with the individual, but such costs can be reasonable if the student wishes to keep them so. There are no social fraternities or sororities.

Note: Since this is a two-year catalog the above charges may be modified during that period of time. If this occurs such modifications will be shown by inserts, if possible.

Methods of Payment:**a. Monthly installments**

We are glad to offer the convenient **Tuition Plan** for those parents who prefer to pay tuition and other fees in equal monthly installments. The following plans are available at the cost indicated:

1. One year plan (12 payments)—4 per cent more than cash price
2. Two year plan (20 payments)—5 per cent more than cash price
3. Three year plan (30 payments)—6 per cent more than cash price
4. Four year plan (40 payments)—6 per cent more than cash price

The 2, 3, and 4 year plans include Parent Life Insurance for qualified parents. This insurance coverage provides funds for the cost of the remaining period of schooling covered by the contract, if the parent who has signed the contract dies. A descriptive pamphlet will be sent upon request.

The Tuition Plan is optional and offered solely as a convenience. It is operated by the Tuition Plan, Inc., of New York City.

b. Optional plans

1. Cash in full for each semester at time of enrollment—(no scholarships or other discounts) Discount of \$5.00.
2. Two equal payments—No discount, no service charge. Half at enrollment, half at mid-semester; (service charge of \$5.00, plus 6 per cent interest on past due balance).
3. Four equal monthly payments—September 1 to December 1, and February 1 to May 1; (service charge of \$5.00, plus 6 per cent interest on past due balance).

c. Students enrolled for less than 12 hours—cash in full at time of enrollment—no discount.

In keeping with general college practice a student who is delinquent in the payment of any fee, account, or note due to the college will not be allowed to graduate or be furnished with a transcript showing scholastic standing until such indebtedness has been paid.

Refund of Tuition and Room Rent will be made on the following basis:

90 per cent will be refunded if withdrawal is made during the second week, and for each succeeding week the refund will be decreased by 10 per cent. After ten weeks of the semester have elapsed, no refunds will be made. Fees are not subject to refund. No refund or adjustment will be made unless authorized by the dean, or by the president in the absence of the dean.

Room Reservation and Room Deposit: Students may reserve rooms in the dormitories in advance of the opening date by depositing a fee of \$10.00 which is held as a breakage fee until the close of the year. A charge of \$1.00 each semester is made for approved electrical appliances. If rooms are no longer available in the dormitories, students will be located in approved private homes. The paid fee will assure the students of rooms in the dormitories in the order in which their names appear on the waiting list. The room reservation fee will be refunded if the request is received before July 15.

Room Furnishings: Since the college does not supply bedding the student is requested to bring his own. Bedding for single beds, including pillows, pillowslips, sheets, blankets, quilts, bed covers; likewise, curtains, rugs, and personal items may be brought as desired for the room.

Application Fee: Effective with applications for admission for the fall semester of 1962 a non-refundable application fee of \$5.00 is to accompany the application for admission. This \$5.00 is applied to the student's semester expenses.

Financial Aids . . .

Scholarships, loans, and grants-in-aid to students are awarded through a Scholarship, Loans, and Aids Committee. Students are eligible for only one scholarship or grant-in-aid at one time unless exception is made by this committee. In case the student is eligible for several forms of scholarships or grants he may choose the one he wishes to utilize. Application for any form of student aid should be made as early as possible. The proper blanks can be secured from the admissions office or the president's office. All students receiving scholarships or grants-in-aid must maintain a creditable scholastic record. Scholarships and grants-in-aid do not apply to summer school work unless specially voted by the committee.

1. SCHOLARSHIPS

High School Honor Scholarships are granted to high ranking graduates of high schools.

Junior-College Honor Scholarships are granted to high ranking graduates of junior colleges.

Upper Class Scholarships are offered to two McPherson College sophomores and two juniors each year for the succeeding year. These are awarded on the basis of three semesters and five semesters of college work respectively.

Music Scholarships: A limited number of scholarships are offered in piano, in voice, and in instruments to students upon audition and recommendation by the Music Department.

Memorial Endowment Scholarships are available to worthy students through endowment funds provided in memory of: Glen Donald Austin, Virginia Meyers Berkebile, Walter E. Berry, Earl Khy Curtis, Samuel Theodore Elrod, Mrs. Roscoe C. Ingalls, and Edith D. Keller.

Special Scholarships: From time to time short-term or longer term scholarships or grants-in-aids are established at the college for an individual or for students from a certain church, state, or group. Examples of these are:

- The Peoples State Bank** scholarship or grant is for worthy students coming from the McPherson area;
- The Ullom** scholarships or grants are primarily for students from Colorado;
- Other** scholarships or grants are made available from time to time by G. F. McGonigle, E. J. Frantz, women's church organizations, youth organizations, and others. Inquiry can be made about these from the college.

Graduate Scholarships are offered annually to McPherson graduates by leading universities. These vary in value and in term. Members of the senior class possessing proper qualifications will be recommended for these.

Scholarships from various Foundations are available to graduating seniors upon recommendation by the college.

2. GRANTS-IN-AID

International Student Grants: up to twelve, are made available to international or foreign students. These apply toward tuition only.

Children: Thirty per cent of college tuition for any number of hours enrolled up to sixteen hours per semester is available to the unmarried children of active pastors or to the unmarried children of those who are engaged in full-time Christian service as identified under Ministerial loans.

Brethren Volunteer Service: Grants-in-aid of 30 per cent tuition are available to those who have served in BVS without pay. These grants are for the same number of years served, not to exceed two years.

Family: When there are two regularly enrolled college students from the same family and neither has received a scholarship or grant-in-aid from the college, each will be given a discount of 5 per cent of tuition. When there are three regularly enrolled students from the same family and none has received a scholarship or grant-in-aid from the college, each will be given a 10 per cent discount.

Special grants-in-aid of varying amounts, up to \$100.00 a semester, are made to worthy students based upon need.

Matching Aids: The college will match, up to \$50.00 a semester, grants-in-aid made by Churches of the Brethren, or other selected groups where worthiness and need of the student have been established.

Veterans Benefits: McPherson is on the approved list to handle veterans benefits as administered under existing Federal laws 550, 634, and/or others.

3. ASSISTANTSHIP'S

The college employs student assistants for its instructional staff. The students are usually selected from the upper classes and must be students of high scholastic standing. All appointments are made for one year and are conditioned upon satisfactory service and the approval of the Administrative Committee of the college.

4. LOANS

Loan and grant-in-aid funds have been established at McPherson College by friends of the college and of youth. Some of these are: Beatrice Assembly, Albert and Charles J. Cochran, John Samuel Evans, E. J. Frantz, Mrs. E. E. Greenough, Mrs. Sarah Wilmore Harnly, Dr. W. C. Heaston, Della Hoerner, Roscoe Ingalls, Mrs. Elizabeth Kenner, O. F. McGonigle, the McLaugh Church, Frank Rhodes, Mrs. Ella Rock, Dr. Ralph Y. Strohm, various youth groups, and others.

Ministerial loans amounting up to 30 per cent of college tuition, for any number of hours enrolled up to sixteen hours per semester, will be granted to juniors and seniors who are preparing for the ministry or for full-time Christian service. This loan will carry no interest until the student discontinues his work at McPherson College or graduate school. At any time up to ten years after his discontinuance of his course of study at McPherson College, this loan will be automatically retired at the rate of 20 per cent of its face value for each full year of service the student renders as a pastor of a local church, full-time minister of music, or full-time director of Christian education in a local church, missionary under the auspices of his denomination, or full-time worker in Brethren Service.

Interest at the rate of 4 per cent will be assessed for any unpaid balance after three years following the date of discontinuance of course of study at McPherson College.

A **Student Rotary Loan Fund** for worthy students has been made available by the General Brotherhood Board of the Church of the Brethren. Application for a loan from this fund must be made through the college.

The **Kansas Federation of Women's Clubs** and various civic organizations of McPherson offer to worthy students loans which may be obtained on reasonable terms.

A **Rotary Club Loan Fund** has been established by the McPherson Rotary Club.

Government Loans: McPherson College is a participant in the program of government loans for students. This is administered under the Department of Health, Education and Welfare, title II, public law 85-864. Under the provisions of this law students may borrow through the regular college channels at minimal interest rates. The government maximum loan is \$1,000 per year. Full particulars are available upon request.

5. EMPLOYMENT

There is some opportunity for students to earn money both at the college and in the town of McPherson. The dining hall supplies work to a number of women and men. There is janitorial work for dependable students. Some students find clerical work in the college offices, and some work in the library or on the college farm. In addition to this many students find work in private homes, stores, service stations, garages, and restaurants in McPherson. The college operates an employment bureau to help students find work. However, it should be understood that only a fraction of one's total expense can be earned by part-time employment and that the jobs available are limited. Caution should be exercised in the number of work hours a student undertakes. A maximum working load should be fifteen hours, if one is carrying a normal load of school studies.

Counseling and Personnel Services . . .

Counseling: The change from high school and home to college life sometimes involves difficulties of transition. A counseling service under the supervision of the Personnel and Counseling Committee is provided to assist students in making the adjustment to college life and to guide them through college and into the business and professional world. Each student is assigned a counselor to aid him in curricular or other problems. Later this guidance is given through his major professor.

All faculty members offer their time freely to counsel with any student on any subject, or to visit with them for the purpose of friendship and growth.

Scholarship is stressed, and health, emotional balance, personality adjustment, economic intelligence, religion, and vocational purpose are values sought for in each student. A special effort is made to help freshmen and new students become oriented to college life. Faculty members and students direct a program to help in this process. During the opening weeks of school, a special effort is made to orient new students to the meaning of a liberal education, and to college life in general.

Health: The health service of the college is under supervision of the school nurse. The scope of the health service is as follows:

1. To pay \$2.00 for each of three calls per student at a physician's office and \$3.00 for one residence call. All calls must be approved in advance by the school nurse or the housemother of Dotzour Hall.
2. To pay \$6.00 per day for use of a room in the McPherson County Hospital for three days each semester, subject to approval in advance by the school nurse.
3. To give first aid treatment at any time.
4. To supervise and maintain general sanitary conditions and health influences.
5. To advise and refer for specialized medical care any student needing such attention.
6. To give advice in matters concerning personal health and hygiene.

Costs of all other office calls, examinations, medicine, X-rays, and special treatments must be paid by the student. However, McPherson College has made arrangements with the Blue Cross-Blue Shield whereby the student can obtain complete health insurance coverage for the very nominal fee of \$15.00 (for a single student) per calendar year.

Testing Service: All incoming students are required to take the tests of the American College Testing Program prior to admission or immediately upon matriculation. The scores on these tests are used for counseling purposes. During the period of orientation, additional tests are administered to freshmen. Results from all of these tests are made available to counselors to be used at their discretion in counseling students. Students interested in exploring their capacities and in securing vocational, educational, or professional guidance will be given suitable tests and interpretations of the results by making application to the Personnel and Counseling Committee.

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Moral and Religious Influences: As a Christian college under church supervision, McPherson College is vitally interested in the religious life and development of its students. It desires for each student an intelligent, living faith in Jesus Christ, which will integrate personality and express itself in noble Christian character and worthwhile work.

An environment favorable to these aims is provided by the college and added to by the City of McPherson with its many churches, its Y.M.C.A., and its emphasis on things cultural and religious. A chapel and an assembly period are held each week; various religious and special interest groups meet regularly.

All classroom teaching is permeated by a spirit of reverent searching for knowledge and truth. All teachers are Christian men and women.

The McPherson Christian Association: In its general assemblies, discussion groups, and other activities, the M.C.A. gives opportunity for expression along religious lines. This cosmopolitan organization is doing much to make religion felt on the campus.

The Recreation Council: This organization is composed of a group of students selected from the various church districts. Its purpose is to study recreation problems in relation to the church program and to offer experience in leadership.

Social Life: McPherson College aims to train young people for membership and leadership in a Christian social order and to create in them a sense of their social obligations and responsibilities. The social program seeks to stimulate students through study and direct experience to gain for themselves a pattern of values, which will give meaning and direction to life.

The new Student Union Building houses excellent social facilities including dining rooms, lounges, recreation areas, and student offices. There are lounges in the dormitories in which students meet their friends during leisure hours. Informal gatherings are sometimes held in the homes of faculty members and the president.

Many informal parties and some formal activities are planned in order that students may feel culturally at ease in all types of social life. Skating parties, trips to nearby cities, and outings are regularly arranged. The social life is under the general administration of the Social Committee composed of faculty members and students.

The Placement Bureau assists graduates and former students to secure positions in their professional fields. Registration blanks may, for those interested in teacher placement, be secured in the Education Placement Office. A nominal fee of \$5.00 is charged for life membership. The only occasions when additional charges would be incurred are in event of the need for additional sets of credentials or for use of the vacancy notification service. Charges are \$2.50 for each additional set of three credentials and \$5.00 for each season's use of the notification service. Members of the placement bureau are urged to keep their credentials up to date by adding new recommendations, additional academic work, or change in personal data. Credentials will be sent to any school at the request of the member or a school system.

A placement service for other fields than teaching is maintained in the office of the Director of Alumni Affairs. Many business firms make contacts through this office in recruiting employees. Current information concerning job opportunities is made available to graduating seniors.

An employment service for students is handled through the Admissions Office. Many McPherson and area businessmen report part-time student jobs to this office. The Admissions Office in turn makes this information available to students.

Student Regulations . . .

McPherson College seeks to uphold high ideals of Christian conduct and growth in every phase of the student's life. It is requested that students who apply for admission indicate a desire to fit into and profit from such an environment.

Each student is encouraged to develop positive and wholesome patterns of study, work, worship, recreation, and the use of leisure time. It is anticipated that increasingly each will be able to manage his own disciplines and that consideration for the other person's rights, regard for the common respectabilities and courtesies of adult behavior, and a desire to deepen and enrich his own life will become central in his pattern of conduct. In order to help in these directions, the college, since its inception, has ruled that alcoholic beverages, gambling, and smoking shall not be a part of its campus conduct.

McPherson students participate in self-government. They have their own elected student officers and govern themselves according to their own constitution. These offices and their functions are explained fully in the student handbook, *The Growl*. The students also have their own elected Student Court. The Court handles matters of adjustment or discipline which work against the welfare of any individual student, or of the total college group.

The student is encouraged to participate fully in the religious activities of the campus and to attend regularly the church and church school of his choice. The total college gathers in chapel or assembly meetings twice each week. Attendance at these is required, as is attendance at the regular class sessions.

The dean of students has general supervision of student welfare, the dean of men works closely with the men students in their problems and interests; the dean of women performs a similar service for the women students. A special faculty counselor is assigned to each student to help him with academic and other problems.

Students, who find it persistently impossible to fit into the atmosphere of the college or whose academic record indicates inability or unwillingness to perform college caliber work, may be asked by the Student Court and/or the administration to withdraw. All parents are urged to keep in close contact with their sons and daughters and with the college administration in order that the total advancement and growth of the student may be fostered.

Students who represent the college in public appearances or programs must be cleared through the departments of their specialty: athletics, music, public speaking, and so on. Their deputation scheduling should be through the department of public relations or other appropriate college agency.

Students should inform their correspondents that all mail addressed to the college should be plainly marked "McPherson College" giving also the name of the dormitory. This is important, since there are two colleges in McPherson.

Visitors are always welcome at McPherson College. If housing is desired guests should report ahead of time to the dormitory head resident or to the college administration in order that housing may be arranged.

Extracurricular Activities . . .

Extracurricular Activities are organized and arranged to provide helpful experiences and opportunities for personal development on the part of students. These undertake to contribute to the general educational purposes of the college. The Personnel and Counseling Committee of the faculty is the general supervising agency. In addition, each student organization has a faculty sponsor who attends meetings, aids in planning the year's program, budgeting funds, and keeping accurate accounts and records. The books of all secretaries and treasurers are filed in the business office during the summer. All students are urged to participate in some extracurricular activity in order to broaden their college experiences and to enrich their personalities.

The Spectator: The campus newspaper published weekly by the students gives opportunities for practical experience in journalism. Students hold the editorial and staff positions of editor-in-chief, managing editor, campus editor, and business manager. The editors serve one semester in each of the three editorial positions. A new campus editor is selected each semester. Other positions such as sports editor, society editor, and reporters are open to any student. The business managers get experience in advertising and business.

The Quadrangle: The student yearbook is also prepared as an extracurricular activity. The editor and the associate editor head the editorial staff. A new associate editor is selected each year. A business manager and assistant help prepare the yearbook. All of these get practical experience in journalism and business.

The Student Council: The Council is the governing agent of the student body. It is comprised as follows: a president and a treasurer; the treasurer of the previous year; one man and one woman from each of the four classes; one man and one woman representing the extracurricular activities; the dean of students; the dean of the college; the dean women; and the dean of men. All students are elected by the total student body or by the organizations they represent.

The Council issues three publications: **The Growl**, a student handbook, for distribution at the opening of the school year; the **Spectator**, a campus newspaper; and the **Quadrangle**, a student yearbook.

The Student Council distributes the funds allotted to the Council by the college for the various student organizations and cooperates with the Personnel and Counseling Committee of the faculty on matters of concern relative to student welfare.

Students living in the dormitories have their own **dormitory councils** which administer college and dormitory regulations with the advice and assistance of the housemothers, head residents, and deans of women and men.

The Student Court: The Court functions as the guidance and disciplinary agency of the student body. It interprets the student body constitution and has the authority to render and enforce disciplines, even to the extent of recommending suspension from college. The Court is composed of thirteen members: five seniors, four juniors, three sophomores, and one faculty representative. A chairman and a secretary-treasurer are elected by the Court from its membership.

Men's and Women's Councils: These are under the sponsorships of the dean of men and the dean of women, and are composed of selected groups of representative students. The councils meet regularly to discuss and deal with general student welfare.

Alpha Psi Omega: This is a national honorary history society. Students who have completed at least twelve hours of history and who have achieved an exceptional scholastic rating are eligible for membership.

Pi Kappa Delta: This is a national honor forensic society. Its membership is open to those who have participated in oratory, debate, and other forms of public speaking.

The A Cappella Choir: This choral group specializes in the singing of unaccompanied choral literature. Members are chosen on the basis of maturity of voice and choral experience. Membership is limited. The choir makes appearances at college assembly or chapel services, at the college church, and at various McPherson College area and regional meetings. It presents a public concert in the early spring. Occasionally it tours among high schools and churches.

The College-Civic Orchestra: This orchestra is open to all qualified instrumentalists upon application to the director. Orchestra concerts are presented several times throughout each school year.

The College Band: This group of students and faculty members presents varied programs and concerts during the year; a section of the band called the **Pep Band** performs at the athletic events.

Brass, or Other Ensembles: These vary from year to year. They are open to qualified and capable students.

Athletics: McPherson College is a member of the Kansas College Athletic Conference, in which the following sports are recognized: football, basketball, track and field, tennis, and golf. The college offers physical education and athletic activities of a wide variety. Every student within the school is offered an opportunity for wholesome recreation and physical exercise under competent leadership.

The "M" Club: This is an organization of men who are awarded letters in any of the sports sponsored on the campus. It sponsors various events and meetings.

The Women's Athletic Association: The WAA is open to all women students who participate in extracurricular sports activities. Their program is broad in scope and aims to provide activities adapted to the needs and interests of all students. Demonstrations, social functions, and play days are included in the program. Official letters are awarded to girls for points earned in participation.

The Pep Club: The membership consists of students interested in promoting better organized cheering and fostering school spirit. The club assists the cheer leaders.

Intramural Sports: These are varied and all students are encouraged to participate. Their purpose is to create interest in sports and to afford all students opportunity for expression and for leadership experience in the area of athletics.

Special Events . . .

Regional Youth Conference: The youth of the region come together each year for several days under the direction of capable leaders for inspiration and program planning.

High School Visitation: During the school year members of the student body and faculty visit the surrounding high schools to bring to their attention the opportunities of a college education and to consult with students concerning their educational plans.

The Booster Banquet: Cooperation of community and college was the primary motive for instituting the Booster Banquet in 1931. Each year several hundred of the leading citizens of the community have mingled in a fellowship banquet and program as a token of their interest and support of McPherson College.

Homecoming: Each year a homecoming celebration is sponsored by the alumni and the various organizations of the college. Several activities, which usually include an alumni tea, and M Club banquet, and an after-game coffee hour, are planned for the interest of alumni. A homecoming queen and two attendants are selected by the students to reign over the homecoming festivities.

Spiritual Emphasis Week: In this activity an outstanding religious speaker leads the entire student body and the college church in a religious emphasis. Daytime and evening public meetings and individual or smaller group conferences are a part of the emphasis.

Open House: Every year each dormitory holds an open house. Parents, faculty, and friends are invited to visit the students in their dormitory homes.

Musical Concerts and Operas: Various concerts and an occasional opera are presented by musical groups and individuals at appropriate times. The general public is invited.

Plays and Debates: Several plays are presented by the McPherson College Players annually. McPherson College has been host to at least one invitational debate tournament each year.

Cultural and Concert Series: A series of musical events, plays, and lectures are presented for students and the general public. Outstanding artists are brought to the campus in this manner.

All-School Events:

A formal faculty reception to the students is held *early* in the fall.

An all-school formal is usually held during the Christmas season and another during the spring months.

Several all-school parties, skating parties, and play nights are sponsored by classes or organizations. Occasionally, all-school outings are held.

McPherson County "All Schools Day" festivities are participated in by the college. Some of the college organizations enter floats in the "All Schools Day" parade.

Community Service: McPherson College is eager to be of service to high schools, communities, and churches, either near-by or throughout the entire region. Faculty and students are prepared to assist in teachers' institutes, parent-teacher meetings, lecture courses, entertainments, and religious services. A speakers bureau is maintained.

Adult Education: The college functions in something of the capacity of a community college by providing classes in adult education during certain evenings of the week and on Saturday morning.

Academic Regulations

Admission Requirements . . .

It is the desire of McPherson College to admit students of good character and purpose whose academic and personal achievement give promise of success in college. Each candidate is expected to be a graduate of an approved secondary school with a satisfactory scholastic record and shall have a minimum of 15 high school units. It is recommended that candidates for admission have the following distribution of credits: four units in English, two units in history or social science, two units in mathematics, and two units in laboratory science. Among the elective units it is desirable that the student have two units of foreign language.

An application for admission must be filed with the Office of Admissions on an official form. On the application form the candidate indicates his housing preference. A thorough health examination by the applicant's physician must be summarized on a college medical report form. Forms may be secured by writing to the Director of Admissions.

Candidates for admission are required to take the American College Testing program examinations. It is recommended that these tests be taken by the candidate during the senior year of high school. Students from states not regularly administering the ACT exams will be expected to take the tests at McPherson during the opening days of school.

Effective with applications for admission for the fall semester of 1962: A non-refundable application fee of \$5 is to accompany the application for admission. This \$5 is applied to the student's semester expenses.

The college will secure the official transcript of the student's high school record as well as recommendations as to his personal and social qualities. After data is gathered, each application for admission is given individual attention. The decision of the Admissions Committee is based on a careful examination of the candidate's file. On the basis of satisfactory credentials including a seven-semester transcript of credits, a high school senior may be granted tentative admission contingent upon the satisfactory completion of requirements for graduation from the student's high school.

Advanced Standing: Candidates for admission from other colleges must present evidence of honorable dismissal and official transcripts from the colleges attended. A student seeking admission to advanced standing must present an application for admission to the Director of Admissions and should request the institution last attended to send to the Director of Admissions a transcript of all college work completed. In addition, the student himself should submit a letter of his own composing in which he gives his reasons in detail for wishing to transfer.

A transfer student having fewer grade points than hours will not receive credit toward the 124-hour graduation requirement for more hours than he has grade points; nevertheless, such a student in order to establish eligibility for a degree must earn grade points to equal all hours attempted (both at McPherson and at the school previously attended). Students from junior colleges will receive credit for no more than 62 semester hours. Students will receive credit for no more than 30 semester hours of extension courses of other institutions, including correspondence courses.

McPherson College will accept a maximum of 60 semester hours of course work taken in Bethany Bible Training School of which not more than 30 semester hours may be strictly theological. Training School credit will be accepted by McPherson College only in the case of an entering student.

Credit will be given for the service training program conducted by the various branches of the armed forces as recommended by the American Council on Education in "A Guide to the Evaluation of Educational Experiences in the Armed Forces."

Students entering college with the R.N. degree in nursing will be credited with some work toward graduation at McPherson. This can total as much as one year's work toward a degree.

Re-admission: Students who have previously attended McPherson College and who have interrupted their McPherson College program for longer than the period of one summer recess should make application for re-admission. If re-admission is granted, an official letter of acceptance will be sent before the time of registration.

Registration: Official registration for courses and official withdrawal from courses takes place only when the student has provided all information required on the official forms of the Registrar's Office and has secured the signature of the Dean of the College or his designated representative. A student must complete all admission procedures prior to registration. Registration for each semester must be completed on the days designated for that purpose in the calendar of the college. Failure to do so will result in a late registration fee of \$5.00.

Degree Requirements . . .

The degree, Bachelor of Science, is offered in biology, chemistry, mathematics, physics, home economics, industrial arts education, agriculture and rural life, education and psychology, economics and business, history, and sociology. The degree, Bachelor of Arts, is offered in English, applied music, philosophy and religion, economics and business (economics emphasis), history, sociology, biology, chemistry, mathematics, and physics.

The B.S. or A.B. degree will be conferred on a student who meets the residence, credit, grade point, distribution, concentration, and English proficiency requirements, all of which are described below. Application for graduation must be made to the registrar by the end of the third week of the semester immediately preceding the date of graduation.

Residence: In order to qualify as a candidate for a college degree, a student must earn a minimum of 30 semester hours of credit at McPherson College with at least 20 of the last 30 or 40 of the last 60 hours completed in residence.

Exception is made for a student who, after earning 90 semester hours of credit (94 including physical education credit) at McPherson College, goes to a recognized professional school requiring at least 90 semester hours for admission, enters a professional curriculum requiring a minimum of three additional years for completion, and transfers back 30 semester hours of credit from acceptable courses. Likewise, a degree may be conferred on a student who takes 90 semester hours (94 including physical education credit) at McPherson College and who attends at least 2½ years in a nurses' training institution directly affiliated with a university and transfers back to McPherson College 30 semester hours of credit from acceptable courses.

Credit and Grade Point Requirements: The satisfactory completion of 124 semester hours is required for graduation. At least 40 semester hours in upper level courses taken in the junior-senior years are required. (Upper level courses include all courses in the catalog numbered 100 or above.)

In order to be graduated, a student must have an over-all scholastic index of 1.0. A transfer student must also have a scholastic index of 1.0 on all work taken at McPherson College. The scholastic index is calculated by dividing the number of grade points earned by the number of hours attempted, including those attempts which did not result in credit for the student. Grade points are earned as follows:

- A—Three grade points for each hour of credit.
- B—Two grade points for each hour of credit.
- C—One grade point for each hour of credit.
- D—No grade points.

Distribution Requirements: The distribution requirements for the Bachelor of Science degree and the Bachelor of Arts degree are as follows:

BACHELOR OF SCIENCE**BACHELOR OF ARTS**

		Humanities	
Art and/or music *1	3 hours	Art and/or music *1	3 hours
Literature *2	3 hours	Literature *2	6 hours
Bible *3	3 hours	Bible *3	6 hours
Electives in humanities *5	3 hours	Foreign language *4	6 hours
		Philosophy or history of thought	3 hours
		Social Sciences	
History	3 hours	History	3 hours
Sociology	2 hours	Sociology	3 hours
Economics *6	3 hours	Economics *6	3 hours
Electives in social sciences *7	3 hours	Electives in social sciences *7	3 hours
		Physical and Biological Sciences	
Biological and physical science	10 hours	Biological and physical science	10 hours
This requirement must include at least one course (if not less than two courses) in each of the two areas.			
Electives in science and/or mathematics *8	5 hours		
		Special Skills and Understandings	
Written Communications	4 hours	Written Communications	4 hours
Oral Communications	2 hours	Oral Communications	2 hours
Health & physical education *9	4 hours	Health & physical education *9	4 hours

*1 Courses emphasizing teaching methodology cannot be used to meet this requirement.

*2 Reference is to literature courses numbered from 31 to 148.

*3 Reference is to Bible courses numbered 21, 22, 106, 111, or 118.

*4 The requirement may be waived by the dean of the college for those who can demonstrate reading or conversational ability.

*5 Electives here may include additional hours in the areas indicated above and hours in foreign language, philosophy, history of thought, world religions, ethics, drama, and speech.

*6 Reference is to economics courses numbered 1, 4, 109, 130, 140, and 151.

*7 Electives here may include additional hours in the areas indicated above and hours in general psychology and political science.

*8 Up to three hours of this requirement may be met by courses in the practical arts and applied sciences.

*9 This must include two hours of activity courses from the Health, Physical Education, and Recreation Department numbered 1-10, 13, 14, 16, 18, 25, 24, 26, 109, and 110. The additional two hours may be from other courses in the department and from Nutrition or Family Health in the Home Economics Department.

Concentration Requirements:

1. The completion of a major of not less than 24 semester hours in biology, chemistry, economics and business administration, education and psychology, English, history, home economics, industrial arts, mathematics, music, physics, philosophy and religion, sociology, or rural life. A minimum of 12 hours of this requirement must be met in the courses open to juniors and seniors only.
2. Comprehensives, reviews, supporting courses, or seminars may be required of majors by any department. Arrangements for these shall be made by the head of each department.
3. A complete tentative program of courses for junior and senior years, incorporating the requirements stated above, must be worked out by the student and his major professor not later than the beginning of the student's junior year. If a student intends to teach, this program must be approved by the education counselor also.

Note: Requirements one and two are explained in more detail under the departmental requirements.

Proficiency Examination in English: All students are required to pass a proficiency examination in the writing of English prose and in the mechanics of the English language before applying for graduation or for matriculation in the teacher education program. This examination is given at the beginning of the fall semester and is required of all juniors and those seniors who have not already passed it. Students who fail in the examination are required to enroll in "English Review" in order to correct their deficiencies and to be eligible to take the proficiency examination again.

General Academic Regulations . . .

Student Load: The average student load is 16 hours a semester. All students are limited to 18 hours except by special permission from the Curriculum Committee. No student may apply for enrollment in more than 18 semester hours unless he has earned a grade point average of 2.25 or higher in the preceding semester.

Students are encouraged to carefully balance curricular, extracurricular, and manual work loads. Advisers will help at this point.

Change of Election of Courses will be initiated through the counselor as a rule. Such changes cannot be granted after Saturday noon of the second week of the semester. Upon written request and the presentation of valid reasons for exception being made, the dean may approve changes after the two-week period. A late registration fee will be charged for each enrollment change later than the second week of the semester.

Withdrawal from Courses without registration of grade is possible until Saturday noon of the fifth week of the semester on the approval of the dean. Failure to secure permission to withdraw will result in a grade of "F" in the course. A student who fails to do satisfactory work in a course may be asked to withdraw.

Students faced with induction pressures may qualify for credit totaling as many hours as the number of weeks attended in class by taking an examination over the work covered.

Scholarship and Probation Rules:

Freshman: A Freshman student is placed on academic probation if his scholastic index is below .5 at the end of his first semester of attendance or below .75 at the end of his second semester. (Once placed on probation, a student of any classification will remain on probation until his cumulative index is brought up to the 1.0 level.)

Students beginning a fourth semester of attendance (or others who have attempted 39 hours or more): Any student whose cumulative index is less than .75 or who has earned an index of less than .75 at the end of the first semester in which he was classified as a sophomore (or in which he would normally have been classified as a sophomore except for grade point deficiencies) will be placed on academic probation.

At the end of the sophomore year or thereafter, any student whose index for a particular semester falls below .25 will be placed on academic probation for one semester, regardless of his cumulative index; he will also be placed on probation whenever his cumulative index is less than 1.0.

Probation and Eligibility for Further Attendance: Any student who has reached the point at which he would normally begin his junior year (has attempted 54 hours or more) and who has a cumulative scholastic index of less than .80 shall be ineligible for further attendance. Any student who is ready to begin his senior year (has attempted 84 hours or more) and who has a cumulative scholastic index of less than .90 shall be ineligible for further attendance. Any student who, by the beginning of his eighth semester, fails to demonstrate a likelihood of reaching the 1.0 average by the end of the next semester will not be permitted to make formal application for graduation.

Exceptions to these rules will be made only by special action of a committee consisting of the president, the academic dean, the dean of students, and the registrar. During the absence of any one or two of these persons, the president or the academic dean may make temporary appointment of one or two of the Curriculum Committee members to replace the absent person or persons.

A student who has been refused permission to re-enroll because of low scholarship may apply for readmission after the equivalent of one academic year has passed. Favorable consideration of such an application will depend upon the presentation of evidence that the applying student is prepared to do an improved quality of academic work.

Note: The scholastic index shall be calculated by dividing the number of grade points earned by the number of hours attempted, including those attempts which did not result in credit for the student. A student transferring to McPherson from another institution and not receiving credit at McPherson because of low marks in some of his courses will, nevertheless, have his over-all grade-point average calculated on the basis of grade points earned divided by hours attempted at McPherson and in the other school.

Classification of Students: In order to be classified as a member of any class except the freshman, and to be eligible for enrollment in courses open to members of that class, a student must meet the requirements listed below.

Sophomore	Junior	Senior
24 semester hours	34 semester hours	84 semester hours
24 grade points	34 grade points	84 grade points

The classification with which a student begins an academic year will be carried by him throughout the year. An exception is made for juniors who plan to graduate at the close of the summer session; they may be classified as seniors at mid-year.

Scale of Grading:

A—indicates high honor and is reserved for very distinguished work.

B—indicates very good work of much more than average quality.

C—indicates that the work has been of good average quality.

D—indicates that the work has been the lowest in quality that will enable the student to pass the course.

I—indicates work is incomplete. This mark will be given only when the cause for the incomplete has been unavoidable as determined by the instructor and the dean of the college.

F—indicates failure.

WP—withdrawn passing; WF—withdrawn failing.

Note: An "I" may be changed to a grade by completing the incomplete work to the satisfaction of the teacher. The incomplete must be satisfied within a time limit set by the instructor and the dean when the mark of "I" is assigned.

Honor Roll: To be eligible for the honor roll, students must have earned a grade point average of 2.50 during the previous semester. Students obtaining a grade point average from 2.25 to 2.49 will be placed on the honorable mention roll. Credit earned by examination will not be included. A list of these students shall be compiled and appropriately advertised at the close of each semester. This list shall be known as the Honor Roll of McPherson College.

Honor Graduates: McPherson College gives consideration for excellency in scholarship during the college course by graduating students with the following honors.

Students who earn a minimum of forty per cent of "A" grades and not more than ten per cent of "C" grades are graduated *cum laude*.

All students who earn during their college course a minimum of sixty per cent of "A" grades and not more than eight per cent of "C" grades are graduated *magna cum laude*.

All students whose college records show a minimum of eighty per cent of "A" grades and no grades below "B" will be graduated *summa cum laude*.

Independent Study Courses: A student in his junior or senior year who has made an average grade of "B" or better in twelve or more semester hours of work during the previous semester may enroll for independent study in his major department for the ensuing semester. The problem or project on which the student is to work and the amount of credit to be received for the work must be approved by the student's major professor and by the Curriculum Committee prior to the enrollment for the work. One to three semester hours credit may be earned during a given semester, but under no circumstances will independent work be approved that overlaps work that can be done in regular classes.

Problems or projects worked out in independent study must be written up in thesis form acceptable to the student's major professor and the Curriculum Committee. At the discretion of this group, the student may also be required to take a written examination, as well as an oral comprehensive examination before a committee of faculty members headed by the major professor.

Class Attendance: Regular class attendance is required of all students.

A student who persists in being absent from class will be reported to the dean's office. A student consistently absent from class or from private lessons will be dropped from the class and/or from the college. Specific details on this can be secured from the instructor or from the dean's office.

Few absences are necessary; necessary absences that can be anticipated should be cleared with the dean and with the instructor before the absence occurs. When an absence is unavoidable, the student should explain to the instructor in charge each absence at the next meeting of the class he attends.

Students shall be excused from classes in the period preceding or the period immediately following a vacation only by the dean of the college or by the committee of deans. The policy, in general, is not to allow either lengthened vacations or prolonged absences from class. Penalties may be assessed in those cases in which students violate these principles.

Chapel and Assembly Attendance: Attendance at all chapels and assemblies is expected of students and members of the faculty. These sessions are considered to be an integral part of the educational program and constitute gatherings of the educational community for worship, inspiration, fellowship, and the exchange of information. Regular attendance is required. A "convocations" enrollment is entered on the student's official record each semester along with an entry identifying a "pass" or a "failure." A failure results from the accrual of more than two unexcused absences in any one semester. All students receiving "failures" in convocations will be required to take additional approved course work in the amount of one hour for each semester failed in order to meet graduation requirements.

Professional and Pre-Professional Curricula . . .

McPherson College with its emphasis on a genuinely liberal education concerns itself primarily with the broad understandings and perceptions which appear basically in all professions. This broad educational base, along with ample opportunities for specialization in a number of areas, makes it possible for the McPherson product to enter a number of vocations upon graduation, or after study in the pre-professional curriculum at McPherson to proceed to a professional program in one of the professional schools or universities.

A Careful Examination of the course offerings of the various departments of the college will reveal that the McPherson graduate is adequately prepared for the business and professional vocations normally associated with graduation from departments of education and psychology, English, art, history, music, philosophy and religion, biology, chemistry, economics and business, physics, industrial arts, mathematics, rural life, sociology, and physical education. A careful examination of departmental materials described in this catalog and a continuous contact with a faculty adviser will place the McPherson student in a good educational relationship with any one of vocations normally associated with the subject matters of the departments identified here.

Several Specific Pre-Professional programs are described in the paragraphs which follow. Although the suggested programs represent the best judgment of the college counselors in each case, it is recognized that adjustments need to be made in some cases because of special interest and needs. It is wise for the student and his counselor to plan the student's program in advance of enrollment in order that he may take the courses needed without conflict in schedule. Students wishing to enter pre-professional or professional courses, but who are undecided concerning the specific curriculum, should examine the following general curricular outlines for the first two years of college.

Choices of Specific Courses from this outline will depend on the objectives of the students. Choices always depend to some extent on the professional school to which the student wishes to transfer and also on the period of time the student wishes to spend at McPherson College. Consultation with an adviser on the campus is imperative if final decisions are to be good ones. If the student knows the professional school to which he might transfer, he should obtain a catalog from that school and have it with him at the time that he discusses his college enrollment with his adviser. Departmental counselors, the dean of the college, and the registrar are available to advise on the specific subjects to consider.

General Program Outline

Bachelor of Science

FRESHMAN YEAR

First Semester		Second Semester	
	Hours		Hours
Written Communications	3	Written Communications	3
Science	4-5	Science	4-5
Bible	3	Bible	3
Mathematics or Electives	3	Oral Communications or Electives	2-3
Art, Music, or Electives	2-3	Mathematics or Electives	2-3
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

First Semester		Second Semester	
	Hours		Hours
Literature	3	Humanities Electives	3
Sociology	3	Economics	3
History	3	Social Science Electives	3
Science, Mathematics, or Electives	2	Science, Mathematics, or Electives	2
Electives	2-4	Electives	2-4
Physical Education	1	Physical Education	1

General Program Outline

Bachelor of Arts

FRESHMAN YEAR

First Semester		Second Semester	
	Hours		Hours
Written Communications	3	Written Communications	3
Language	3	Language	3
Science	4-5	Science	4-5
History or Electives	2-3	History or Electives	2-3
Oral Communications or Electives	2	Art, Music, or Electives	2-3
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

First Semester		Second Semester	
	Hours		Hours
Literature	3	Literature	3
Language	3	Language	3
Economics	3	Sociology	3
Bible	3	Bible	3
Electives	2-4	Electives	2-3
Physical Education	1	Physical Education	1

Pre-Engineering: Arrangements with Kansas State University, the University of Kansas, and the University of Wichita provide joint programs which enable the student to earn both the bachelor's degree at McPherson College and a Bachelor of Science degree in the field of engineering in the engineering schools of the universities identified.

Under this program, a student takes his first three years at McPherson College and completes at least 94 hours of credit including the courses listed below. Wise choices of electives must be made in order that the distribution requirements listed elsewhere in this bulletin may be met. Provided satisfactory work is done, the student will be eligible to transfer to Kansas State College, the University of Kansas, or the University of Wichita. Upon completion of 30 additional hours of satisfactory upper level work at one of the institutions, he will receive his bachelor's degree from McPherson College, and after satisfactory completion of the requirements of the school he enters, he will receive the Bachelor of Science degree in the field of engineering. Normally the time for the program is at least five years, but this depends somewhat on the particular field of engineering chosen.

Pre-Engineering Curriculum for the 3-2 Program

FRESHMAN YEAR

First Semester		Second Semester	
	Hours		Hours
Written Communications	3	Written Communications	3
Analytical Geometry and Calculus 51*	3	Analytical Geometry and Calculus 52	3
General Chemistry I	3	Inorganic Chemistry 12	3
Engineering Drawing I	3	Music Appreciation (or approved Humanities Elective)	3
Oral Communications	2	Physical Education	1
Physical Education	1		

SOPHOMORE YEAR

First Semester		Second Semester	
	Hours		Hours
Calculus 101	3	Calculus 102	3
Physics 3	4	Physics 4	3
Literature	3	General Psychology (or approved Social Science Elective)	3
History	3	Economics 4 (or approved Social Science Elective)	3
Economics 1	3	American Literature (or approved Humanities Elective)	3
Physical Education	1	Physical Education	1

JUNIOR YEAR

First Semester		Second Semester	
	Hours		Hours
Theory of Equations (or approved Science Elective)	2	Differential Equations (or approved Science Elective)	3
Bible	3	Bible	3
Biology	4	Approved Science Electives	4
Sociology	3	Approved Electives	3
Approved Electives (major area)	4		

*Students who do not have strong backgrounds in Algebra and Trigonometry will be required to take Algebra and Trigonometry during the freshman college year even though this retards the math sequence one entire academic year and prevents the student from immediately earning mathematics credit that is acceptable as "engineering credit."

All students who plan to study in the field of engineering should follow the curriculum identified above rather closely and should, in addition, counsel with the pre-engineering adviser at McPherson College. The freshman year and the sophomore year courses are arranged to conform to the various engineering curricula of the engineering departments in the universities. Substitutions are often made in the third year of the 3-2 program and counseling at this level is always important, for the junior year program must depend not only upon the specific field of engineering chosen by the student but also upon his major area of concentration at McPherson. The student should consult the curriculum of the specific field of engineering of the specific school to which he later plans to transfer.

Law Most law schools now require four years of college training for admission. The general program of the pre-law student should be planned with this in mind. Students should choose an emphasis in economics and strong support from courses in history. The student should counsel with the head of the department of economics or history.

Library: Education for students planning to become librarians should be as well rounded and as extensive as possible. Four years of college, followed by at least one or two years of professional study at an accredited library school, is the surest foundation for library work. In the general college work, the student should plan his course so as to acquire a good background in history, in American, English, and foreign literatures, and a working knowledge of a leading foreign language. Many library schools require at least two years of a foreign language for entrance. Study in the social sciences, psychology and education, and the physical sciences is important. An English major with strong supporting courses in the social sciences is good preliminary training for librarianship. If the student prefers, he may major in one of the social sciences with strong supporting courses in English.

Pre-Medical or Pre-Dental: The following outline of a four-year program should be given careful attention by the pre-medical or pre-dental student.

FRESHMAN YEAR

First Semester	Hours	Second Semester	Hours
General Biology 1	4	Physiology and Anatomy 11	4
General Chemistry 1	5	Inorganic Chemistry 12	5
Written Communications	3	Written Communications	3
Oral Communications	2	Art or Music	2
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

First Semester	Hours	Second Semester	Hours
Comparative Anatomy 81	4	Introductory Organic Chemistry 54	4
Elementary German 1	3	Elementary German 2	3
Sociology	3	History	3
Introductory Quantitative Analysis 55	3	Elementary Economics 1	3
College Algebra 5	3	Trigonometry 4	3

JUNIOR YEAR

First Semester	Hours	Second Semester	Hours
Embryology 109	3	Ecology 116	3
or		or	
Cytology & Histology 162	3	Invertebrate Zoology 105	4
Physics 8	4	Physics 6	4
Second Year German 1	3	Second Year German 4	3
Life and Teachings of Jesus 111	3	Life, Letters, & Theology of Paul 118	3
Literature	3	Social Science Elective	3

SENIOR YEAR

First Semester	Hours	Second Semester	Hours
Genetics 123	4	Invertebrate Zoology 104	4
Art or Music	1	or	
Advanced Organic Preparations	12	Ecology 116	4
Electives	9-10	Electives	11-12

The above program leads to a major in the department of biology. If a major is desired in another department, the appropriate adjustments can be made. Slight modifications in the program may be necessary because of the choice of medical or dental schools to which the student seeks admittance.

The pre-medical student approaching the senior year of the pre-medical program should maintain close contact with the head of the Biology Department in order that he may be informed concerning dates of medical school applications and dates for medical aptitude tests.

Pre-Medical Technology: If a degree is desired before entering training for medical technology, the pre-medical curriculum described above should be followed. If the student prefers a two-year sequence at McPherson College preparing him to enter hospital training for medical technology, he should base his two-year program on the requirements listed by the particular school of medical technology to which he intends to transfer. The two-year program should be organized upon the basis of close counsel with the head of the Biology Department.

Pre-Nursing: The importance of collegiate academic training for nurses is becoming increasingly evident. It is now required of most nurses who enter instructional or supervisory work. An excellent nursing education awaits the young woman who plans her nursing education program to include work in the general curriculum of the liberal arts college as well as in the accredited school of nursing.

Any student interested in the pre-nursing program at McPherson College should plan her course of study with the help of the adviser of student nurses at McPherson and the director of nursing at the hospital selected. A carefully organized two-year schedule of courses at McPherson College will not only allow the pre-nursing student to transfer to the standard nursing program in a professional school, but will also provide the student with a broad basic education in keeping with the liberal arts tradition.

Pre-Veterinary Medicine: The pre-veterinary curriculum includes a nucleus of basic courses designed to meet the requirements for admittance to a curriculum of Veterinary Medicine. The curriculum may be modified somewhat to meet requirements of the specific Veterinary Medicine school to which the student intends to transfer upon completion of the pre-veterinary curriculum.

FRESHMAN YEAR

First Semester	Hours	Second Semester	Hours
Written Communications	3	Written Communications	3
General Chemistry I	5	Inorganic Chemistry II	3
Algebra 3	3	Trigonometry 6	3
Dairy Husbandry 25	3	Animal Husbandry 25	3
Social Science Elective	2	Social Science Elective	3
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

First Semester	Hours	Second Semester	Hours
General Biology I	4	Microbiology 34	4
Embryology 109	2	Introductory Organic Chemistry 34	4
Physics 5	4	Physics 6	4
Poultry Husbandry 9	3	Oral Communications	2
Humanities Elective	2	Humanities Elective	2
Physical Education	1	Physical Education	1

Although most Veterinary Medicine schools still admit candidates who have successfully completed the pre-veterinary curriculum and can meet the other requirements set forth by the various institutions, it is becoming increasingly more common for students to complete the B.S. degree before applying for admittance to the professional curriculum of Veterinary Medicine. Those interested in Veterinary Medicine as a career are urged to consider the benefits of completing the B.S. degree before entering Veterinary Medicine.

Social Work: Opportunities to do social work are becoming increasingly attractive. A general curriculum with considerable emphasis on sociology courses will give the preliminary training needed for the final two years of concentration in the Sociology Department and for additional specific training in social work after graduation from McPherson College.

Pre-Theological: The American Association of Theological Schools and Bethany Biblical Seminary recommend a broad and comprehensive college education as a basis for theological study. Students majoring in the Department of Philosophy and Religion are advised to take as many courses as possible in other departments, especially the humanities and the social sciences. Students majoring in any of the other departments are advised to take a sufficient number of courses in philosophy and religion to maintain interest and competence in this field.

Christian Education: There is a growing demand for Directors of Christian Education in churches and for workers in related areas. The curriculum for this program, which emphasizes religion and liberal arts, also includes courses in recreation, arts and crafts, music, education, and psychology. The program is designed for placement of the graduate in local churches or for pre-theological education leading to seminary graduate study.

Evening School . . .

McPherson College presents an on-campus evening school program to its public. This program has proved to be of benefit not only to local people, but to a constituency in a rather large area surrounding McPherson.

A limited number of regular course offerings carrying full college residence credit are presented on Wednesday evenings during the two semesters of the regular academic year. The courses presented normally parallel the offerings available in the day college and are taught by fully qualified McPherson College faculty members who teach regularly in the day college. The use of the evening school program has made it possible for many adults to complete their college education by undertaking limited evening school programs at the same time that they carry on their regular daytime employment activities.

Summer School . . .

McPherson College presents a daytime summer program to its public during the months of June, July, and a part of August each summer. The course offerings in the summer session are, for the most part, regular college courses carrying residence credit taught by regular McPherson College instructors. Most courses meet in air-conditioned facilities on campus; the campus has proved to be a pleasant place for summer educational activities.

Many adults in the area take advantage of the summer session to accelerate their progress toward the baccalaureate degree as do a number of regular students who enroll in the summer session between the spring and fall semesters in order to complete their college programs in less than four years.



Areas and Courses of Study

The courses of instruction are numbered according to the following system.

(a) Courses numbered 1-99 inclusive are designed for freshmen and sophomores.

(b) Courses open to juniors and seniors are numbered 100-200 inclusive.

(c) Hyphenated numbers indicate continuous courses.

The following departments of study should be considered as conveniences of organization rather than marking off compartments of education. In harmony with the purpose and aims of the college, it is the objective of any mechanical arrangement of course study or curriculum to effect an integration rather than segmentation of the training of the student.

Humanities Area . . .

Art

- 1. Art Appreciation** 2 hours
 An introduction to major forms of art; an investigation of their significance; and analysis of their organization; a development of appreciation of art. A suggested prerequisite to all art courses. Fall (10:30 M.W.).
- 2-3. General Drawing and Painting** 1-2 hours per semester
 A course including studies in still life from observation. Introduction to composition, perspective, color theory, and various methods of modeling volumes. The year (1:15-3:00 M.W.).
- 4-5. Second Year Drawing and Painting** 1-2 hours per semester
 A course providing additional experience in drawing and painting; included are figure sketchings, still life painting, and outdoor painting in oils and water color. The year (1:15-3:00 M.W.).
- 8-9. History of Art** 2 hours per semester
 A course devoting the first semester to a study of art from cave paintings through the art of the Middle Ages; a second semester study of art from the Renaissance period to modern time. The year (11:25 W.F.).
- 25. Art Education** 3 hours
 A study of materials, methods, and techniques used in elementary art education with emphasis upon the child's needs and development. Fall (8:40 M.W.F.).
- 32. Introduction to Sculpture** 2 hours
 The fundamental study of sculpture and bas-relief using wood, plaster, sculp-metal, and clay. Fall (1:15-3:00 T.Th.).
- 31-32. Introduction to Ceramics** 2 hours per semester
 An introductory applied study of the making, decorating, and firing of pottery and other clay forms. The year (1:15-3:00 T.Th.).
- 57. Introduction to Oil Painting** 2 hours
 The fundamental study of oil painting. Spring (1:15-3:00 M.W.).
- 151. Advanced Ceramics** 1-2 hours
 Continued work at the wheel, glaze and kiln theory, introducing mosaic work. Prerequisite: Art 51 and 52. Spring (1:15-3:00 T.Th.).
- 152. Advanced Sculpture** 2 hours
 Continued work with ceramic sculpture, sculp-metal, and wood carving. Prerequisite: Art 32. By appointment.
- 157. Advanced Painting** 1-2 hours
 Continued study of oil painting. By appointment.
- 199. Special Art Projects** 1-2 hours
 Advanced work in specialized areas of art. Prerequisite: consent of instructor. By appointment.

English

Requirements for a major: a minimum of twenty-four semester hours in composition and literature, including courses 21, 22, 102, 104, 106 or 112, 117 or 118, 142. Courses 1, 2, 7, 16 or 133 will not be counted as meeting requirements for a major.

Related courses required to support a major: a minimum of fifteen semester hours in Speech, Foreign Languages, or Journalism, with at least six hours in Speech.

COMPOSITION

1-2. Written Communications

3 hours per semester

The fundamentals of composition and their practical application in classroom experiences. The year (numerous sections)

7. English for Foreign Students

2 hours

The fundamentals of written communications for the foreign students. By appointment.

102. Creative Writing

3 hours

Advanced work in composition, giving opportunity for the study and writing of principal literary forms with stress on forms in which the student has a particular interest. Spring (10:30 T,Th,F.), alternate years, offered 1962-63.

104. English Grammar

2 hours

A systematic study of grammar, including an explanation of current usages and idioms. Spring (10:30 M,W.), alternate years, offered 1961-62.

106. English Review

No Credit

A course in the fundamentals of English usage, designed to remedy deficiencies in English of juniors and seniors. Fall (12:20 W,F.)

LITERATURE

16. Children's Literature

3 hours

Traditional and modern literature for children from kindergarten to high school. Spring (7:45 T,W,F.)

21-22. Introduction to Literature

3 hours per semester

An introductory course designed to develop a sense of values and appreciation for the best in literature through the study of representative writers of the western civilization. Not open to freshmen. The year (1:15 M,W,F.)

108. The Romantic Movement

3 hours

The prose and poetry of the English romanticists, including Wordsworth, Coleridge, Byron, Shelley and Keats. Spring (11:25 M,T,Th.), alternate years, offered 1962-63.

112. Renaissance Literature

3 hours

A study of the literature of the Renaissance, beginning with the writings of Boccaccio and continuing through the writings of Milton. Spring (11:25 M,T,Th.), alternate years, offered 1961-62.

117-118. American Literature **3 hours per semester**

The works of the chief American writers (including analyses of the ideas which have exerted the greatest influence on American life from colonial times to the present. Spring '9-35 M.W.Th.); 117 offered 1961-62, 118 offered 1962-63.

122. The Short Story **3 hours**

The techniques of the short story from the reading of representative types. Spring '1-15 M.W.F.; alternate years. offered 1962-63.

123. The Development of the Drama **3 hours**

The development of the drama from its origin to the twentieth century. Fall '9-35 M.W.Th.)

133. Language Arts Methods
(see Education and Psychology)**142. Shakespeare** **3 hours**

The life and times of Shakespeare with a study of selected plays. Fall '2-10 M.W.F.)

146. Contemporary Literature **2 hours**

Recent literature in England and America. Fall '16-30 T.Th.F.)

200. Independent Study in English **1-4 hours**

(see regulations governing independent study)

SPEECH AND DRAMA**11. Argumentation and Debate** **2 hours**

The principles of argumentation with practice in application by written briefs and oral argumentation. Fall '1-15 T.Th.; alternate years. offered 1962-63.

20. Practical Debate **2 hours**

Participation by undergraduates in intercollegiate debate. By appointment.

31. Oral Communications **2 hours**

The study and application of good speech habits, with opportunity to gain skill through guided practice. Fall and Spring (numerous sections).

33. Advanced Speech **2 hours**

A continuation of Oral Communications with more emphasis on personal improvement and effective preparation for a variety of speaking situations. Fall '11-25 W.F.; Spring '18-40 T.Th., '40-30 M.W.)

51. Play Production for Teachers **3 hours**

The methods of play production, with emphasis on stage direction, technical skills, and business management. Fall '11-25 M.T.Th.)

109. Oral Interpretation **2 hours**

The study and application of the principles of speech in the interpretation of drama and literature. Prerequisite: Speech 31. Fall '10-30 M.W.)

- 120. Advanced Debate** **2 hours**
 Participation by upperclassmen in intercollegiate debate. By appointment.
- 141. Speech Defects** **3 hours**
 A study of speech defects and the ways in which teachers or parents may help speech-handicapped children. Two recitations with laboratory by appointment. Spring (11:15 T-Th), alternate years, offered 1961-62.
- 151. Advanced Play Production** **3 hours**
 Special problems in play production with each student receiving directing experience in both proscenium and arena staging. Prerequisite: Speech 51. Spring (11:25 W-F), laboratory by appointment.

JOURNALISM

- 1-2. Reporting Practice** **1 hour per semester**
 Practical experience in gathering and writing campus news by reporting for the school paper each week. By appointment.
- 4. Reporting** **3 hours**
 Fundamental principles of gathering and writing news, practice in reporting on the campus. Spring (10:30 T-Th-F), alternate years, offered 1961-62.
- 6. Editing** **2 hours**
 Copyediting, headline writing, proofreading, and make-up. Spring (10:30 M-W), alternate years, offered 1962-63.
- 7-8. Editorial Practice** **1 hour per semester**
 Practical editorial experiences for the managing editor and the editor-in-chief of the college newspaper. By appointment.

Foreign Languages

FRENCH

1-2. Elementary French 3 hours per semester

Phonetics, grammar, and practice in hearing, writing, and speaking French, together with sufficient reading to provide a basic vocabulary and working knowledge of the language. The year (10:30 T,Th,F.).

3-4. Second-Year French 3 hours per semester

Review of grammar and composition. Conversation and reading of French fiction and drama. The year (11:25 M,T,Th.).

121-122. Reading Course 2-3 hours per semester

Reading of selected works in special fields under guidance of instructor, intended to give student facility in rapid reading. Prerequisite: French 3-4. By appointment.

GERMAN

1-2. Elementary German 3 hours per semester

Grammar, conversation, and drill, together with coordinated readings sufficient to give a basic vocabulary and working knowledge of the language. The year (2:10 M,W,F.).

3-4. Second-Year German 3 hours per semester

Grammar review, composition, conversation and reading of pertinent German material. Prerequisite: German 1-2 or equivalent. The year (6:40 M,W,F.).

121-122. Reading Course 2-3 hours per semester

Reading of selected works in special fields under guidance of instructor, intended to give student facility in rapid reading. Prerequisite: German 3-4 or equivalent. By appointment.

LATIN

1-2. Elementary Latin 3 hours per semester

Basic Latin reading vocabulary and forms with emphasis on English derivatives. The year (1:15 M,W,F.).

RUSSIAN

1-2. First Year Russian 3 hours per semester

A study of pronunciation, grammar, conversation, composition, dictation, and reading. Fall and Winter evening school on demand.

SPANISH

1-2. Elementary Spanish 3 hours per semester

Phonetics and grammatical drill, reading of idiomatic texts to provide a basic vocabulary and working knowledge of the language. The year (7:45 T,W,F.).

3-4. Second Year Spanish 3 hours per semester

Simple conversation and translations into Spanish, and reading of Spanish prose. Prerequisite: Spanish 1-2. The year (1:15 M,W,F.).

121-122. Reading Course 2-3 hours per semester

Reading of selected works in a field of special interest to the student, under guidance of instructor. Prerequisite: Spanish 3-4. By appointment.

Music

Requirements for a major in Applied Music for the A.B. degree

- 16 hours Major Applied area, including a graduation recital
- 14 hours Music Theory
- 8 hours Piano (or passing of examination)
(When Piano is the major applied area, a minimum of 4 hours should be taken in another applied area in addition to the 4 hour requirement in Voice.)
- 4 hours Voice
- 6 hours Music History
- 3 hours Conducting
- 2 hours Music Ensemble
- 2 hours Choral Arranging or Instrumentation
- 3 hours Electives in Music

Students majoring in Applied Music will be required to present a public recital before graduation.

Requirements for a major in Music Education for the B.S. degree

- 12 hours Music Theory
- 8 hours Major Applied area, including a joint graduation recital
- 4 hours Voice
- 6 hours Piano (or passing of examination)
(When Piano is the major applied area, a minimum of 4 hours should be taken in another applied area in addition to the 4 hour requirement in Voice.)
- 6 hours Music History
- 3 hours Conducting
- 3 hours Elementary School Music Methods
- 3 hours Secondary School Music Methods
- 7 hours Instrumental Methods
- 2 hours Instrumental Ensemble
- 2 hours Vocal Ensemble
- 2 hours Choral Arranging and/or Instrumentation
- 2 hours Electives in Music

62 hours total (State requirement for teaching in standard schools of Kansas)

Students majoring in Music Education will be required to participate in a joint recital in a field of applied music before graduation.

General Music Requirements: All music majors should be enrolled in some area of applied music study during each semester of college work. Whether or not piano is the major area of study, all music students should acquire a thorough practical knowledge of the piano.

A series of recitals is given during the year, in which music students are required to participate, at the discretion of the teacher. All students in applied music are expected to attend student and faculty recitals.

THEORY OF MUSIC

12-13. Music Theory 3 hours per semester

A course in the materials and elements of music, including scales, intervals, traditional four-part writing, sight singing, ear training, and dictation. The year (9:35 M.W.Th.)

14-15. Music Theory 3 hours per semester

A continuation of Music Theory 13 including transitions, modulations, altered chords, and advanced sight singing, ear training, and harmonic dictation. Prerequisite: Music Theory 13. The year (1:15 M.W.F.).

119. Choral Arranging 1-3 hours per semester

The study and practice of the methods and techniques of arranging and scoring for vocal ensembles, glee club or chorus, with special reference to manuscript preparation and editing. Prerequisite: Music Theory 13. By appointment.

120. Instrumentation 1-3 hours per semester

The study and practice of the methods and techniques of arranging and scoring for instrumental ensembles, band, and orchestra, with emphasis on the problems peculiar to public school music. Prerequisite: Music Theory 15. By appointment.

APPLIED MUSIC

51, 151. Piano 2 hours per semester

One lesson weekly. By appointment.

Students who enter college with a background of previous piano study have the option of appearing for the piano examination in order to determine level of advancement with the view to the possible reduction of the eight-hour piano requirement.

Requirements: The student must understand how to formulate all major and the three forms of the minor scales. He must be able to play all the major scales and the harmonic minors, the tonic, dom. 7th, and dim. 7th chords in root position and inversions, and the tonic, dom. 7th, and dim. 7th arpeggios in root position and inversions. He must perform a memorized solo of his own choosing, and he will be asked to sight read some of the Bach chorales.

52, 152. Voice 2 hours per semester

Prerequisite: One semester of piano or consent of the instructor. One lesson weekly. By appointment.

Important: Students should not enroll for voice unless they have a practical knowledge of the piano keyboard and of the basic rudiments of music, such as key signatures, staff letter names, and note values.

Voice students should have acquired, by the time of graduation, sufficient knowledge of the piano to enable them to play the simpler types of accompaniments.

53, 153. Organ 2 hours per semester

One lesson weekly. By appointment.

Each student who wishes to study organ is asked to (1) file a written request with the organ instructor, and (2) appear before the organ instructor for a piano examination. This examination will consist of three parts:

- The performance of a prepared piano number of the applicant's own choosing.
- The playing of selected scales.
- The sight reading of a hymn, to be selected.

NO STUDENT SHOULD ENROLL FOR ORGAN UNTIL HE HAS SECURED WRITTEN ACCEPTANCE FROM THE MUSIC FACULTY.

Note: Students who are selected for organ study will be permitted to re-enroll for additional work in organ if they have shown regularity in their practice, and if they have demonstrated satisfactory progress and improvement.

54, 154. Brass 2 hours per semester

One lesson weekly. By appointment.

Note: When enrolling, indicate specific instrument.

55, 155. Woodwinds 2 hours per semester

One lesson weekly. By appointment.

Note: When enrolling, indicate specific instrument.

56, 156. Strings 2 hours per semester

One lesson weekly. By appointment.

Note: When enrolling, indicate specific instrument.

57, 157. Percussion 2 hours per semester

One lesson weekly. By appointment.

Note: When enrolling, indicate specific instrument.

58. Beginning Voice Class 2 hours

The study of proper voice production and the fundamentals of individual and ensemble singing presented through progressive vocalises and songs. Prerequisite: A practical knowledge of the piano keyboard and the basic rudiments of music, such as key signatures, staff letter names, note values. Fall and Spring. (1) 15 T Th.

59. Intermediate Voice Class 3 hours

A continuation of the study of the fundamentals of voice training as presented in Beginning Voice Class, attempting to develop for the student a more musical and expressive voice for solo and ensemble performance. Prerequisite: Beginning Voice Class, or one semester of private study in voice. Fall and Spring. (1) 11 M W F.

161. Piano Methods and Materials 2 hours

A review of established piano teaching methods and techniques along with the survey of piano teaching and recital materials of various types. Prerequisite: at least two years of piano study. Offered on demand.

163. Organ Methods and Materials 1-2 hours

A survey of organ teaching methods and techniques, with study devoted to organ literature of various types for church services and recital. Offered on demand.

HISTORY OF MUSIC

78. Music Appreciation 3 hours

A non-technical course designed to establish a foundation in the enjoyment and appreciation of music through recordings and outside reading. Fall (2:10 M W F), Spring (8:40 M W F).

71. Historical Survey of Music**2 hours**

A course designed to give a brief but total look at the most important composers and stylistic tendencies of the various periods in the history of music. Also, a look at important musical forms, the development of a workable vocabulary of musical terms, and a look at important references in the field of music. Spring (10:30 M.W.).

72. Music to 1800**2 hours**

A study of the development of music from pre-Christian times to approximately 1800 A.D. Fall (2:10 T.Th.), offered 1961-62 and 1962-63; thereafter on alternate years.

76. Church Music**2 hours**

An introductory study of the theory and practice of the music of the church, with attention given to the practical problems of church music leadership. Fall (8:40 M.W.). Offered on demand.

171. Music History and Appreciation**3 hours**

A course including materials from both areas identified in the course title. The materials covered are particularly applicable to the work of the elementary teacher. Summer on demand.

173. Music in the 19th Century**2 hours**

A survey of the music of western civilization from the beginning of the 19th century to the early 20th century. Spring (2:10 T.Th.), offered 1961-62 and 1962-63; thereafter on alternate years.

175. Theory and Practice of Church Music**2 hours**

A general survey of the history, theory, and practice of sacred music, with special consideration given to the practical aspects of church music leadership. Fall (8:40 M.W.). Offered on demand.

MUSIC EDUCATION**74. Music in the Elementary School****3 hours**

A course designed for the non-music major who is completing the elementary teacher's certificate. It is the study of music methods and materials for the elementary grades as related to the responsibilities of the classroom teacher. Fall (9:35 M.W.Th.).

78. Instrumental Methods: Brass**2 hours**

An introductory study of the practical playing ranges, fingering techniques, problems of tone production, and key relationships of the various brass instruments of the modern band and orchestra. Spring (8:40 T.Th.), alternate years, offered 1961-62.

81. Instrumental Methods: Woodwinds**2 hours**

An introductory study of the practical playing ranges, fingering techniques, problems of tone production, and key relationships of the various woodwind instruments of the modern band and orchestra. Spring (8:40 T.Th.), alternate years, offered 1962-63.

82. Instrumental Methods: Strings**2 hours**

An introductory study of the violin, viola, cello, and string bass with emphasis on the teaching of beginners in the public school. Fall (8:40 T.Th.), alternate years, offered 1962-63.

- 83. Instrumental Methods: Percussion and Marching Band** 1 hour
An introductory study of the snare drum, bass drum, cymbals, and tympani, and a study of the techniques of the marching band. Fall (8-46 T.Th.), alternate years, offered 1961-62.
- 84. Elementary School Music Methods** 1 hour
(see Education and Psychology)
- 177. Fundamentals of Conducting** 3 hours
The study and practice of the fundamental techniques of conducting as applied to song leading, choral and instrumental directing. Spring (10:30 T.Th.F.), alternate years, offered 1962-63.
- 184. Music Methods and Materials: Elementary School** 1 hour
(see Education and Psychology)
- 185. Music Methods and Materials: Secondary School** 3 hours
(see Education and Psychology)
- 188. Problems in Music** 1-3 hours
Advanced study of special topics in the field of music. Consent of the instructor. By appointment.

ORGANIZATIONS AND ENSEMBLES

Musical Organizations and Ensembles: Ensemble credit may be secured in the following organizations: A Cappella Choir, Choral Club, Band, Orchestra, Quartette, Trio, Piano Ensemble, and Small Instrumental Ensembles. A student may participate in several of these organizations as long as practicable; however, he should not engage in more than four at a time. While credit will be given for each semester of ensemble activity, not more than four hours credit may be applied toward a degree.

All students who wish to participate in any of the above ensemble activities are requested to make formal application on the proper questionnaire during enrollment time in September. ALL NEW applicants should arrange to appear before the ensemble director for a Placement Test. FORMER members should verify in writing their desire to be re-considered for membership in the new organization(s). The questionnaires may be secured from the Registrar's Office or from the Music Department during enrollment week of the fall semester. They should be filled out carefully and turned in to the respective ensemble directors by the end of the first week of school.

Official enrollment in the various musical groups will NOT be entered on the records in September. Rather, at the beginning of the second semester the students will enroll for the specific organization(s) of which they have been, or will be, regular members. At that time, enrollment will be recorded for both, or either, of the two semesters' activities, according to the amount of credit earned and/or to be earned during the two semesters of the school year.

91. A Cappella Choir**1 hour per year**

The A Cappella Choir, as the name indicates, specializes in the singing of unaccompanied choral literature. It is a highly selective choral organization whose members are chosen on the basis of maturity of voice and choral experience. Students must be enrolled in at least 12 hours of school work to be eligible for membership in the A Cappella Choir. Members are expected to maintain their eligibility throughout both semesters of the school year. Fall (3:15 M.W.Th.); Spring (3:15 M.W.Th., 11:25 F.)

92. Band**1 hour per year**

The College Band is open to all qualified instrumentalists upon application to the band director. All applicants are requested to fill out a questionnaire; new applicants should arrange with the director for a tryout during enrollment days. The year (4:30 T.Th.F.)

93. Choral Club **$\frac{1}{2}$ hour per year**

The Choral Club is open to all interested singers of the college community. This choir will be divided occasionally into Men's and Women's Glee Clubs for the performance of varied types of choral literature. The year (3:15 M.W.).

94. Orchestra**1 hour per year**

The College-Civic Orchestra is open to all qualified instrumentalists upon application to the director. All applicants should fill out a questionnaire available during the enrollment days; NEW applicants should arrange with the director for a tryout at the time of enrollment. The year (4:30 M.W., 6:30 p.m. T.)

95. Piano Ensemble **$\frac{1}{2}$ hour per semester**

Piano Ensemble is a valuable course for piano students as it introduces a new repertoire and teaches cooperation in musical effort. Students may also participate in piano ensembles as an extracurricular activity without credit. By appointment.

96. Small Instrumental Ensemble**1 hour per year**

String, brass, or woodwind ensembles organized by tryouts and according to interest and available talent. By appointment.

97. Small Vocal Ensembles**1 hour per year**

The smaller college singing groups are organized on the basis of questionnaires, placement tests, and a series of tryouts. Several groups are selected each year depending upon talent available.

Because of the important deputation work which the small ensembles do, students who are regular members of these groups will be granted credit free of tuition charges upon recommendation of music faculty.

Each group will rehearse one period per day and will meet at least once a week with the instructor. By appointment.

Philosophy and Religion

Requirements for a major: a minimum of twenty-four semester hours, including courses 21, 22, 107 or 108, 111 or 116. Other courses which meet the needs of the student will be chosen by the student in consultation with a professor in the department.

21. Old Testament Life and Literature 3 hours

A study of Old Testament history, social life, religion, and literature. Emphasis is placed on a first-hand study of the Old Testament. Fall (10:30 T-Th-F.; 2:10 M-W-F.)

22. New Testament Life and Literature 3 hours

A study of the founding and development of Christianity as reflected in the books of the New Testament. Emphasis is placed on the setting, authorship, and message of each book. Spring (10:30 T-Th-F.; 2:10 M-W-F.)

23. Psalms and Wisdom Literature 3 hours

A study of Job, Psalms, Proverbs, and Ecclesiastes in the light of their ancient setting and with a view to the present value. Fall (9:35 M-W-Th-F.), alternate years, offered 1962-63.

24. History and Doctrines of the Church of the Brethren 3 hours

A treatment of historical antecedents, a history from 1708 to the present, and beliefs and practices of the Brethren, viewed both from the standpoint of their historical origin and their modern application. Fall (7:45 T-W-F.), alternate years, offered 1962-63.

25. Seminar in Brethren Thought 2 hours

A study in Brethren beliefs, a survey of current Brethren literature, and an encounter with some of the current issues in Brethren thought. Spring (10:30 M-W-F.), alternate years, offered 1961-62.

26. Seminar in Christian Education 2 hours

A course dealing with the total educational task and program of the church, with special reference to the church school. Aims, curriculum, organization, and administration will be studied. Spring (11:25 W-F.), alternate years, offered 1961-62.

33. Seminar for Ministerial Students 1 hour

A course designed to introduce the student to the nature, authority, and work of the ministry. Spring (10:30 M-W-F.), alternate years, offered 1962-63.

75. Christianity and War 2 hours

A study of relevant Biblical passages, a survey of the variety of attitudes through history, and an analysis of contemporary issues. Fall (10:30 M-W-F.), alternate years, offered 1961-62.

106. Prophets of the Old Testament 3 hours

A study of the great prophets of the Hebrew religion in relation to the social and religious problems and the political crises of their times. Careful study in the writings of the prophets. Spring (8:40 M-W-F.).

107. Introduction to Philosophy 3 hours

A course designed to introduce the student to the basic branches, problems, and systems of philosophical thought. Fall (10:30 T.Th.F.).

108. History of Philosophy 3 hours

An approach to philosophical thought by the study of outstanding thinkers from Plato to the present. Prerequisite: Philosophy 107 recommended but not required. Spring (10:30 T.Th.F.), alternate years, offered 1962-63.

111. Life and Teachings of Jesus 3 hours

A careful study of Jesus' life and teachings in their historical setting and as recorded in the Gospels; emphasis on the practical implications of his life and teachings for the present day living. Fall (11:25 M.T.Th.).

116. Life, Letters, and Theology of Paul 3 hours

A study of the life and thought of Paul, using his Biblical epistles as the primary source. Spring (11:25 M.T.Th.).

126. Church History 3 hours

A survey of Christian history with the major emphasis on the origin and growth of the major traditions of the Christian faith, such as Greek Orthodoxy, the rise of the papacy, and monasticism. Spring (9:35 M.W.Th.), alternate years, offered 1962-63.

131. Ethics 3 hours

A study of moral conduct, its historical and scientific backgrounds, its philosophical and religious bases, and its practical applications. Spring (9:35 M.W.Th.), alternate years, offered 1961-62.

132. Christianity and Communism 2 hours

A comparison of the philosophies of history and of basic thought by primary source readings of Marx, Engels, and leading Christian thinkers. Fall (10:30 M.W.), alternate years, offered 1962-63.

141. World Religions 2 hours

A critical appreciation of the great living religions of mankind. Fall (9:35 M.W.Th.), alternate years, offered 1961-62.

151. Christian Beliefs 3 hours

A consideration of the basic doctrines of the Christian faith in the light of major trends in modern Christian thought. The relation of religion to philosophy and science will also be treated. Fall (7:45 T.W.F.), alternate years, offered 1961-62.

152. Advanced Seminar for Ministerial Students 1 hour

A course designed for more specialized consideration of some of the practical tasks of the minister. Prerequisite: course 52. Spring (7:45 M.), alternate years, offered 1961-62.

190. Problems in Philosophy or Religion 1-3 hours

Advanced study of special topics in philosophy or religion. Prerequisite: consent of instructor. By appointment.

Humanities—General and Unclassified

165. World Tours

1-3 hours

Supervised participation in organized tours of any geographic area of the world for college credit. Detailed arrangements must be made with the dean of the college and the Curriculum Committee before the tour is begun. By appointment.

Natural Sciences Area . . .

Biology

Requirements for a major: a minimum of twenty-four semester hours including either courses 1, 52, 61, 105, 116, and 183; or courses 1, 32, 111, 112, 116, and 183.

Related supporting courses required: Chemistry 1, either Chemistry 54 or 111, and Physics 3 and 6.

Note: Biology 1 is a prerequisite for all other courses in the Biology Department.

1. General Biology 1 hour

An introduction to the major fields of study of which modern biology is composed. Strong emphasis is placed upon the principles which lead to an understanding of the world of life. Three recitations and two hours laboratory. Fall (8:40 M.W.F.; 10:30 T.Th.F.).

2. Human Biology 4 hours

An introductory study of human anatomy, physiology, reproduction, growth, development, and heredity as well as consideration of human races and basic human ecology. Human physiology receives special emphasis. This course is not open to students who have taken or plan to take Biology 52. Three recitations and two hours laboratory. Spring (9:15 M.W.Th.).

32. Introductory Botany 5 hours

An introduction to the structure, physiology, development, and reproduction in the more familiar seed plants. A study of representatives from each division of the plant kingdom with emphasis on their development, distribution, and phylogeny. Three recitations and six hours laboratory. Spring (7:45 M.; 8:40 T.Th.).

34. Microbiology 4 hours

A general study of bacteria, yeasts, molds, viruses, and other microorganisms, including consideration of their structure, metabolism, classification, identification, and importance to man. Three recitations and three hours laboratory. Prerequisite: Chemistry 1 or consent of instructor. Fall (7:45 M.; 8:40 T.Th.).

52. Physiology and Anatomy 4 hours

A study of the physiology of the human body, including a consideration of human anatomy to the extent necessary for the understanding of human physiology. This course is not open to students who have taken Biology 2. Three recitations and three hours laboratory. Prerequisite: Chemistry 1 or consent of instructor. Spring (7:45 T.W.F.).

61. Comparative Anatomy 5 hours

A comparative anatomical study of representative vertebrates. The course largely involves a discussion of the homologies and analogies of the vertebrate systems with appropriate laboratory exercises. Three recitations and six hours laboratory. Fall (7:45 T.W.F.).

105. Invertebrate Zoology**4 hours**

A comparative study of the invertebrate phyla, including their anatomy, physiology, ecology, and phylogeny. Three recitations and three hours laboratory. Spring (10:30 T-Th-F.), alternate years, offered 1962-63.

109. Embryology**3 hours**

A study of the development of vertebrate animals with major emphasis on human development. Prerequisite: Biology 61 or consent of instructor. Fall (7:45 M., 8:40 T-Th.), alternate years, offered 1961-62.

111. Plant Physiology**4 hours**

The physiological processes of plants. Principles of absorption, conduction, transpiration, mineral nutrition, photosynthesis, respiration, growth and reproduction. Prerequisites: Introductory Botany and Chemistry 1 or consent of instructor. Three recitations and three hours laboratory. Fall (11:25 M-T-Th.), alternate years, offered 1961-62.

112. Plant Morphology**4 hours**

The morphology, anatomy, reproduction, and phylogenetic relationships of the various plant groups. Internal and external factors influencing development will be considered. Prerequisite: Plant Physiology or consent of instructor. Three recitations and three hours laboratory. Spring (9:35 M-W-Th.), alternate years, offered 1961-62.

114. Plant Pathology**3 hours**

Principles underlying the nature and control of parasitic and environmental plant diseases. Emphasis on plant diseases of the Midwest. Prerequisite: Introductory Botany, Microbiology, or consent of instructor. Two recitations and three hours laboratory. Spring (10:30 M-W), alternate years, offered 1962-63.

116. Ecology**3 hours**

A study of the relationships between organisms and their environments including both physical and biotic environments. Spring (10:30 T-Th-F.), alternate years, offered 1961-62.

122. Cytology and Histology**3 hours**

A study of plant and animal cells and animal tissues with respect to component structures and their functions. The laboratory work includes both the study of tissues and practice in the preparation of microscope slides. Two recitations and three hours laboratory. Fall (10:30 M-W), alternate years, offered 1962-63.

123. Genetics**4 hours**

A study of the principles of heredity and the nature and action of genes. Three recitations and three hours laboratory. Fall (9:35 M-W-Th.), alternate years, offered 1962-63.

130. Problems in Biology**1-3 hours**

Advanced study of special topics in biology. Prerequisite: consent of instructor. By appointment.

Chemistry

Requirements for a major: a minimum of twenty-four semester hours including courses 1, 12, 106, 111 or 112, and others that seem desirable for the student's future plans.

Related supporting courses required: Mathematics 3-6; Physics 5-6; additional approved work in mathematics.

1. General College Chemistry 5 hours

A study of the fundamental principles of chemistry, the properties of matter and what changes it may undergo. Some historical background is presented along with an emphasis on the importance of chemistry to our modern world. Lecture three hours, laboratory six hours. Fall (10:30 T,Th,F., laboratory 1:15-3:55 M,W. or 1:15-3:55 T,Th.).

12. Inorganic Chemistry and Qualitative Analysis 5 hours

A study of the chemistry of the metals and non-metals, laboratory work in qualitative analysis. Lecture three hours, laboratory six hours. Prerequisite: Chemistry 1. Spring (10:30 T,Th,F.).

54. Introductory Organic Chemistry 4 hours

A study of the fundamentals of organic chemistry, including both aliphatic and aromatic compounds, proteins, fats, and carbohydrates. Nutritional, medicinal, and biochemical aspects of organic chemistry are emphasized. Lecture three hours, laboratory two hours. Prerequisite: Chemistry 1. Spring (8:40 M,W,F.), alternate years, offered 1961-62.

55. Introductory Quantitative Analysis 3 hours

A study of the principles and practice of gravimetric and volumetric analysis. Lecture one hour, laboratory six hours. Prerequisite: Chemistry 12. Fall (11:25 F.), alternate years, offered 1961-62.

106. Quantitative Analysis 5 hours

A study of the principles and practice in volumetric, electrometric, colorimetric, and other methods of analysis. Lecture two hours, laboratory nine hours. Prerequisite: Chemistry 55. Spring (11:25 W,F.), alternate years, offered 1961-62.

111. Organic Chemistry 4 hours

A study of the more important groups of organic compounds, both aliphatic and aromatic. Lecture three hours, laboratory three hours. Prerequisite: Chemistry 12. Fall (11:25 M,T,Th.), alternate years, offered 1962-63.

112. Advanced Organic Chemistry 4 hours

Advanced study of the principles of organic chemistry with emphasis on the mechanisms of reactions and organic synthesis. Lecture three hours, laboratory three hours. Prerequisite: Chemistry 111 (or 54 and consent of instructor). Spring (11:25 M,T,Th.), alternate years, offered 1963-64.

132. Advanced Organic Preparations 1-2 hours

Laboratory work in the preparation of organic compounds. Laboratory three or six hours. Prerequisite: Chemistry 111 (or 54 and consent of the instructor). By appointment.

133. Advanced Inorganic Preparations 1-2 hours

Laboratory work in the preparation of inorganic compounds. Laboratory three or six hours. Prerequisite: Chemistry 12 and consent of the instructor. By appointment.

132. Advanced Inorganic Chemistry 3 hours

A study of inorganic chemistry with special attention given to the relation of atomic and molecular structures to the physical and chemical properties of the elements; chemistry of complex ions and the less common elements. Lecture three hours. Prerequisite: Chemistry 12 and 54 or 55. Spring 1933 M.W.Th., alternate years, offered 1962-63.

161-162. Physical Chemistry 4 hours per semester

A study of the physical chemical properties of matter including thermodynamics, kinetic theory, electrochemistry, and other areas of physical chemistry. Lecture three hours, laboratory three hours. Prerequisites: thirteen hours of Chemistry and Mathematics 51-52. The year 17-43 M., 3-40 T.Th., alternate years, offered 1961-62.

177V-178V. Modern Chemistry 3 hours per semester

A study of the fundamental principles of chemistry and a study of recent developments—emphasizing structures of chemical species and the relationship of these structures to physical and chemical properties. The second semester continues with more particular attention given to the chemistry of the families of elements. Offered as available via Continental Classroom.

189. Problems in Chemistry 1-3 hours

Advanced study of special topics in chemistry or undergraduate research. Prerequisite: senior standing and the consent of the instructor. By appointment.

Mathematics

Requirements for a major: a minimum of twenty-four semester hours of approved courses in mathematics.

Related supporting courses required: Chemistry 1 and Physics 3-6.

- 1. Principles of Arithmetic**

Principles of arithmetical calculation; common and decimal fractions; ratio and proportion; percentage; elements of finance. (A course for elementary teachers.) Fall (2:10 M.W.F.).

3 hours
- 5. College Algebra**

Fundamental operations; linear and quadratic equations; exponents and radicals; progressions; determinants; binominal theorems; and probability. Students with less than 1½ years of high school algebra will arrange one additional class period per week. Fall (9:35 M.W.Th.), (11:25 M.T.Th.).

3 hours
- 6. Trigonometry**

Trigonometric functions and equations; solution of triangles; logarithms. Spring (9:35 M.W.Th.), (11:25 M.T.Th.).

3 hours
- 32. College Geometry**

A continuation of plane geometry in which are treated such topics as the geometry of the triangle and the circle; harmonic division and inversions. Spring (11:25 W.F.), alternate years, offered 1961-62.

2 hours
- 51-52. Analytical Geometry and Calculus**

Functions; equations and graphs; differentiation and integration of algebraic equations; maximum and minimum values; time rates; areas and volumes; equations of conic sections; differentiation of trigonometric, exponential and logarithmic functions. The year (7:45 M., 8:40 T.Th.).

3 hours per semester
- 101-102. Calculus**

Standard forms of integration; polar coordinates; surfaces and curves in space; partial differentiation; multiple integrals; infinite series. The year (10:30 T.Th.F.).

3 hours per semester
- 108. Mathematics of Finance**

Solving problems dealing with annuities; life insurance; value of bonds; amortization of debts and depreciation of property by the use of geometric progressions and logarithms. Fall (8:40 M.W.F.), alternate years, offered 1961-62.

3 hours
- 120. Differential Equations**

Methods of solving ordinary differential equations with applications to problems of science. Prerequisite: Mathematics 102. Spring (8:40 M.W.F.), alternate years, offered 1961-62.

3 hours
- 177. Modern Algebra**

Vectors and lines; inner products; the complex plane; planes and equations; and matrix algebra. Prerequisite: Mathematics 5. Spring (8:40 M.W.F.), alternate years, offered 1962-63.

3 hours

178. Probability and Statistics**2 hours**

Elements of the mathematical theory of probability with applications to statistical inference. Prerequisite: Mathematics 5. Spring (11) 25 W.F.L. alternate years, offered 1962-63.

177V. Modern Algebra**3 hours**

Vectors and lines, inner products, the complex plane, planes and equations, and matrix algebra. Prerequisite: 2 years of high school mathematics (algebra and geometry). Offered as available via Continental Classroom.

171V. The Teaching of Modern Algebra**2 hours**

Methods of presenting modern algebra. Must be taken in conjunction with 177V Modern Algebra. Offered as available via Continental Classroom.

178V. Probability and Statistics**3 hours**

Elements of the mathematical theory of probability, probability distributions with a finite number of elements, and applications of theory to statistical inference. Prerequisites: 3 years of high school mathematics (algebra and geometry) or 177V Modern Algebra. Offered as available via Continental Classroom.

172V. The Teaching of Probability and Statistics**2 hours**

Methods of presenting probability and statistics. Must be taken in conjunction with 178V Probability and Statistics. Offered as available via Continental Classroom.

186. Theory of Equations**3 hours**

Complex numbers, solutions of cubics and biquadratics, theorems on rational roots, Sturm's and Budan's theorems, Horner's and Newton's methods, systems of equations, matrices and determinants. Prerequisite: Mathematics 5. Fall (8-40 M.W.F.) alternate years, offered 1962-63.

189. Problems in Mathematics**5-6 hours**

Prerequisite: twelve hours of mathematics and consent of the instructor. By appointment.

Physics

Requirements for a major: a minimum of twenty-four semester hours including courses 5, 6, 112, and 113.

Related supporting courses required: Mathematics 51, 52, 101 and 102, and Chemistry 1. Suggested course: Chemistry 161.

5-6. General Physics 4 hours per semester

A study of mechanics, heat, sound, electricity and magnetism, light, and atomic physics. Three recitations and one two-hour laboratory. Prerequisite: Mathematics 5-6. The year (8:40 M.W.F.).

107. Electronics 4 hours

A study of the characteristics of vacuum tubes and transistors and their applications in amplifiers, detectors, regulators, oscillators, and measuring devices. Three recitations and one two-hour laboratory. Prerequisite: Physics 5-6. Spring (11:25 M.T.Th.), alternate years, offered 1962-63.

112. Advanced Optics 3 hours

A study of lens systems, optical apparatus, and physical optics with the main emphasis on the principles of physical optics. Prerequisites: Physics 5-6 and Mathematics 51-52. Fall (7:45 T.W.F.), alternate years, offered 1961-62.

113. Advanced Electricity 4 hours

A study of direct and alternating current networks, potential, electric and magnetic fields, and applications. Three recitations and one two-hour laboratory. Prerequisites: Physics 5-6 and Mathematics 51-52. Spring (7:45 T.W.F.), alternate years, offered 1961-62.

116. Mechanics 3 hours

Applications of principles of mechanics and vector analysis to problems involving force, friction, velocity, acceleration, momentum, and energy. Prerequisites: Mathematics 101 and Physics 5-6. Spring (7:45 T.W.F.), alternate years, offered 1962-63.

123. Atomic Theory 3 hours

Theory of electrons, atoms, isotopes, ionization, X-rays, crystal structure, radioactivity, and formation of spectra. Prerequisites: Physics 5-6 and Mathematics 51-52. Fall (7:45 T.W.F.), alternate years, offered 1962-63.

132. Astronomy 3 hours

A study of constellations, planets, meteors, and comets; size, composition, and motion of the sun and stars. Fall (11:25 M.T.Th.), alternate years, offered 1962-63.

183. Problems in Physics 1-3 hours

Prerequisite: twelve hours of physics and consent of instructor. By appointment.

Sciences—General and Unclassified

1. Physical Science

4 hours

A study of man's physical environment through the subject matter of astronomy, geology, physics, and chemistry; applications of the scientific method and the impact of science on man's culture. This course fulfills part of the science requirement for students not majoring in biology, physics, chemistry, or mathematics. Lecture three hours, laboratory two hours. Fall (8:40 M.W.F.); Spring (10:30 T.Th.F.).

7. Elementary School Science

3 hours

A study of the relation of astronomy, chemistry, geology, physics, and biological sciences to everyday living, stressing the instruction of this subject matter to elementary school students. Laboratory and demonstrations are included. Fall (7:45 T.W.F.), alternate years, offered 1962-63.

104. Geology

3 hours

A study of the materials and surface features of the earth, the agencies that produce and change them, and their application to man and his uses of them. A study of earth history as shown by fossils and rock structure. Lecture three hours, laboratory one hour. Fall (11:25 M.T.Th.), alternate years, offered 1961-62.

140. Natural Science Workshop

1 hour

A workshop devoting special attention to the usefulness of an understanding of science in teaching in the elementary school. Summer only.

150. Science and Life

3 hours

A study of the scientific method used in science, the philosophy of science and the effects of some of the latest findings in science on our society. Lecture three hours with laboratory. Evening school, offered on demand.

152. Astronomy

2 hours

(see Physics)

Social Sciences Area . . .

Economics and Business Administration

Requirements for a major: a minimum of twenty-four semester hours including courses 1, 4, 5, 6, and a minimum of twelve hours in upper level courses, including three of the following: 109, 110, 125, 126, 130, 151.

Majors in this department who are preparing for a business career will normally qualify for the B.S. degree. However, should a student wish to qualify for the A.B. degree, he may do so by meeting those general requirements specified by the college for the A.B. degree and by earning a minimum of 12 semester hours in the following courses: 109, 125, 126, 130, 140, 151, 199.

Students who plan to teach high school commercial subjects are advised to prepare to teach both shorthand and typewriting by taking courses in the secretarial sciences in addition to courses in economics and business administration.

1. Elementary Economics 3 hours

The first semester of the general economics course, dealing with these major topics: the resources, income, and production organization of the United States; money, banking, and the volume of economic activity; pricing and the allocation of resources. Open to freshmen only on permission of the instructor. Fall (10:30 T,Th,F), 11-25 M,T,Th). Spring (10:30 T,Th,F).

4. Elementary Economics 3 hours

The second semester of general economics, dealing with these major topics: distribution of income; international economics; public finance, public policy, and economic growth. Spring (11-25 M,T,Th).

5-6. Elementary Accounting 3 hours

Fundamental principles of accounting, including the theory of debit and credit as applied to the keeping of double-entry books, preparation of simple financial statements, closing the ledger, partnership and corporation accounting, and the use of columnar books and controlling accounts. The year (8:40 M,W,F), 1-15 M,W,F).

30. Principles of Geography 3 hours

A study of the relation of man to his environment: physical factors and their effects on man's activities; regional influences. A course which will satisfy the geography requirements for an elementary teacher's certificate. Spring (8:40 M,W,F).

105. Intermediate Accounting**2 hours**

A study of accounting principles and procedures essential to the preparation of adequate financial statements with emphasis on the corporate forms. Special attention is given to capital contributions, treasury stock, adjustments, and statements of surplus, income determination, cash, receivables, and inventory. Prerequisite: Elementary Accounting. Fall (8:40 T-Th), alternate years, offered 1961-62.

106. Intermediate Accounting**2 hours**

A continuation of course 105. Deals mainly with consignments, installments, investments, fixed assets, depreciation and depletion, intangible assets, current and fixed liabilities, funds and reserves, and analysis of financial statements. Prerequisite: course 105. Spring (8:40 T-Th), alternate years, offered 1961-62.

109. International Economics**3 hours**

An analysis of the problems of the modern international economy; a study of the mechanisms of international trade and finance; an evaluation of international commercial and financial policies and institutions, with special reference to those of the United States and the United Nations. Prerequisite: one course in economics or consent of instructor. Fall (9:35 M-W-Th), alternate years, offered 1962-63.

110. Business Law**3 hours**

A survey of the background of law. Contracts, sales agency, bailments, negotiable instruments, partnerships, and corporations are among the subjects discussed. Emphasis on the relation of law to ordinary business transactions. Spring (7:45 T-W-F), alternate years, offered 1961-62.

116. Income Tax Accounting**2 hours**

A study of the federal income tax laws regarding taxable income, deductions, exemptions, calculation of tax, and filing returns. The course covers federal income tax for the individual, the partnership, and the small corporation. Some attention is given to the Kansas individual income tax. Prerequisite: 3 hours of accounting or consent of instructor. Spring (1:15 T-Th), alternate years, offered 1962-63.

121. Marketing**2 hours**

A study of the functions of marketing and the agencies performing these functions: the elimination of middlemen by cooperative marketing and direct marketing, the retail system, problems of price setting, price maintenance, unfair competition, and the relation of government to marketing. Fall (11:25 W-F), alternate years, offered 1961-62.

123. Business Organization and Finance**3 hours**

A study of forms of business organizations, financial policies and methods of raising capital, forms of securities, working capital, depreciation, sinking funds and reserves, surplus and dividend policies, combinations, reconstruction and reorganization. Fall (7:45 T-W-F), alternate years, offered 1962-63.

126. Intermediate Economic Theory**2 hours**

A study of the important theories of recent and contemporary economists and of the relation of economic activities to the general social welfare. Prerequisite: Elementary Economics or the consent of the instructor. Spring (10:30 M-W), alternate years, offered 1962-63.

130. Public Finance**3 hours**

A study of public expenditures, public revenues, public debt, and the tax problem with special emphasis placed upon the shifting and incidence of taxation, and upon the present tax system in the United States. Spring (7:45 T.W.F.), alternate years, offered 1962-63.

140. Labor Economics**2 hours**

An analysis of the growth of a working class, trade unionism, and collective bargaining and public policy; the economics of income and security with emphasis on recent developments in the field of social security. Spring (11:25 W.F.), alternate years, offered 1961-62.

151. Money and Banking**3 hours**

A study of the nature and functions of money, its relation to prices, the monetary system of the U.S., functions of banks, bank statements, bank credit, the American banking system, bank organization, foreign exchange, and foreign banking systems. Fall (7:45 T.W.F.), alternate years, offered 1961-62.

199. Independent Study in Economics**1-3 hours**

See regulations governing independent study. By appointment.

SECRETARIAL SCIENCE

Note: The secretarial courses cannot be used to meet the twenty-four hour requirement for the economics and business administration major, but can be used as elective credit.

11. Elementary Typewriting**3 hours**

A course for students who have had no previous training in typewriting. The purpose is to obtain a working knowledge of the keyboard and to develop considerable speed. Fall (8:40 T.Th., 10:30 W.).

12. Advanced Typewriting**3 hours**

A course designed for students who wish to prepare for clerical or secretarial positions or for teaching typing. Prerequisite: course 11 or its equivalent. Spring (8:40 T.Th., 10:30 W.).

13. Elementary Shorthand**3 hours**

A beginning course in Gregg shorthand in functional method. The aim is to develop an understanding of the basic principles of the shorthand system and to apply these principles to an extensive vocabulary. Transcription and dictation is required with a minimum speed of 60 words a minute. Fall (9:35 M.W.Th.).

14. Advanced Shorthand**3 hours**

A course providing work in rapid dictation and transcription. A speed of from 110 to 120 words a minute is required. Prerequisite: course 13 or its equivalent. Spring (9:35 M.W.Th.).

Note: On sufficient demand, courses may be offered as outlined in catalog of 1964.

History

Requirements for a major: a minimum of twenty-four semester hours including courses 4, 7 or 8, 111, and 122.

1-2. Western Civilization

3 hours

A survey of the major developments in western culture in its world setting from earliest times to the present. This course is designed to meet the general education requirement of students not specializing in the department. The year (10:30 T,Th,F.); Fall (1:15 M,W,F.).

3. Europe, 1500-1870

3 hours

A study of the Renaissance, the Protestant revolt, the rise of modern nation states, and the significant developments that followed, including the great revolutions of the 18th century. Fall (7:45 T,W,F.); alternate years, offered 1962-63.

4. Twentieth Century Europe

3 hours

A study of the background of the World War (1914-1918), the peace settlement, the contravening factors during the next two decades, the Second World War, and the problems facing the United Nations. Spring (1:15 M,W,F.) in 1961-62; 7:45 T,W,F. in 1962-63.

7-8. United States History

3 hours per semester

First semester 1492-1865; second semester, since 1865. A survey of the political and social growth of the American people from colonial times to the present. The year (9:35 M,W,Th.).

91. Field Session in Mexican History

3 hours

A reading and laboratory course in Mexican history in which the major part is spent in travel and residence in Mexico. Prerequisite: instructor's permission. Offered in summer of 1963. limited enrollment.

111. The Ancient Mediterranean World

3 hours

A study of the political, social, and cultural development of the ancient Greeks and Romans and their contributions to western civilization. Spring (7:45 T,W,F.); alternate years, offered 1961-62.

112. Latin American History

3 hours

From the colonization by the Spanish and the Portuguese to the present. The institutions of the old regime, the wars of independence, developments and problems of the new nations, and their relations with the United States are emphasized. Fall (7:25 p.m. W.); alternate years, offered 1962-63.

119. The Far East

3 hours

A survey of the emergence of modern Japan, the Chinese struggle for national sovereignty, and contemporary political conflicts, with emphasis on the cultural contrasts between the Occident and the Orient. Fall (8:40 M,W,F.); alternate years, offered 1961-62.

122. Trans-Mississippi West

3 hours

A regional study with emphasis on climatic and geologic backgrounds, exploration, settlement, and present day economic and political significance. Spring (8:40 M,W,F.); alternate years, offered 1962-63.

185. American Diplomatic History **3 hours**

A study of the diplomatic relations of the United States from the Revolutionary period to the present. Fall (11:25 M.T.Th.), alternate years offered 1962-63.

189-190. Problems in History **1-3 hours per semester**

Advanced study of special topics in history. Prerequisite: consent of the instructor. By appointment.

191. Field Session in Mexican History **3 hours**

A reading and laboratory course in Mexican history which is largely constituted of travel and residence in Mexico. The reading and study requirement in this course is more extensive than that in course 91. Prerequisite: instructor's permission. Offered in summer of 1963, limited enrollment.

199. Historiography **3 hours**

A study in the techniques of historical research and historical criticism. Fall (7:25 p.m. W.), alternate years, offered 1961-62.

POLITICAL SCIENCE**1. United States Government** **3 hours**

A critical study of the organization and operation of the federal, state, and local governments. Fall, 1961-62 (11:25 M.T.Th.); Spring, 1962-63 (1:15 M.W.F.).

101-102. Studies in American Government **1-3 hours per semester**

A course designed for those who desire advanced work in special areas of American Government. Prerequisite: instructor's permission. By appointment.

120. American Politics **2-3 hours**

Students may enroll in two or three hours. Two hours will be spent in the normal classroom approach studying political parties, pressure groups, propaganda, and campaigns and elections. An additional hour will be offered in which the class will spend approximately one week in Washington, D.C., in observation and interviews dealing with governmental and political issues. Spring (11:25 M.T.Th.), alternate years, offered 1961-62.

150. International Relations **3 hours**

A study of the twentieth century nationalism, imperialism, militarism, international law, international organization and cooperation, and contemporary political problems. Prerequisite: six hours of college history. Spring (11:25 M.T.Th.), alternate years, offered 1962-63.

152. Comparative Government **3 hours**

An analysis of the important governments of the contemporary period. Spring (8:40 M.W.F.), alternate years, offered 1961-62.

Sociology

Requirements for a major: a minimum of twenty-four semester hours including courses 25, 30, 75, 107, 114, and 115.

25. Principles of Sociology

3 hours

A basic course in sociology in which the fundamentals of sociology are considered. It is designed for majors in the department, as well as for others who want to understand the structure and function of society. Fall (1-15 M.W.F.).

30. Rural Sociology

3 hours

A study of rural life, its composition, characteristics, problems, trends, organizations, and religious, educational, and special interests. Rural America as a way of life is stressed along with an analysis of possible solutions to its present problems. Spring (1-15 M.W.F.).

40. Social Problems

3 hours

A course considering important present day social problems as well as a working philosophy for dealing with these problems. Spring (7-45 T.W.F.).

75. Marriage and the Family

3 hours

An examination of the factors leading to successful marriage: dating, courtship, engagement, marital adjustment, child training, the handling of money, retirement, and old age; the unmarried, the broken home. It emphasizes the intermingling of spiritual, psychological, physiological, and intellectual factors in marriage. Fall (9-35 M.W.Th.).

106. Growth of Culture

3 hours

A course seeking to help people understand why they are as they are and why they believe as they do. It seeks to help the student understand cultural accumulations and directions. Religion, history, sociology, philosophy, and other areas are correlated. Spring (9-35 M.W.Th.).

107. Cultural Anthropology

3 hours

A course seeking to develop an understanding and appreciation of the debt to man's progenitors from the standpoint of beliefs, economics, art, music, language, customs, mores, inventions, and culture patterns; an attempt to understand and evaluate the present in the light of the past and to show the continuity of cultural development and accumulation. Fall (7-45 T.W.F.), alternate years, offered 1962-63.

108. Social Life and the Church

3 hours

A course considering the expression of the church through the centuries in social life. Spring (2-10 M.W.F.), alternate years, offered 1961-62.

110. Social Psychology

3 hours

A course attempting to explain group behavior in terms of psychological laws and principles, with special emphasis placed on the effects of environment and personality development. Spring (2-10 M.W.F.), alternate years, offered 1962-63.

112. Criminology**3 hours**

A study of the causes and characteristics of the criminal and his crime, with more emphasis on the individual, the criminal, and his relation to his fellows, than on institutions. An attempt to analyze and understand the legal and penological aspects of crime, crime prevention, and criminal treatment; a consideration of the cultural background of crime. Spring (10:30 T.Th.F.), alternate years, offered 1961-62.

114. Urban Sociology**3 hours**

A course tracing the growing importance of cities from early times through the several world civilizations that developed to our great cities of today. Modern scientific studies are considered. Recent trends and progress in housing, zoning, city planning, looking forward to a better city of tomorrow, are analyzed. Spring (10:30 T.Th.F.), alternate years, offered 1962-63.

115. History of Social Thought**3 hours**

A course seeking to cover the social thinking of man from primitive times until the present. Great thinkers and systems of thought from the time of recorded history until the present time are considered. Something of the rise of modern sociological thought and writings in the more definite field of sociology are considered. Fall (7:45 T.W.F.), alternate years, offered 1961-62.

117. Social Work**3 hours**

A course offering a general survey of the field of social work, including a study of methods and of applications. It is designed for educational, religious, pre-professional, and social work students; any student may find it helpful. Fall (10:30 T.Th.F.), alternate years, offered 1962-63.

161. Social Development and the Community**2 hours**

A consideration of the place of personal development, recognition of social science in social living and social processes. Several basic institutions such as the family, recreational groups, the school, and the church are included. Fall (10:30 T.Th.F.), alternate years, offered 1961-62.

162. Workshop in Race Relations**1 hour**

A workshop which explores the backgrounds out of which race has developed and examines the distribution and changing trends of the major racial and ethnic groups throughout the world. More particularly, it studies the bases of racial misunderstanding and prejudice, and the effect of these things upon the individual and upon our society. It seeks to discover possible clues and directions for bettering our American and world situation in relation to ethnic groupings and race. Offered in summer on demand.

165. Summer Social Service Projects**1-2 hours**

An arrangement making possible the earning of social service credit by students entering Brethren Volunteer Service or similar organized programs involving supervised work in mental hospital units, work camps, and like projects. Arrangements must be made with the department and the Curriculum Committee before the student joins the project. The student is expected to take part in the unit's educational program, do pertinent reading, and make a written evaluation of his experience within six weeks after the fall term begins. Summer session or by special arrangement.

189. Problems in Sociology**1-3 hours**

Advanced study of special topics in sociology. Prerequisite: consent of the instructor. By appointment.

199. Independent Study in Sociology**1-3 hours**

See regulations governing independent study. By appointment.

Social Sciences — General and Unclassified

165. World Tours**1-3 hours**

Supervised participation in organized tours of any geographic area of the world for college credit. Detailed arrangements must be made with the dean of the college and the Curriculum Committee before the tour is begun. By appointment.

175. Social Science for Children**3 hours**

(Including Conservation of Resources)

A specialized course directed toward the teaching of social science in the elementary school. By appointment and on demand.

Practical Arts and Applied Science Area...

Education and Psychology

It is the primary function of this department to prepare students to be competent elementary or secondary school teachers. It is furthermore the purpose of this department and of the college to encourage promising and capable students to enter the teacher education program. The faculty attempts continually to evaluate the course offerings so that they may represent the highest professional standards.

Prospective teachers will receive guidance in developing successful teaching competencies and well-rounded personalities. The college believes that the following important competencies, characteristics, and abilities are among those which should be cultivated: knowledge of subject matter; mental alertness; creativity; good usage of spoken and written English; knowledge of and interest in world and community affairs; ability to think clearly, logically, and critically; loyalty to truth in all areas; breadth of view and toleration of viewpoint of others; social competence and responsibility; a Christian philosophy of life; poise, self-control and self-discipline; progressive achievement toward a desirable personality; the qualities of leadership; neatness; dependability; physical vitality and health; emotional maturity; cooperative attitude toward school and community; resourcefulness and initiative; genuine concern for the progress and welfare of the pupil.

The college believes that the development of the teacher involves classroom instruction; participation in campus, community, and church life; observation in school-related activities both on and off campus, as well as participation in the public school for an extended period of student teaching. The culmination of this comes at the time at which the student devotes an entire semester to these professional activities.

Continuing study and research is maintained by faculty and students in order to keep abreast of changing educational patterns and teaching techniques and to discover and experiment with new ones. Such studies and research will offer experiences in understanding child growth and development, the supervision of children, the development of the curriculum, and varied approaches to methods, techniques, and problems of teaching.

Requirements for a major: a minimum of twenty-four semester hours. Twelve hours must be taken in the department at McPherson. General Psychology is required of all majors.

1. General Psychology

1 hours

An introduction to the study of human behavior. Emphasis is on the application of the science of psychology to problems of everyday life. Fall (9:35 M.W.Th.); Spring (9:35 M.W.Th. and 1:15 M.W.F.)

54. Mental Hygiene

3 hours

A study of personal and social problems of adjustment as related to mental health. Fall (1:15 M.W.F.)

Area Distribution: Professional education courses for meeting teacher certification requirements in the state of Kansas involves these areas: (A) courses directed toward understanding the pupil, (B) courses directed toward understanding the function of the school as a social institution, and (C) courses directed toward obtaining competence in instruction. The courses listed under each area are those which will meet the requirement in that area.

Area A: Six hours from this area are required for either elementary or secondary teachers.

107. Guidance 3 hours

A study of techniques for understanding the individual, the basic principles of guidance and their application to the individual, and the organization of the guidance program. Particular emphasis will be given to the role of the teacher in the guidance program. Summer and on demand.

116. Educational Psychology 3 hours

A study of the origins, growth, and maturity of human behavior as it relates to the teacher's job in the classroom. Emphasizes types, theories, and methods of learning; also includes related problems of the classroom teacher. Summer and on demand.

117. Understanding the Child (Elementary Block) 6 hours

A course designed to give the teacher an understanding of some of the principles of educational psychology so that he can give guidance to the child in helping him to meet the problems that he encounters in his relationship with the school. Also includes units on providing favorable conditions for the acquiring, retention, and effective use of knowledge. (This course brings together three hours of Educational Psychology and three hours of Principles of Guidance.) Fall (7:45-9:35 M.T.W.F., 8:40-10:25 Th. plus laboratory experiences; class meets the first six and last three weeks of the semester.)

118. Psychology of Adolescence 3 hours

A study of the transition experience that bridges the gap between childhood and adulthood; the physiological experience of attaining maturity; and the sociological experience of adjustment of teenagers. Spring (7:45 T.W.F.)

119. Understanding the Pupil (Secondary Block) 6 hours

An integrated course presenting tools and techniques used by guidance workers in secondary schools along with a basic understanding of the psychological principles that govern human behavior in relation to the learning process. (This course brings together three hours of Educational Psychology and three hours of Principles of Guidance.) Fall (7:45-9:35 M.T.W.F., 8:40-10:25 Th. plus laboratory experiences; class meets the first six and last three weeks of the semester.)

142. Child Growth, Development, and Psychology 3 hours

A study of the physical, mental, social, and personal growth and development of the child from birth to adolescence. Also a view of the principles involved in understanding and guiding young children. Spring (1-15 M.W.F.) alternate years, offered 1962-63.

144. Nontypical Child 3 hours

A basis for the understanding and adjustment of educational problems of elementary school children who show exceptional characteristics such as mental retardation, giftedness, subject disabilities, speech disorder, blindness, deafness, behavior problems, and delinquency. Spring (1:15 M.W.F.), alternate years, offered 1961-62.

- Area B: (Six hours from this area are required for either elementary or secondary teachers.)

149. Principles of Elementary Education 3 hours

An orientation to fundamental issues, ideas, and concepts regarding the education of children of elementary school age and a study of the objectives, subject matter, and organization of elementary education for teaching. Spring (11:25 M.T.Th.).

155. Introduction to Education 3 hours

An orientation to teaching with stress upon planning for a career in teaching as a profession with the consideration of the teacher's role in his profession and in society, the historical background and the present organization of the American public school system, and the legal aspects of such problems as certificates, contracts, retirement, school aid, and taxation. Fall (1:15 M.W.F.).

155. History of Education 3 hours

The essential educational philosophies and their development with special emphasis on the development of the American education system. Summer and on demand.

145. Secondary School 3 hours

A study of aims and objectives and the organization of American secondary education with emphasis on principles of secondary education including the teacher's responsibility in the modern secondary school program. Fall (11:25 M.T.W.Th.F.) plus laboratory experiences; class meets the first six and last three weeks of the semester.)

Area C: (Eight hours from this area are required for either elementary or secondary teachers. The State of Kansas requires that five of these hours be in Supervised Student Teaching.)

73. Methods in Teaching Recreational Sports 3 hours

This course includes practice for development of skills, a study of rules, teaching methods, and the officiating in recreational sports. Fall (10:30 T.Th.F.).

84. Elementary School Music Methods 3 hours

A study of methods and materials for the teaching and supervising of music in the elementary school. (Course designed for music majors.) Fall (10:30 T.Th.F.), alternate years, offered 1961-62.

111. Instruction Methods: The Teaching of Reading 1 hour

A study of the methods of teaching reading; a course which is part of the elementary block for seniors. Fall (10:30 M.T.W.Th.F.) class meets the first six and last three weeks of the semester.)

130. History and Methods of Industrial Arts 3 hours

A course dealing with the history, philosophy, teaching methods, and trends in industrial arts education. Spring (8:40 M.W.F.; alternate years, offered 1962-63)

132. Language Arts Methods 3 hours

A study of aims, methods, and materials for teaching the English language arts in the secondary school with optional units on the teaching of foreign languages. Spring (4:00-5:40 M. and 4:00-4:50 W.), alternate years, offered 1961-62.

134. Methods of Teaching the Social Sciences 3 hours

A course designed to meet the needs of those who will be teaching social studies in elementary or secondary schools. Emphasis is placed on the materials, sources, and techniques that are most useful and stimulating in a classroom situation. Summer on demand.

153. Supervised Student Teaching in the Elementary School 1-8 hours

Seniors who are qualifying for degree elementary certificates will participate in the elementary educational block program which allows them to do observing and teaching under an elementary school supervisor in the city of McPherson and towns of the surrounding area all day for a period of nine weeks. Prerequisite: six hours in the Education Department. Fall (M.T.W.Th.F. by appointment, weekly conference 7:45 M.; weeks seven through fifteen.)

155. Supervised Student Teaching in the Secondary School 1-8 hours

Students observe and do actual teaching on a full-day basis for nine weeks under the guidance of supervising teachers in the secondary schools of the city of McPherson and towns of the surrounding area. Prerequisite: six hours in the Education Department. Fall (M.T.W.Th.F. by appointment, weekly conference 7:45 M.; weeks seven through fifteen.)

158. Methods of Teaching Individual and Team Sports 3 hours

A study in the teaching techniques and analysis of the fundamental skills of the individual and team sports. Prerequisites: any three courses of those numbered 3, 4, 5, 6, or 8 from Health, Physical Education, and Recreation (or permission of instructor) Spring (9:35 M.W.Th.), alternate years, offered 1962-63.

171V. The Teaching of Modern Algebra 2 hours

(see Mathematics)

172V. The Teaching of Probability and Statistics 2 hours

(see Mathematics)

184. Music Methods and Materials: Elementary School 3 hours

A study of the theory and practice of public school music and a survey of methods and materials of music teaching for the elementary level. (Course designed for music majors.) Fall (10:30 T.Th.F.), alternate years, offered 1961-62.

185. Music Methods and Materials: Secondary School 1 hour

A study of the theory and practice of public school music as related to methods and materials for music teaching and directing on the junior and senior high levels. (Course designed for music majors.) Spring (10:30 T,Th,F), alternate years, offered 1961-62.

187. Seminar in Methodology of Teaching 2 hours

A seminar dealing with methods of teaching at the secondary level. Spring (8:40 T,Th.).

Area D: Special courses for both elementary and secondary teachers. (Elementary teachers are required to elect four hours beyond those specified under A, B, and C above; these four hours may be chosen from appropriate courses in areas A, B, C, and D.)

156. Audio-Visual Education 3 hours

A study of the purpose and effectiveness of audio-visual methods; the types of audio-visual materials and equipment suitable for use in elementary and secondary schools; and the best means of procuring, preparing, and maintaining audio-visual materials. Summer and on demand.

175. Reading Workshop 1 hour

A workshop presenting a study of remedial reading problems and techniques. Attention is given to recent trends in the teaching of reading as well as to the evaluation of new materials.

176. Driver Education Instructor's Course 5 hours

A course designed to train secondary teachers in the organization and administration of driver training in the high schools. Emphasis is placed on classroom activities, practice driving instruction and techniques, and driver testing devices and other training aids. Actual instruction experience in an automobile is provided. (This course does not apply toward an education major.) Summer.

189. Problems in Education or Psychology 1-3 hours

Advanced study of special topics in education or psychology. Prerequisite: consent of instructor. By appointment.

Note: On sufficient demand, other courses may be offered as authorized in catalog 1955-57.

Teacher Education: Students wishing to qualify for any teaching certificate must be approved by the Teacher Education Committee. Approval will be granted only upon the presentation of satisfactory evidence of teaching aptitude, physical fitness, scholarship, personality, and character. Consideration will not be given the applicant if his grade point average is below 1.0 or if he has failed the English Proficiency Examination.

The Teacher Education Committee, which receives all applications to the Teacher Education Program, is composed of the Dean of the College, the Registrar, two members of the Education Department, and three members appointed annually by the President of the College to represent other departments. Application forms for the program can be obtained from the Head of the Department of Education at the time of registration. The completed forms should be returned to the department head.

An excellent learning situation is provided for student teaching both in the schools of the city of McPherson and towns of the surrounding area.

Student teaching is done in a "block" of time. It begins the seventh week of the semester and continues through the fifteenth week. Those students who are assigned schools outside McPherson are urged to move into the community and take part in its activities the same as local teachers. Students not only observe methods in teaching and the demonstration and use of modern equipment and teaching materials, but also assume responsibility in the area of extracurricular activities.

Requirements and Suggestions for Teachers:

General Requirements for Teachers: Only those who have been trained in elementary education shall be permitted to teach in the elementary school; certificates issued to secondary teachers are valid only for teaching at the secondary level.

McPherson College will declare itself to be the "parent institution" for a teacher making application for (or a request for renewal of) a Kansas Teachers' certificate only after the completion of eight semester hours of work at McPherson College. (At least six of the last nine hours appearing on the transcript must have been earned at McPherson College.)

McPherson College will not normally declare itself to be the parent institution for the graduate of another college. An exception may be made in the case of the graduate of another institution who has accumulated 12 hours of credit at McPherson after graduation from the other institution.

Requirements for either the Degree Elementary Certificate or the Degree Secondary Certificate:

General Education—50 semester hours minimum credit distributed as follows:

Oral and Written Communications	6 hours
Physical and biological science (must include both and may include mathematics)	10 hours
Social sciences	10 hours
Literature or language	6 hours
Physical and mental health, human behavior, general religion, philosophy	2 hours
Electives in music, art, or any of the above areas, ten semester hours with a total of (Provided: for the purposes of distributing electives mathematics may be considered as a separate area)	16 hours
TOTAL	50 hours

Professional Education—both elementary and secondary teachers must have a minimum of:

Courses selected from Area A	6 hours
Courses selected from Area B	6 hours
Courses selected from Area C	8 hours

Elementary Teachers Must Have the Following in Addition to the General Education and Professional Education Requirements:

Semester hours of electives in professional education courses	4 hours
Specialized Content Courses	Minimum 15 hours

These nonprofessional courses are specifically designed to supply content appropriate for elementary school instruction. Selection may be made from the following for which course description may be found in the appropriate departmental listings:

- Art Education
- Children's Literature
- Music in the Elementary School
- Principles of Arithmetic
- Elementary School Science
- Principles of Geography
- Natural Science Workshop
- Social Science for Children
- Playground Activities
- School Health
- Recreation Leadership
- Arts and Crafts

Suggested Program for Degree Elementary Teachers

FRESHMAN YEAR

First Semester	Hours	Second Semester	Hours
Written Communications	3	Written Communications	3
Bible or Language	3	U.S. Government or History	3
Playground Activities	3	General Psychology	3
Physical Science	4	Children's Literature	3
Oral Communications	2	Bible	2
		Physical Education	1
Total	15	Total	16

SOPHOMORE YEAR

First Semester	Hours	Second Semester	Hours
Introduction to Literature	3	Literature or Language	3
Sociology	3	Science	3
Biology	4	Geography	3
Principles of Arithmetic and/or		Elementary Economics	3
Elementary School Music or		School Health, Art, Music, etc.	3
Electives	6		
Total	16	Total	16

JUNIOR YEAR

First Semester	Hours	Second Semester	Hours
*Introduction to Education	3	*Principles of Elementary	3
Elementary School Science and/or		Education	3
Elementary School Art	4	*Child Growth and Development	3
Social Science	3	or Nontypical Child	3
Electives	5	Electives	10
Total	17	Total	17

SENIOR YEAR

First Semester	Hours	Second Semester	Hours
*Supervised Student Teaching	6	Nontypical Child or Child Growth	3
*Understanding the Child	6	and Development	3
*Instruction Methods	3	Electives	12
Total	15	Total	14

*Starred courses indicate the required courses.

Suggested Curriculum in Teacher Education for Secondary School Teachers

Students planning to teach at the secondary level will normally major in an academic area which offers a teaching field. The sequence of courses as outlined by that department for those planning to teach should be followed. In addition, the student will want to follow the suggested sequence of professional education courses listed below:

JUNIOR YEAR

First Semester	Second Semester
Introduction to Education	Two hours from Area "C" during the junior or senior years

SENIOR YEAR

First Semester
Secondary Block

Suggested Field Combinations for High School Teachers: Most high school teachers, with the possible exception of those who teach in the larger high schools, are required to teach in two or more subject matter fields. While the student in training cannot be told precisely what combinations would be most desirable in every case, certain logical relationships between subject matter fields do exist and the student is advised to give these combinations very careful consideration. Both logic and current practice suggest the following combinations:

English with language, fine arts, or social studies.

Foreign language with English, social studies, or fine arts.

Mathematics with science, social studies, commerce, physical education, or industrial arts.

Science with mathematics, industrial arts, or physical education.

Home economics with English, social studies, or science.

Industrial arts with physical education, mathematics, science, or social studies.

Commerce with social studies, English, mathematics, or physical education.

Music with English, or social studies.

Art with English, music, or home economics.

Physical education with social studies, science, or industrial arts.

Certification in States Other Than Kansas: Requirements for certification to teach in the public schools, either elementary or secondary, may vary slightly from state to state. In view of this fact, any student who plans to qualify to teach in another state than Kansas should, when he first enrolls, consult the head of the department in order to make sure that he is enrolled in a program that meets the particular requirements of the state involved.

Health, Physical Education, and Recreation

The department provides a program in which the physical as well as the mental, moral, and social development of the individual is emphasized. It is the goal of the department to assist the student in acquiring knowledge and development of skills and interest in activities which will be enjoyed in college and adult years.

Note: A maximum of four hours of courses 1 through 10, 13, 14, 16, 18, 23, 24, 26, and 63, will be counted toward the college graduation requirement of 124 hours.

7. Beginning Swimming 1 hour

A study and practice of beginning swimming skills as outlined by the American Red Cross: the human stroke, back stroke, and rhythmic breathing. Fall or Spring (10:30 M.W.; 8:40 T.Th.; 11:25 W.F.)

8. Golf and Bowling 1 hour

The study and practice of the rules and fundamentals of golf and bowling. Not open to those enrolling in Tennis and Bowling 10. Fall (11:25 W.F.); alternate years, offered 1962-63.

9. Intermediate Swimming 1 hour

A study and practice of intermediate swimming skills as outlined by the American Red Cross: the crawl, side stroke, elementary back stroke, and breast stroke. Fall or Spring (10:30 M.W.; 8:40 T.Th.; 11:25 W.F.).

31. Playground Activities 3 hours

A study of directed play and physical education activities for the elementary school. Fall (1:15 M.W.F.)

32. School Health Education 3 hours

A study of the health problems of the individual school child and his environment and curriculum, for elementary teachers. Spring (1:15 M.W.F.); alternate years, offered 1962-63.

41. Personal and Community Hygiene 2 hours

A foundation course in personal care of the body and the laws of healthful living. Not open to those having had Family Health or to prospective Home Economics majors. Fall (8:40 T.Th.); alternate years, offered 1961-62.

52. Physiology and Anatomy

(see Biology)

61. First Aid 2 hours

A study of diagnosis and treatment of all emergency physical needs of the human body, as presented by the American Red Cross. Certification by the American Red Cross for both Standard and Advanced First Aid is given. Prerequisite to course 162. Fall (8:40 T.Th.)

63. Senior Life Saving 1 hour

A study and practice of the skills in life saving as outlined by the American Red Cross. Fall or Spring (1:15-3:00 T.)

- 170. Folk Dance** 2 hours
The study and practice of folk dancing of many countries of the world. Fall (9:25 M.W.Th.), alternate years, offered 1961-62.
- 171. Creative (Modern) Dance** 2 hours
A study and practice of the skills in the art form concerned with the communication of idea or feeling through the medium of movement. Spring (9:35 M.W.Th.), alternate years, offered 1961-62.
- 172. Kinesiology** 3 hours
A study of the science of human motion based on anatomic, physiologic, and mechanical principles. Spring (11:15 M.W.F.), alternate years, offered 1961-62.
- 173. First Aid Instructor's Training** 1 hour
A prescribed course under the direction of the American Red Cross to permit students to give instruction in the Standard and Advanced Courses in First Aid. Prerequisite: course 61. By appointment.
- 174. Recreation Leadership** 3 hours
A study and practice of the skills required in leading recreation. Fall (11:25 M.T.Th.).
- 175. Camp Leadership** 3 hours
A study and practice of the skills used in camping. Though the course is designed primarily for leaders in church camping, most activities are applicable to all types of camping. Spring (11:25 M.T.Th.).
- 181. Organization and Administration of the Physical Education Program** 3 hours
The complete study of organization and administration of a public school physical education program. Fall (7:45 T.W.F.), alternate years, offered 1962-63.
- 182. Tests and Measurements in Health and Physical Education** 3 hours
A study of the methods used in finding the abilities and ratings of students in health and physical education. Tests and measurements of physical fitness, social efficiency, and motor and physical skills. Spring (10:30 T.Th.F.), alternate years, offered 1962-63.
- 189. Problems in Health, Physical Education, and Recreation** 1-3 hours
Study of special topics and problems in the department. Prerequisite: consent of instructor. By appointment.

COURSES FOR MEN

- 1-2. General Physical Education** 1 hour per semester
A study and practice of skills in varied sports. Activity in exercises, calisthenics, and conditioning are included. The year (8:40 M.W.).
- 11. Baseball** 2 hours
The fundamentals of playing and the methods of coaching baseball. Fall (10:30 M.W.), alternate years, offered 1961-62.
- 12. Track and Field Events** 2 hours
The fundamentals and skills of track and field events and the methods of coaching them. Spring (11:25 W.F.), alternate years, offered 1961-62.
- 13. 23. Field Football** 1 hour
One season of continuous participation in varsity football. Prerequisite: one season participation in football prior to enrollment. Fall (3:00-6:00 M-F., September-November).
- 14. 24. Court Basketball** 1 hour
One season of continuous participation in varsity basketball. Prerequisite: one season participation in basketball prior to enrollment. Spring (3:00-6:00 M-F., December-February).
- 16. 26. Practical Track and Field** 1 hour
One season of continuous participation in varsity track and field. Prerequisite: one season participation in track and field prior to enrollment. Spring (3:00-6:00 M-F., March-May).
- 18. Gymnastics and Tumbling** 1 hour
Instruction in tumbling and apparatus work including the horizontal bar, parallel bars, trampoline, horse, and rope. Prerequisite: course 1, or consent of instructor. Spring (8:40 T.Th.), alternate years, offered 1962-63.
- 72. Methods in Teaching Recreational Sports** 2 hours
(see Education and Psychology) Fall (10:30 T.Th.F.).
- 111. Football** 2 hours
The fundamentals of playing and the methods of coaching football. Fall (11:25 W.F.), alternate years, offered 1962-63.
- 112. Basketball** 2 hours
The fundamentals of playing and the methods of coaching basketball. Spring (11:25 W.F.), alternate years, offered 1962-63.
- 113. Mechanics and Techniques of Officiating** 2 hours
An advanced course in which actual officiating of regular games in football and basketball will be required. Fall (11:25 W.F.), alternate years, offered 1961-62.
- 160. Care and Treatment of Athletic Injuries** 2 hours
Emphasis on prevention, care, and cure of injuries incurred in the major athletic sports. Prerequisite: First Aid 81. Spring (8:40 T.Th.), alternate years, offered 1961-62.

COURSES FOR WOMEN

3. **Field Sports and Tumbling** 1 hour

A study of soccer, hockey, or speedball, depending upon the interest of those enrolled. The fundamentals of tumbling stunts, both on the mats and on the trampoline, will be practiced for the development of coordination. Fall (10:30 M.W.), alternate years, offered 1961-62.

4. **Basketball and Softball** 1 hour

The study and practice of the rules and fundamentals of basketball and softball. Spring (10:30 M.W.), alternate years, offered 1961-62.

5. **Archery and Badminton** 1 hour

The study and practice of the rules and fundamentals of archery and badminton. Fall (10:30 M.W.), alternate years, offered 1962-63.

6. **Volleyball and Tennis** 1 hour

The study and practice of the rules and fundamentals of volleyball and tennis. Not open to those enrolling in Tennis and Bowling 10. Spring (10:30 M.W.), alternate years, offered 1962-63.

10. **Tennis and Bowling** 1 hour

The study and practice of the rules and fundamentals of tennis and bowling. Not open to those enrolling in Golf and Bowling 3, or Volleyball and Tennis 6. Fall (11-25 T-Th, during the first 9 weeks, 11-25 W-F during the second 9 weeks), alternate years, offered 1962-63.

158. **Methods of Teaching Individual and Team Sports** 3 hours

(see Education and Psychology) Prerequisites: any three of courses 3, 4, 5, 6, or 8 (or permission of instructor). Spring (9:35 M-W-Th), alternate years, offered 1962-63.

Home Economics

A major in home economics may qualify a student for teaching home economics at the secondary level, for work as a home economics agent, or for work in various phases of business related to home economics. The professional major will qualify one for graduate study in either foods or textiles. Homemaking as a profession is given emphasis.

Requirements for a professional major: a minimum of twenty-nine semester hours, including courses 3, 4, 15, 16, 31, 32, 114, 116, 125, 126, 142. Supporting courses required: Chemistry 1, 54; Sociology 75; Biology 2; Psychology 118 or the psychology of the integrated course in the educational block.

Requirements for a homemaking major: a minimum of thirty-eight semester hours, including courses 3, 4, 15, 16, 23, 24 or 124, 31, 32, 114, 116, 117, 125, 126, 142. Supporting courses required: Chemistry 1; Biology 2; Sociology 75; Psychology 118, 142, or the psychology of the integrated course in the educational block.

Suggested courses: Physical Education 62; Industrial Arts 45 or 46, 53; Music 34; Art 7.

3. Design 2 hours

A basic course in which a study is made of the principles of design, harmony, emphasis, proportion, and others. Experiences are provided for the student to become familiar in the use of line, shape, size, texture, and color as applied to daily living. Fall (10:30 M-W).

4. Costume Design 2 hours

Line, color, form, and texture as used in the designing and selecting of clothing related to the requirements of the individual. Prerequisite: Design or permission of instructor. Spring (10:30 M-W).

15-16. Foods and Meal Planning 3 hours per semester

The principles of food cookery, elementary nutrition, and food economics are applied in planning, preparing, and serving meals for the family. One recitation and six hours laboratory. The year (8:40 T.; laboratory 1:15-3:55 T-Th.)

23. The House 2 hours

Emphasis is placed upon selection of floor plans and fundamental equipment of the house, financing the home, and the importance of the house to good family relationships. Fall (1:25 M-T-Th.), alternate years, offered 1962-63.

24, 124. Interior Design 3 hours

Principles of design as applied to the selection and arrangement of home furnishings for expressiveness; the material used; their structure and durability. Prerequisite: Design or permission of instructor. Spring (9:35 M-W-Th., 8:40 Th.), alternate years, offered 1962-63.

31. Textiles 3 hours

A study of the structure and finishes of fibers and yarns, the construction, design, selection, and care of fabrics as they relate to the consumer. Fall (7:45 T.W.F.).

32. Fundamentals of Clothing 3 hours

Selection of clothing for the family; wardrobe planning; budgeting. Commercial patterns and principles of garment construction are given emphasis. One recitation and five hours laboratory. Prerequisite: Textiles or permission of instructor. Spring (7:45 T.W.F., 1:15-3:55 W.).

114. Quantity Cookery 3 hours

Food problems of institutions, including the preparation and serving of food in large quantities, menu planning, and food costs. One recitation and six hours laboratory. Prerequisite: Foods 15 and 16. Spring (8:40 Th. laboratory by appointment), alternate years, offered 1961-62.

116. Family Finance 3 hours

A study of some of the economic problems involved in efficient management of the family's financial resources and a consideration of the problems a consumer must face in purchasing present-day commodities. Spring (10:30 T.Th.F.), alternate years, offered 1962-63.

17, 117. Family Health 3 hours

Factors conducive to family and community health; prenatal care of the child; home nursing procedures; and family procedures in working toward healthy personalities. Not open to those who have had Personal and Community Hygiene. Fall (7:45 M., 8:40 T. Th.), alternate years, offered 1961-62.

125. Applied Dress Design 2 hours

The development of a foundation pattern from which a suitable flat pattern design is constructed for the individual; the construction of the garment. Six hours of laboratory. Prerequisite: Clothing 32 or consent of the instructor. Fall (1:15-3:55 M.W.).

126. Tailoring 2 hours

The techniques of tailoring are taught in the construction of either a suit or coat. Six hours of laboratory. Prerequisite: Clothing 125 or consent of instructor. Spring (by appointment).

142. Nutrition 3 hours

A study of the digestion, metabolism, and nutritive value of foods, the protein, mineral, vitamin, and energy needs of the human body. Prerequisite: Foods or consent of instructor. Spring (8:40 M.W.F.), alternate years, offered 1962-63.

189. Problems in Home Economics 1-3 hours

Advanced study of special topics in home economics. Prerequisite: consent of the instructor. By appointment.

Industrial Arts Education

Requirements for a major: a minimum of twenty-four semester hours, including courses 1 or 3, 51 or 52, 53 or 54, 101, 106, 122, 130, 141, and 151 or 154.

Related supporting courses required: a minimum of fifteen semester hours selected from Physics, Mathematics, Economics, and Sociology and approved by the head of the department.

1. Introductory Engineering Drawing 3 hours

A general introductory course designed for those who contemplate majoring in industrial arts. One hour recitation and four hours laboratory. Fall (10:30 W.).

3. Engineering Drawing 3 hours

A survey course which emphasizes correct drawing practices and principles. Required in engineering courses. One recitation and four hours laboratory. Fall (1:15 T., laboratory 2:10 - 4:50 T.).

12. Machine Drawing 2 hours

Requirement for engineering courses. Prerequisite: Industrial Arts 3 or its equivalent. One recitation and two hours laboratory. Spring (1:15 T., laboratory 2:10-4:50 T.).

43-45. Arts and Crafts 3 hours per semester

A course designed to give a basic understanding of the philosophy involved in leisure time activities and general hobbies for those interested in teaching, summer camp work, and church recreation. Experiences are provided in light metal, wood and wood carving, plastics, weaving, leather, braiding, basketry, and other general crafts. One hour recitation and four hours laboratory. The year (8:40 Th., laboratory 1:15-4:50 Th. or F.).

51-52. Bench Metal 3 hours per semester

A study in working with metal including such operations as drilling, filing, cutting, bending, threading holes, and polishing, as well as experience in foundry and electricity. Sheet metal practice is also a part of this study, as are tool maintenance and safety in the use of tools and equipment. One hour recitation and four hours laboratory. The year (10:30 W., laboratory 1:15-4:50 W. or Th.).

53-54. Woodworking 3 hours per semester

A course placing emphasis on the tool process and learning units involved, as well as on design, construction, and finishing wood; the use, care, and operation of woodworking machines. One hour recitation and four hours laboratory. The year (2:40 T., laboratory 1:15-4:50 M. or W.).

141. Wood and Metal Finishing**3 hours**

A course designed to give training and experience in finishing as well as an understanding of finishing. Two recitations and two hours laboratory. Prerequisite: Industrial Arts 53 and 54. Fall (10:30 T,Th,F), alternate years. offered 1961-62.

145-146. Arts and Crafts**3 hours per semester**

A course designed to give a basic understanding of the philosophy involved in leisure time activities and general hobbies for those interested in teaching, summer camp work, and church recreation. Experiences are provided in light metal, wood and wood carving, plastics, weaving, leather, and other general crafts. One hour recitation and four hours laboratory. The year (8:40 Th., laboratory 1:15-4:50 Th. or F.).

153. Advanced Welding**1 hour**

Laboratory work in acetylene and arc welding plus study of teaching methods, projects, and equipment. Prerequisite: Acetylene Welding and Arc Welding. Two hours laboratory a week required. By appointment.

161. Metal Lathe**1 hour**

A course designed to give practice in the operation of the metal lathe. Two hours laboratory a week required. By appointment.

164. Machine Tool Operation**1 hour**

A course designed to give experience in operation of machine tools. By appointment.

168. Auto Mechanics**3 hours**

An advanced study of auto engines. Work includes machine work in rebuilding auto engines such as valve facing, valve seating, pin fitting, reboring cylinders. Much emphasis is placed on engine tolerances and fitting precision parts. Two recitations and two hours laboratory. Spring (11:25 W, F., laboratory 1:15-4:50 Th. or F.).

189-190. Problems in Industrial Arts**1-3 hours per semester**

An advanced study of special topics in industrial arts. Prerequisite: consent of the instructor. By appointment.

- 57. Arc Welding** 1 hour
A course incorporating theory and practice in the use of the electric welder in making typical welds. Prerequisite to the use of Laboratory welding equipment. One hour of laboratory a week required. Fall (7:45-8:10 M., laboratory 1:15-4:50 M., T., or W.).
- 59. Acetylene Welding** 1 hour
A course incorporating theory and practice in the use of the welding torch in making typical welds. Prerequisite to the use of Laboratory welding equipment. One hour of laboratory required. Fall (8:10-8:35 M., laboratory 1:15-4:50 M., T., or W.).
- 60. Practical Electricity** 1 hours
A study of the fundamental principles of electricity and their application in the construction of simplified circuits, magnets, transformers, heating elements, electric motors, and other electrical devices. Two recitations and two hours laboratory. Prerequisite: a basic understanding of physics and the consent of the instructor. Fall (9:35 W.Th.).
- 65. Farm Mechanics**
(see Agriculture and Rural Life)
- 66. General Mechanics** 2 hours
A general course designed to give the student experience in automobile care and maintenance. Not available to students who have studied Farm Power 66. One hour recitation and four hours laboratory. Spring (10:30 M.).
- 101. Industrial Arts Laboratory Maintenance** 2 hours
A course designed to give experience in maintaining and repairing of hand tools and machines used in the industrial arts laboratory. One hour recitation and two hours laboratory. Fall (9:35 M.), alternate years, offered 1962-63.
- 105. Advanced Woodworking and Design** 2 hours
A special course in advanced woodwork for major students. Advanced woodwork and woodturning are combined with lectures on theory of design, construction, and finishing. One recitation and four hours laboratory. Spring (9:35 M., laboratory 1:15-4:50 T.).
- 122. Architectural Drawing** 2 hours
A course including standard conventional plans and specifications for a modern home; also a brief study of trends in modern architecture. Two recitations and two hours laboratory. Spring (8:40 M.W.F.), alternate years, offered 1961-62.
- 130. History and Methods of Industrial Arts** 2 hours
(see Education and Psychology) Spring (8:40 M.W.F.), alternate years, offered 1962-63.

118. Judging and Selection of Livestock**2 hours**

A study of type and form of beef cattle, swine, and sheep. Prerequisite: Rural Life 22. Four hours of laboratory. Spring (laboratory 1:15-5:00 T.), alternate years, offered 1961-62.

121. Agricultural Marketing**2 hours**

A study of the structure and organization of agricultural markets including principles of agricultural price determination, principles of cooperative marketing, and commodity marketing. Prerequisite: Economics 1. Fall (1:15 M.W.F.), alternate years, offered 1962-63.

123. Principles of Feeding**2 hours**

A study of the digestive system of domestic animals, the nutritive requirements for maintenance, growth, and reproduction, and the balancing of rations for the different classes of livestock. Prerequisite: Chemistry 1 or equivalent. Fall (11:25 M.T.Th.), alternate years, offered 1962-63.

124. Livestock Production**2 hours**

Feeding, breeding, and management practices involved in the production of beef cattle, swine, and sheep. Spring (11:25 M.T.Th.), alternate years, offered 1962-63.

142. Soils**4 hours**

Fundamental principles underlying the formation, fertility, and management of soils including physical, chemical, and biological properties. Prerequisite: Chemistry 2 or equivalent. Three hours recitation and two hours laboratory. Fall (1:15 M.W.F., laboratory 1:15-3:00 T.), alternate years, offered 1961-62.

144. Farm Organization**2 hours**

Application of economic principles to organization and management of the farm; use and analysis of farm records, budgeting, size of operation, choice of enterprises, types of farming, leases, and farm credit. Two hours recitation and two hours laboratory. Spring (1:15 M.W., laboratory 1:15-3:00 F.), alternate years, offered 1962-63.

168. Auto Mechanics

(see Industrial Arts)

180. Seminar**1 hour**

Restricted to seniors in Rural Life. Discussions and special assignments of topics in the field of rural life with emphasis on recent developments as reported in current literature. Spring (7:45 M.)

189-190. Problems in Rural Life**1-3 hours per semester**

Advanced study of specific agricultural topics. Prerequisite: consent of instructor. By appointment.

118. Judging and Selection of Livestock**2 hours**

A study of type and form of beef cattle, swine, and sheep. Prerequisite: Rural Life 22. Four hours of laboratory. Spring (laboratory 1:15-5:00 T.), alternate years, offered 1961-62.

121. Agricultural Marketing**3 hours**

A study of the structure and organization of agricultural markets including principles of agricultural price determination, principles of co-operative marketing, and commodity marketing. Prerequisite: Economics 1. Fall (1:15 M.W.F.), alternate years, offered 1962-63.

123. Principles of Feeding**4 hours**

A study of the digestive system of domestic animals, the nutritive requirements for maintenance, growth, and reproduction, and the balancing of rations for the different classes of livestock. Prerequisite: Chemistry 1 or equivalent. Fall (11:25 M.T.Th.), alternate years, offered 1962-63.

124. Livestock Production**1 hour**

Feeding, breeding, and management practices involved in the production of beef cattle, swine, and sheep. Spring (11:25 M.T.Th.), alternate years, offered 1962-63.

142. Soils**4 hours**

Fundamental principles underlying the formation, fertility, and management of soils including physical, chemical, and biological properties. Prerequisite: Chemistry 2 or equivalent. Three hours recitation and two hours laboratory. Fall (1:15 M.W.F.), laboratory (1:15-3:00 T.), alternate years, offered 1961-62.

144. Farm Organization**1 hour**

Application of economic principles to organization and management of the farm, use and analysis of farm records, budgeting, size of operation, choice of enterprises, types of farming, leases, and farm credit. Two hours recitation and two hours laboratory. Spring (1:15 M.W., laboratory 1:15-3:00 F.), alternate years, offered 1962-63.

168. Auto Mechanics

(see Industrial Arts)

180. Seminar**1 hour**

Restricted to seniors in Rural Life. Discussions and special assignments of topics in the field of rural life with emphasis on recent developments as reported in current literature. Spring (7:45 M.)

189-190. Problems in Rural Life**1-3 hours per semester**

Advanced study of specific agricultural topics. Prerequisite: consent of instructor. By appointment.

Administration, Faculty, Staff, and Trustees

Instructional Faculty and Administration

1960-61*. 1961-62**

DESMOND W. BITTINGER, A.B., A.M., Ph.D.

President of the College. Professor of Sociology (1950, 1940)***

A.B., Elizabethtown College, 1927; A.M., University of Pennsylvania, 1934; Ph.D., University of Pennsylvania, 1940; University of Chicago, 1941-42. Taught: University of Illinois, summer, 1939; Bethany Biblical Seminary, 1949; Elgin Community College, 1948-49. Foreign Travel, 1930, 1940, 1952, 1956, 1958.

WAYNE F. GEISERT, A.B., Ph.D.

Dean of the College. Professor of Economics (1957)

A.B., McPherson College, 1944; Ph.D., Northwestern University, 1951. Taught: Kendall College, 1948-50; Manchester College, 1951-52. Foreign Travel, 1943, 48, summer, 1952.

R. GORDON YODER, B.S.

Business Manager and Treasurer (1953, 1948)

B.S., McPherson College, 1939; College Business Management Workshop, University of Omaha, summers, 1950, 1952.

GEORGE M. ARNOLD, A.B., M.S.

Assistant Professor of Physics and Mathematics (1957)

A.B., Manchester College, 1936; M.S., University of Wisconsin, 1957. Kansas State Teachers College, Emporia, summer, 1958; University of Kansas, summer, 1959; University of Colorado, summer, 1960. Taught: Bethany College, 1957-58. Foreign Travel, 1951.

KENNETH C. BECHTEL, A.B., B.D., M.Th., Ph.D.

Professor of Sociology and Language (1956, 1946)

A.B., Juniata College, 1925; B.D., Presbyterian Theological Seminary, 1931; M.Th., Bethany Biblical Seminary, 1933; Ph.D., University of Chicago, 1937.

MARVIN BLICKENSTAFF, B.M., M.M. **

Assistant Professor of Piano (1961)

B.M., Oberlin Conservatory of Music, 1959; M.M., Indiana University, 1961; Musikschule der Stadt Linz, Austria; Staatliche Hochschule für Musik, Frankfurt, Germany, 1959-60. Foreign Travel, 1954-56.

JOSEPH L. BOWMAN, A.B., M.S.

Professor Emeritus of Mathematics and Physics (1959, 1926)

A.B., McPherson College, 1918; M.S., University of Chicago, 1924; University of Chicago, summers, 1928, 1931; University of Kansas, 1931. Taught: La Verne College, 1920-21; Ripon College, 1924-25; Juniata College, 1925-26.

DALE WEAVER BROWN, A.B., B.D.

Assistant Professor of Philosophy and Religion, Director of Religious Life (1958)

A.B., McPherson College, 1946; B.D., Bethany Biblical Seminary, 1949; Drake University, 1953-55; Garrett Biblical Institute and Northwestern University, 1956-58. Taught: Bethany Biblical Seminary and Bible Training School, 1956-58. Foreign Travel, summer, 1948.

*Several staff members listed were on the 1960-61 staff but not on the 1961-62 staff.

**Several persons listed were employed for the 1961-62 academic year at the time that this catalog was published but had not yet taken up their responsibilities.

***The first date indicates the year of appointment to present position, the second date denotes the year of the first connection with the faculty when such is not indicated by the one date.

JESSIE BROWN, B.M.

Professor Emeritus of Piano (1952, 1915)

Diploma, Bethany Conservatory, 1907; B.M., Bethany College, 1910; Royal Conservatory, Leipzig, Germany, 1913-14; Taught: Bethany College, 1908-12.

SARAH MAY BRUNK, A.B., A.M.

Associate Professor of English and Journalism (1955, 1947)

A.B., McPherson College, 1942; Library School, Kansas State Teachers College, Emporia, summer, 1945; A.M., University of Kansas, 1952.

JOHN B. BURKHOLDER, A.B., Ph.D.

Professor of Biology (1956, 1952)

A.B., McPherson College, 1949; Ph.D., University of Chicago, 1954; Institute on Marine Biology, University of Oregon, summer, 1957; Institute of Cell Biology, University of Wisconsin, summer, 1959.

DORIS COPPOCK, A.B., A.M.

Associate Professor and Director of Physical Education for Women; Instructor in Music (1955, 1950)

A.B., McPherson College, 1948; University of Kansas, summer, 1950; A.M., University of Iowa, 1954; Fred Waring Music Workshop, 1955; University of Nebraska, summer, 1959; Foreign Travel, summer, 1958.

JAMES PETER COULSON, B.F.A., M.A.

Assistant Professor of Literature and Drama (1958)

B.F.A., University of Arizona, 1954; M.A., University of Arizona, 1954; University of Arizona, summer, 1959; Foreign Travel, 1954-57.

WESLEY DeCOURSEY, B.S., Ph.D.

Professor of Chemistry (1955, 1952)

B.S., McPherson College, 1940; Ph.D., Iowa State College, 1944; National Science Foundation Workshop, Indiana University, summer, 1949; National Science Foundation Research Institute, Kansas University, summer, 1950; Taught: Iowa State College, 1946-52.

SAMUEL MILTON DELL, B.S., M.S.

Dean of Men, Professor of Industrial Arts Education (1937, 1931)

B.S., McPherson College, 1926; Central Missouri State Teachers College, summer, 1927; M.S., Iowa State College, 1934; University of Chicago, summer, 1936; Northwestern University, summer, 1937; Kansas State College, summer, 1945; Foreign Travel, summers, 1952, 1958.

RAYMOND L. FLORY, B.S., A.M., Ph.D.

Dean of Students, Professor of History and Political Science (1950, 1947)

B.S., McPherson College, 1940; A.M., University of Kansas, 1942; Ph.D., University of Kansas, 1955; Foreign Travel, summers, 1947-1949, 1951, 1958, 1956, 1956, 1967, 1959.

MERLIN FRANTZ, AB., M.Ed., Ed.D.

Professor of Education and Psychology (1956, 1954)

A.B., McPherson College, 1948; M.Ed., University of Nebraska, 1952; Ed.D., University of Nebraska, 1959; Taught: Tulsa College, 1956-68; Foreign Travel, 1946-48.

DONALD R. FREDERICK, B.S., B.D., M.M.

Professor of Voice and Director of Choral Organizations (1956, 1946)

B.S., Manchester College, 1930; B.D., Bethany Biblical Seminary, 1943; Sherwood Music School, 1944-46; M.M., Northwestern University, 1950.

DONALD E. FULLERTON, B.S., M.A.

Assistant Professor of Mathematics (1960)

B.S., Nebraska State Teachers College, 1955; M.A., State University of South Dakota, 1960; Taught: Bethany College, summer, 1960.

VIRGINIA HARRIS, A.B., B.L.S., M.L.S.

Librarian (1944)

A.B., McPherson College, 1939; B.L.S., Louisiana State University, 1942; M.L.S., Louisiana State University, 1955.

GUY HAYES, A.B., A.M.

Professor of Speech and Debate (1956, 1959)

A.B. McPherson College, 1934; A.M. Colorado Agricultural and Mechanical College, 1941; University of Southern California, summers, 1955, 1958; Foreign Travel, 1940-45, summer, 1952.

MAURICE A. HESS, A.B., A.M., LL.D.

Professor Emeritus of English and Latin (1957, 1919)

Graduate, Cumberland Valley Normal, 1909; A.M., University of Pennsylvania, 1917; University of Chicago, summers, 1930, 1937; Litt. D., McPherson College, 1961.

GILFORD KENBERRY, JR., B.S., M.S., Ph.D. **

Associate Professor of Biology (1961)

B.S., McPherson College, 1932; M.S., Oklahoma State University, 1936; Ph.D., Iowa State University, 1938. Taught: Iowa State University, 1937-38; Michigan State University, 1959-61.

ELEANOR S. KRAVIG, B.S., M.A. *

Assistant Professor of Art (1959)

B.S., University of Minnesota, 1932; Art Students League (New York), Cranbrook Academy of Fine Arts, and other art schools; University of Oslo, Norway, 1949; M.A., Hunter College, 1959. Taught: Villa Maria College, 1944-47; Hampton Institute, 1947-48; Wilmington College, 1951-52; Cassiaria Junior College, 1952-54; Casey Junior College, 1956-57.

ALICE H. MARTIN, B.S.

Registrar (1950, 1938)

Kansas State Teachers College, Emporia, 1931-32; summer, 1933; B.S., McPherson College, 1938; University of Denver, 1958; College of the Pacific, summer, 1956. Foreign Travel, summer, 1951.

BURTON METZLER, A.B., B.D., Th.B., Ph.D.

Professor of Philosophy and Religion (1937)

A.B., Manchester College, 1920; B.D., Bethany Biblical Seminary, 1921; Th.B., Princeton Theological Seminary, 1924; Ph.D., Southern Baptist Theological Seminary, 1936. Taught: Manchester College, 1927; Bethany Biblical Seminary, 1925-28.

ROBERT ELLSWORTH MOHLER, A.B., M.S., Sc.D.

Professor Emeritus of Biology, Curator of the Museum (1952, 1913)

A.B., Mt. Morris College, 1912; M.S., Kansas State College, 1916; University of Wisconsin, 1925; University of Kansas, summer, 1927; Seminar, National University, Mexico City, 1929; Sc.D., LeVern College, 1941.

OSCAR A. OLSON, B.S., A.M., Ph.D.

Professor of Economics and Business Administration (1939)

B.S., Northern State Teachers College, South Dakota, 1923; A.M., University of Iowa, 1932; Ph.D., University of Iowa, 1939; University of Colorado, summer, 1940; Economics in Action Program, University of Wisconsin, summer, 1956. Taught: Denison University, 1943-45.

MARY ANN ROBINSON, B.S., M.A. **

Dean of Women, Assistant Professor of Psychology (1961)

B.S., Kansas State University, 1945; M.A., McCormick Theological Seminary, 1953. Foreign Travel; summer, 1958.

DAYTON G. ROTHROCK, A.B., M.Ed., Ed.D.

Associate Professor of Education (1956)

A.B., McPherson College, 1947; M.Ed., University of Nebraska, 1951; Ed.D., University of Nebraska, 1961.

AUDREY SAN ROMANI, B.M.

Associate Professor of Piano and Organ (1952, 1945)

B.M., Bethany College, 1925; student of Helen Curtis, Chicago, 1926; Bethany College, 1929, 1941-42; University of Kansas, summer, 1945.

MILDRED M. SIEK, B.S., M.S.

Professor of Home Economics (1943)

B.S., McPherson College, 1930; M.S., University of Wisconsin, 1940; Kansas State College, 1948; Kansas State Teachers College, Pittsburg, summer, 1950; Columbia University, summer, 1954; University of Denver, summer, 1957; Foreign Travel, summers, 1955, 1960.

SIDNEY L. SMITH, A.B.

Associate Professor and Director of Athletics, Head Coach (1953)

A.B., Kansas Wesleyan University, 1934; Ft. Hays State College, summer, 1936; Colorado State College of Education, summer, 1947; Adams State College, summer, 1947, 1948; Colorado College, summer, 1949; Montana State University, summer, 1955.

PAUL V. SOLLENBERGER, A.B.

Assistant Professor of Music Theory and String Instruments (1952-1946)

Sherwood Music School, 1940; A.B., McPherson College, 1947; Northwestern University, summers, 1947, 1948; University of Wichita, summers, 1954, 1960.

HARLEY STUMP, A.B., M.Ed., B.D.

Assistant Professor of English (1957)

A.B., Southwestern State College, Oklahoma, 1944; M.Ed., University of Oklahoma, 1952; B.D., Bethany Biblical Seminary, 1953; Oklahoma University, summers, 1954, 1959, 1960-61, 1965-67; Taught Bethany Training School, 1952-54.

IRVIN L. WAGNER, B.S., M.M.

Assistant Professor in Music, Director of Bands and Orchestras (1960)

B.S., McPherson College, 1933; M.M., Eastman School of Music, 1940.

JOHN K. WARD, B.S., M.S.

Assistant Professor of Rural Life, Manager of College Farm (1956)

B.S., McPherson College, 1939; B.S., Kansas State College, 1954; M.S., Oklahoma Agricultural and Mechanical College, spring and summer, 1955; Kansas State University, 1959-60.

DONALD WIDRIG, B.S.

Assistant Coach and Instructor in Physical Education (1960)

B.S., McPherson College, 1939; Emporia State Teachers College, summer, 1960.

ALVIN W. WILLEMS, B.S.

Assistant Professor in Industrial Arts and Mechanics (1956, 1950)

B.S., McPherson College, 1930; Kansas State College, 1934-37.

PART-TIME INSTRUCTIONAL FACULTY**IRENE FRANTZ BITTINGER, B.S.**

Instructor in Foreign Languages (1955)

B.S., Elizabethan College, 1926; University of Illinois, 1939; Foreign Travel, 1939, 1943, 1952, 1958, 1958.

DARLENE EOTH BLICKENSTAFF, B.A., M.A. **

Instructor in Art (1961)

B.A., Oberlin College, 1939; Stadel Art Academy, Frankfurt, Germany, 1950-56; M.A., Indiana University, 1961.

GRACE CRUMPACKER, B.A., B.S., M.A.

Assistant Librarian (1959)

B.A., McPherson College, 1923; B.S., University of Illinois, 1928; M.A., University of Illinois, 1932.

VLADIMIR CZAPLINSKY, (M.S.)

Instructor in Foreign Languages (1960)

(M.S.), Agricultural Institute in Odessa, Russia; Columbia University, 1960.

VERDA GROVE DeCOURSEY, B.S.

Instructor in Design (1932)

B.S., McPherson College, 1940; Iowa State College, 1947-48.

CARA LOU ELLWOOD, B.F.A. **

Instructor in Art (1961)

B.F.A., University of Kansas, 1951. Taught: McPherson College, 1957, 1958.

ELIZABETH JADERBORG, B.A. *

Instructor in English (1960)

B.A., Kean State Teachers College, 1940. Taught: Maine General School of Nursing, 1941-42; Bethany College, 1949-60.

MILDRED I. OLSON, B.S.

Instructor in Secretarial Science (1956)

B.S., State University of Iowa, 1937.

DOROTHY DAWSON SOLLENBERGER, B.S.

Instructor in Piano (1951)

Cincinnati Conservatory of Music, summer, 1944; B.S., Manchester College, 1948; American Conservatory, 1948-49.

Administrative Assistants and Staff

HARVEY C. LEHMAN, A.B.

Director of Development and Public Relations (1958)

A.B., McPherson College, 1921; University of Southern California, summer, 1929; Ohio State University, summer, 1931; Kent State University, 1934, 1937.

PAUL WAGONER, A.B., B.D.

Director of Alumni Affairs (1955)

A.B., McPherson College, 1949; B.D., Bethany Biblical Seminary, 1951.

WILBUR E. MULLEN, A.B., A.M. *

Director of Admissions, Assistant in Public Relations (1959)

A.B., Manchester College, 1952; A.M., Haverford College (1954; Foreign Travel), 1947-49, 1961, 1962, 1968, 1964-59.

EARL FRANTZ, A.B., B.D., A.M., D.D.

Director of Capital Giving (1954-1948)

A.B., McPherson College, 1921; B.D., Bethany Biblical Seminary, 1912; A.M., University of Chicago, 1923; D.D., McPherson College, 1932.

KATHRYN RECHTEL, B.S.L.

Assistant in the Library (1961, 1957)

B.S.L., Bethany Biblical Seminary, 1954.

J. HOWARD FRIES, A.B.

Manager of College Farms, Treasurer Emeritus (1953, 1916)

A.B., McPherson College, 1925.

ELMER RUHSER

Superintendent of Buildings and Grounds (1957)

J. KEITH CLINE

Associate Superintendent of Buildings and Grounds (1946)

WILBUR H. LAUVER **

Assistant in Buildings and Grounds (1961)

DONELDA ARICK, A.B. **

Director of Student Union (1961)

A.B., McPherson College, 1961.

MIRIAM W. DELL, A.B.

Secretary to the President (1951)

A.B., McPherson College, (1923)

ELSIE LUCORE HOLDERHEAD, A.B. *

Secretary to the Dean (1959)

A.B., McPherson College, 1959.

LORETTA TIFTON, A.B.

Secretary to the Business Manager (1952)

A.B., McPherson College, 1952.

THELMA SHEETS

Secretary, Public Relations (1960, 1958)

ANNA MAE HULL

Secretary, Alumni Office (1960)

GLENNA HAWBAKER WAMPLER, A.B. *

Secretary, Admissions Office (1960)

A.B., McPherson College, 1959.

ANNA GEESAMAN

PBX Operator (1960)

Elizabethtown College, 1957-58.

EDNA NEHER, A.B.

Housemother in Dotzour Hall (1953, 1940)

A.B., McPherson College, 1974.

OPAL MILLER

Housemother (Boys' Dormitory) (1960)

ANITA SMITH, F.N.

School Nurse (1959)

DON PAULEY

Dairy Herdsman (1959)

Administrative Officers**Desmond W. Bittinger, A.B., A.M., Ph.D**

President

Wayne F. Gelsert, A.B., Ph.D

Dean

R. Gordon Yoder, B.S.

Business Manager and Treasurer

Alice B. Martin, B.S.

Registrar

Raymond L. Flory, B.S., A.M., Ph.D.

Dean of Students

Mary Ann Robinson, B.S., M.A.

Dean of Women

Samuel Milton Dell, B.S., M.S.

Dean of Men

HAROLD Z. BOMBERGER, A.B., B.D., S.M.

Pastor, McPherson Church of the Brethren

FLOYD BANTZ, A.B., B.D.

Executive Secretary, Western Region of the Church of the Brethren.

Board of Trustees

Term Expires in 1961

Jacob Davidson	Route 1, McCune, Kansas
Glenn Harris	R. R. 1, Box 2, Jennings, Louisiana
Milford Beeghly	Pierson, Iowa
Ray A. Emmert	516-514 Empire Building, Des Moines 2, Iowa

Term Expires 1962

John Miller	3816 Amelia, Oklahoma City, Oklahoma
Louis Bowman	Quinter, Kansas
Harley Sunfores	Maddock, North Dakota
Harold Correll	Hardin, Missouri

Term Expires 1963

George Oltman	Enders, Nebraska
Paul E. Sargent, Vice Chairman	Box 436, McPherson, Kansas
James H. Beahm	1117 Jefferson Avenue, Wichita 3, Kansas
Winston Goering	Route 3, Nampa, Idaho

Term Expires 1964

George Grove	South English, Iowa
Harold Mohler, Chairman	Johnson County Mutual, Warrensburg, Mo.

Term Expires 1965

Ralph Landes	2607 Ann, Kansas City, Kansas
Hubert Swinger	Essex, Missouri
E. A. Wall	420 E. Euclid Street, McPherson Kansas
Royal Yoder	Conway, Kansas

Term Expires 1966

Emerson Chisholm	Roxbury, Kansas
Paul W. Sherfy, Secretary	830 North Ash, McPherson, Kansas
Homer Ferguson	1019 N. Walnut Street, McPherson, Kansas
Ernest Peterson	2648 N. Clarence Avenue, Wichita, Kansas
George Toews	3324 Brookfield Lane, Pueblo, Colorado

Ex Officio

Desmond W. Bittinger, President	McPherson College, McPherson, Ka.
R. Gordon Yoder, Treasurer	McPherson College, McPherson, Kansas.

Each trustee is elected for six years.

Standing Committees Of The Faculty

1960 - 1961

Administrative: Bittinger, Brown, Flory, Geisert, Lehman, Yoder

Admissions: Mullen, Geisert, Martin

Building Scheduling: Bittinger, Geisert, Ruhser, Yoder

Campus and Grounds: Yoder, Cline, Ruhser

Chapel and Assemblies: Brown, Coulson, Hayes, San Romani, Sollenberger, two students

Curriculum: Geisert, Brunk, DeCoursey, Frantz, Martin, Olson

Historical: Bechtel

Library: Arnold, Bechtel, Geisert, Harris, Rothrock, Sollenberger

Cultural Program Series: Lehman, Frederick, Geisert, Yoder

Personnel and Counseling: Flory, Mrs. Bechtel, Brown, Dell, Geisert, Neher, Widrig

Placement: Frantz, Wagoner

Teacher Education: Frantz, Brown, DeCoursey, Dell, Geisert, Hayes, Martin, Rothrock, Siek

Program (Faculty): Bechtel, Burkholder, Coppock, Crumpacker, Mullen

Publicity: Lehman, Brunk, Hayes, Kravig, Wagoner

Radio and T.V.: Hayes, Coulson, Lehman, Wagoner

Religious Life: Brown, Bomberger, Metzler, Wagoner

Scheduling and Calendar: Geisert, Miriam Dell

Scholarships, Aids, Loans: Flory, Geisert, Mullen, Yoder

Social (Faculty): Willems, Arnold, Coulson, Fullerton, Siek, Smith

Faculty Loan: Olson, Brown, Frantz

Athletics: Yoder, Bittinger, Hayes, Sherfy, Smith

Summer Session: Geisert, Frantz, Martin

Student Committees, Representatives to:

MCA	Brown
Social	Arnold, Mrs. Sollenberger
Student Council	Geisert, Mrs. Bechtel, Dell, Flory
Student Court	Flory

Note: The president is a member (ex-officio) of all committees

Standing Committees of the Board

1961-62

Executive: Wall, Sargent, Sherfy, Yoder, Chisholm, Beahm, (Bittinger, G. Yoder, ex officio).

Finance and Investments: Wall, Miller, Sargent, Ferguson, Chisholm, (G. Yoder, Geisert, ex officio).

Educational: Peterson, Emmert, Lande, Mobler, Bowman. (Faculty associates—M. Frantz, Burkholder, Geisert).

Buildings and Grounds: Harris, Sherfy, R. Yoder, Grove. (Faculty associates—Ruhser, Cline, G. Yoder).

Note: The president is a member (ex-officio) of all committees.

Committee on Higher Education

College and Seminary Presidents
Church of the Brethren

1961

D. W. Bittinger	McPherson, Kansas
Warren D. Bowman	Bridgewater, Virginia
C. N. Ellis	Huntingdon, Pennsylvania
Harold D. Fasnacht	La Verne, California
A. Blair Helman	North Manchester, Indiana
Roy E. McAuley	Elizabethtown, Pennsylvania
Paul M. Robinson	Chicago, Illinois
Loren Bowman, Secretary	Elgin, Illinois

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