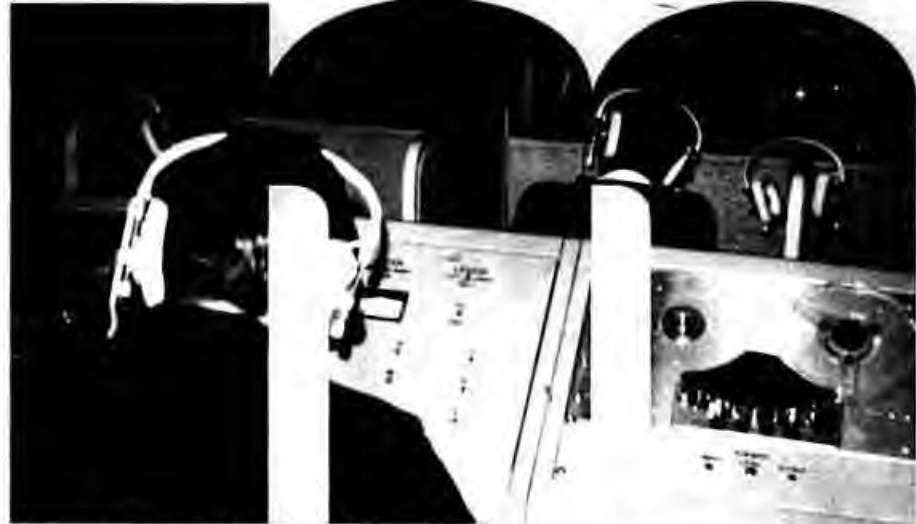


MEMPHIS COMMERCIAL

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April, 1969

BULLETIN

M C P H E R S O N

Vol. 58 No. 9

Published monthly, except June and August.

by McPherson College, 1600 East Euclid, McPherson, Kansas.

Second-class postage paid in McPherson, Kansas.

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MCPHERSON IN BRIEF

McPherson College was founded in 1887. It is related to the Church of the Brethren, but is open to all students regardless of color, race, or national origin.

The Purpose of the college is to offer a basic liberal arts education which provides a Christian emphasis. Included in the curriculum are pre-professional courses, teacher preparation for elementary and secondary education, and contemporary courses in the humanities and fine arts, social sciences, natural sciences, and applied arts and sciences.

McPherson College Faculty is scholarly, dedicated, and sensitive to student needs. The number of faculty members with a Ph.D. is high. The buildings and instructional equipment are related to the educational program. The curriculum is revised continually to meet changing educational patterns.

Students at McPherson College are encouraged to be responsible and accountable. Democracy and cooperation as well as spiritual growth are central in the college program. Enrollment is approximately 800. Resident Halls are available for men and women, and apartments for married couples.

Accreditation includes the North Central Association of Colleges and Secondary Schools and other national, area, and state accrediting bodies.

McPherson College is a member of the Associated Colleges of Central Kansas. Other colleges in the Association, all within a thirty-five mile radius of McPherson are: Bethany College, Bethel College, Kansas Wesleyan University, Sterling College, and Tarbor College.

The Degrees granted by McPherson College are the Bachelor of Arts and the Bachelor of Science. Many McPherson College graduates continue their education at graduate colleges and universities throughout the world.

An International climate exists at McPherson College. Students are present from many countries, and this enables the students to have an enriching cultural experience.

McPherson Alumni continue to perform outstanding services in many professions and fields of work. The success of our alumni illustrates the quality of the liberal arts program at McPherson.

Costs at McPherson are moderate. A complete listing of all costs appears under the Student Life Section in this catalog.

McPHERSON ACADEMIC CALENDAR | 1969-70

Fall Term

September 1, 2, 1969	Freshman and Transfer Student Orientation Days
September 3, 4, 1969	Enrollment
September 5, 1969	Classes Begin
September 5, 1969, 3:00 p.m.	English Usage Test for Foreign Students
September 6, 1969, 8:00 a.m.	English Proficiency Test
November 26, 27, 28, 1969	Thanksgiving Vacation
December 15, 16, 17, 18, 1969	Final Exams for Fall Term

Interterm

January 5-30, 1970	Classes in Session
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Spring Term

February 2, 3, 1970	Registration
February 4, 1970	Classes Begin
March 27-April 5, 1970	Mid-term Vacation
May 18, 19, 20, 21, 1970	Final Exams for Spring Term
May 24, 1970	Baccalaureate-Commencement (Sunday, 2:30 p.m.)

1969 Summer Sessions Beginning June 2, June 9, June 30, July 21, August 11

1970 Summer Sessions June 1-August 21, 1970

MESSAGE FROM THE PRESIDENT



A college education can be the most important experience of a person's life. It is a time to become excited about new ideas, people, and the world in which we live. These years are important in making decisions about ideals, philosophy, religious commitment, vocation, and choice of a life partner.

McPherson College is located in the city of McPherson, about sixty miles north of Wichita. The College was founded in 1887 and is a coeducational, liberal arts, private, independent, church-related (Church of the Brethren) institution of higher learning. The College grants two degrees: the Bachelor of Arts and the Bachelor of Science. Among its faculty members and its student body of approximately 800 students, are persons of a variety of denominational commitments.

The College is fully accredited by the North Central Association of Colleges and Secondary Schools and the American Association of University Women. The Teacher Education Program is accredited by the Kansas State Department of Education. McPherson College is a member of the Kansas Association of Colleges and Universities, the Kansas Council of Church-related Colleges, and the Kansas Foundation for Private Colleges, Incorporated.

McPherson College emphasizes both academic excellence and religious vitality. The College surrounds itself with students and opportunities for full development: intellectual, religious, moral, artistic, and social. The College does not tell a student what he should believe, but it does expect him to grapple with basic religious and philosophical questions and try to arrive at a position of his own. Religion and liberal learning are regarded as mutually supportive.

The curriculum deals with a common body of knowledge and skill, which all students are expected to encounter. The educational experience extends through the four years and culminates in a senior program which helps the student integrate his undergraduate education. The College continually designs for itself a coherent pattern which relates purpose, staff, and program in such a manner as provides for a meaningful educational experience.

The College underscores the following education emphases: (1) to be a strong academic community of committed persons, (2) to provide a liberating experience related to responsible decisions, (3) to experience meaningful person-to-person relationships, (4) to see the inter-relatedness of study and work, (5) to thoroughly understand social behavior, (6) to work at conflict resolution, (7) to use power in a responsible and humane manner, and (8) to be involved seriously in efforts to realistically meet the needs of community, nation, and world.

At McPherson College the students, faculty, staff, trustees, and alumni believe that we are preparing students for a life of relevant service. Teaching, understanding, dormitory living, campus activities, sports, and the meaningful interaction of student with teacher comprise the community that in some way builds seriousness about life and leadership that is characteristic of a McPherson College graduate.



GENERAL INFORMATION

Definition of the Institution's Educational Task

The aims of McPherson College can be summarized under the following four categories: liberal education, personal development, religious development, and professional education.

At McPherson College, liberal education focuses its attention on each individual student. He is encouraged to understand his relation to society and to prepare himself to live well in all relationships. The College seeks to help him to learn about the good life and how to achieve it for himself. It aims to give him both breadth and depth of human understanding. It is interested in helping him become a good citizen. It seeks to provide him with the necessary background of understanding and experience to develop a philosophy of life which will have meaning for him in his vocation or profession.

As a further development of liberal education, McPherson 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 a direction of more significant insight;
- (5) finer moral discernments and aesthetic sensitivities;
- (6) a loyalty to truth in all realms of life;
- (7) commitment of life and abilities to useful purposes.

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

In personal development, the following areas are stressed: personal character, social development, social responsibility, physical well-being, Christian home-making, and Christian vocation. In the area of personal character, the College seeks to develop within its students the desire for altruistic living. Some of the emphasized traits would be poise, self control, self-discipline, a well-ordered life, and a dedication to truth and to goodness. In order to provide opportunities for personal growth, McPherson College attempts to offer a well-rounded program that affords many students opportunities for participation and involvement in the campus community.

The College works with each student to help him achieve social poise and social competence through general instruction, personal conferences, and social activities, and by many opportunities for the faculty and students to be together in community.

The religious development at the College is fostered through the following aims: to acquaint the student with the intelligent understanding of the basic doctrines of the Christian religion; to help him develop a Christian perspective of the universe and a Christian oriented philosophy of life; to confront him with the ethical ideals of the Christian religion; and to help him become involved in the community in a charitable manner.

To help achieve these ends, the College employs persons who are Christian. It offers courses in Bible, church history, ethics, philosophy, and comparative religions, which provide the intellectual foundation for the Christian faith. It conducts worship programs in the chapel and cooperates with all the churches in the community in promoting a religious life. It provides student Christian organizations, brings to the campus religious leaders for addresses and discussions, and through person-to-person contact seeks to provide an environment which will help each student in developing a vital religious life.

It is the aim of the College that each student achieve a sense of intelligent and realistic concern for his fellowmen. The ethos of the College is one in which the entire College community attempts to practice the Christian ideal of service as an important goal of the well-ordered and whole life.

The College aims to assist the student in developing himself physically and socially through a program of physical education, recreation, and athletics. Efforts are made to guide students into participation in various forms of intramural and intercollegiate sports. 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 College, a sense of wholesome sportsmanship and competitiveness. In this area it is the aim of the College to produce better persons rather than highly specialized athletes.

The College seeks to emphasize the Christian home as one of the basic social units of a Christian society. In addition to offering courses designed to help students build homes which are financially sound, aesthetically attractive, and spiritually creative, the College affords the students many opportunities to share family life with the faculty and administration.

Each student at McPherson College is assisted early in his college career to develop a professional or occupational direction and to design a program of studies including liberal arts courses which will enable him to obtain his goal.

The College recognizes that the preparation of students for teaching is one of its important functions since many of its graduates enter the teaching profession. The Education Department, assisted by other departments, prepares students for certification and competent teaching in both elementary and secondary fields. The rural life program at the College seeks to prepare both men and women for efficient and progressive farm life and for significant rural leadership. The College also provides certain other courses which are pre-professional or occupational in outlook. Among these are home economics, industrial arts, business administration, stenography, music, art, pre-engineering, pre-medical, and pre-law. In addition to these, the College seeks to prepare students for full-time Christian service, which includes the ministry, missions, Christian education, and worldwide service projects. In all of these professions, a broad liberal arts education is emphasized.

History

Starting a college on the prairies of Kansas in 1887 was no easy task, but to the educational leaders of the Church of the Brethren it was a necessity.

Although seventeen locations were offered, on August 11, 1887, a committee appointed by the Church chose McPherson as the location for their college, and the first college term began on September 5, 1888, with one building, sixty students, and a faculty of seven. Professor S. Z. Sharp served as the first president.



MCPHERSON COLLEGE

The three students who composed the first graduating class of 1892 spent four years of college life using one building, Fahnestock Hall, which provided the men's dormitory, women's dormitory, classrooms, library, chapel, recreation rooms, and lounges.

The growth of the College has generally paralleled the economic and cultural growth of the area in which it is located. More than 800 students are enrolled with a faculty and staff of more than 60 full-time persons.

Physical plant growth was gradual during the early period. The second building, Sharp Hall, was completed in 1902, and the third building, the Carnegie Library, was completed in 1906. The following fifty years saw the completion of seven more buildings on campus, including off-campus apartments for married students.

The accelerated growth in recent years is reflected in the completion of seven buildings since 1960, with the addition of a new million-dollar library now under construction.

McPherson College is constantly improving the effectiveness of its academic program, including competent teachers and modern facilities. Curriculum and facilities are planned to best meet the needs of the latter part of the mid-20th century.

STUDENT LIFE

Costs at McPherson College \$1870-\$2030

Cost per year. This cost includes tuition (12 to 15 hours per term), interterm (maximum of 4 hours), board, room, health service, student activity privileges, student publications, and the general fee (includes class dues).

Students pay one-half of the annual cost when they register for classes for the fall term and at the beginning of the spring term.

Costs can be particularized as follows:

Tuition, \$535 per term (12 to 15 hours)	\$1070
Room, \$130 to \$210 per term	\$ 260-\$ 420
Board, \$220 per term	\$ 440
General Fee, \$50 per term	\$ 100
Total for the year	\$1870-\$2030

Residence hall charges per academic year are as follows:

Bitinger Hall—Men	\$420
Dotzour Hall—Women	\$340
Fahnestock Hall—Men	\$300
Kline Hall—Women	\$260
Metzler Hall—Men	\$360
Arnold Hall (if needed)	\$260

College Courts Married Couples	
One-bedroom apartment	\$ 50.00 per month
Two-bedroom apartment	\$ 60.00 per month
Electricity to be paid by renter	
Part time and excess hours	
1-8 hours per term	\$ 36.00 per hour
9-11 hours per term	\$ 46.00 per hour
Over 12 hours per term	\$ 32.00 per hour

INTERTERM This section does not apply to students who are enrolled for a minimum of 12 hours during each of the fall and spring terms.

If a student is enrolled only for Interterm, charges will be \$36.00 per credit hour for tuition and \$13.00 per week for Board. The weekly room charge is on a pro-rata basis, depending on the residence hall.

If a student is enrolled for only the fall or spring term, his charge for that term includes tuition for two interterm credit hours and two weeks interterm room and board if a resident student. Additional interterm tuition and room and board are charged as indicated in the preceding paragraph.

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

Auditing courses, each semester hour	\$20.00
Change of enrollment after second week of school	5.00
Late registration	10.00
Late examinations	5.00
Placement Bureau enrollment	5.00
Placement Bureau, notification service	5.00
Private music lesson fee, per semester hour (in addition to regular tuition)	6.00
Transcript (first one free)	1.00
Record Rebuilding Fee	10.00
Application Fee	10.00
Blue Cross Blue Shield Insurance (optional) per year*	23.36

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.

Methods of Payment

4. Optional plans

1. Cash in full each semester at the time of enrollment. Discount of \$5.00.
2. Two equal payments each semester. Half at enrollment, half at mid-semester. SERVICE CHARGE of \$5.00 each semester (1) per cent interest per month on past due balance)

3. Four equal monthly payments each semester . . . September 1, October 1, November 1, December 1, February 1, March 1, April 1, May 1
SERVICE CHARGE OF \$10.00 each semester (1 per cent interest per month on past due balance).

b. The Tuition Plan

For those parents who prefer to pay their educational expenses in convenient monthly instalments, we are pleased to offer the Tuition Plan. This program was founded in 1938 and is offered by more than 1000 schools, colleges and universities.

Parents may choose a plan to cover expenses of tuition, room, and board in a single agreement payable in 12 monthly instalments on a one-year agreement. Two years' cost are payable in 24, 30 or 36 monthly instalments, and the three years' costs are payable in 36, 45 or 54 monthly instalments.

Parents of entering freshmen may cover their entire four years' expenses under one agreement providing 48, 60 or 72 instalments.

Parent Life Insurance to guarantee an uninterrupted education for the student may be included on all plans.

Detailed information concerning The Tuition Plan is mailed to parents each summer or you may write to the Director of Admissions for a descriptive pamphlet.

- 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.

Refunds will be made on the following basis:

Tuition: One hundred per cent, less \$25.00, will be refunded if withdrawal is made during enrollment week, 80 per cent will be refunded if withdrawal is made during the second week, for each succeeding week, the refund will be decreased by 20 per cent. After the fifth week, no refunds will be made.

Room: Same as tuition

Food Service: Prorated on a weekly basis, a part of a week being charged as a full week.

Fees: No refund

No refunds are made to students who are dismissed or are asked to withdraw by the College. No refunds or adjustment will be made unless authorized by the Dean of Academic Affairs, or by the President in the absence of the Dean of Academic Affairs.

McPherson College reserves the right to suspend a student at any time with or without legal cause.

Room Reservation and Room Deposit Students may reserve rooms in the residence halls in advance of the opening date by depositing a fee of \$25.00, which is held as a breakage fee until the close of the year. Extra charges are made each semester for approved electrical appliances. All students are expected to live in the college residence halls and partake of the food plan unless they commute from their homes. (However if rooms are no longer available in the residence halls, students will be located in approved private homes.) The paid fee will assure the students of rooms in the residence halls in the order in which their names appear on the waiting list. The room reservation fee will be refunded if the request is received by July 1. The second semester room reservations will be refunded if request is made by January 2.

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 and Advance Deposit A non-refundable application fee of \$10.00 is to accompany the application for admission. All students who are accepted for admission are required to make an advance tuition deposit of \$50.00 which is due 20 days after notification of acceptance for admission. This deposit for educational expenses is non-refundable.

Financial Aid

Scholarships, grants and loans to students are awarded through the Financial Aid Committee. Qualified students are eligible to receive a maximum of one academic scholarship and one College grant per term. However, students qualifying for: (a) grants for dependents, (b) Brethren Volunteer Service Grants, (c) Family grants, and (d) Ministerial loans may select one from the four listed or one other college scholarship or grant for which he is eligible and provides maximum financial benefit. Educational Opportunity Grants and all grants and scholarships provided directly to the student by outside sources are not limited to the above policy. Music awards are classified as grants.

The total combined scholarship and grant from the College may not exceed three-fourths of the regular tuition for full-time students per term. Scholarships and grants only apply to the fall and spring terms. All students who apply for grants must complete all appropriate forms. Students receiving scholarships must maintain an acceptable scholastic record. Students receiving College grants and awards must maintain an acceptable academic standing as interpreted under the Scholarship and Probation rules as listed later in this catalog.

MCPHERSON COLLEGE

1 SCHOLARSHIPS

Competitive Honor Scholarships ranging in value from \$800 to \$2700 distributed over a four-year period, are available to entering freshmen. After the first term, a sliding GPA scale of 2.9 to 3.4 is used in determining the value of the scholarship.

High School Merit Scholarships, each worth \$600 distributed over a four-year period, are available to students in the top ten per cent of their graduation class. \$400 scholarships are available to those who have high scores on ACT and other tests.

Junior College and Transfer Student Scholarships are valued at \$100 to \$500 annually to students who have earned at least a 3.00 GPA (4-point scale).

Upper Class Scholarships, with a total value of \$100 each, are offered to two McPherson College freshmen, sophomores, and juniors each year for the succeeding year. These are awarded on the basis of one semester, three semesters, and five semesters of college work, respectively.

Music Awards, ranging in total value from \$400 to \$1200, are available

Memorial Endowment Scholarships are available to worthy students from endowment funds provided in memory of

Glen Donald Austin
Virgil Meyers Herkebble
Walter E. Berry
Earl Eby Curtis
Samuel Theodore Elrod (for ministerial students)
Len and Stella Harden (for science students)
Dr. and Mrs. Roscoe C. Ingalls (for junior college transfers)
Edith D. Keller

The Bethany Brethren Hospital Nursing Educational Scholarship is available to students preparing for the nursing profession.

2 GRANTS

Intercultural Student Grants: A maximum of twelve grants are available to students from different international and ethnic groups and these are applied on tuition.

Grants for Dependents: A tuition reduction of thirty per cent is available to the unmarried children of those who are engaged in full-time Christian service as described under Ministerial Loans. This reduction applies to a maximum of 15 hours per term, excluding summer courses.

Brethren Volunteer Service: Grants amounting to 30 per cent of tuition are available to those who have served in Brethren Volunteer Service or Alternate

Service without pay. These grants are for the same number of years served, not to exceed two years.

Family Grants. When there are two regularly enrolled college students from the same family and neither has received a scholarship or grant 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 from the College, each will be given a 10 per cent discount.

Educational Opportunity Grants. Grants are available in limited numbers for students from low income families. These grants are provided by the Department of Health, Education, and Welfare, Office of Education.

Matching Grants. The College will match, up to \$40 a term, the grants made by local Churches of the Brethren for their own students and for other groups approved by the College, when worthiness and need of the student have been established.

Veterans Benefits. McPherson College is on the approved list of veterans benefits as administered under Federal regulations.

Special Grants. Special grants are established at the College for designated purposes and some of these are as follows:

The Mr. and Mrs. E. J. Frantz grants are made possible through their continuing gifts for students who have financial need.

The Victor and Rosalie Ulton Grants, established as a memorial to Victor, are available for worthy students.

Dr. and Mrs. Earl Frantz and their children established the Earl and Lela Frantz Scholarship Endowment Trust, with proceeds being used for grants and scholarships.

The Peoples State Bank Grants are designed for worthy students residing in the McPherson area.

The College participates by supplying part of the funds or in processing the applications, or both, in a number of loan programs. Some of these are:

3. LOANS

National Defense Student Loan Fund is a fund through which the College is able to loan approximately \$75,000 annually. This fund was designed to give preference to prospective teachers and to others in critical courses of study. Good scholarship and definite need are both requirements for these loans.

United Student Aid Funds and Federally Insured Loans are available through local banks. Reserve funds are provided by the Federal Government through the

McPHERSON COLLEGE

Department of Health, Education and Welfare along with funds provided by some states, industry, and educational institutions. These are low-cost, long-term loans of up to \$1,000 per year which provide Federal Insurance benefits if the student qualifies.

The Tuition Plan is a deferred payment system through which the cost of college may be spread out in monthly installments over one, two, three, or four years. A parent life insurance provision is automatically included.

The Loan Fund of the Church of the Brethren has limited funds available for Brethren students.

The Federated Women's Clubs of McPherson and the *Rotary Club* of McPherson have placed loan funds at the disposal of students who meet their qualifications.

The McPherson College Scholarship Loan Fund was formerly the most important loan source for students. Of recent years, however, the assets that have come to that fund have generally been transferred as matching portions in several of the other loan funds to broaden the available loan base. Many individuals and groups have contributed to this fund. Some of these are:

Beatrice Assembly
Albert and Charles J. Cochran
John Samuel Evans
E. J. Frantz
Mrs. E. E. Grenough
Mrs. Sarah Whitmore Hamly
Dr. W. C. Heaston
Della Hoerner
Rosco Ingalls
Mrs. Elizabeth Kenner
O. F. McGonigle
The McLouth Church of the Brethren
Frank Rhodes
Mrs. Sarah Ellen Rock
Dr. Ralph Y. Strohm
The Ernest and Olivia Ikenberry family
Texas-Louisiana District
Various youth groups of the area

Ministerial Loans amounting to 30 per cent of college tuition for full-time enrollment of no more than 15 hours per term may be granted to juniors and seniors who are preparing for the ministry and other types of full-time Christian service. Interest at the rate of 4 per cent will be assessed for any unpaid balance following the date of discontinuance of course of study at McPherson College.

At any time within ten years following discontinuance 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 ministers 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.

The College employs student assistants to aid the instructional staff. The students are usually selected from the upper classes and are students of high scholastic standing. Appointments are subject to the approval of the Dean of Academic Affairs.

4 ASSISTANTSHIPS

There is some opportunity for students to earn money both at the college and in the town of McPherson. The Food Service 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. In addition to this, many students find work in private homes, stores, service stations, garages, and restaurants in McPherson. However, it should be understood that only a relatively small part of one's total expense can be earned by part-time employment and that jobs 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.

5 EMPLOYMENT

The Placement Bureau assists graduates and former students to secure positions in their professional fields. Registration blanks may 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 also maintained in the Placement Bureau. Many business firms make contacts through this office in recruiting employees. Current information concerning job opportunities is made available to graduating seniors.

The College, particularly through its admissions offices, assists students to find work. Many McPherson and area businessmen and farmers report part-time student jobs to this office which in turn makes this information available to students.

Counseling and Personal 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.

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

In addition the College is closely related to Prairie View Mental Health Center for professional psychiatric help.

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 and clinic 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 per semester at a physician's office and \$3.00 for one residence call. All calls must be approved in advance by the school nurse or a Resident Director of one of the Dorms.
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.
4. To advise for the maintenance of 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 approximately \$33.36 (for a single student, subject to change) 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 qualified 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 one of the deans.

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

All 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 Convocation period is held once a week. Voluntary Chapel and 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.

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 the college bookstore, dining rooms, lounges, recreation areas, and student offices. There are lounges in the residence halls 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. Trips to nearby cities and outings are regularly arranged. The social life is under the general administration of the Activities and Social Committees composed of faculty members and 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 cooperate with 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, illegal use of drugs and smoking in campus buildings 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 Ground*. 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 of his choice. The total college gathers for Convocation once a week. Voluntary worship is available to students once a week.

The Dean of Student Affairs 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 may be asked by the Administration or the Student Court, following approval of 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 speak-

ing, and so on. Scheduling should be done 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 residence hall. 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 Resident Director of a given dormitory 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 Student Life 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 term in each of the three editorial positions. A new campus editor is selected each term. 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 of: a president, a vice president, a secretary, a treasurer elected from the total student group; two representatives from each of the four classes, elected by the members of the class to be represented; eight representatives elected at large by the student group. Faculty advisers are: the Dean of Academic Affairs, the Dean of Women, the Dean of Men, and the Dean of Student Affairs.

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 Student Life Committee of the faculty on matters of concern relative to student welfare.

Students living in the residence halls have their own *residence hall councils* which administer college and residence hall regulations with the advice and assistance of the head residents, resident assistants, 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 is elected at the general student election. The secretary-treasurer is elected by the Court from its membership.

Women's Council: This is under the sponsorship of the Dean of Women and is composed of a selected group of college women. The council meets regularly to discuss and deal with student welfare.

The A Cappella Choir: This choral group specializes in the singing of un-accompanied 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 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.

Small Instrumental and Vocal 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, baseball, cross country, 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 McPherson College YM-YWCA seeks to attract and unite in fellowship persons of various faiths and those who affirm no faith. It seeks to help persons serve in the spirit of love, work for a just society and act for freedom and enrichment of human living. In an open search for life purpose, individuals are encouraged to confront the power and relevance of the Christian faith.

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.

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 INTEREST EXTRACURRICULAR ACTIVITIES

Agricultural Club	M.F.N.C. (Music Educators National Conference)
Alpha Psi Omega (Dramatics)	Model United Nations
Chamber Choir	Pep Band
Circle K Club	Phi Alpha Theta (National Honorary History Society)
C.B.Y. (Church of the Brethren Youth Fellowship)	Pi Kappa Delta (National Honor Forensic Society)
Forensics (Debate)	Rodeo Club
German Club	Skate Club
Home Economics Chapter	Sociology Club
International Relations Club	S.N.E.A. (Student National Education Association)
Muth Club	Young Democrats
M.C.Y. (McPherson College YM—YWCA)	Young Republicans
McPherson College Players	



Special Events

Church of the Brethren Area Youth Conferences: Senior high young people from the college church constituency are invited to the campus for a weekend conference each spring.

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.

Parents Day: Each fall parents of the students are invited to the campus for the weekend for the purpose of visiting students and becoming better acquainted with faculty and better informed about the College.

Homecoming: Each fall a Homecoming celebration is sponsored by the Alumni Association and various student organizations of the College. Several activities, including class reunions, extracurricular group reunions, alumni teacher coffees, an evening program, an evening coffee hour for alumni, and others are planned for the weekend. A Homecoming queen and two attendants, selected by the students, reign over the festivities and are honored at the Queen's Ball in the evening.

Invocation and Chapel Programs Outstanding speakers are scheduled throughout the year to address the entire student body on timely secular and religious topics.

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

Musical Programs Concerts and other musical productions are presented by vocal and instrumental groups and soloists throughout the school year.

Plays and Debates During each school year the College Players present a wide variety of dramatic productions. McPherson College annually hosts at least one invitational debate tournament.

The McPherson Cultural Series The College annually sponsors a series of musical, dramatic, and lecture attractions for the campus community and the general public. Outstanding programs of past years have included the Don Crossack Chorus, the San Antonio Symphony, the Norman Luboff Choir, AP correspondent Eddy Gilmore and Bennett Cerf.

All-School Events

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

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

Special dinners are provided at various times during the school year by the Food Service for students and faculty members. The students have one night a week which is designed as "dress-up" night in the dining hall.

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 nearby or throughout the entire area. 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.

Brother Colleges Abroad The College cooperates with Bridgewater College, Elizabethtown College, Juanita College, La Verne College, Manchester College,

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and Bethany Seminary in operating a junior year abroad program at Marburg, Germany, and Strasbourg, France, under the auspices of the Commission on Higher Education of the Church of the Brethren.

McPherson College students have the opportunity to join a year abroad program in Latin America, at the Universidad de los Andes in Bogota, Colombia, through the International Educational Services of the Council of Mennonite Colleges.

Students interested in these programs should consult with the Dean of Academic Affairs or a language adviser early in the freshman year.

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.

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 form. Forms are secured from the Director of Admissions.

Candidates for admissions are required to take the American College Testing program examinations. It is recommended that this test 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.

A non-refundable application fee of \$10.00 is to accompany the application for admission. All students who are accepted for admission are required to make an advance tuition deposit of \$50.00 which is due 20 days after notification of acceptance for admission. This deposit for educational expenses is non-refundable.

An official transcript of the student's high school record and recommendation as to his personal and social qualities are required. After data are 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 each institution previously attended to send to the Director of Admissions a transcript of 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 student who has achieved upper-level standing may not transfer junior college credit to McPherson College for work taken beyond the sophomore year.

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 must 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. A student must complete all admission procedures prior to registration. Registration for each term 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 \$10.00.

Degree Requirements

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

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 term immediately preceding the date of graduation.

Residence. In order to qualify as a candidate for a college degree, a student

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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 earn a grade-point average of 2.0. The grade-point average is calculated by dividing the number of grade points earned by the number of hours attempted. A course may be repeated on approval of the dean of academic affairs, with the last grade being used to determine grade-point average. Grade points are earned as follows:

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



ACADEMIC REGULATIONS

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	
<i>Humanities</i>			
<i>Hours</i>		<i>Hours</i>	
Art and/or music *a	3	Art and/or music *a	3
Literature *b	3	Literature *b	6
Bible and religion *c	6	Bible and religion *c	6
Philosophy or history of thought *e	3	Foreign language *d	10
		Philosophy or history of thought *e	3
<i>Social Sciences</i>			
<i>Hours</i>		<i>Hours</i>	
History	3	History	6
Sociology *f	3	Sociology *f	3
Economics *g	3	Economics *g	3
Electives in social science *h	3	Electives in social science *h	3
<i>Physical and Biological Science</i>			
<i>Hours</i>		<i>Hours</i>	
Biological and physical science	10	Biological and physical science	13
This requirement must include at least one course (of not less than two hours) in each of the two areas.			
Electives in science and/or mathematics *i	5		
<i>Special Skills and Understandings</i>			
<i>Hours</i>		<i>Hours</i>	
Written Communications	6	Written Communications	6
Oral Communications	2	Oral Communications	2
Health & physical education *j	4	Health & physical education *j	4

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

*b Reference is to Literature courses numbered from 21 to 146.

*c Three hours of this requirement must be met from Philosophy and Religion courses 21, 22, 106, 111, 116, or 123. The remaining three hours may be met from the above courses or Philosophy and Religion courses 24, 119, 141, 153, or 154.

*d Must be all in one language. The requirement may be waived by the Dean of Academic Affairs for those who can demonstrate reading or conversational ability.

*e Courses meeting this requirement are: Philosophy and Religion courses numbered 37, 39, 40, 144, 146, 157, 158, 159, and 160; Speech-Theatre course numbered 135; Sociology course numbered 135; Political Science course numbered 198.

*f Reference is to Sociology courses numbered 25, 30, and 64.

*g Reference is to Economics courses numbered 1, 4, 133, and 140.

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

*i Mathematics courses numbered 4 or above may be used. Up to three hours of this requirement may be met by courses in the practical arts and applied sciences.

*j This must include two hours of activity courses from the Health, Physical Education and Recreation Department numbered 1-11, 13-24, 26, 63, and 110. The additional two hours may be from the above or from other courses in the department and from Nutrition or Family Health in the Home Economics Department or course 52 in the Biology Department.

Concentration Requirements

- 1 The completion of a major of not less than 24 semester hours in biology, chemistry, economics and business administration, education, psychology, English, foreign languages, history, home economics, industrial arts, mathematics, music, physics, philosophy and religion, physical education, sociology, rural life, or speech-theatre is required. A minimum of 12 hours of this requirement must be met in the courses open to juniors and seniors only. At least 9 of the hours of the major must be completed at McPherson College.
- 2 Comprehensive, 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.

Degree Requirements

Proficiency Examination in English: All students are required to pass a proficiency examination which consists of the writing of an expository essay in correct manuscript form and the establishing of an acceptable score on a standardized objective test before applying for graduation or for matriculation in the teacher education program. This examination is given at the beginning of the fall term and is required of all juniors and those seniors who have not passed it or a similar test in another school. Students who fail the examination are required to complete the course requirements in Basic English Communications.

English Usage Test for Foreign Students: Each foreign student enrolling at McPherson College for the first time is automatically enrolled in 07 English for Foreign Students and will continue in the course until acceptable standards of English usage have been established through his achievement on a test, administered by the Department of English, Speech, and Theatre. Those students who are successful in the test may drop the course 07 English for Foreign Students and pursue a program of study as regularly enrolled students. Those failing to establish acceptable standards of English usage will remain in 07 English for Foreign Students and will work out a program of study with the Dean of Academic Affairs in which some or all of the other courses studied are to be audited.

General Academic Requirements

Student Load: The normal student load during the fall and spring terms is

13-14 credit hours per term. The upper limit is 15 hours per term, except students with a cumulative grade-point average of 3.00 or better may enroll for 16 hours without special permission.

Change of Election of Courses will be initiated through the counselor. Such changes cannot be granted after the second week of the term. Upon written request and the presentation of valid reasons for exception being made, the Dean of Academic Affairs 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 term.

Withdrawal from Courses without registration of grade is possible until the fifth week of the term on the approval of the Dean of Academic Affairs. 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. Permission to withdraw from courses will not be granted after the eleventh week of the term.

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.

Students are placed on probation or dismissed from college on the basis of the following table. Once placed on probation a student of any classification will remain on probation until his cumulative index is brought up to the 2.0 level.

Classification	Hours Attempted	Placed on Probation		Dismissed
		Term GPA	Cumulative GPA	Cumul. GPA
Freshman*	0-14	1.49	1.49	
Freshman**	15-29	1.74	1.74	
Sophomore*	30-44	1.74	1.74	
Sophomore**	45-59	1.74	1.99	
Junior	60-89	1.74	1.99	1.79
Senior	90-124	1.74	1.99	1.89

*First term

**Second term

Exceptions to these rules will be made only by special action of a committee consisting of the President, the Dean of Academic Affairs, the Dean of Student Affairs, and the Registrar. During the absence of any one or two of these persons, the President or the Dean of Academic Affairs may make temporary appointment of one or two of the Educational Policies 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 re-admission after the equivalent of one academic year has

SCHOLARSHIP AND PROBATION RULES

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.

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.

<i>Classification</i>	<i>Hours Toward Degree</i>
Sophomore	30
Junior	60
Senior	90

Grading All grades are determined by the instructor in charge of the specific course.

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 course 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 of Academic Affairs 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 3.50 during the previous term. Students obtaining a grade-point average from 3.25 to 3.49 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 publicized at the close of each term. 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 cumulative grade-point average of 3.40 are graduated cum laude.

Students who earn a minimum cumulative grade-point average of 3.60 are graduated magna cum laude.

Students who earn a minimum cumulative grade-point average of 3.80 are 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 term may enroll for independent study in his major department for the ensuing term. 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 Educational Policies Committee prior to the enrollment for the work. One to three semester hours credit may be earned during a given term, 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 Educational Policies Committee. At the discretion of this group, the student may also be required to take a written examination, as well as an oral comprehensive before a committee of faculty members headed by the major professor.

Problems Courses. A student in his junior or senior year may enroll for a special problems course of from one to three semester hours. The subject for the problem on which the student is to work and the amount of credit to be received must be approved by the instructor, the Head of the Department, the student's faculty adviser, and the Dean of Academic Affairs prior to enrollment.

Class Attendance. Regular class attendance is expected of all students. All professors will outline class attendance policy at the beginning of each term. Students with excessive absences from class or private lessons may be dropped from the class and/or the college.

The final grade of any student who has been absent from any class or laboratory for any reason may be lowered at the discretion of the instructor. Absences from classes in the period immediately preceding or the period immediately following a vacation shall be considered equivalent to two absences for each period missed. Exceptions to these rules may be made through joint agreement of the Dean of Academic Affairs and the instructor.

Necessary absences that can be anticipated should be cleared with the Dean of Academic Affairs 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. Make-up work for all absences is determined by the instructor of the class.

Convocation attendance

Attendance at convocations, just as attendance at classes, is expected and required at McPherson College. Regular convocations have several purposes:

1. To bring the college family together in one body for fellowship and communication.
2. To provide opportunities for spiritual growth and for worship.
3. To provide opportunities for participation in the fine arts and to enlarge appreciation of the fine arts.
4. To provide opportunity for intellectual stimulation and growth.

Regulations regarding convocations attendance.

1. There is one unexcused absence without penalty.
2. For an absence to be considered excused, a written explanation must be approved by the Convocations Committee.
3. Make-up work of 40 pages of reading and a written report will be required for the second unexcused absence. Make-up work must be completed and approved before transcripts will be completed. Permission to enroll the following semester will be withheld until such work has been completed.
4. For each additional absence, up to and including five unexcused absences, work described above (number 3) will be required plus the payment of a ten dollar (\$10) fee. This money will be added to the convocations budget.
5. A sixth unexcused absence will result in automatic dismissal from the college. Application for admission to subsequent semesters must be reviewed by the Retention Committee.

Chapel. Religious worship services are conducted once each week. Although attendance at these is voluntary, all are invited to attend. Worship is considered personal, but highly important.



Professional and Pre-Professional Curriculum

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 a student to enter a number of vocations upon graduation, or after study in the preprofessional curriculum at *McPherson* to proceed to a 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 Agriculture, Art, Biology, Chemistry, Economics and Business Administration, Education, Psychology, English, Foreign Languages, History,

Home Economics, Industrial Arts Education, Journalism, Mathematics, Music, Philosophy and Religion, Physical Education, Physics, Sociology, and Speech-Theatre. 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 of the 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 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 he discusses his college enrollment with his adviser. Departmental counselors, the Dean of Academic Affairs, and the Registrar are available to advise on the specific subjects to consider.

Suggested Program Outline — Bachelor of Science

FRESHMAN YEAR

First Term

Hours

Written Communications	3
Science	4
Bible ⁶ Philosophy or Religion	3
Mathematics or Electives	3
Art, Music, or Electives	2-3
Physical Education	1

Second Term

Hours

Written Communications	3
Science	4-5
Bible ⁶ Philosophy or Religion	3
Oral Communication or Electives	2-3
Mathematics or Electives	2-3
Physical Education	1

SOPHOMORE YEAR

First Term

Hours

Philosophy Electives	3
Sociology	3
History	3
Science, Mathematics, or Electives	3
Electives	2-4
Physical Education	1

Second Term

Hours

Literature	3
Economics	3
Social Science Electives	3
Science, Mathematics, or Electives	3
Electives	2-5
Physical Education	1

McPHERSON COLLEGE

Suggested Program Outline — Bachelor of Arts

FRESHMAN YEAR

<i>First Term</i>		<i>Second Term</i>	
	<i>Hours</i>		<i>Hours</i>
Written Communications	3	Written Communications	3
Language	5	Language	5
Science*	3	Science*	3
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

<i>First Term</i>		<i>Second Term</i>	
	<i>Hours</i>		<i>Hours</i>
Literature	3	Literature	3
Language	5	Language	5
Economics	3	Sociology	3
Philosophy and Religion	3	Philosophy and Religion	3
Electives	1-2	Electives	1-2
Physical Education	1	Physical Education	1

*Or other course required for graduation.

Pre-Engineering: Arrangements with Kansas State University, the University of Kansas, and the Wichita State University 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 University, the University of Kansas, or Wichita State University. 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

<i>First Term</i>		<i>Second Term</i>	
	<i>Hours</i>		<i>Hours</i>
Written Communications 1	3	Written Communications 2	3
Analytical Geom. & Calc. 51*	4	Anal. Geom. & Calc. 52	4
College Chemistry 11	4	Inorganic Chemistry 12	5
Engineering Drawing 3	3	Humanities Elective	3
Oral Communications 1	3	Physical Education	1
Physical Education	1		

SOPHOMORE YEAR

Anal Geom. & Calc. 101	4	Differential Equations 130	3
Physics 5	5	Physics 6	3
Literature	3	Social Science Electives	6
Economics 1	3	Humanities Elective	3
Physical Education	1	Physical Education	1

JUNIOR YEAR

Mechanics 101	3	Science Electives	6
of Elec. & Magnetism 104	4	Religion	3
Religion	3	Social Science and/or	
Biology	4	Humanities Elective	3
Sociology	3		
Math Elective	3		

Loads are limited to 13-15 hours per term.

*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 to acquire a good background in the humanities, the sciences, the social sciences, and a working knowledge of a leading foreign language. Many library schools require at least two years of a foreign language for entrance. If one desires a special field of library work such as history, technology, art, or business, some specialization in the desired field is needed. Stu-

MCPHERSON COLLEGE

dents planning to do school library work should become acquainted with certification requirements at the different levels of teaching.

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

	<i>Hours</i>		<i>Hours</i>
General Biology I	4	Vertebrate Physiology 52	4
Chemistry 11	4	Inorganic Chemistry 12	5
Written Communications	3	Written Communications	3
Oral Communications	3	Art or Music	1
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

	<i>Hours</i>		<i>Hours</i>
Vertebrate Structure and Evolution 50	5	Elementary French or German 2	5
Elementary French or German 1	5	History	3
Sociology	3	Elementary Economics 1	3
Microbiology 34	4	Algebra and Trigonometry	5

JUNIOR YEAR

	<i>Hours</i>		<i>Hours</i>
Animal Development 109 or Cell Biology 163	6	Ecology 116	4
General Physics 3	4	Invertebrate Zoology 55, 105	4
Electives in Literature	3	General Physics 4	4
Electives in Philosophy & Religion	3	Social Science Elective	1
Quantitative Analysis or Electives	4-5	Electives in Philosophy & Religion	1
		Electives	3

SENIOR YEAR

	<i>Hours</i>		<i>Hours</i>
Genetics 103	4	Invertebrate Zoology 105	4
Organic Chemistry 111	4	Ecology 116	4
Electives	8-9	Seminar in Biology 107	1
		Organic Chemistry 112	4
		Elective in Philosophy	3
		Electives	3-5

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 in 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 applicants and dates for medical aptitude tests.

ACADEMIC REGULATIONS

PRE-MEDICAL
TECHNOLOGY PROGRAM

Pre-Medical Technology: A program is offered whereby a student may attend McPherson College for three years and enter an accredited Medical Technology training program for his fourth year. After successful completion of the training program and upon passing the national board examination in Medical Technology, the student will be certified as an MT (ASCP) and will be granted a Bachelor of Science degree by McPherson College.

During the three college years, all distribution requirements for a B.S. degree must be met, a program fulfilling the departmental requirements for a major must be completed and all of the entrance requirements for a Medical Technology school must be satisfied.

The following program must be followed closely during the first three years. If a student chooses to major in Biology, the courses marked with a B must be taken and those marked C do not need to be taken. The reverse applies for a student who chooses to major in Chemistry.

FRESHMAN YEAR

<i>Hours</i>		<i>Hours</i>	
Written Communications 1	3	Written Communications 2	3
General Biology 3	4	Vertebrate Physiology 52	4
Chemistry 11	4	Inorganic Chemistry and Qualitative Analysis 12	5
Oral Communications	3	Electives in History	3
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

<i>Hours</i>		<i>Hours</i>	
Algebra and Trigonometry 7	3	B Introductory Organic Chemistry 54 or	
Quantitative Analysis 55	4	C Quantitative Analysis 56	4
B Vertebrate Structure and Evolution 50 or Electives	3-5	B Invertebrate Zoology or Electives	3-4
Electives in Art or Music	3	Elementary Economics I	3
		Electives in Humanities	3
		Electives in Sociology	3

JUNIOR YEAR

<i>Hours</i>		<i>Hours</i>	
Microbiology 34	4	C Organic Chemistry 112 or	
B Genetics 183 or C Organic Chemistry 111	4	B Ecology 116	4
General Physics 3	4	General Physics 4	4
Electives in Philosophy & Religion	3	Electives in Philosophy & Religion	6
		Electives in Social Science	3
		B Seminar in Biology 187	1

After completion of an acceptable three-year program at McPherson College, the student may enter Grace Hospital School of Medical Technology, Hutchinson, Kansas, or Wesley Hospital School of Medical Technology, Wichita, Kansas, schools with which McPherson College is affiliated. Permission may be given to a student to enter a school of medical technology with which McPherson College has no formal affiliation.

MC PHERSON COLLEGE

dents planning to do school library work should become acquainted with certification requirements at the different levels of teaching.

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

<i>Hours</i>		<i>Hours</i>	
General Biology I	4	Vertebrate Physiology 52	4
Chemistry 11	4	Inorganic Chemistry 12	5
Written Communications	3	Written Communications	3
Oral Communications	3	Art or Music	3
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

<i>Hours</i>		<i>Hours</i>	
Vertebrate "Structure and Evolution" 50	5	Elementary French or German 2	5
Elementary French or German 1	5	History	3
Sociology	3	Elementary Economics 1	3
Microbiology 34	4	Algebra and Trigonometry	5

JUNIOR YEAR

<i>Hours</i>		<i>Hours</i>	
Animal Development 109 or Cell Biology 163	4	Ecology 116 or Invertebrate Zoology 55, 105	4
General Physics 1	4	General Physics 4	4
Electives in Literature	3	Social Science Elective	3
Electives in Philosophy & Religion	1	Electives in Philosophy & Religion	1
Quantitative Analysis or Electives	4-3	Electives	3

SENIOR YEAR

<i>Hours</i>		<i>Hours</i>	
Genetics 183	4	Invertebrate Zoology 105 or Ecology 116	4
Organic Chemistry 111	4	Seminar in Biology 187	1
Electives	0-9	Organic Chemistry 112	4
		Elective in Philosophy	3
		Electives	3-5

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 applicants and dates for medical aptitude tests.

ACADEMIC REGULATIONS

PRE-MEDICAL
TECHNOLOGY PROGRAM

Pre-Medical Technology. A program is offered whereby a student may attend McPherson College for three years and enter an accredited Medical Technology training program for his fourth year. After successful completion of the training program and upon passing the national board examination in Medical Technology, the student will be certified as an MT (ASCP) and will be granted a Bachelor of Science degree by McPherson College.

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The following program must be followed closely during the first three years. If a student chooses to major in Biology, the courses marked with a B must be taken and those marked C do not need to be taken. The reverse applies for a student who chooses to major in Chemistry.

FRESHMAN YEAR

<i>Hours</i>		<i>Hours</i>	
Written Communications 1	3	Written Communications 2	3
General Biology 1	4	Vertebrate Physiology 52	4
Chemistry 11	4	Inorganic Chemistry and Qualitative Analysis 12	5
Oral Communications	3	Electives in History	3
Physical Education	1	Physical Education	1

SOPHOMORE YEAR

<i>Hours</i>		<i>Hours</i>	
Algebra and Trigonometry 7	5	B Introductory Organic Chemistry 54 or	
Quantitative Analysis 55	4	C Quantitative Analysis 56	4
B Vertebrate Structure and Evolution 50 or Electives	3-5	B Invertebrate Zoology or Electives	3-4
Electives in Art or Music	3	Elementary Economics 1	3
		Electives in Humanities	3
		Electives in Sociology	3

JUNIOR YEAR

<i>Hours</i>		<i>Hours</i>	
Microbiology 34	4	C Organic Chemistry 112 or	
B Genetics 183 or C Organic Chemistry 111	4	B Ecology 116	4
General Physics 3	4	General Physics 4	4
Electives in Philosophy & Religion	3	Electives in Philosophy & Religion	6
		Electives in Social Science	3
		B Seminar in Biology 187	1

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Evening Classes

McPherson College makes available on-campus evening courses. The program is beneficial not only to local people but to a constituency in a rather large area surrounding McPherson.

A limited number of regular college courses are available with residence credit on Monday, Tuesday, and Thursday evenings during the time of the regular academic year. The courses are taught by fully-qualified McPherson College faculty and visiting lecturers. The evening program has enabled many adults to complete their college education by enrolling in a limited number of courses in addition to their regular employment activities.

Summer Term

McPherson College offers a full daytime summer term during the months of June, July, and August. It is possible to earn 12 hours of credit during the summer term. Special workshops supplement the regular college courses. The pleasant campus atmosphere, plus air-conditioned facilities, proves to be a stimulating educational experience for many.

The summer term is designed to aid the student desiring to (a) accelerate his college program, (b) prove his ability to do college work, (c) remove academic deficiencies.

Many public school teachers use the summer term to renew certificates and increase their teaching competency through participation in workshops directed by local and visiting specialists.

Contact the Director of Summer Sessions for additional information.

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 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.

The schedule of courses issued by the Registrar of the College before each term takes precedence over the catalog.

HUMANITIES AREA . . .

ART

- 1 ART APPRECIATION** 3 Hrs.
An introduction to the major forms and purposes of art. A suggested prerequisite to all art courses. Spring (10:30 M.W.F.)
- 2,3 GENERAL DRAWING AND PAINTING** 2 Hrs.
The fundamentals of art in theory and practice using media of pencil, pen and ink, and water color. The year (1:30-3:30 T.Th.) Per term
- 4,5 SECOND YEAR DRAWING AND PAINTING** 2 Hrs.
A course providing additional experience in drawing and painting. Prerequisite: Art 2 and 3. The year (1:30-3:30 T.Th.) Per term
- 5,9 HISTORY OF ART** 2 Hrs.
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 (10:30 T.Th.) Per term
- 25 ART EDUCATION** 3 Hrs.
A study of materials, methods, and techniques used in elementary art education with emphasis upon the child's needs and development. Fall (10:30 M.W.F.)
- 32 INTRODUCTION TO SCULPTURE** 2 Hrs.
The fundamental study of sculpture and bas-relief using wood, plastic, sculp-metal, and clay. Fall (1:30-3:30 M.W.)
- 51, 52 INTRODUCTION TO CERAMICS** 2 Hrs.
An introductory applied study of the making, decorating, and firing of pottery and other clay forms. The year (1:30-3:30 M.W.) Per term
- 57 INTRODUCTION TO OIL PAINTING** 2 Hrs.
The fundamental study of oil painting. Prerequisite: Art 2 or 3. Spring (1:30-3:30 T.Th.)

- 181 ADVANCED CERAMICS** 2 Hrs.
Continued work at the wheel, including glaze and kiln theory, introducing mosaic work. Prerequisite: Art 51 and 52. By appointment.
- 182 ADVANCED SCULPTURE** 2 Hrs.
Continued work with ceramic sculpture and wood carving. Prerequisite: Art 32. By appointment.
- 187 ADVANCED PAINTING** 2 Hrs.
Continued study of oil painting. Prerequisite: Art 57. By appointment.
- 189 SPECIAL ART PROJECTS** 1-8 Hrs.
Advanced work in specialized areas of art. Prerequisite: consent of instructor. By appointment.

ENGLISH, SPEECH, AND THEATRE

Requirements for an English major: a minimum of twenty-four semester hours in composition and literature, including courses 21, 22, 102, 103; 115, 116, or 125; 106, 108, or 112; 124. Courses 1, 2, 3, 4, 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. English-education majors are also required to take 133 or its equivalent as a supporting course.

Composition

- 1-2 WRITTEN COMMUNICATIONS** 2 Hrs.
The fundamentals of composition and their practical application in classroom experiences. The year, Interterm (numerous sections). Per term
- 2-4 ANALYTICAL READING AND WRITING** 2 Hrs.
A course with study directed toward the reading of some of the more significant works in poetry, fiction, drama, and exposition, with the writing of scholarly

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.
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HUMANITIES AREA . . .

ART

- 1 **ART APPRECIATION** 3 Hrs.
An introduction to the major forms and purposes of art. A suggested prerequisite to all art courses. Spring (10:30 M.W.F.)
- 2,3 **GENERAL DRAWING AND PAINTING** 2 Hrs.
The fundamentals of art in theory and practice using media of pencil, pen and ink, and water color. The year (1:30-3:30 T,Th.) Per term
- 4,5 **SECOND YEAR DRAWING AND PAINTING** 2 Hrs.
A course providing additional experience in drawing and painting. Prerequisite: Art 2 and 3. The year (1:30-3:30 T,Th.) Per term
- 6,9 **HISTORY OF ART** 2 Hrs.
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 (10:30 T,Th.) Per term
- 15 **ART EDUCATION** 3 Hrs.
A study of materials, methods, and techniques used in elementary art education with emphasis upon the child's needs and development. Fall (10:30 M.W.F.)
- 32 **INTRODUCTION TO SCULPTURE** 2 Hrs.
The fundamental study of sculpture and bas-relief using wood, plastic, sculp-metal, and clay. Fall (1:30-3:30 M.W.)
- 31,32 **INTRODUCTION TO CERAMICS** 2 Hrs.
An introductory applied study of the making, decorating, and firing of pottery and other clay forms. The year (1:30-3:30 M.W.) Per term
- 37 **INTRODUCTION TO OIL PAINTING** 2 Hrs.
The fundamental study of oil painting. Prerequisite: Art 2 or 3. Spring (1:30-3:30 T,Th.)

- 154 **ADVANCED CERAMICS** 2 Hrs.
Continued work at the wheel, including glaze and kiln theory, introducing mosaic work. Prerequisite: Art 51 and 52. By appointment
- 152 **ADVANCED SCULPTURE** 1 Hrs.
Continued work with ceramic sculpture and wood carving. Prerequisite: Art 32. By appointment.
- 157 **ADVANCED PAINTING** 2 Hrs.
Continued study of oil painting. Prerequisite: Art 57. By appointment.
- 190 **SPECIAL ART PROJECTS** 1-3 Hrs.
Advanced work in specialized areas of art. Prerequisite: consent of instructor. By appointment.

ENGLISH, SPEECH, AND THEATRE

Requirements for an English major: a minimum of twenty-four semester hours in composition and literature including courses 21, 22, 102, 103, 115, 116, or 125, 106, 108, or 112; 124. Courses 1, 2, 3, 4, 7, 16, or 137 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. English education majors are also required to take 133 or its equivalent as a supporting course.

Composition

- 1-3 **WRITTEN COMMUNICATIONS** 3 Hrs.
The fundamentals of composition and their practical application in classroom experiences. The year, Interterm (numerous sections). Per term
- 3-4 **ANALYTICAL READING AND WRITING** 3 Hrs.
A course with study directed toward the reading of some of the more significant works in poetry, fiction, drama, and exposition, with the writing of scholarly

175. **CONTEMPORARY DRAMA** 3 Hrs.
A study of dramas and playwrights which will culminate in a trip to New York to attend productions on Broadway. Interterm.
172. **LANGUAGE ARTS METHODS**
(See Education)
177. **SHAKESPEARE** 3 Hrs.
The life and times of Shakespeare with a study of selected plays. Fall 14-30 Th.1
200. **INDEPENDENT STUDY IN ENGLISH** 1-3 Hrs.
(See regulations governing independent study)

SPEECH AND THEATRE

Requirements for a Speech/Theatre major: a major is offered in the area of Speech and Theatre and requires a minimum of twenty-four semester hours. At least six hours should be in public speaking, discussion, and/or debate and six hours should be in drama and/or literary interpretation. Course 1, Oral Communications, is a prerequisite to all other courses in the speech and theatre area.

An education major should plan to include: 1, 31, 33, 35, 209, 133, and 141. Liberal arts majors should include: 1, 11, 35, 51, and 135.

Related courses required to support a major: a minimum of fifteen semester hours in English, foreign languages, or journalism, with at least six hours in English. Speech-education majors are also required to take English 133 as a supporting course.

NOTE: Students with outstanding backgrounds in speech may petition the Director of Speech Studies for the privilege of being tested in oral communication. Students passing the test may proceed directly into Public Speaking 13.

1. **ORAL COMMUNICATIONS** 3 Hrs.
The study and application of good habits of speech and critical listening, with opportunity to gain skill through guided practice. Fall and Spring (numerous sections).
31. **ARGUMENTATION AND DEBATE** 3 Hrs.
The principles of argumentation with practice in application by written briefs and oral argumentation. Fall (2:30 M.W.F.)
- 20, 128. **PRACTICAL DEBATE** 3 Hrs.
Participation in intercollegiate debate. By appointment.
- 33, 131. **PUBLIC SPEAKING** 3 Hrs.
Emphasis is placed upon the preparation and delivery of various types of speeches with personal help

AREAS AND COURSES OF STUDY

- given to each person. Fall (10:30 T-Th), Spring (10:30 T-Th), alternate years, 1970-71.
94. **GROUP PARTICIPATION AND LEADERSHIP** 3 Hrs.
A study of the functioning of groups with practice in group participation and leadership. Fall (9:30 M.W.F.)
- 48, 148. **STAGECRAFT** 3 Hrs.
A technical theatre course dealing with problems in set design and construction, color coordination, lighting, and general stage maintenance. Spring (2:30 M.W.F.)
20. **THE TECHNIQUE OF ACTING** 3 Hrs.
Introduction to the interpretation, principles, and purposes of drama with attention given to the development of voice, body, mind, and emotion in creating the desired goal of professional performance. Will include laboratory study in some professional situation as funds are available. Interterm.



AREAS AND COURSES OF STUDY

- 158 **CONTEMPORARY DRAMA** 3 Hrs.
A study of dramas and playwrights which will culminate in a trip to New York to attend productions on Broadway. *Interterm*
- 159 **LANGUAGE ARTS METHODS**
(See Education)
- 162 **SHAKESPEARE** 5 Hrs.
The life and times of Shakespeare with a study of selected plays. Fall (4:30 Th.)
- 200 **INDEPENDENT STUDY IN ENGLISH** 1-3 Hrs.
(See regulations governing independent study)

SPEECH AND THEATRE

Requirements for a Speech-Theatre major: a major is offered in the area of Speech and Theatre and requires a minimum of twenty-four semester hours. At least six hours should be in public speaking, discussion, and/or debate and six hours should be in drama and/or literary interpretation. Course 1, Oral Communications, is a prerequisite to all other courses in the speech and theatre area.

An education major should plan to include: 1, 11, 33, 51, 109, 135, and 141. Liberal arts majors should include: 1, 41, 35, 51, and 135.

Related courses required to support a major: a minimum of fifteen semester hours in English, foreign languages, or journalism, with at least six hours in English. Speech-education majors are also required to take English 135 as a supporting course.

NOTE: *Students with outstanding backgrounds in speech may petition the Director of Speech Studies for the privilege of being tested in oral communications. Students passing the test may proceed directly into Public Speaking 33.*

- 1 **ORAL COMMUNICATIONS** 3 Hrs.
The study and application of good habits of speech and critical listening, with opportunity to gain skill through guided practice. Fall and Spring (numerous sections).
- 31 **ARGUMENTATION AND DEBATE** 3 Hrs.
The principles of argumentation with practice in application by written briefs and oral argumentation. Fall (2:30 M.W.F.)
- 20, 120 **PRACTICAL DEBATE** 2 Hrs.
Participation in intercollegiate debate. By appointment.
- 33, 131 **PUBLIC SPEAKING** 3 Hrs.
Emphasis is placed upon the preparation and delivery of various types of speeches with personal help

- given to each person. Fall (10:30 T.Th.), Spring (10:30 T.Th.), alternate years, 1970-71.
- 84 **GROUP PARTICIPATION AND LEADERSHIP** 3 Hrs.
A study of the functioning of groups with practice in group participation and leadership. Fall (9:30 M.W.F.)
- 48, 148 **STAGECRAFT** 3 Hrs.
A technical theatre course dealing with problems in set design and construction, color coordination, lighting, and general stage maintenance. Spring (2:30 M.W.F.)
- 20 **THE TECHNIQUE OF ACTING** 3 Hrs.
Introduction to the interpretation, principles, and purposes of drama with attention given to the development of voice, body, mind, and emotion in creating the desired goal of professional performance. Will include laboratory study in some professional situation as funds are available. *Interterm.*





can be done during the summer. The language instructors have a suggested program of studies which will help the beginning student to plan a sequence of courses meeting all requirements even though he will not be on campus during the junior year. Students with tuition scholarships may apply their junior year scholarship towards their senior year tuition up to 3/4 of the total tuition.

FRENCH

- 41-42 **ELEMENTARY FRENCH** 3 Hrs.
Acquisition of the four skills: hearing, speaking, reading, and writing. French cultural aspects are an integral part of all French courses. Five hours of class and six 1/2-hour laboratory sessions. Year (M.T.W.Th.F. 12:30 and 1:30). Per term
- 43-44 **READING AND CONVERSATION IN FRENCH** 3 Hrs.
Review of elementary French structure, readings, oral practice and conversation. Three hours of class

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- and three 1/2-hour laboratory sessions. Prerequisite: French 42. Year (M.W.F. 10:30). Per term
- 47-48 **FRENCH COMPOSITION** 3 Hrs.
Composition of sentences, paragraphs, letters, stories, and essays. Prerequisite: French 42. Year (T.Th. 10:30). Per term
- 145 **SURVEY COURSE OF FRENCH LITERATURE** 3 Hrs.
A course dealing with French literature from the Middle Ages to 1800 placed in its historical and cultural context. Prerequisite: French 44. Fall (T.Th. 7:30).
- 146 **SURVEY COURSE OF FRENCH LITERATURE** 3 Hrs.
French literature from 1800 to the present placed in its historical and cultural context. Prerequisite: French 44. Spring (T.Th. 7:30).
- 148 **FRENCH SEMINAR** 3 Hrs.
Topic is selected according to the interests of the students. Prerequisite: Junior Year Abroad or consent of instructor. By Appointment.
- 134 **STRUCTURE OF FRENCH** 3 Hrs.
(See Linguistics 134.)

GERMAN

- 51-52 **ELEMENTARY GERMAN** 5 Hrs.
Acquisition of the four skills: hearing, speaking, reading, and writing. German cultural aspects are an integral part of all German courses. Five hours of class and six 1/2-hour laboratory sessions. Year (M.T.W.Th.F. 12:30 and 1:30). Per term
- 53-54 **READING AND CONVERSATION IN GERMAN** 3 Hrs.
Review of elementary German structures, readings, oral practice and conversation. Three hours of class and three 1/2-hour laboratory sessions. Prerequisite: German 52. Year (M.W.F. 10:30). Per term
- 57-58 **GERMAN COMPOSITION** 2 Hrs.
Composition of sentences, paragraphs, letters, stories, and essays. Prerequisite: German 52. Year (T.Th. 10:30). Per term
- 153 **SURVEY COURSE IN GERMAN LITERATURE** 3 Hrs.
A course dealing with German literature from 1740 to 1900 placed in its historical and cultural context. Prerequisite: German 54. Fall (T.Th. 7:30).



can be done during the summer. The language instructors have a suggested program of studies which will help the beginning student to plan a sequence of courses meeting all requirements even though he will not be on campus during the junior year. Students with tuition scholarship may apply their junior year scholarship towards their senior year tuition up to 3/4 of the total tuition.

FRENCH

- 41-42 ELEMENTARY FRENCH** 3 Hrs.
Acquisition of the four skills: hearing, speaking, reading, and writing. French cultural aspects are an integral part of all French courses. Five hours of class and six 1/2-hour laboratory sessions. Year (M.T.W.Th.F. 12:30 and 1:30) Per term
- 43-44 READING AND CONVERSATION IN FRENCH** 3 Hrs.
Review of elementary French structure, readings, oral practice and conversation. Three hours of class

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- and three 1/2-hour laboratory sessions. Prerequisite: French 42. Year (M.W.F. 10:30) Per term
- 47-48 FRENCH COMPOSITION** 3 Hrs.
Composition of sentences, paragraphs, letters, stories, and essays. Prerequisite: French 42. Year (T.Th. 10:30) Per term
- 145 SURVEY COURSE OF FRENCH LITERATURE** 3 Hrs.
A course dealing with French literature from the Middle Ages to 1800 placed in its historical and cultural context. Prerequisite: French 44. Fall (T.Th. 7:30).
- 146 SURVEY COURSE OF FRENCH LITERATURE** 3 Hrs.
French literature from 1800 to the present placed in its historical and cultural context. Prerequisite: French 44. Spring (T.Th. 7:30).
- 148 FRENCH SEMINAR** 3 Hrs.
Topic is selected according to the interests of the students. Prerequisite: Junior Year Abroad or consent of instructor. By Appointment.
- 154 STRUCTURE OF FRENCH** 3 Hrs.
(See Linguistics 134.)

GERMAN

- 51-52 ELEMENTARY GERMAN** 5 Hrs.
Acquisition of the four skills: hearing, speaking, reading, and writing. German cultural aspects are an integral part of all German courses. Five hours of class and six 1/2-hour laboratory sessions. Year (M.T.W.Th.F. 12:30 and 1:30) Per term
- 53-54 READING AND CONVERSATION IN GERMAN** 5 Hrs.
Review of elementary German structures, readings, oral practice and conversation. Three hours of class and three 1/2-hour laboratory sessions. Prerequisite: German 52. Year (M.W.F. 10:30) Per term
- 57-58 GERMAN COMPOSITION** 3 Hrs.
Composition of sentences, paragraphs, letters, stories, and essays. Prerequisite: German 52. Year (T.Th. 10:30) Per term
- 155 SURVEY COURSE IN GERMAN LITERATURE** 3 Hrs.
A course dealing with German literature from 1740 to 1900 placed in its historical and cultural context. Prerequisite: German 54. Fall (T.Th. 7:30).

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- 154 **SURVEY COURSE IN GERMAN LITERATURE** 3 Hrs.
 German literature from 1900 to the present placed in its historical and cultural context. Prerequisite: German 54. Spring (T,Th. 7:30).
- 158 **GERMAN SEMINAR** 3 Hrs.
 Topic is selected according to the interests of the students. Prerequisite: Junior Year Abroad or consent of Instructor. By appointment.
- 154 **STRUCTURE OF GERMAN** 3 Hrs.
 (See Linguistics 134.)

NOTE: German 53, 54, 57, and 58 are required for all German majors and recommended for any student planning a Junior Year Abroad in Germany.

GREEK

- 91-92 **INTRODUCTION TO HELLENISTIC GREEK** 3 Hrs.
 This is the type of Greek which was the common language of the lands around the eastern Mediterranean after the conquest of Alexander the Great and during the time of the Roman Empire. This course will cover basic grammar and will include vocabulary and reading exercises preparatory to reading the Greek New Testament. Not open to Freshman except by special consent of the instructor, alternate years. Offered 1970-71. Year (M,W,F. 3:30). Per term

- 101-102 **HEADINGS IN HELLENISTIC GREEK** 3 Hrs.
 Portions of the Greek New Testament will be read, progressing gradually from easier to more difficult material. Further grammatical information and vocabulary will be introduced. At the option of the class, selections from the Greek Old Testament or from other Christian and non-Christian Hellenistic Greek writings may also be read. Prerequisite: Greek 92, alternate years. Offered 1969-70. Year (M,W,F. 3:30). Per term

SPANISH

- 81-82 **ELEMENTARY SPANISH** 5 Hrs.
 Acquisition of the four skills: hearing, speaking, reading, and writing. Latin American and Spanish cultural aspects are an integral part of all Spanish courses. Five hours of class and six 1/2-hour laboratory sessions. Year (M,T,W,Th,F. 12:30 and 1:30). Per term

- 83-84 **READING AND CONVERSATION IN SPANISH** 3 Hrs.
 Review of elementary Spanish structure, readings, oral practice and conversation. Three hours of class and three 1/2-hour laboratory sessions. Year (M,W. 10:30). Per term
- 87-88 **SPANISH COMPOSITION** 3 Hrs.
 Composition of sentences, paragraphs, letters, stories, and essays. Prerequisite: Spanish 82. Year (T,Th. 10:30). Per term
- 185 **SURVEY COURSE OF SPANISH LITERATURE** 3 Hrs.
 From *El Cid* to the present time. Intensive reading of representative works placed in their historical and cultural context. Prerequisite: Spanish 84. Fall T,Th. 2:30.
- 188 **SURVEY COURSE OF LATIN AMERICAN LITERATURE** 3 Hrs.
 Representative readings from the journals of the earliest Spanish explorers to contemporary authors. Prerequisite: Spanish 84. Spring (T,Th. 2:30).
- 188 **SPANISH SEMINAR** 3 Hrs.
 Topic is selected according to the interests of the students. Prerequisite: Junior Year Abroad or consent of the instructor. By appointment.
- 154 **STRUCTURE OF SPANISH** 3 Hrs.
 (See Linguistics 134.)
- 186 **INTERTERM IN MEXICO** 4 Hrs.
 Four weeks of study in Mexico to increase the fluency of Spanish students and to enrich their knowledge of the culture of a Spanish-speaking country. Prerequisite: 2 years of high school or one year of college Spanish or current enrollment in a Spanish course at an ACCC college.

NOTE: Spanish 83, 84, 87, and 88 are required for all Spanish majors and recommended for any student planning a Junior Year Abroad in a Spanish speaking country.

LINGUISTICS

The courses in Linguistics are designed to introduce students to methods of analysis and comparison of languages. Any educated man benefits from a better understanding of the structure and development of language. Students who expect to be scholars and teachers of anthropology, folklore, library science, literature, or philosophy will find a background in linguistics invaluable. Students planning to teach English or foreign languages will discover that more and more texts are based on a linguistic approach

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and will find a basic understanding of Linguistics a necessary.

31. **THE NATURE OF LANGUAGE** 3 Hrs.
A study of the characteristics of language and of language diversity, including sounds, structure, symbolic nature, relation to culture and linguistic change. Spring (T.Th. 10:30) (M.W.F. 11:30).
37. 132 **LINGUISTICS** 3 Hrs.
Continuation of Linguistics 31. Further study of the basic linguistic concepts: phonetics, phonemics, morphology and syntax. Discussion of linguistics and related fields and the use of linguistics. Partial analysis of a language unfamiliar to all students. Prerequisite: Linguistics 31. Fall (T.Th. 10:30).
134. **STRUCTURE OF THE LANGUAGE** 3 Hrs.
The systematic analysis of the phonology, morphology and syntax of French, German, or Spanish from the standpoint of structure, historical and contrastive linguistics. Arranged by appointment with major instructor or Interterm. Prerequisite: Linguistics 32 or consent of the instructor.
139. **METHODOLOGY OF FOREIGN LANGUAGE TEACHING** 3 Hrs.
Methods of teaching the language based on a contrastive study of the structures of English and the foreign language. Extensive outside reading, reports on textbooks, discussion of various teaching aids and media. Interterm.

MUSIC

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

- 16 hours Major Applied area, including a full graduation recital
- 13 hours Music Theory
- 4 hours Piano for the non-piano major
- 6 hours Music History
- 2 hours Music Ensemble
- 3 hours Electives in music
- 44 hours total minimum

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

VOICE-CHORAL EMPHASIS

- 14 hours Voice
- 16 hours Music Theory
- 4 hours Piano and the passing of the piano proficiency examination



- 6 hours Music History
- 1 hour Conducting
- 3 hours Public School Music Methods
- 2 hours Instrumental Methods
- 4 hours Applied Elective
- 5 hours Choral Techniques
- 1 hour Choral Arranging
- 2 hours Vocal Ensemble
- 1 hour Instrumental Ensemble

62 hours total minimum

BAND-ORCHESTRA EMPHASIS

- 14 hours Major Applied Instrument
- 16 hours Music Theory
- 4 hours Piano and the passing of the piano proficiency examination
- 6 hours Music History
- 3 hours Conducting
- 3 hours Public School Music Methods
- 8 hours Instrumental Methods
- 2 hours Applied Elective
- 2 hours Voice
- 1 hour Instrumentation

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- 2 hours Instrumental Ensemble
- 1 hour Vocal Ensemble

62 hours total minimum

KEYBOARD-BAND-ORCHESTRA EMPHASIS

- 14 hours Piano and/or Organ
- 16 hours Music Theory
- 6 hours Music History
- 3 hours Conducting
- 3 hours Public School Music Methods
- 6 hours Instrumental Methods
- 8 hours Applied Second Instrument
- 2 hours Voice
- 2 hours Instrumental Ensemble
- 1 hour Vocal Ensemble
- 1 hour Instrumentation

62 hours total minimum

KEYBOARD-VOICE-CHORAL EMPHASIS

- 14 hours Piano and/or Organ
- 16 hours Music Theory
- 6 hours Music History
- 3 hours Conducting
- 3 hours Public School Music Methods
- 4 hours Instrumental Methods
- 8 hours Voice
- 3 hours Choral Techniques
- 3 hours Vocal Ensemble
- 1 hour Instrumental Ensemble
- 1 hour Choral Arranging

62 hours total minimum

The 14-hour Major Applied requirement for the B.S. degree in Music Education may be modified by the Music Faculty in special cases.

A half graduation recital is required for the B.S. degree in Music Education. The course in Counterpoint is recommended as an elective.

General Music Requirements: APPLIED MUSIC—All music majors should be enrolled in some area of applied music study during each term of college.

Recitals—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.

Piano Proficiency Examination—Because the piano serves as a fundamental music instrument, all music majors are required to take at least one year of piano and to pass the piano proficiency test before graduation. This examination will be given three times a year: at the beginning of the

fall and spring terms and at the end of the spring term. The faculty committee which will administer the examination will consist of the head of the music department, a member of the piano faculty, and at least one other music faculty member. The proficiency examination will consist of

1. performance of a prepared piano solo;
2. improvisation of an accompaniment to a given melody;
3. performance of several common patriotic and contemporary songs;
4. major and minor scales;
5. sight-reading of hymn, simple chorale, or choral accompaniment.

Applied Music

NOTE: In order to qualify for upper level credit in any applied music the student must have studied at the college level for three terms and display an advanced proficiency.

- 18, 48 CLASS PIANO** **1 Hr.**
 A beginning course in piano playing, designed especially for the non-music major. The year (10-30 MI)
 Offered on demand Per term



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54. 151 **PIANO** 2 Hrs.
One lesson weekly. By appointment. Per term
52. 152 **VOICE** 2 Hrs.
One lesson weekly. By appointment. Prerequisite: Beginning Voice Class at consent of the instructor. Per term

NOTE: 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 accompaniment.

53. 153 **PIPE ORGAN** 2 Hrs.
One lesson weekly. By appointment. Prerequisite: Adequate piano ability, determined by conference with the organ instructor. Per term

54. 154 **BRASS** 2 Hrs.
One lesson weekly. By appointment. Per term
NOTE: When enrolling indicate specific instrument.

55. 155 **WOODWINDS** 2 Hrs.
One lesson weekly. By appointment. Per term
NOTE: When enrolling indicate specific instrument.

56. 156 **STRING** 2 Hrs.
One lesson weekly. By appointment. Per term
NOTE: When enrolling indicate specific instrument.

57. 157 **PERCUSSION** 2 Hrs.
One lesson weekly. By appointment. Per term
NOTE: When enrolling indicate specific instrument.

- 161 **PIANO METHODS AND MATERIALS** 2 Hrs.
A review of both the established and new piano teaching materials, methods and techniques along with a survey of the standard piano literature. Prerequisite: two years of piano study. Spring. By appointment.

- 163 **ORGAN METHODS AND MATERIALS** 1-2 Hrs.
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

- 70 **MUSIC APPRECIATION** 3 Hrs.
A non-technical course designed to establish a foundation in the enjoyment and appreciation of music

through recordings and outside reading. Spring (8:30 M.W.F.), Interterm.

- 72 **MUSIC TO 1750** 3 Hrs.
A course designed to acquaint the student with the evolution of musical style, commencing with early Christian monody and concluding with music of the Baroque era. Attention is given to social changes affecting the course of musical history. Prerequisite: consent of instructor. Fall (2:30 T.Th.), alternate years, 1970.

- 76 **CHURCH MUSIC** 2 Hrs.
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 and Spring (8:30 M.W.). Offered on demand.

- 173 **MUSIC FROM 1750** 3 Hrs.
A course designed to acquaint the student with evolutionary trends in musical history from the Mannheim School to the most recent innovations in musical composition. Special attention is given to the patterns of social change affecting the course of musical history. Prerequisite: consent of instructor. Spring (2:30 T.Th.), alternate years, 1971.

- 176 **THEORY AND PRACTICE OF CHURCH MUSIC** 2 Hrs.
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 and Spring (8:30 M.W.). Offered on demand.

Music Education

- 74 **MUSIC IN THE ELEMENTARY SCHOOL** 3 Hrs.
Emphasis is placed upon effective methods for teaching elementary school children. The philosophy and purposes of elementary school music are stressed. Students are given opportunities to review materials and to observe music classes in the elementary schools of each grade level. Prerequisite: the ability to read music. Fall (9:30 M.W.F.).

- 75 **FUNDAMENTALS OF CONDUCTING** 3 Hrs.
The study and practice of the fundamental techniques of conducting as applied to song leading, choral and instrumental directing. Fall (8:30 M.W.F.), alternate years, 1969.

- 78 **INSTRUMENTAL METHODS: BRASS** 2 Hrs.
An introductory study of the techniques of playing and teaching brass instruments at the public school level, with emphasis on a practical knowledge of materials, fingerings, tone production, and care of

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- brass instruments. Spring (10:30 T.Th.), alternate years, 1970.
- 81 **INSTRUMENTAL METHODS: WOODWINDS** 2 Hrs.
An introductory study of the techniques of playing and teaching woodwind instruments at the public school level, with emphasis on a practical knowledge of materials, fingerings, tone production, and care of woodwind instruments. Spring (10:30 T.Th.), alternate years, 1971.
- 82 **INSTRUMENTAL METHODS: STRINGS** 2 Hrs.
An introductory study of the violin, viola, cello, and string bass with emphasis on the teaching of beginners in the public school. Fall (10:30 T.Th.), alternate years, 1970.
- 83 **INSTRUMENTAL METHODS: PERCUSSION AND BAND** 2 Hrs.
An introductory study of the techniques of playing and teaching the snare drum, bass drum, cymbals, timpani, and the percussion traps. Techniques and materials for marching and concert band will also be investigated. Fall (10:30 T.Th.), alternate years, 1969.
- 104 **PUBLIC SCHOOL MUSIC METHODS** 3 Hrs.
(See Education.)
- 106 **CHORAL TECHNIQUES AND REPERTOIRE** 3 Hrs.
A study of the basic technical aspects of organizing and conducting choral groups, along with the review of repertoire suitable for school and church choirs. Prerequisite: Fundamentals of Conducting. By appointment.
- 108 **PROBLEMS IN MUSIC** 1-3 Hrs.
Advanced study of special topics in the field of music. Prerequisite: Consent of the instructor. By appointment.

Theory of Music

- 12-13 **MUSIC THEORY** 5 Hrs.
A course in the materials and elements of music, including scales, intervals, part writing, sight singing, ear training, and dictation. The year (10:30 M.-F.). Per term
- 14-15 **MUSIC THEORY** 3 Hrs.
Continued work in music theory including transitions, modulations, altered chords, advanced sight singing, ear training, and harmonic dictation. Prerequisite: Music Theory 13. The year (1:30 M.W.F.). Per term

- 104 **COMINTERPOINT** 3 Hrs.
A study of contrapuntal techniques in composition and analysis of the elements of structure, form, and design in music. Prerequisite: Music Theory 15. Spring (2:30 M.W.F.), alternate years, 1970.
- 110 **CHORAL ARRANGING** 1-3 Hrs.
The study and practice of the methods and techniques of arranging and scoring for vocal ensembles, glee club, or chorus, with reference to manuscript preparation and editing. Prerequisite: Music Theory 15. By appointment.
- 120 **INSTRUMENTATION** 1-3 Hrs.
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. Per term

Organizations and Ensembles

Musical Organizations and Ensembles: Ensemble credit may be secured in the following organizations: A Cappella Choir, Chamber Choir, Band, Orchestra, Small Instrumental and Vocal 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 term 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 week 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 reconsidered for membership in the new organizations. The questionnaires may be secured from the Registrar's Office or from the Music Department during enrollment week in the fall term. They should be filled out carefully and turned in to the respective ensemble directors by the end of the first week of school.

- 91 **A CAPPELLA CHOIR** 1 Hr.
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 terms of the school year. The year (1:30 M.W.F.).

86 **BAND** 1 Hr.

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 M.W.F.).

87 **CHAMBER CHOIR** ½ Hr.

The Chamber Choir is made up of the overflow of singers who cannot be used in the limited ranks of the A Cappella Choir, or who do not have time for the more ambitious schedule of choral activities. It is open to qualified singers upon application to the director. Occasionally, the Chamber Choir and A Cappella Choir join in the performance of major choral works and special musical productions. The year (3:30 T.Th.).

88 **ORCHESTRA** 1 Hr.

The ACCC Symphony 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 (Sat. 9:00 a.m.).

89 **SMALL INSTRUMENTAL ENSEMBLES** 1 Hr.

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

90 **SMALL VOCAL ENSEMBLES** 1 Hr.

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, 37 or 40, 153 or 154, 157, 158, Courses 27, 28, 32, 91-92, 101-102, 152 cannot be counted in this twenty-four hour minimum



Other courses will be chosen by the student in consultation with a professor in the department.

Philosophy

37 **INTRODUCTION TO PHILOSOPHY** 3 Hrs.

A course designed to introduce the student to the nature of philosophical thinking. Some of the traditional problems in the history of thought will be considered and an effort will be made to view various alternative methods of solving these problems. Spring (8:30 M.W.F.; 1:30 M.W.F.).

40 **LOGIC** 2 Hrs.

A study of the principles and procedures of sound

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reasoning as developed in both traditional and contemporary thought. The basic emphasis in the course will be on the development of the ability to analyze the logical structure of arguments as a useful skill. Fall (10 M.W.F., 1:30 M.W.F.)

135 LANGUAGE AND THOUGHT 3 Hrs.
(See *Speech and Destiny*)

137 GREEK AND MEDIEVAL PHILOSOPHY 3 Hrs.
A critical study of philosophical thought from the pre-Socratic philosophers to William of Occam. Special emphasis will be placed upon the works of Plato, Aristotle, Augustine, and Aquinas. Fall (2:30 M.W.F.)

138 EARLY MODERN PHILOSOPHY 3 Hrs.
A critical study of some of the leading figures in the Western philosophical tradition from the sixteenth to the early nineteenth centuries. The course will include the reading of selections from the works of Bacon, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, and Hegel. Spring (2:30 M.W.F.)

163 CONTEMPORARY PHILOSOPHY 3 Hrs.
A study of representative philosophers from the nineteenth and twentieth centuries. The course will use primary source materials in order to give the student a first-hand acquaintance with the men studied. Emphasis will be placed on evaluation of ideas as well as clarity of understanding. The men studied will vary from year to year. Topics for 1968-69: Hegel, Marx, Nietzsche, Husserl, Peirce, Bergson. Spring (1:30 T.Th.), alternate years, 1971.

164 PROBLEMS OF KNOWLEDGE 3 Hrs.
This course will be a study in depth of some aspect of the foundations for knowing. An attempt will be made to show what knowledge means in a given area of experience such as art, science, religion, or history. The study will proceed topically and will be concerned with such questions as the object of knowledge, the method of knowing, the purpose of knowing, and the limits of a particular method. The areas of study will vary from year to year. Topics for 1969-70: philosophy of history. Spring (1:30 T.Th.), alternate years, 1970.

Bible

51 OLD TESTAMENT LIFE AND LITERATURE 3 Hrs.
A survey of the history, literature and religion of ancient Israel using selected portions of the Old Testament as primary sources. The course will intro-

duce students to the methods and results of modern critical scholarship and will encourage the development of independent judgments concerning the religious value of the Old Testament. Fall (10:30 M.W.) 1:30 M.W.F.)

22 NEW TESTAMENT LIFE AND LITERATURE 3 Hrs.

A survey of the history, literature and religious thought of early Christians using the New Testament as a primary source. The course will introduce students to the methods and results of modern critical scholarship and will encourage the development of independent judgments concerning the religious value of the New Testament. Spring (10:30 M.W.F., 1:30 M.W.F.)

81-82 INTRODUCTION TO HELLENISTIC GREEK 3 Hrs.
(See *Foreign Languages*) Per term

101-102 READINGS IN HELLENISTIC GREEK 3 Hrs.
(See *Foreign Languages*) Per term

108 PROPHETS OF THE OLD TESTAMENT 3 Hrs.
A study of the prophetic movement and literature of ancient Israel using the prophetic books of the Old Testament as primary sources. The course will deal with these books in terms of modern critical scholarship and will include a consideration of such problems as the psychological and religious experiences of the prophets, their social and political views, and their religious and ethical thought. Spring (1:00 T.Th.), alternate years, 1971.

111 LIFE AND TEACHINGS OF JESUS 3 Hrs.
A study of the life, teachings, and religious significance of Jesus as set forth in the four gospels. The course will also consider the historical setting, literary structure, and distinctive emphasis of each gospel as understood in the light of modern biblical scholarship. Varying from year to year, one of the gospels or some other special topic may be selected for study in depth. Fall (1:30 M.W.) 1, alternate years, 1969.

116 LIFE AND THOUGHT OF PAUL 3 Hrs.
A study of the life of Paul and his interpretation of the Christian faith using his letters and the book of Acts as primary sources. The major themes of Paul's thought will be studied against the historical and religious background of early Christianity, Judaism and the Graeco-Roman world as seen in the light of modern biblical scholarship. Varying from year to year, one or more of Paul's letters or some other

special topic may be selected for study in depth Fall 18:30 M-W-F, alternate years, 1970

- 125 **PSALMS AND WINDOM LITERATURE** 3 Hrs.
A study of ancient Israelite thought and religious faith using the Old Testament books of Psalms, Proverbs, Job, Ecclesiastes, and the Song of Solomon as primary sources. The course will treat these books in the light of modern critical scholarship in order to discover their function in the cultural and religious life of ancient Israel and to evaluate their enduring literary and religious significance. Spring 11:30 T-Th, alternate years, 1970

Religion

- 21 **BRETHREN HISTORY AND THOUGHT** 3 Hrs.
A study of the origin and history of the Brethren including a treatment of their traditional beliefs and practices and the major contemporary issues confronting them. Spring 12:30 M-W-F, alternate years, 1971

- 41 **WORLD RELIGIONS** 3 Hrs.
A critical survey of the major non-Western religions of the world such as Hinduism, Buddhism, Taoism, Confucianism, Zoroastrianism and Islam in an attempt to understand the distinctive character of each and their possible contributions to one's own thought. *Interim*

- 133 **EARLY CHRISTIAN THOUGHT** 3 Hrs.
A critical study of selected classics of Christian thought from such men as Origen, Augustine, Ambrose, Aquinas, Luther and Calvin. This will be a discussion type course based entirely upon the reading of primary sources. Students will be encouraged to discover and evaluate for themselves the major ideas and concepts of the writings selected. Fall 13:00 T-Th, alternate years, 1969

- 154 **MODERN CHRISTIAN THOUGHT** 5 Hrs.
A critical study of selected classics of Christian thought from the eighteenth century to the present from such men as Kant, Schleiermacher, Kierkegaard, Barth, Bultmann, Tillich, Bonhoeffer, or others varying from year to year. This will be a discussion course based entirely upon the reading of primary sources. Students will be encouraged to discover and evaluate for themselves the major ideas and concepts of the writings selected. Fall 13:00 T-Th, alternate years, 1970

Christian Education and Ministry

- 22 **CHRISTIAN EDUCATION OF CHILDREN** 2 Hrs.
A course dealing with the theory and methods of working with children in the church. Spring (evening) alternate years, 1970

- 28 **CHRISTIAN EDUCATION OF YOUTH AND ADULTS** 2 Hrs.
A study of ways of communicating the Christian faith to youth and adults. This course includes all areas of the church's educational program for these age groups. Spring (evening) alternate years, 1971

- 32, 152 **THE CHRISTIAN MINISTRY** 3 Hrs.
A seminar type course designed to introduce students to the nature and work of the Christian ministers. Students will be encouraged to explore the meaning of ministry as a vocation and the diverse forms of ministry which are emerging in the contemporary world. (On demand by appointment)

Unclassified

- 160 **SEMINAR ON RELIGION AND SCIENCE** 1 Hr.
Reading and discussion aimed at comparing and testing the concepts and methods of natural science with those of religion. Conducted by a group of faculty members representing both the department of philosophy and religion and the natural sciences area. Enrollment by permission of the instructor. (On demand by appointment)

- 180, 180 **PROBLEMS IN PHILOSOPHY OR RELIGION** 1-3 Hrs.
Advanced study of special topics in philosophy or religion. Prerequisite: 12 credits in philosophy and religion, a cumulative grade point average of 3.0 or above, and consent of the instructor. (On demand by appointment)

Greek

- 91-92 **INTRODUCTION TO HELLENISTIC GREEK** 3 Hrs.
This is the type 3 Greek which was the common language of the lands around the eastern Mediterranean after the conquests of Alexander the Great and during the time of the Roman Empire. This course will cover basic grammar and will include vocabulary and reading exercises preparatory to reading the Greek New Testament. Not open to

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Freshman except by consent of the instructor. The year (M.W.F., 3:30), alternate years, 1969-70.

Per term

101-102 READINGS IN HELLENISTIC GREEK 3 Hrs.

Portions of the Greek New Testament will be read, progressing gradually from easier to more difficult

material. Further grammatical information and vocabulary will be introduced. At the option of the class, selections from the Greek Old Testament or from other Christian and non-Christian Hellenistic Greek writings may also be read. Prerequisite: Greek 92. The year (M.W.F., 3:30), alternate years (1970-71). Per term

NATURAL SCIENCES AREA . . .

BIOLOGY

Requirements for a major: a minimum of twenty-four semester hours including either courses 1, 50, 52, 55 or 105, 116, 183 and 187, or courses 1, 60, 70 or 120, 112, 116, 183, and 187.

Related supporting courses required: Chemistry 11, either Chemistry 54 or 111, and Physics 3 and 4.

NOTE: Biology 1 is a prerequisite for all other courses in the Biology Department. However, students with outstanding backgrounds in biology as verified by tests administered by the department will be allowed to proceed directly to more advanced courses without enrollment in Biology 1.

- 1 GENERAL BIOLOGY 4 Hrs.**
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 class hours and two hours laboratory. Fall (7:30 M.W.F. - 8:30 M.W.F.).
- 2 HUMAN BIOLOGY 4 Hrs.**
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 class hours and two hours laboratory. Spring (10:30 M.W.F.), Interterm.
- 3 GENERAL BOTANY 4 Hrs.**
The structure, physiology, development and evolu-

tion of plants. Representatives of each division of the plant kingdom are studied but emphasis is placed on the seed plants. A course designed for students not majoring in biology. Three class hours and three hours laboratory. Spring (10:30 T.Th., Laboratory 1:30 M.).

- 10 HONORS READINGS IN GENERAL BIOLOGY 1 Hr.**
Advanced readings and discussions for selected students enrolled concurrently in Biology 1. The course is open only to those chosen by the instructors on the basis of high school work in biology, college entrance examination scores or special tests. Fall (2:00 Th.).
- 34 MICROBIOLOGY 4 Hrs.**
A study of microorganisms, with emphasis on the bacteria. A consideration of their structure, metabolism, classification, identification and relation to man. Three class hours and three hours laboratory. Prerequisite: Chemistry 11 or consent of the instructor. Fall (9:30 M.W.F., Laboratory 12:30 W.).
- 38 VERTEBRATE STRUCTURE AND EVOLUTION 5 Hrs.**
Evolutionary processes and mechanisms and the methods and principles of classification are considered in association with a comparative study of the structure, classification and aspects of the general biology of the vertebrates. The origin of vertebrate diversity through evolutionary processes is emphasized. Three class hours and six hours of laboratory. Fall (7:30 T.Th., Laboratory 1:30-1:20 M.W.F.).

AREAS AND COURSES OF STUDY

12. **VERTEBRATE PHYSIOLOGY** 4 Hrs.
A study of the physiology of the systems, organs and tissues of the vertebrate body. Vertebrate anatomy is involved only to the extent necessary to deal with the structural basis for function. This course is not open to students who have taken Biology 2. Three class hours and three hours of laboratory. Prerequisite: Chemistry 11 or consent of instructor. Spring (7:30 M.W.F., Laboratory 1:30-4:20 W or Th.)
33. 105 **INVERTEBRATE ZOOLOGY** 4 Hrs.
A comparative study of the invertebrate phyla, including their anatomy, physiology, reproduction and development, ecology and classification. Three class hours and three hours laboratory. Spring (9:30 M.W.F.), alternate years, 1971.
98. **PLANT PHYSIOLOGY** 4 Hrs.
The physiological processes of plants. Principles of absorption, conduction, transpiration, growth and reproduction. Prerequisite: Chemistry 11, or consent of instructor. Three class hours and three hours laboratory. Spring (7:30 M.W.F., Laboratory 1:30-4:20 W.)
- 76, 110 **NONVASCULAR PLANTS** 4 Hrs.
The morphology, development, reproduction and evolution of nonvascular plants. Emphasis is on the algae, fungi and bryophytes. Three class hours and three hours laboratory. Field trips required. Spring (7:30 T.Th., Laboratory 1:30-4:20 F.), alternate years, 1970.
- 109 **ANIMAL DEVELOPMENT** 4 Hrs.
A study of the processes and patterns associated with animal reproduction and development. The course introduces the student to basic descriptive embryology, comparative embryology and experimental embryology. Two class hours and six hours of laboratory. Fall (10:40 T.Th., Laboratory 1:30-4:20 T.), alternate years, 1959.
- 112 **PLANT ANATOMY AND DEVELOPMENT** 4 Hrs.
A developmental study of the anatomy and reproduction in vascular plants, with emphasis on the seed plants. Internal and external factors influencing development will be considered. Two class hours and six hours laboratory. Spring (7:30 T.Th., Laboratory 1:30-4:20 F.), alternate years, 1971. Inter-term.
- 116 **ECOLOGY** 4 Hrs.
A study of the relationships between organisms and their environments, including both physical and biotic environments. The course includes both lab-



oratory and field work. Three class hours and three hours laboratory. Spring (9:30 M.W.F., Laboratory or field trips, 1:30-4:20 T., continuing later for some field trips), alternate years, 1970.

- 163 **CELL BIOLOGY** 4 Hrs.
A study of cell structure and function. The course includes topics in molecular biology, biochemistry and cell physiology. The laboratory consists of cytological observations and techniques and an introduction to molecular biological techniques. Two class hours and six hours laboratory. Fall (10:30 T.Th., Laboratory 1:30-4:20 T.), alternate years, 1970.
- 183 **GENETICS** 4 Hrs.
A study of the principles of heredity and the future and action of genes. Three class hours and three hours laboratory. Fall (9:40 M.W.F., Laboratory 10:30 Th.)
- 187 **SEMINAR IN BIOLOGY** 1 Hr.
Presentation and discussion of advanced topics and current research trends. Students expecting to enroll in seminar in the spring must be in consultation

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during the fall semester with the instructors about their plans and preparation for the seminar. Prerequisite: enrollees must be majoring in biology or must obtain the consent of the instructor. Spring enrollment; seminar meetings distributed throughout the year 17:00 p.m., M.)

- 190 **PROBLEMS IN BIOLOGY** 1-3 Hrs.
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 11, 12, 55, 56, 111 or 112, and others that seem desirable for the student's future plans. More than twenty-four hours are recommended for students planning on going on to graduate school.

Related supporting courses required: At least eight hours in Mathematics and eight hours in Physics.

Recommended courses are: Chemistry 152, 161 and 162, Physics 121 and Calculus.

Students with outstanding backgrounds in chemistry as verified by a test given by the department during enrollment may proceed to more advanced courses without enrollment in College Chemistry 11.

- 11 **COLLEGE CHEMISTRY** 4 Hrs.
A study of the principles of chemistry, the periodic table and modern atomic structure, as a basis for the systematic study of the properties of the elements. Class sessions three hours, laboratory two hours. Fall (10:30 T-Th.), Laboratory one section: (1:30-3:40 M., 3:30-5:30 M., 1:30-3:30 T., 3:30-5:30 T.)

- 12 **INORGANIC CHEMISTRY** 3 Hrs.
A study of the chemistry of the metals and non-metals. This is a continuation of chemistry 11 and should be taken the same year, if possible. Most students should also enroll in chemistry 14 concurrently with chemistry 12. Three class hours. Spring (10:30 T-Th.).

- 14 **QUALITATIVE ANALYSIS** 2 Hrs.
This is a comparison course to Chemistry 12 and should be taken at the same time. A study of the theory and practice of qualitative analysis with emphasis on the theory of the mass law and chemical equilibrium. One class session, laboratory six hours. Spring (12:30 T.), Laboratory as arranged.

- 31 **ELECTROCHEMISTRY** 2 Hrs.
A study of the principles of voltaic and galvanic

cells, electrolytic cells, electrolysis and electrodeposition. Class session two hours. Prerequisite: Chemistry 11. Fall (10:30 T-Th.).

- 34 **INTRODUCTORY ORGANIC CHEMISTRY** 4 Hrs.
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 considered. Class session three hours, laboratory two hours. Prerequisite: Chemistry 11. Spring (8:30 M.W.F.), Laboratory (1:30-5:20 M.).

- 35 **QUANTITATIVE ANALYSIS** 4 Hrs.
A study of the principles and practice in gravimetric and volumetric analysis. Class session two hours, laboratory six hours. Prerequisite: Chemistry 11. Fall (7:30 T-Th.), Laboratory (1:30 Th.).

- 36 **QUANTITATIVE ANALYSIS** 6 Hrs.
A study of the principles and practice in volumetric, electrochemical, colorimetric, and other methods of analysis. Class session two hours, laboratory nine hours. Prerequisite: Chemistry 55. Spring (7:30 T-Th.), Laboratory (1:30 T-Th.).

- 111 **ORGANIC CHEMISTRY** 4 Hrs.
A study of the more important groups of organic compounds, both aliphatic and aromatic. Class session three hours, laboratory three hours. Prerequisite: Chemistry 12. Fall (8:30 M.W.F.), Laboratory (1:30-4:20 Th.), alternate years, 1970.

- 112 **ORGANIC CHEMISTRY** 4 Hrs.
Advanced study of the principles of organic chemistry with emphasis on the mechanisms of reactions and organic synthesis. Class session three hours, laboratory three hours. Prerequisite: Chemistry 111 (or 54 and consent of instructor). Spring (11:30 M.W.F.), Laboratory (1:30-4:20 Th.), alternate years, 1971.

- 132 **CHEMICAL PREPARATIONS** 1-3 Hrs.
Laboratory work in the preparation of either inorganic or organic compounds suited to the student's need. Laboratory three or six hours. Prerequisite: courses in either organic or inorganic chemistry and the consent of the instructor. By appointment.

- 132 **ADVANCED INORGANIC CHEMISTRY** 8 Hrs.
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 complexions and the less common elements. Class session three hours. Prerequisite: Chemistry 12 and 54 or 55. Fall (10:30 M.W.F.), alternate years, 1970.

TOPICS AND COURSES OF STUDY

141-165 PHYSICAL CHEMISTRY 4 Hrs.
A study of the physical chemical properties of matter including thermodynamics, kinetic theory, electrochemistry, and other areas of physical chemistry. Class session three hours, laboratory three hours. Prerequisite: thirteen hours of chemistry and Mathematics 51-52. The year (8:30 M.W.F.), alternate years, 1969-70. Per term

168 PROBLEMS IN CHEMISTRY 1-2 Hrs.
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 from courses numbered 51 and above.

Related supporting courses: A year of Physics (Physics 5-6 recommended) and a year of either Chemistry or Economics and Business Administration.

Students who have an adequate background in algebra and trigonometry as verified by tests administered by the McPherson Mathematics Department may begin their study of mathematics with Analytic Geometry and Calculus I (Math 51) or perhaps further in the sequence.

1 PRINCIPLES OF ARITHMETIC 3 Hrs.
History, sets, relations, binary operations, and analysis of arithmetic computation. (A modern math course for elementary teachers. Not open to students with credit in algebra equivalent to Math 7.) Fall (2:30 W.M.F.).

3 ELEMENTARY ALGEBRA 3 Hrs.
The algebra normally covered through the first semester in second year high school algebra. Factoring, linear equations, logarithms, exponents, and radicals. Prerequisite: 1 year H. S. Algebra. Inter-term.

4 STRUCTURAL CONCEPTS 3 Hrs.
Structure of the number system, modern topics in geometry, algebra, number theory, and logic. (A modern math course for all prospective elementary teachers). Prerequisite: Mathematics 1 or sufficient math background evidenced by transcript and/or tests. Spring (2:30 M.W.F.).

7 ALGEBRA AND TRIGONOMETRY 5 Hrs.
A study of elementary functions, their graphs and applications, including polynomials, rational and algebraic functions, exponential, logarithmic and trig-

onometric functions, quadratic equations, systems of equations, the rudiments of plane analytic geometry; and arithmetic and geometric progressions. Prerequisite: Mathematics 3 or its equivalent. Fall (7:30-5:15) and Spring (10:30 M.F.).

54-55 ANALYTIC GEOMETRY AND CALCULUS I, II 4 Hrs.
Functions, limits, graphs, differentiation and integration of algebraic and transcendental functions, applications, area, volume, and polar coordinates. Prerequisite: Mathematics 7. The year (12:30 M.F.) (I, II). Per term

60, 160 FOUNDATIONS OF MATHEMATICS 3 Hrs.
A study of set theory, logic, and the axiomatic method in mathematics. Prerequisite: Mathematics 51 or consent of instructor. Inter-term.

72 STATISTICS I 3 Hrs.
Mathematical theory of probability, mathematical models, testing, hypotheses, frequency distribution, correlation, and regression. Terminology and basic theory will be stressed. This course is for students majoring in any field where statistics might be used. Fall (9:30 M.W.F.), alternate years, 1970. Prerequisite: Mathematics 3 or equivalent (more math recommended).

81, 101 ANALYTIC GEOMETRY AND CALCULUS III 4 Hrs.
(Continuation of differentiation and integration. Infinite series, solid analytic geometry, partial differentiation, multiple integrals. Prerequisite: Mathematics 52. Fall (7:30 M.T.H.F.).

96, 120 DIFFERENTIAL EQUATIONS 3 Hrs.
Method of solving ordinary and partial differential equations with applications to problems of science. Prerequisite: Math 91 or 101. Spring (11:30 M.W.F.).

141 COLLEGE GEOMETRY 5 Hrs.
Foundations of plane and solid geometry with both metric and synthetic approach. Non-Euclidean geometries are studied. Prerequisite: MA 51. Fall (8:30 M.W.F.), alternate years, 1969.

142 PROJECTIVE GEOMETRY 4 Hrs.
Projective geometry in two and three dimensions. Prerequisite: Math 141. Spring (8:30 M.W.F.), alternate years, 1970.

175 ALGEBRA I 3 Hrs.
Theory of matrices and linear algebra. Prerequisite: Math 51. Fall (9:30 M.W.F.), alternate years, 1969.

M c P H E R S O N C O L L E G E

- 176 **ALGEBRA II** 3 Hrs.
General algebraic systems, groups, rings, and fields. Prerequisite: Math 175 or consent of instructor. Spring (9:30 M.W.F.), alternate years, 1970.
- 179 **STATISTICS II** 3 Hrs.
Continuation of Statistics I. Prerequisite: Statistics I and Mathematics 51. Spring (9:30 M.W.F.), alternate years, 1971.
- 181 **ANALYSIS** 5 Hrs.
Calculus of functions of one and of several variables, partial differentiation, integrals, and series. Prerequisite: Mathematics 96 or 130. Spring (7:30 M.T.H.F.), alternate years, 1971.
- 189 **PROBLEMS IN MATHEMATICS** 1-3 Hrs.
Advanced study of special topics in mathematics. Prerequisite: consent of instructor. By appointment.

PHYSICS

Requirements for a major: a minimum of twenty-four semester hours including 5, 6, 101, and 104.

Related supporting courses: Mathematics 51, 52, 101, 130, and 180 and Chemistry 11 and 12.

- 5 **GENERAL PHYSICS** 4 Hrs.
A study of physics from the viewpoint of the science major who will expect to use the ideas and concepts but will not work directly in the field of physics. The subject matter studied will be mechanics, heat, and optics with emphasis on conservation laws, symmetry, concept development and the use of algebra and trigonometry to formulate and solve physics problems. Not open to students who have credit for Physics 5. Three class hours and one two-hour laboratory each week. Prerequisite: Mathematics 7. Fall (10:30 M.W.F.; Lab Th. at 1:30 or 3:30 p.m. or F. at 7:30).
- 4 **GENERAL PHYSICS** 4 Hrs.
A continuation of Physics 3. The subjects studied are electricity and magnetism, quantum mechanics, and atomic physics. Not open to students who have credit for Physics 6. Three class hours and one two-hour laboratory session each week. Prerequisite: Physics 3. Spring (10:30 M.W.F.; Lab at 1:30 or 3:30 on Th. or F. at 7:30).
- 5 **INTRODUCTORY PHYSICS** 3 Hrs.
A study of physics from the viewpoint of the pre-engineering, chemistry, or physics-major. A study will be made of mechanics, heat and optics with

emphasis on conservation laws, symmetry, the development of concepts using calculus, and the formulation and solution of problems using calculus. Not open to students who have credit for Physics 7. Four class hours and one two-hour laboratory each week. Prerequisite or concurrent: Mathematics 51. Fall (10:30 M.T.W.Th., Lab arranged).

- 6 **INTRODUCTORY PHYSICS** 3 Hrs.
A continuation of Physics 5. The subjects studied are electricity and magnetism, quantum mechanics, and atom physics. Not open to students who have credit for Physics 4. Four class hours and one two-hour laboratory each week. Prerequisite: Physics 5. Prerequisite or concurrent: Mathematics 52. Spring (10:30 M.T.W.Th., Lab arranged).

NOTE: Prerequisites for all the following courses except Physics 106, 110, and 189 are Mathematics 101 (can be concurrent) and Physics 6. Mathematics 130 is highly recommended. Prerequisite for Physics 106, 110, and 189 is Physics 4 or 6.

- 101 **MECHANICS** 3 Hrs.
Analytical treatment of vectors, kinematics and dynamics of particles, force fields, and simple harmonic oscillators and modifications. Fall, alternate years, 1970. (M.W.F. 8:30).
- 602 **OPTICS** 4 Hrs.
Theory of geometrical and physical optics including thick lenses, types of mirrors, combinations of lenses and mirrors aberrations, optical systems, and an introduction to diffraction, interference, and polarization. Spring, alternate years, 1970. (M.T.H.F., 12:30).
- 103 **THERMODYNAMICS** 3 Hrs.
A study of thermometry and temperature, the ideal gas laws, the first and second laws of thermodynamics and entropy. Fall, alternate years, 1969. (M.W.F. at 8:30).
- 104 **ELECTRICITY AND MAGNETISM** 4 Hrs.
Analytical treatment of vectors, a study of electric fields, potential, direct current, magnetic fields, alternating current, electromagnetic oscillations and electromagnetic waves. Fall, alternate years, 1969. (M.T.H.F. at 12:30).
- 105 **MODERN AND ATOMIC PHYSICS** 4 Hrs.
A study of the special theory of relativity, particles, waves, quantum mechanics, the hydrogen atom, complex atoms, molecules and crystal structure, the solid state, atomic nuclei, nuclear reactions, and elementary particles. Fall, alternate years, 1970. (M.T.H.F. at 12:30).

ARTS AND COURSES OF STUDY

- 166 **ELECTRONICS** 4 Hrs.
A study of detectors, regulators, oscillators, and amplifiers using vacuum tubes and semi-conductors with emphasis on measuring instruments used in research. Two class hours and six hours of laboratory each week. Spring semester. Lab arranged, alternate years, 1971. (T.Th. at 12.00)
- 118 **ADVANCED PHYSICAL LABORATORY** 2 Hrs.
Independent work in the laboratory in the areas of courses 101 through 106 as apparatus and facilities etc available. The student must complete four experiments per semester. Six hours per week. Repeatable to a maximum of eight hours. Time arranged. Fall and Spring.
- 152 **ASTRONOMY** 3 Hrs.
(See *Sciences—General.*)
- 188 **PROBLEMS IN PHYSICS** 3 Hrs.
Independent study in laboratory research, library research or problem solving. Repeatable to a maximum of six hours. Time arranged. Fall and Spring.

SCIENCES—GENERAL

- 1 **PHYSICAL SCIENCE** 4 Hrs.
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. Class session three hours, laboratory

- two hours. Fall and Spring (9:30 MWF), Interterm.
- 100 **INTRODUCTORY MINERALOGY** 2 Hrs.
An elementary study of minerals, their composition, physical and chemical properties, crystalline structure, relationship to rocks, mode of origin, uses and classification. This is basically a laboratory oriented course. Prerequisite: Chemistry. Geology, Physical Science, or consent of instructor. Summer on demand.
- 181 **GEOLOGY** 3 Hrs.
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. (Class session three hours, laboratory one hour. Fall (7:25 Th evening), alternate years, 1969. Interterm.
- 146 **CONSERVATION WORKSHOP**
A workshop designed to acquaint the teacher with the necessary philosophy for the conservation of all of our natural resources. The participant will be exposed to background information, methods, and materials in this very important field.
- 152 **ASTRONOMY** 3 Hrs.
A study of constellations, planets, meteors, and comets, size, composition, and motion of the sun and stars. Fall (7:30-9:30 Th eve), alternate years, 1970.
- 170 **METHODS OF TEACHING THE NATURAL SCIENCES** 2 Hrs.
(See *Education.*)

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.

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- 1 **ELEMENTARY ECONOMICS (Microeconomics)** 3 Hrs.
The first semester of general economics deals with these major topics: basic economic concepts, business organization, labor and industrial relations, the economic role of government, national income and fluctuations, prices, and money and banking. Not open to freshmen. Fall (9:30 M.W.F.)
- 2 **BASIC ECONOMICS** 3 Hrs.
A study of our economic system; basic economic principles, institutions and problems, elementary economic analysis. Economic-business majors should take Economics 1, rather than this course. Not open to freshmen. Fall and Spring (1:30 M.W.F.) Interterm
- 4 **ELEMENTARY ECONOMICS (Microeconomics)** 3 Hrs.
The second semester of general economics covers: the composition and pricing of national output, the distribution of income, pricing of productive factors, international trade and finance, and current economic problems. Spring (9:30 M.W.F.)
- 5-8 **ELEMENTARY ACCOUNTING** 3 Hrs.
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 collateral books and controlling accounts. The year (8:30 M.W.F., 9:30 M.W.F.)
- 15 **COST ACCOUNTING** 3 Hrs.
A study of basic cost accounting for manufacturing firms, including discussion of inventories and unit costs and showing distribution and flow of costs through the process and job order cost systems. Prerequisite: Elementary Accounting. Fall (7:30 T.Th.), alternate years, 1970.
- 85 **DATA PROCESSING** 3 Hrs.
An introduction to basic data processing principles and methods. Lecturers and laboratories. Use of the card punch, reproducer, collator, verifier, sorter, and the IBM 1401 computer. Includes planning, programming, writing and operation of various report preparation data processing units.
- 28 **COMPUTER PROGRAMMING I** 3 Hrs.
An introduction to the electronic digital computer, systems, principals, and uses. Problem solving and coding using FORTRAN IV. Lectures and laboratories. Use of the IBM 1401. Problem solving in numerical and non-numerical situations. Prerequisite: high school algebra is helpful but not required. Interterm and Spring.
- 103 **INTERMEDIATE ACCOUNTING** 3 Hrs.
A study of accounting principles and procedure essential to the preparation of adequate financial statements with emphasis on the corporate form. Special attention is given to capital contributions, treasury stock, adjustments, and statements of surplus, income determination, cash, receivables, and inventory. Prerequisite: Elementary Accounting. Fall (7:30 T.Th.), alternate years, 1969.
- 106 **INTERMEDIATE ACCOUNTING** 3 Hrs.
A continuation of course 105. Deals mainly with commitments, installments, investments, fixed assets, depreciation and depletion, intangible assets, current and fixed liabilities, funds and reserves, and analysis of financial statements. Prerequisite: Economics 105. Spring (7:30 T.Th.), alternate years, 1970.
- 116 **INCOME TAX ACCOUNTING** 4 Hrs.
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 (1:30 T.Th.).
- 109 **INTERNATIONAL ECONOMICS** 3 Hrs.
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: Economics 4. Fall (10:30 T.Th.), alternate years, 1969.
- 110 **BUSINESS LAW** 3 Hrs.
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 (9:30 M.W.F.) alternate years, 1970.
- 116 **FAMILY FINANCE (See Home Economics)**
- 121 **MARKETING** 3 Hrs.
A study of the functions of marketing and the agencies performing these functions; the elimination

AREAS AND COURSES OF STUDY

- 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 (9:30 M.W.F.).
- 225 **BUSINESS ORGANIZATION AND FINANCE** 3 Hrs.
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. Prerequisite: one year of college accounting. Fall (1:30 T.Th.).
- 226 **INTERMEDIATE PRICE THEORY** 2 Hrs.
An analysis of the economic behavior of households and business firms within the framework of free-enterprise capitalism; includes a study of competitive and noncompetitive markets in terms of efficiency and resource use. Prerequisite: Economics 4 or consent of instructor. Fall (10:30 T.Th.), alternate years, 1970.
- 227 **NATIONAL INCOME ANALYSIS** 2 Hrs.
An analysis of the underlying causes of unemployment, inflation, economic instability, and economic growth. Consideration is given to monetary and fiscal policy, consumption, saving, and investment as they bear on national income. Spring (10:30 T.Th.), alternate years, 1971. Prerequisite: Economics 1.
- 230 **PUBLIC FINANCE** 3 Hrs.
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 (8:30 M.W.F.).
- 232 **INVESTMENTS** 3 Hrs.
A study of investment policy and mechanics for individuals and institutions; corporate securities and government bonds; the work of investment banking houses; indirect investment through building and loan associations and investment trusts. Prerequisite: 9 hours of economics and/or accounting. Inter-term.
- 236 **FINANCIAL STATEMENT ANALYSIS** 3 Hrs.
A study of the methods of analyzing and interpreting financial statements from the standpoints of bankers, credit analysts, investors, management, and others. Prerequisite: 9 hours of accounting. Spring (7:30 T.Th.), alternate years, 1971.
- 239 **PERSONNEL MANAGEMENT** 3 Hrs.
A study of personnel administration and personnel problems including recruitment, training, providing incentives, supervision, union-management relations, and labor laws and applications. Offered January (1970). Inter-term.
- 240 **LABOR ECONOMICS** 3 Hrs.
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 (10:30 T.Th., 1970; 10:30 M.W.F., 1971).
- 251 **MONEY AND BANKING** 3 Hrs.
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 (8:30 M.W.F.). Prerequisite: Economics 1.
- 269 **INDEPENDENT STUDY IN ECONOMICS** 1-3 Hrs.
See regulations governing independent study. By appointment.

HISTORY

Requirements for a major: a minimum of twenty-four semester hours including courses 1, 4, six hours of U.S. History (courses 17-20), 111, 412, 422.

Honors program in history: students who qualify for honors courses may enroll in four hours of United States history each term, or may enroll in Historiography at upper level students. Qualification for the program is based upon high scores, promise as a research student, and recommendation by the history faculty.

- 1 **WESTERN CIVILIZATION** 3 Hrs.
A survey of the major developments in western culture in its world setting from earliest times to 1500. This course is designed to meet the general education requirement of students not specializing in the department. Fall (10:30 T.Th.).
- 2 **EARLY MODERN EUROPE** 3 Hrs.
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 19th century. The year (10:30 M.W.F.).



- 4 **TWENTIETH CENTURY EUROPE** 3 Hrs.
A study of the background of the World War (1914-1918), the peace settlement, the controversial factors during the next two decades, the Second World War, and the problems facing the United Nations. The year (8:30 M.W.F.).
- 17 **THE UNITED STATES: COLONIAL AND REVOLUTIONARY PERIOD** 2 Hrs.
An interpretation of the period of exploration, colonial establishment and development, and the revolutionary era in American history, with special attention to national and constitutional development 1763-1800. Fall (9:30 M.W.F. 1969; 2:30 M.W.F. 1970).
- 18 **THE UNITED STATES: 1845-1920** 2 Hrs.
The era of reconstruction, industrialization, and the "age of reform," with special attention to Mid-western manifestations of Populism and Progressivism. Fall (2:30 M.W.F. 1969; 9:30 M.W.F. 1970).
- 19 **THE UNITED STATES: EARLY NATIONAL PERIOD** 2 Hrs.
Jeffersonian and Jacksonian Democracy, slavery and the slavery conflict, the advent and prosecution of the Civil War, 1800-1865. Spring (2:30 M.W.F. 1969; 9:30 M.W.F. 1970).
- 20 **THE UNITED STATES: THE LATER TWENTIETH CENTURY** 2 Hrs.
The Republican ascendancy, depression, World War II, and America as "superpower." Spring (9:30 M.W.F. 1969; 2:30 M.W.F. 1970).
- 21 **UNITED STATES HISTORY HONORS** 1 Hr.
Prerequisite: instructor's permission. By appointment. Per term
- 91 **FIELD SESSION IN MEXICAN HISTORY** 3 Hrs.
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 1970; limited enrollment.
- 111 **THE ANCIENT MEDITERRANEAN WORLD** 3 Hrs.
A study of the political, social, and cultural development of the ancient Greeks and Romans and their contributions to western civilization. Spring (1:30 M.W.F.), alternate years, 1970.
- 112 **MEDIEVAL HISTORY** 3 Hrs.
A study of European and related areas from the period of Roman decline to 1500. Spring (1:30 T.Th.), alternate years, 1970.
- 117 **LATIN AMERICAN HISTORY** 3 Hrs.
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 the relations with the United States are emphasized. Fall (1:30 T.Th.), alternate years, 1970.
- 110 **THE FAR EAST** 3 Hrs.
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 (1:30 T.Th.), alternate years, 1969.
- 122 **TRANS-MISSISSIPPI WEST** 3 Hrs.
A regional study with emphasis on climatic and geologic backgrounds, exploration, settlement, and present day economic and political significance. Spring (10:30 T.Th.), alternate years, 1971.

AREAS AND COURSES OF STUDY

- 155 **AMERICAN DIPLOMATIC HISTORY** 3 Hrs.
A study of the diplomatic relations of the United States from the Revolutionary period to the present. Fall (11:30 M.W.F.), alternate years, 1970.
- 160 **SEMINAR ON LATIN AMERICA** 3 Hrs.
A study of the cultural, socio-economic, political, and institutional development and life of Central and South America. Certain important current Latin American problems will be examined in detail. Fall 1970 (1:30 T.Th.).
- 161 **HISTORY OF KANSAS** 3 Hrs.
A study of the formative years of the history of the state and the contributions her people made to the total stream of American development. Designed with special relevance for public school teachers. Fall (7:25 p.m. Th.), alternate years, 1970. Inter-term.
- 180-190 **PROBLEMS IN HISTORY** 1-3 Hrs.
Advanced study of special topics in history. Prerequisite: consent of the instructor. By appointment. Per term.
- 191 **FIELD SESSION IN MEXICAN HISTORY** 3 Hrs.
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 in course 91. Prerequisite: instructor's permission. Offered in summer of 1970; limited enrollment.
- 193 **SOVIET RUSSIA AND EAST EUROPE SEMINAR** 3 Hrs.
- 194 **SEMINAR ON AFRICA** 3 Hrs.
- 198 **HISTORY OF POLITICAL THOUGHT** 3 Hrs.
(See Political Science.)
- 199 **HISTORIOGRAPHY** 3 Hrs.
A study of the techniques of historical research and historical criticism. Fall (7:25 p.m. Th.), alternate years, 1969. (Honors only.)

Political Science

- 1 **UNITED STATES GOVERNMENT** 3 Hrs.
A critical study of the organization and operation of the federal, state, and local governments. Fall, 1969 (11:30 M.W.F.); Spring, 1971 (12:30 M.W.F.).
- 20 **PRINCIPLES OF GEOGRAPHY** 3 Hrs.
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 (7:30 T.Th.).

- 101-107 **STUDIES IN AMERICAN GOVERNMENT** 1-3 Hrs.
A course designed for those who desire advanced work in special areas of American Government. Prerequisite: instructor's permission. By appointment. Per term.
- 120 **AMERICAN POLITICS** 2-3 Hrs.
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 (10:30 T.Th.), alternate years, 1970.
- 150 **INTERNATIONAL RELATIONS** 3 Hrs.
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 (11:30 M.W.F.), alternate years, 1971.
- 152 **COMPARATIVE GOVERNMENT** 3 Hrs.
An analysis of the important governments of the contemporary period. Spring (11:10 M.W.F.), alternate years, 1970.
- 155 **AMERICAN DIPLOMATIC HISTORY**
(See History.)
- 198 **HISTORY OF POLITICAL THOUGHT** 3 Hrs.
A survey of the ideals and men who have shaped the course of political thinking from classical times to the present. Spring, alternate years, (1:30 T.Th.) 1970.

PSYCHOLOGY

Requirements for a major: A minimum of 27 semester hours including the following courses: 1, 62, 101, 102, 104, 105, 121 and 122.

Related supporting courses required: Vertebrate Physiology or Human Biology, and Statistics I or Introduction to Statistics.

M. PHERSON (C O L L E G E)

- 1 **GENERAL PSYCHOLOGY** 3 Hrs.
An introduction to the understanding of human behavior. Emphasis is placed on individual development and adjustment. Fall and Spring 19:30 and 2:30 M.W.F.
- 54 **PSYCHOLOGY OF ADJUSTMENT** 3 Hrs.
A study of human adjustment within the framework of dynamic and experimental psychology. Fall 11:30 M.W.F.
- 62 **DEVELOPMENTAL PSYCHOLOGY** 3 Hrs.
An exploration of human psychological development from birth through adolescence. 11:30 M.W.F.
- 84 **INTRODUCTION TO STATISTICS** 3 Hrs.
A study of basic statistics designed to acquaint the social science student with statistical tools and techniques. The use and understanding of the following is expected: measures of central tendency, measures of variability, and simple techniques of correlation. Spring.
- 101 **PSYCHOMETRIC METHODS** 3 Hrs.
A study of the theory and practice of psychological tests. Students are provided experience in the administration, and interpretation of tests of intelligence, differential abilities, and personality traits. Alternate years. Fall 11:30 T.Th., 1970.
- 102 **HISTORY AND SYSTEMS OF PSYCHOLOGY** 3 Hrs.
An examination of the major systems of psychological thought. Alternate years. Fall 10:30 T.Th., 1969.
- 104 **ABNORMAL PSYCHOLOGY** 3 Hrs.
An examination of the dynamics and patternings of maladjusted behavior. Alternate years. Spring 12:30 M.W.F., 1971.
- 105 **DYNAMICS OF PERSONALITY** 3 Hrs.
Designed to provide the student with an understanding of the dynamics underlying the development of personality. Alternate years. Fall 11:30 T.Th., 1970.
- 110 **SOCIAL PSYCHOLOGY** 3 Hrs.
(See Sociology 110.)
- 121 **PSYCHOLOGY OF COUNSELING** 3 Hrs.
An exploration of the theory and practice of therapeutic counseling with primary emphasis on common problems of adjustment. Alternate years. Fall 11:30 T.Th., 1969.

- 122 **EXPERIMENTAL PSYCHOLOGY** 3 Hrs.
A theoretical and empirical study of the experimental method in psychology. Students are expected to conduct and evaluate experiments in learning, transfer of training, forgetting, problem solving, and reaction speed. Two class sessions and one two-hour laboratory. Alternate years. Spring 11:30 T.Th. Laboratory 12:30-4:30 T or Th., 1970.
- 181 **FIELD EXPERIENCE IN PSYCHOLOGY** 4 Hrs.
A four week program at Larned State Hospital Interns.
- 189 **PROBLEMS IN PSYCHOLOGY** 1-3 Hrs.
Advanced study of special topics in education or psychology. Prerequisite: consent of instructor. By appointment.

SOCIOLOGY

Requirements for a major: A minimum of twenty-four semester hours including courses 25, 30, or 64, 75 or 120, 107 or 156, 112 or 118, and 116 or 195. General Psychology I is required as a related supporting course. Students majoring in sociology and anticipating graduate study in the field are advised to take 65, 185, and 195.

Sociology 25 is a prerequisite for all upper level courses in the department.

- 25 **INTRODUCTORY SOCIOLOGY** 3 Hrs.
An introduction to the general field of sociology and its principal sub-divisions; the nature of culture, the socialization of the individual; the character and behavior of social groups; social organization and institutions, social interaction, change and disorganization. Fall, three sections (A, B, C) M.W.F.: B, 10:30 T.Th. (C, 1:30 M.W.F.), Spring 10:30 M.W.F.)
- 30 **RURAL SOCIOLOGY** 3 Hrs.
A study of the distinctive characteristics of rural life and culture, rural environment; rural communities, social organizations, and institutions; rural attitudes and viewpoints; relationship to the whole society, trends, problems, and recent rapid change in rural life; and outlook for the future. Spring 11:30 M.W.F.)
- 64 **URBAN SOCIOLOGY** 3 Hrs.
A study of cities including their recent growth in number, size, and importance in modern society, the distinctive characteristics of urban life and culture; urban attitudes, social organization, and institutions.

- relations city problems such as slums and political corruption the possibilities in urban planning, and other future trends. Interterm
65. **INTRODUCTION TO STATISTICS** 3 Hrs.
(See Psychology)
- 65.160 **SEMINAR IN URBAN LIFE** 1 Hr.
Course will consist of appropriate preparation and reports. Plus an extended field trip to a major city during the final week of the Interterm. It is open to those who have taken Sociology 64. Interterm
75. **MARRIAGE** 3 Hrs.
An examination of the steps leading to successful marriage, among them dating, courtship, engagement and marital adjustment possible problem areas such as family finances and religion, and the significance of divorce. The study will emphasize the intermingled physiological, psychological, intellectual and spiritual aspects of marriage. Fall, two sections (A, 8:30 MWF; B, 10:30 TTh; Spring, two sections (A, 8:30 MWF; B, 1:30 TTh.)
107. **RACIAL AND CULTURAL MINORITIES** 3 Hrs.
An exploration of the problems faced by racial and cultural minority groups in our society, the causes and consequences of prejudice, the true meaning of racial and cultural differences, current crises and possible solutions, some comparison with similar situations in other countries. Spring (10:30 TTh), 1970
108. **THE DYNAMICS OF CULTURE** 3 Hrs.
How cultures come to be, diffusion and interactions between cultures, interactions and interrelations within cultures studies as to why some cultures survive while others disintegrate, social structures, cultural and social planning, case studies of varied cultures. Spring (9:30 MWF), 1971
160. **CULTURAL ANTHROPOLOGY** 3 Hrs.
A study of man in the various ways of life (cultures) which he has developed in history, special attention to primitive peoples and their simple, elemental cultures in comparison with our own, then ties concerning the origin and development of cultures, and how they influence each other. Fall (10:30 MWF.)
- 160A **CONTEMPORARY SOCIAL ISSUES** 3 Hrs.
An exploration of prevailing current social issues in the light of sociological principles and insights. Students will have a voice in the selection of the topics to be considered and will be required, after extensive reading, to formulate their own conclusions on these topics in papers or oral reports. Spring (10:30 TTh), 1971
110. **SOCIAL PSYCHOLOGY** 3 Hrs.
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. Fall (12:30 MWF)
112. **CRIMINOLOGY** 3 Hrs.
A study of the causes of crime and the character, etics of the criminal, cultural and legal aspects of criminal behavior, history of the principles and methods of controlling and punishing crime, and the possibilities of rehabilitating offenders. Fall (7:30 TTh)
125. **HISTORY OF SOCIAL THOUGHT** 3 Hrs.
A survey of great ideas about society, some produced by ancient civilizations, many others by eminent individual thinkers from early times to the present. Students will have some voice in the selection of civilizations or individuals to be considered. Fall (1:30 TTh), 1969
148. **HISTORY OF SOCIOLOGY** 3 Hrs.
A study of the rise and development of sociology as a social science, the pioneer ideas of men like Comte, Spencer, Sumner, and Ward, contributions by later sociologists, American and foreign, and current trends in the discipline. Spring (1:30 TTh)
117. **SOCIAL WORK** 3 Hrs.
A course offering a general survey of the field of social work including a study of methods and applications. It is designed for education, religious, pre-professional, and social work students, any student may find it helpful. Spring (2:30 MWF)
148. **JUVENILE DELINQUENCY** 3 Hrs.
A study of social factors contributing to juvenile delinquency such as family and neighborhood influences, modern corrective programs, and the role of schools, law enforcing and other community agencies in delinquency control. Spring (7:30 TTh)
170. **THE FAMILY** 3 Hrs.
Primarily a study of the family as a social unit of interacting personalities, with attention given to the functions, duties, and problems which are part of successful family living; and the influences contributing to family disorganization. Spring (10:30 MWF)

M c P H E R S O N C O L L E G E

- 140 **SOCIAL DISORGANIZATION** 3 Hrs.
A survey of the "ills of society"—factors which interfere with wholesome social organization—such as poverty and unemployment; physical or mental illness and mental retardation; juvenile delinquency and crime; sex offenses and family instability; community disorganization and political corruption; suicide; revolution and war. Fall (1:30 T.Th.), 1970.
- 161 **SOCIAL DEVELOPMENT AND THE COMMUNITY** 3 Hrs.
A detailed inquiry into the relationships between personal development and the community; the family's role; the influence of the community's social structure, its economic and cultural patterns, its churches and similar agencies; also particular attention to its schools. Spring (9:30 M.W.F.), 1970.
- 165 **SOCIAL SERVICE PROJECTS** 1-3 Hrs.
An arrangement enabling students to earn credit while in Brethren Volunteer Service or similar projects such as mental hospital units or work camps. Consent must be secured from the department and Educational Policies Committee in advance; project will be supervised by department. A written report of the project is required within nine weeks after returning to resident study at the college. Summer session or by special arrangement.
- 171 **SEMINAR IN PRISON COMMUNITIES** 3-4 Hrs.
The course involves the first three weeks of study on the campus, then a week in a field trip to visit prisons in several states. Interterm.
- 180 **SEMINAR IN SOCIOLOGY** 3 Hrs.
Seminar studies dealing with some of the cross diffusions and influences, cultural, national, religious, racial, economic, which have affected certain areas and peoples. An effort is made to understand better the current and emerging situation in a part of the world. This seminar is the Non-Western Seminar of ACK. Fall and Spring.
- 185 **RESEARCH METHODS IN SOCIOLOGY** 3 Hrs.
A study of the basic scientific methods in sociological field work, with emphasis given to research design, questionnaire construction, scaling technique, case analysis, sampling, graphic presentation, and interviewing. Spring (8:30 M.W.F.).
- 189 **PROBLEMS IN SOCIOLOGY** 1-3 Hrs.
Advanced study of special topics in sociology. Prerequisite: consent of the instructor. By appointment.

- 193 **CONTEMPORARY SOCIOLOGICAL THEORY** 3 Hrs.
Review and analysis of contemporary sociological theory, including the theories of such men as George H. Mead, Thomas, Weber, Mannheim, Znaniecki, Sorokin, Becker, Lundberg, Homans, Merton, and Parsons. Spring (8:30 M.W.F.).
- 199 **INDEPENDENT STUDY IN SOCIOLOGY** 1-3 Hrs.
See regulations governing independent study. By appointment.



APPLIED ARTS AND SCIENCE AREAS . . .

EDUCATION

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.

Normally, the major in Education will be interested in qualifying for the teaching profession. Therefore, the major should exhibit competencies in oral and written communication, have academic ability and interest, be strong in social and character qualities, and be of good physical and emotional health. The candidate will naturally be interested in a social service vocation.

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. Nine hours must be taken in the department at McPherson. General Psychology is required as a prerequisite of all majors.

AREA A (Six hours from this area are required for either elementary or secondary teachers.)

62 DEVELOPMENTAL PSYCHOLOGY
(See Psychology.)

10¹ GUIDANCE **1 Hr.**
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. On demand.

110 SOCIAL PSYCHOLOGY
(See Sociology.)

114 EDUCATIONAL PSYCHOLOGY **3 Hrs.**
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. On demand.

110 UNDERSTANDING THE PUPIL **4 Hrs.**
An integrated course centering on the tasks which a teacher performs. Emphasis is given to understanding the background of the learner, the process of learning, and the process of teaching. A unit of work is devoted to the guidance role of the teacher and the school. Fall and Spring (8:00-11:20 M.F.). Teaching Block both terms.

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144 **INTRODUCTION TO SPECIAL EDUCATION** 3 Hrs.
The field of special education is explored in the program, the training needed, the employment possibilities, and the methods used by special education teachers. Field experiences give the student an opportunity to explore his special interests in the field. (Class work emphasizes the nature and types of individual differences. Spring 11:30 M.W.F.), alternate years, 1970.

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

110 **PRINCIPLES OF ELEMENTARY EDUCATION** 3 Hrs.
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 11:30 M.W.F.

115 **INTRODUCTION TO EDUCATION** 3 Hrs.
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 student learns about teaching and the school by becoming a teacher's aide. 1 class and 4 hours lab per week. Fall (Th Evening), and Spring (11:30 M.W.F.)

135 **HISTORY AND PHILOSOPHY OF EDUCATION** 3 Hrs.
The essential educational philosophies and their development with special emphasis on the development of the American education system. Spring (Evening).

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

92 **PRE-PROFESSIONAL LABORATORY EXPERIENCES** 2 Hrs.
Students interested in exploring the possibilities of entering the teaching profession may receive credit for experiences which are related to this field. Summer experiences may qualify or activities during the school year. A proposal for the experience, readings, and an evaluation will be required. All work must be approved by the department and enrollment made prior to the activity. Either term or summer.

105 **SCIENCE IN THE ELEMENTARY SCHOOL** 2 Hrs.
Emphasis is placed upon effective methods for teaching science to elementary school children. The philosophy and purpose of elementary school science is also stressed. Students are given opportunities to review materials and experience experiment used at this level. Prerequisite: one course in physical science and one in biological science. Spring (Evening), alternate years, 1971.

111 **THE TEACHING OF READING** 3 Hrs.
A study of the methods of teaching reading in the elementary grades, a course which is part of the elementary block for seniors. Fall (11:30 M.F.) Teaching Block.

112 **THE TEACHING OF READING IN THE JUNIOR AND SENIOR HIGH SCHOOL** 2 Hrs.
A study of the methods of teaching reading at the upper elementary, junior and senior high school levels. Special emphasis is given to the reading skills that are needed at this level. The job of the remedial teacher in this area is considered. Spring (Evening), alternate years, 1971.

129 **SOCIAL STUDIES IN THE ELEMENTARY SCHOOL** 2 Hrs.
A course designed to meet the needs of elementary teachers. Emphasis is placed on trends, materials and methods in this field. Enrollee should have completed college work in three of the following fields: economics, geography, sociology, history, and political science before taking this course. Spring (Evening), alternate years, 1970.

150 **METHODS OF TEACHING BUSINESS EDUCATION** 2 Hrs.
A study of the theory, practices and materials needed to teach courses in this area. Interterm.

121 **LANGUAGE ARTS IN THE ELEMENTARY SCHOOL** 2 Hrs.
A study of aims, methods, and materials for teaching the English language arts in the elementary school. Spring (Evening), alternate years, 1970.

152 **METHODS OF TEACHING INDUSTRIAL ARTS** 2 Hrs.
A study of industrial arts instructional methods, class control, teaching aids, laboratory safety, and the handling of equipment and supplies. Spring (7:30 T.Th.).

- 130 **METHODS OF TEACHING THE LANGUAGE ARTS (Secondary)** 2 Hrs.
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. *Interterm.*
- 131 **METHODS OF TEACHING THE SOCIAL STUDIES (Secondary)** 2 Hrs.
A course designed to meet the needs of those who will be teaching social studies in the secondary schools. Emphasis is placed on the materials, sources, and techniques that are most useful and stimulating in a classroom situation. *Interterm.*
- 132 **METHODS OF TEACHING HOME ECONOMICS** 2 Hrs.
Develop lesson plans; where to acquire and how to evaluate resource material; evaluation of student progress in secondary home economics courses. *Interterm.*
- 133 **METHODS OF TEACHING MATHEMATICS (Secondary)** 2 Hrs.
A study of the purposes and objectives pertinent to mathematics teaching. Special emphasis given to materials and appropriate methods in this area. *Interterm.*
- 134 **METHODOLOGY OF FOREIGN LANGUAGE TEACHING** 3 Hrs.
Methods of teaching the language based on a contrastive study of the structures of English and the foreign language. Extensive outside reading, reports on textbooks, discussion of various teaching aids. *Interterm.*
- 140 **CONSERVATION WORKSHOP**
(See *Science-General*.)
- 141 **CONSERVATION METHODS** 1 Hr.
This course in conservation is aimed at helping elementary and science teachers implement the work which was done in Education 146. Field and laboratory experiences will be provided. Enrollment is limited to current and future teachers and those who have had Education 146. *Summer on demand.*
- 153 **SUPERVISED STUDENT TEACHING IN THE ELEMENTARY SCHOOL** 2-8 Hrs.
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 and acceptance by the Teacher Education Committee. Fall (M-F by appointment, weekly conference).

- 155 **SUPERVISED STUDENT TEACHING IN THE SECONDARY SCHOOL** 2-8 Hrs.
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: three hours in the Education Department and acceptance by the Teacher Education Committee. Fall and Spring (M-F by appointment, weekly conference.)
- 156 **AUDIO-VISUAL EDUCATION** 3 Hrs.
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.*

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- 157 **NEW INSTRUCTIONAL METHODS AND MATERIALS** 1 Hr.
A workshop which introduces the more recent materials and machines in the audio-visual field and the more effective ways of using them. Summer on demand.
- 158 **METHODS OF TEACHING PHYSICAL EDUCATION (Secondary)** 2-4 Hrs.
A study in the teaching techniques and analysis of the fundamental skills of the individual and team sports. Prerequisites: four hours of activity courses or permission of the instructor. Interterm.
- 161 **WORKSHOP IN THE PHYSICAL FITNESS OF THE ELEMENTARY SCHOOL CHILD** 1 Hr.
A workshop providing the teacher with an understanding of the elements of physical fitness, an understanding of progress for the development and improvement of physical fitness based on individual differences. Summer on demand.
- 163 **AEROSPACE EDUCATION WORKSHOP** 3 Hrs.
A workshop introducing the participating teachers to basic concepts of air and space travel and to recent developments in this field. Aerospace implications for our culture, economy, and world are pursued. Summer on demand.
- 164 **MATHEMATICS IN THE ELEMENTARY SCHOOL** 2 Hrs.
Most of the time will be devoted to methods of presenting modern mathematic programs. Some time will be given to understanding problems and trends in the field. Prerequisite: Math I and/or 4. Spring (Evening), 1971.
- 167 **SPECIAL EDUCATION WORKSHOP: TEACHING THE RETARDED PUPIL** 1 Hr.
A workshop emphasizing procedures for teaching the retarded pupil in the regular classroom. Problems, methods, and materials are considered. Summer on demand.
- 168 **SPECIAL EDUCATION WORKSHOP: TEACHING THE GIFTED CHILD** 1 Hr.
A workshop emphasizing procedures for teaching the gifted child in the regular classroom. Problems, methods, and materials are considered. Summer on demand.
- 169 **WORKSHOP IN KINDERGARTEN METHODS** 1 Hr.
Taught especially for the kindergarten teacher, this workshop will be concerned with the philosophy of education at this level. The latest methods and materials will be discussed and demonstrated. Summer on demand.
- 174 **READING WORKSHOP** 1 Hr.
The diagnosis and treatment of remedial reading problems. An intensive study is made of diagnostic procedures. Summer on demand.
- 175 **READING WORKSHOP** 1 Hr.
A workshop dealing mainly with improving reading instruction in the regular classroom. Recent research, trends in teaching, and newer materials are presented. Summer on demand.
- 176 **DRIVER EDUCATION INSTRUCTOR'S COURSE** 6 Hrs.
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.) Alternate summers, 1969.
- 178 **WORKSHOP: NEW ENGLISH METHODS AND MATERIALS** 1 Hr.
This workshop will assist teachers who are interested in studying new trends and curriculums in the field. Present practices will be evaluated. Summer on demand.
- 179 **LANGUAGE AND LINGUISTICS** 1 Hr.
This workshop will deal with basic concepts of linguistics and language and the relationship between linguistics and the teaching of language, English or foreign. Topics of particular interest to participants will be discussed. Summer on demand.
- 182 **TESTS AND MEASUREMENTS** 2 Hrs.
A study of the basic concepts necessary for effective testing and measuring in the classroom. Some time is given to the study of elementary statistics and test construction. Fall (1:30 M.W.F.), alternate years, 1970.
- 184 **PUBLIC SCHOOL MUSIC METHODS** 3 Hrs.
A study of the theory and practice of public school music as related to methods and materials for music-teaching at elementary and secondary levels. (Course designed for music majors.) Spring (1:30-3:00 T-Th), alternate years, 1970.
- 192 **TEACHING IN THE INNER CITY** 2 Hrs.
A seminar designed to introduce the prospective

AREAS AND COURSES OF STUDY

teacher to the philosophy, requirements, and needs of teaching in the area of the racially and culturally deprived. Time spent on campus studying the problems of these deprived groups will be followed by a field experience in a large city. *Interterm.*

AREA D *Special courses for both elementary and secondary teachers. (Elementary teachers are required to take 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.)*

100. PROBLEMS IN EDUCATION 1-3 Hrs.
Advanced study of special topics in education or psychology. Prerequisite: consent of instructor. By appointment.

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 2.2 or if he has failed to pass the English Proficiency Examination.

The Teacher Education Committee, which receives all applications to the Teacher Education Program, is composed of the Dean of Academic Affairs, the Registrar, two members of the Education Department, and four 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 for the junior year. 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. 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.

Elementary candidates must declare their teaching level (primary, middle grades, or upper elementary grades and junior high) as early as possible in their college work. The program for this level must then be met before a student will be recommended for a certificate. Students that prepare for the upper elementary grades will need to choose an area of concentration. (Ask the Education Department for additional information.)

REQUIREMENTS FOR EITHER THE DEGREE ELEMENTARY CERTIFICATE OR THE DEGREE SECONDARY CERTIFICATE

General Education—50 semester hours of general education and liberal arts courses including:

- | | |
|--|----------|
| a. Oral and written communications, literature and foreign languages | 32 hours |
| b. The natural sciences and mathematics | 62 hours |
| c. History and the social and behavioral sciences | 12 hours |
| d. Electives from the above and/or from religion, philosophy, art, music, history and literature | 14 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 | 4 hours |

ELEMENTARY TEACHERS MUST HAVE THE FOLLOWING IN ADDITION TO THE GENERAL EDUCATION AND PROFESSIONAL EDUCATION REQUIREMENTS

- | | |
|--|------------------|
| Hours of electives in professional education courses | 4 hours |
| Specialized content courses | Minimum 15 hours |

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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 or in the Education Department.

Art Education
 Children's Literature
 Music in the Elementary School
 Principles of Arithmetic
 Science in the Elementary School
 Principles of Geography
 Physical Education in the Elementary School
 School Health
 Recreation Leadership
 Workshops of various types

Suggested Program for Degree Elementary Teachers

FRESHMAN YEAR

Fall Term		Spring Term	
	Hours		Hours
Written Communications	3	Written Communications	3
Philosophy and Religion or Language	3-5	General Psychology	3
Physical Science	4	Bible or Language	3-5
Elementary Education Course	3	Physical Education	1
		Elementary Education Course	3
Total	13-15	Total	13-15

SOPHOMORE YEAR

Fall Term		Spring Term	
	Hours		Hours
Literature or Language	3	Philosophy or Language	3
Sociology or History	3	Science	4
Biology	4	Elementary Economics	3
Elementary Education Course	3	Elementary Education Course	3
Total	13	Total	13

JUNIOR YEAR

Fall Term		Spring Term	
	Hours		Hours
*Introduction to Education	3	*Introduction to Education	3
Oral Communications	3	*Principles of Elementary Education	3
History or Sociology	3	Developmental Psychology or Introduction to Special Education	3
Electives	3	Electives	6
Total	14	Total	15

SENIOR YEAR

Fall Term		Spring Term	
	Hours		Hours
*Supervised Student Teaching	6	Developmental Psychology or Introduction to Special Education	3
*Understanding the Pupil	6	Philosophy	3
*Teaching of Reading	3	Electives	9
Total	15	Total	14

*Starred courses indicate the required courses.
 (Other courses may be taken during the interterm.)

Suggested Curriculum in Teacher Education for Secondary School Teachers

Students planning to teach in the junior or senior high school 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

Fall Term	Interterm	Spring Term
Introduction to Education	Special Methods Course	Introduction to Education

SENIOR YEAR

Fall Term	Interterm	Spring Term
Secondary Block	Special Methods Course	Secondary Block History and Philosophy of Education

CUTE Program

Students at McPherson College have the opportunity to participate in the Cooperative Urban Teacher Education (CUTE) program at Wichita, Kansas, during their professional education semester or teaching block. This program gives recognition to the growing importance of urban education in the current American scene. The CUTE program is open to qualified students who are preparing to teach in elementary and secondary schools and have the approval of the Teacher Education Committee.

Students in the program will be assigned to work with outstanding persons familiar with problems of the culturally deprived. Specifically, the Field Experience will consist of the following activities:

- Orientation to educational problems of large, urban communities by cooperating public school personnel

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- b Visits to schools and homes in urban-deprived communities.
- c Conferences with personnel from public and private agencies concerned with problems of an urban-deprived society.
- d Contacts with culturally disadvantaged children through classroom observation, playground supervision, tutorial programs, community service schools, and community center activities.
- e Seminars will be coordinated with each of the field experiences. Seminars will provide a basis for solutions to sociological, psychological, and educational problems encountered.
- f An extended period of full-day student teaching in an urban-deprived school under the supervision of an experienced supervising teacher and Field Experience staff.

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. The College can qualify teachers for any state with slight variations in the program.

HEALTH, PHYSICAL EDUCATION, AND RECREATION

Requirements for a major: A minimum of 28 semester hours, 24 must be in theory, and include courses 61, 140, 165, 181, 173 or 174, 32 or 41, 31 or 158.

Related supporting courses required are Biology 52, and Physics I or Physical Science I. Biology 61 is recommended.

The following are coeducational activity courses:

- 5 ARCHERY ½ Hr.
The study and practice of the rules and techniques. Fall (11:30 M.W., First nine weeks).
- 11 BADMINTON ½ Hr.
The study and practice of the rules and techniques. Fall (11:30 M.W., Second nine weeks).
- 8 GOLF ½ Hr.
The study and practice of the rules and techniques. Fall (12:00 T.Th., First nine weeks). Students must have a minimum of three clubs; wood, iron, putter.

- 8 BOWLING ½ Hr.
The study and practice of the rules and techniques. Fall (12:00 T.Th., Second nine weeks). A fee of \$3.00 is additional.
- 10 TENNIS ½ Hr.
The study and practice of the rules and techniques. Fall (12:00 T.Th., Second nine weeks). Spring (10:30 M.W., Second nine weeks).
- 18 TRACK AND FIELD ½ Hr.
A practical introduction to track and field skills with participation in the events. Spring (10:30 T.Th., Second nine weeks).



- 7 BEGINNING SWIMMING 1 Hr.
A study and practice of the basic skills in swimming and water safety. Fall or spring (12:00 T.Th.).
- 63 SENIOR LIFE SAVING 1 Hr.
A study and practice of the skills in life saving as outlined by the American Red Cross. A student should have basic knowledge and skill in the four basic strokes: elementary back stroke, side stroke, crawl, and breast stroke. Spring (1:00 T.Th.).
- 17 FUNDAMENTAL DANCE FORMS 1 Hr.
Included are basic skills in folk, square, and social dancing. Fall (1:30 T.Th.), alternate years, 1970.
- 18 GYMNASTICS AND TUMBLING 1 Hr.
Instruction in tumbling and apparatus work including the horizontal bar, parallel bars, trampoline, horse, and rope. Spring (9:30 M.W.).

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- 110 **CREATIVE (MODERN) DANCE** 3 Hrs.
A study and practice of the skills in the art form concerned with the communication of ideas or feeling through the medium of movement. Spring (11:30 M.W.F.), alternate years, 1971. Prerequisite: course 17, or consent of instructor.

The following are activity courses for men only:

- 21 **WEIGHT TRAINING** ½ Hr.
An introduction to weight training, including isometric, isotonic, and a combination of these two methods of strength development. Spring (10:30 T.Th., First nine weeks).
- 1 **GENERAL PHYSICAL EDUCATION** 1 Hr.
A study and practice of football, handball, and volleyball skills. Fall (8:00 T.Th.).
- 7 **GENERAL PHYSICAL EDUCATION** 1 Hr.
A study and practice of badminton, tumbling, and track and field events. Spring (8:00 T.Th.).
- 20 **PHYSICAL FITNESS** 1 Hr.
Participation in calisthenics designed to emphasize physical fitness. Fall or Spring (6:50 to 7:10 M.T.W.Th.F.).
- 13, 23 **FIELD FOOTBALL** 1 Hr.
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 Hr.
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).
- 14, 26 **PRACTICAL TRACK AND FIELD** 1 Hr.
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).

The following are activity courses for women only:

- 3 **FIELD HOCKEY** ½ Hr.
A study and practice in the rules, techniques, and strategy of field hockey. Fall (1:30 T.Th.), First nine weeks, alternate years, 1969.
- 4 **BASKETBALL** ½ Hr.
A study and practice in the rules, techniques, and strategy. Fall (1:30 T.Th.). Second nine weeks, alternate years, 1969.

- 6 **VOLLEYBALL** ½ Hr.
A study and practice in the rules, techniques, and strategy. Spring (11:30 M.W.). First nine weeks, alternate years, 1970.
- 22 **SOFTBALL** ½ Hr.
A study and practice in the rules, techniques, and strategy. Spring (11:30 M.W.). Second nine weeks, alternate years, 1970.
- 15 **MOVEMENT PRINCIPLES** ½ Hr.
Physical fitness, weight control, posture, body mechanics. Fall (12:00 T.Th.). Second nine weeks. Spring (10:30 M.W.). First nine weeks.

The following are coeducational theory courses:

- 12 **TRACK AND FIELD EVENTS** 2 Hrs.
The fundamentals and skills of track and field events and the methods of coaching them. Spring (12:00 T.Th.), alternate years 1970.
- 31 **PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL** 1 Hr.
A study of directed play and physical education activities for the elementary school child. Spring (1:30 M.W.F.).
- 52 **SCHOOL HEALTH EDUCATION** 3 Hrs.
A study of the health problems of the individual school child and his environment and curriculum for elementary teachers. Spring (8:30 M.W.F.), alternate years, 1971.
- 41 **PERSONAL AND COMMUNITY HEALTH** 2 Hrs.
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 (10:30 M.W.), alternate years, 1969.
- 56 **BASKETBALL** 2 Hrs.
The fundamentals of playing and the methods of coaching basketball. Spring (10:30 M.W.), alternate years, 1971.
- 61 **FIRST AID** 2 Hrs.
A study of diagnosis and treatment of all emergency physical needs of the human body. Fall (10:30 T.Th.), Spring (8:00 T.Th.).
- 62 **SAFETY** 1 Hr.
A study of the safety problems in modern society. (By appointment.)
- 140 **ANATOMY AND KINESIOLOGY** 3 Hrs.
A study of the science of human motion based on

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- anatomic, physiologic, and mechanical principles Fall (1:30 M.W.F.), alternate years, 1969
- 158 **METHODS OF TEACHING PHYSICAL EDUCATION (Secondary School)** 2-4 Hrs.
(See *Education*.) Prerequisite: four hours of activity courses or permission of the instructor. Inter term.
- 159 **THEORY OF INDIVIDUAL AND DUAL SPORTS** 3 Hrs.
A study and analysis of sports such as archery, badminton, golf, bowling, tennis, handball, and selected recreational sports. Prerequisites: four hours of activity courses or permission of the instructor. Fall (9:30 M.W.F.)
- 160 **CARE AND TREATMENT OF ATHLETIC INJURIES** 2 Hrs.
Emphasis on prevention, care, and cure of injuries incurred in the major athletic sports. Prerequisite: First Aid 61. Spring (8:00 T.Th.)
- 165 **HISTORY, PHILOSOPHY, & PRINCIPLES OF PHYSICAL EDUCATION** 4 Hrs.
A survey of the major historical events which have influenced the development of the physical education profession; a study of the basic philosophies and their resulting effects on trends in physical education; a critical review of accepted principles of the profession. Fall (10:30 M.T.W.Th.), alternate years, 1970.
- 173 **RECREATION LEADERSHIP** 3 Hrs.
A study and practice of the skills required in leading recreation. Fall (12:30 M.W.F.)
- 174 **CAMP LEADERSHIP** 2-3 Hrs.
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. Those taking the course for three hours may do a special study in Outdoor Education, or a related subject of choice. Spring (10:30 T.Th.)
- 181 **ORGANIZATION AND ADMINISTRATION OF THE PHYSICAL EDUCATION PROGRAM** 5 Hrs.
The complete study of organization and administration of a public school physical education program. Fall (8:30 M.W.F.)

- 182 **TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION** 5 Hrs.
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, motor and physical skills are included, as well as techniques in knowledge testing. Fall (1:30 M.W.F.), alternate years, 1970.

- 189 **PROBLEMS IN HEALTH, PHYSICAL EDUCATION, AND RECREATION** 1-3 Hrs.
Study of special topics and problems in the department. Prerequisite: consent of instructor. By appointment.

The following are theory courses for MEN ONLY

- 34 **BASEBALL** 2 Hrs.
The fundamentals of playing and the methods of coaching baseball. Spring (10:30 T.Th.), alternate years, 1970.
- 55 **FOOTBALL** 2 Hrs.
The fundamentals of playing and the methods of coaching football. Fall (8:00 T.Th.), alternate years, 1970.
- 57 **MECHANICS AND TECHNIQUES OF OFFICIATING** 2 Hrs.
A course in which actual officiating of regular games in football and basketball will be required. Fall (8:00 T.Th.), alternate years, 1969.

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 and nutrition or textiles and clothing. Homemaking as a profession is also given emphasis.

Requirements for a professional major: A minimum of twenty-eight semester hours, including courses 3, 4, 15, 16, 17, 32, 116, 125, 126, 142. Supporting courses required: Chemistry 1, 54; Biology 1; Sociology 75; Psychology 62.

Requirements for a teaching major: A minimum of 37 semester hours which includes all of the course offerings in the department. Supporting courses required: Chemistry 1, 54; Biology 2; Sociology 75.

Suggested courses: Physical Education 61; Industrial arts 45 or 46, 53, 122; Music 70; Art 1, 8-9.

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- 3 **DESIGN** 2 Hrs.
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 (1:30-4 T.Th.)
- 4 **COSTUME DESIGN** 2 Hrs.
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 (10:30-1 Th.).
- 15 **FOODS I** 5 Hrs.
A study of the scientific principles of food cookery, elementary nutrition, and food economics. Class session 3 hours, laboratory 6 hours. Fall (9:30 M.W.F., Laboratory 1:30-4:20 T.Th.).
- 16 **FOODS II** 3 Hrs.
The planning, preparing and service of family meals and special occasion food services. Prerequisite: Foods I. Spring (9:30 M), Laboratory 1:30-4:20 T.Th.).
- 23 **THE HOUSE** 3 Hrs.
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 (10:30 M.W.F.), alternate years, 1970.
- 21, 134 **INTERIOR DESIGN** 3 Hrs.
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 (12:30 M.W.F.), alternate years, 1971.
- 31 **TEXTILES** 3 Hrs.
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 (7:30 T.Th.).
- 32 **FUNDAMENTALS OF CLOTHING** 3 Hrs.
Selection of clothing for the family, wardrobe planning, budgeting. Commercial patterns and principles of garment construction are given emphasis. One class session and five hours laboratory. Prerequisite: Textiles or permission of instructor. Spring (7:30 T.Th., 1:30-4:20 W).
- 116 **FAMILY FINANCE** 3 Hrs.
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 M.W.F.), alternate years 1971. Interterm

- 47, 111 **FAMILY HEALTH** 3 Hrs.
Factors conducive to family and community health: prenatal care of the child, home nursing procedures, and family procedures in working toward health personalities. Not open to those who have had Personal and Community Health. Fall (11 to M.W.F.), alternate years, 1969.
- 125 **APPLIED DRESS DESIGN** 2 Hrs.
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 12 or consent of the instructor. Fall (11:30-4:20 M.F.).
- 128 **TAILORING** 2 Hrs.
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 (1:30-4:20 M.F.).
- 142 **NUTRITION** 3 Hrs.
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 (9:30 M.W.F.), alternate years, 1971.
- 140 **PROBLEMS IN HOME ECONOMICS** 1-3 Hrs.
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 5, 7, 62, 133, 161 and 189.

Requirements for an educational major: a minimum of thirty-five semester hours, including courses 5, 6, 7, 31, 60, 62, 64, 102, 106, 122, 132, 133, 141 and 161.

Related supporting courses: a minimum of ten hours selected from Mathematics and the Physical Sciences.

- 5 **ENGINEERING GRAPHICS I** 3 Hrs.
An introduction to orthographic, isometric, oblique, and pictorial drawing, with emphasis placed on free hand sketching, auxiliary and sectional views, revolu-

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tions, use of instruments, drafting machines and aids, dimensioning, and lettering. One class session and four hours laboratory. Fall (10:30 T.).

- 6 **ENGINEERING GRAPHICS II** 3 Hrs.
Manufacturing processes, design, detail and assembly drawing, screw threads and fasteners, jigs and fixtures, cams and gears, illustrative and reproductive methods and procedures. Maps and topographical rendering. Spring (10:30 T.).
- 7 **WELDING** 2 Hrs.
A study of the basic welding processes, the theory, the physical principles and properties, inspection methods, and equipment. One class session and two hours laboratory. Fall (10:30 Th.).
- 45 **CRAFTS** 3 Hrs.
Crafts experience provided in plastics, art metal and silver, wood carving, basketry, lapidary, and leather work. One class session and four hours laboratory. Fall and Spring (10:30 Th.).
- 51 **GENERAL METALS** 3 Hrs.
An introduction to metals and metalworking processes used in sheet metal, bench metal, forging, and foundry. One class session and four hours of laboratory. Fall and Spring (7:30 Th.).
- 60 **ELECTRICITY-ELECTRONICS I** 3 Hrs.
A study of the operations and characteristics of various electrical systems and devices with special emphasis given to Ohm's law, theory of DC and AC equipment, single and multiple phase power sources,

magnetism, induction, resistance, parallel and series circuits. Two class sessions and two hours of laboratory. Fall (9:30 M.F.).

- 62 **WOODWORKING I** 3 Hrs.
An introduction to metals, machine techniques and fabrication methods involved from forests to finished product. Spring (7:30 and 8:30 M.W.F.).
- 63 **WOODWORKING II** 3 Hrs.
An involvement with wood, wood products, and joinery with emphasis on design. Fall (7:30 and 8:30 M.W.F.).
- 66 **GENERAL MECHANICS** 3 Hrs.
A study of the basic principles which apply to internal combustion engines and power transmission units. Precision measurement techniques, use of specifications, and adjustment procedures are emphasized. Two class sessions and two hours of laboratory. Spring (12:00 T.Th.).
- 102 **INDUSTRIAL ORGANIZATION, MATERIALS AND PROCESSES** 3 Hrs.
A course designed to acquaint the student with the organization, materials and processes of American industry by actually forming a corporation and mass producing an item for sale. Special emphasis will be given to research and development, construction of jigs and fixtures, interchangeability of parts, production and inspection, distribution. Prerequisite: consent of the staff. Interterm (8:00-12:00).
- 108 **ADVANCED WOODWORKING** 3 Hrs.
Woodworking techniques as related to assembly line furniture production, patternmaking, and building industries. Fall (1:30 and 2:30 M.W.F.).
- 114 **ELECTRICITY-ELECTRONICS II** 3 Hrs.
A study of vacuum tubes, transistors, electronic circuits, relays, controls and industrial devices with emphasis upon the use and maintenance of testing and measuring equipment. Two class sessions and two hours of laboratory. Spring (9:30 M.F.).
- 172 **ARCHITECTURAL DRAWING** 5 Hrs.
All phases of home planning are included in this study. Typical problems covered are location, building codes, style, and finance. Results of the study culminate in a detailed set of house plans. Spring (9:30 M.W.F.), alternate years, 1970.
- 182 **METHODS OF TEACHING INDUSTRIAL ARTS**
(See Education.)



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- 135 HISTORY AND PHILOSOPHY OF INDUSTRIAL EDUCATION** 2 Hrs.
A study of the aims and objectives of industrial education from its early history (Pre 1870) to the present, including the philosophies of the founders. Special emphasis is placed on trends in industrial arts education and the review of current industrial education literature. Fall (7:30 T,Th).
- 141 WOOD AND METAL FINISHING** 3 Hrs.
A technical study which introduces to the student the systematic approach to the choice of finishes, the methods of preparation and the application of finishes to industrial products, classroom or home projects. Spring (1:30 and 2:30 M,W,F).
- 158 ADVANCED WELDING** 1 Hr.
An advanced study of the conventional welding processes with additional work experiences provided in inert gas welding and automatic welding processes. Industry visitation tours are a part of this study. Fall (10:30 T).
- 161 METAL LATHE** 2 Hrs.
All engine lathe operations are included in this study. In addition, this study serves as an introduction to the machine tool as a manufacturing medium, emphasizing precision measurement, standards, tolerance, time and motion study, and inspection methods. One class session and two hours of laboratory. Fall and Spring. (7:30 T).
- 164 MACHINE TOOL OPERATIONS** 2 Hrs.
An advanced study of machine tool theory. The student follows the machining of a useful product from blueprint to the finished product acquiring skill on all basic machine tools in the process. Prerequisite: LA. 161. Spring (6:00-10:00 M. evening).
- 168 AUTO MECHANICS** 3 Hrs.
An advanced study of the automobile emphasizing the diagnostic approach to unit servicing, preventive maintenance, the care and safe operation of the family automobile. Laboratory experiences are also provided in wear analysis and automotive machine shop. Spring (10:30 M,W,F).
- 180-189 PROBLEMS IN INDUSTRIAL ARTS** 1-3 Hrs.
A study in depth of some area of industrial arts. The activity must be consistent with educational aims and objectives. Prerequisite consent of the staff. Fall or Spring. By appointment.

AGRICULTURE AND RURAL LIFE

Requirements for a major: a minimum of twenty-four semester hours including 7, 22, 66, 121, 133, 142, 144, and 180.

Suggested supporting courses: Rural Sociology 30, Introductory Organic Chemistry 54, Physics 5-6, Botany 32, and Geology 194.

- 7 FARM CROPS** 3 Hrs.
A study of the principles of crop production including classification, distribution, importance, and identification of the common field crops. Fall (7:30 M,W,F).
- 22 ANIMAL HUSBANDRY** 3 Hrs.
A general survey of the livestock industry with a study of market types, classes, and grades of livestock. Spring (7:30 M,W,F).
- 24 JUDGING AND SELECTION OF LIVESTOCK** 1 Hr.
A study of type and form of beef cattle, swine, and sheep. Prerequisite: Animal Husbandry 22 or consent of instructor. Three hours of laboratory. Spring (laboratory 1:30-4:20 T.), alternate years, 1970.
- 8 POULTRY HUSBANDRY** 3 Hrs.
A study of the selection, breeding, and judging of poultry with consideration of brooding, housing, and management practices. Two class sessions and two hours laboratory. Spring (9:30 M,W., laboratory 1:15-3:00 Th.), alternate years, 1970.
- 25 DAIRY HUSBANDRY** 3 Hrs.
A study of the dairy industry including selection and breeding of dairy cattle, herd improvement, and dairy cattle management. Fall (11:30 M,W., laboratory 1:30-3:15 Th.).
- 30 LANDSCAPE GARDENING** 3 Hrs.
Application of the principles of landscape design to the development of city properties and farmsteads. Field trips are taken to well-landscaped homes in the immediate area. Spring (4:50 Th. Evening).
- 7 WELDING**
(See Industrial Arts.)
- 60 GENERAL MECHANICS**
(See Industrial Arts.)
- 118 ADVANCED JUDGING AND SELECTION OF LIVESTOCK** 1 Hr.
Comparative judging of market and breeding classes.

of livestock with emphasis on selection of breeding animals. Prerequisite: Judging and Selection of Livestock 24. Three hours of laboratory. Spring laboratory 1:30-4:20 T.), alternate years, 1970.

- 121 **AGRICULTURAL MARKETING** 3 Hrs.
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 (1:30 M.W.F.), alternate years, 1970. Interterm.
- 133 **PRINCIPLES OF FEEDING** 3 Hrs.
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 11 or equivalent. Fall (8:30 M.W.F.), alternate years, 1970.
- 134 **LIVESTOCK PRODUCTION** 3 Hrs.
Feeding, breeding, and management practices involved in the production of beef cattle, swine, and sheep. Spring (8:30 M.W.F.), alternate years, 1971.
- 142 **SOILS** 4 Hrs.
Fundamental principles underlying the formation,

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- fertility, and management of soils including physical, chemical, and biological properties. Prerequisite: Chemistry 11 or equivalent. Three class sessions and two hours laboratory. Fall (1:30 M.W.F., laboratory 1:30-3:15 T.), alternate years, 1969.
- 144 **FARM ORGANIZATION** 3 Hrs.
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 class sessions and two hours laboratory. Spring (1:30 M.W., laboratory 1:30-3:15 F.), alternate years, 1971.
- 168 **AUTO MECHANICS**
(See *Industrial Arts*.)
- 180 **SEMINAR** 1 Hr.
Restricted to seniors in Agriculture and Rural Life. Discussion and special assignments of topics in the field of agriculture with emphasis on recent developments as reported in current literature. Spring (7:30 M.).
- 180-190 **PROBLEMS IN RURAL LIFE** 1-3 Hrs.
Advanced study of specific agricultural topics. Prerequisite: consent of instructor. By appointment.

SECRETARIAL SCIENCE

NOTE: Secretarial Science 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.

- 13 **ELEMENTARY TYPEWRITING** 3 Hrs.
A course for students who have had no previous training in typewriting. The aim of this course is to obtain a working knowledge of the keyboard. Fall (8:30 M.W.F.).
- 12 **ADVANCED TYPEWRITING** 3 Hrs.
A course designed for students who wish to prepare for clerical or secretarial positions or for the teaching of typing. Accuracy, speed, and a wide variety of typing material pertaining to actual office practice is stressed. Prerequisite: Course 11 or its equivalent. Spring (8:30 M.W.F.).
- 19 **ELEMENTARY SHORTHAND** 3 Hrs.
A beginning course in Gregg Shorthand, Functional Method. The aim is to develop an understanding



MCPHERSON COLLEGE

of the basic principles of the Gregg shorthand system and to apply these principles to an extensive vocabulary. Reading of shorthand, dictation and transcription are stressed. Typewriting skill is needed for transcription. Fall (9:30 M.W.F.).

- 14 **ADVANCED SHORTHAND** 3 Hrs.
A course in Gregg Shorthand Dictation for students interested in secretarial positions or for those who wish to teach shorthand. Dictation and transcription, business vocabulary building, grammar and punctuation, and the study of business situations facing the secretary are stressed. Prerequisite: Course 13 or its equivalent. Typewriting skill is needed for transcription. Spring (9:30 M.W.F.).
- 50 **OFFICE MANAGEMENT** 3 Hrs.
A study of the problem of office management—its importance, its functions, and the application of scientific principles to office work. Spring (at Central College).
- 31 **PRODUCTION TYPEWRITING** 3 Hrs.
The objective in this course is to train each student to produce with efficiency and speed typewritten work that would be acceptable in the most exacting business offices. Drills and practice to increase office production, letters, rough drafts, legal documents, tabulation, and business forms. Spring (at Central College).
- 53 **ADVANCED DICTATION AND TRANSCRIPTION** 3 Hrs.
Extensive work with dictation and transcription machines. Technical vocabularies of business and some of the professions will be covered. The emphasis in this course will be on increasing shorthand speed and meeting business standards in transcription. Prerequisites: Typewriting and Shorthand. Fall (at Central College).
- 54 **SECRETARIAL PRACTICE AND PROBLEMS** 3 Hrs.
The study of basic secretarial principles and procedures. Special techniques necessary in the highest secretarial positions are presented. Prerequisites: Typewriting and Shorthand or permission of the instructor. Spring (at Central College).
- 55 **OFFICE MACHINES I** 2 Hrs.
Instruction and practice in the use of ten-key and full-keyboard adding machines, rotary and printing calculators, transcribing machines, and duplicating machines. Fall and Spring (at Central College).



1969

JANUARY			FEBRUARY			MARCH		
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1971

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OCTOBER			NOVEMBER			DECEMBER		
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MCPHERSON COLLEGE

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- 14 **ADVANCED SHORTHAND** 3 Hrs.
A course in Gregg Shorthand Dictation for students interested in secretarial positions or for those who wish to teach shorthand. Dictation and transcription, business vocabulary building, grammar and punctuation, and the study of business situations facing the secretary are stressed. Prerequisite: Course 13 or its equivalent. Typewriting skill is needed for transcription. Spring (9:30 M.W.F.).
- 20 **OFFICE MANAGEMENT** 3 Hrs.
A study of the problem of office management—its importance, its functions, and the application of scientific principles to office work. Spring (at Central College).
- 21 **PRODUCTION TYPENWRITING** 3 Hrs.
The objective in this course is to train each student to produce with efficiency and speed typewritten work that would be acceptable in the most exacting business offices. Drills and practice to increase office production, letters, rough drafts, legal documents, tabulation, and business forms. Spring (at Central College).
- 23 **ADVANCED DICTATION AND TRANSCRIPTION** 3 Hrs.
Extensive work with dictation and transcription machines. Technical vocabularies of business and some of the professions will be covered. The emphasis in this course will be on increasing shorthand speed and meeting business standards in transcription. Prerequisite: Typewriting and Shorthand. Fall (at Central College).
- 24 **SECRETARIAL PRACTICE AND PROBLEMS** 3 Hrs.
The study of basic secretarial principles and procedures. Special techniques necessary in the highest secretarial positions are presented. Prerequisite: Typewriting and Shorthand or permission of the instructor. Spring (at Central College).
- 25 **OFFICE MACHINES I** 3 Hrs.
Instruction and practice in the use of ten-key and full-keyboard adding machines, rotary and printing calculators, transcribing machines, and duplicating machines. Fall and Spring (at Central College).



McPHERSON COLLEGE

BOARD OF TRUSTEES

1968

Harold I. Mohler
Winston K. Goering
Ernest A. Peterson
R. Gordon Yoder

Chairman
Vice Chairman
Secretary
Treasurer

Term Expires 1969

Milford Beeghly
David Burger
Wesley W. Darrow
Galen O. Myers
Paul E. Saigeni

Pierson, Iowa
Perryton, Texas
Hutchinson, Kansas
Denver, Colorado
McPherson, Kansas

Term Expires 1970

Edward R. Frantz
Winston K. Goering
Harvey C. Lehman
Delbert Lewallen
Harold I. Mohler
Royal Yoder

Wichita, Kansas
Nampa, Idaho
Lincoln, Nebraska
Bisbee, North Dakota
Warrensburg, Missouri
Conway, Kansas

Term Expires 1971

Quinter Boserminia
John D. Bower
George W. Grove
Paul Jewell
Paul Rolston
Herman H. Sudman

Peace Valley, Missouri
McLouth, Kansas
South English, Iowa
Kansas City, Missouri
Sheldon, Iowa
McPherson, Kansas

Term Expires 1972

Earl J. Brubaker
Donald R. Ferree
P. R. Jamison
M. Clare Miller
Ernest A. Peterson

Rocky Ford, Colorado
Panora, Iowa
Ottawa, Kansas
McPherson, Kansas
Wichita, Kansas

Term Expires 1973

S. G. Hoover
Max G. McAuley
Milton L. Morrison
John E. Thomas, Sr.

Plattsburg, Missouri
Overland Park, Kansas
Salina, Kansas
Dallas Center, Iowa

Ex Officio

J. Jack Melhorn, President of McPherson College
R. Gordon Yoder, Treasurer and Business Manager of McPherson College
Merlin L. Frantz, Recording Secretary

District Executive Secretaries of the McPherson College Area of the Church of the Brethren

ADMINISTRATION

Executive

R. Yoder, Chairman, Morrison, Vice Chairman, Brubaker, F. R. Frantz, Miller, Mohler, Peterson Ex officio Melhorn

Committees of the Trustees
1968

Campus Planning

R. Yoder, Chairman, Beeghly, Bossertman, Goering, Grove, Lewallen, Myers
Ex officio: Melhorn

Development and Public Relations

Hoover, Chairman, Burger, Lehman, Miller, Peterson, Thomas Ex officio:
Albright, Melhorn

Education

Jewell, Chairman, Bower, Darrow, E. R. Frantz, Jameson, McAuley, Mohler
Ex officio: Melhorn, Zook.

Finance and Investment

R. G. Yoder, Chairman, Brubaker, Ferree, Morrison, Rolston, Sargent, Sudman Ex officio: Dell, Melhorn

J. JACK MELHORN, A.B., B.D., M.A., LL.D., Ph.D.

President

Officers of the Administration

MERLIN L. FRANTZ, A.B., M.Ed., Ed.D.

Dean of Academic Affairs

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

Dean of Student Affairs

GERALD J. HOLMAN, A.B.

Director of Development

R. GORDON YODER, B.S.

Business Manager and Treasurer

PAT L. WAGONER, A.B., B.D.

Associate Director of Development

(Alumni Affairs and Church Relations)

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

Director of Financial Aids

GROVER EUGENE MYERS, A.B., M.Ed.

Director of Admissions

E. DEAN REYNOLDS, B.S.

Registrar

HAROLD Z. BOMBERGER, A.B., B.D., S.T.M., D.D.

Pastor

McPherson Church of the Brethren

ADMINISTRATIVE COMMITTEE: Melhorn, Flory, Frantz, Holman, Lengel, Yoder.

Committees of the

EDUCATIONAL POLICIES COMMITTEE: Frantz, De Coursey, Flory, Olson, Reynolds, Rothrock, Stump. (Harris, ex officio) Students and student groups on call.

Administration and Faculty

1968-69

STUDENT LIFE COMMITTEE: Flory, Frantz, Robison, Snell.

Associates: Residence Directors, Student Union Director, Student Council President, Students and Student Groups

Subcommittee: Student Activities Committee: Snell, Ray, Robinson, Food Service Manager, Student Union Director, Student Council President, and four students elected by the Student Council

MCPHERSON COLLEGE

CONVOCATION, CHAPEL AND RELIGIOUS LIFE COMMITTEE: Coppock, Edwards, Eiler, Fischer, Frantz, Snell, Sollenberger, Student Council President, MCY President.

ACADEMIC-ADMINISTRATIVE COUNCIL: Melhorn, Frantz, De Coursey (1969), Stump (1970), Ikenberry (1971)

LIBRARY COMMITTEE: Lengel, Frederick, Harris, Honeywell, C Hughbanks, Moore, Pequetto.

ATHLETIC COMMITTEE: Green, Melhorn, S Smith, Widrig, G Yoder. On call for activities which involve student participation. M-Club President, WAA President

ADMISSIONS COMMITTEE: Reynolds, Brunk, Frantz, Hedrick, Ikenberry, Keim, Myers, and other faculty as needed

FINANCIAL AIDS COMMITTEE: Flory, Frantz, Hayes, Myers, Reynolds, S Smith, G Yoder.

RETENTION COMMITTEE: Frantz, Flory, Reynolds, and faculty advisers as needed.

TEACHER EDUCATION COMMITTEE: Rothrock, Coppock, Frantz, M Hughbanks, Krehbiel, McSpadden, Regier, Reynolds, van Asselt.

FACULTY STUDY AND PROGRAM COMMITTEE: Frantz, Coppock, Deal, Friesen, Green, Regier, Young.

Subcommittee: Social Committee of the Faculty: Friesen, Lee, Shalaby, Siek, Weaver, Welch. (The chairman of this committee is a member of the Faculty Study and Program Committee)

ACCK EDUCATIONAL POLICIES COMMITTEE: De Coursey (1969) Flory (1970); Frantz (Academic Dean).

Special Committees and Assignments

AWARDS DAY: Frantz, Flory, Hayes, Fischer, S Smith, Sollenberger, publicity director, student body president

COLLEGE HISTORY: Beechell

CULTURAL PROGRAM: Edwards, Coppock, Sherfy, Sollenberger, Wagoner, U. Yoder, a student

FACULTY LOANS: Eiler (1969), Edwards (1970), Siek (1971).

HOMECOMING: Wagoner, Myers, Snell, publicity director, Student Council President and other persons as needed

LIBRARY BUILDING COMMITTEE: Rothrock, Frantz, Harris, Ikenberry, Lengel, Melhorn, G. Yoder

PLACEMENT: Rothrock.

CAMPUS PLANNING COMMITTEE: Melhorn, De Coursey, Dirksen, Frantz, Green, Holman, Lengel, Rothrock, G. Yoder.

SCHEDULING OF COLLEGE CALENDAR: M. Dell.

SUMMER SESSION Rothrock, Eiler, Franz, Myers, Reynolds
TELEVISION AND RADIO Wagoner, Fischer, Melhorn publicity director

J. JACK MELHORN, A.B., B.D., M.A., LL.D., Ph.D.

*President of the College, Professor of Zoology (1965)**

A.B., Elizabethtown College, 1944; B.D., Yale University Divinity School, 1947; M.A., University of Southern California, 1956; LL.D., Elizabethtown College, 1965; Ph.D., University of Southern California, 1967. Taught Arnold College, 1945-47; La Verne College, 1947-65; Foreign Travel, 1967.

MERLIN L. FRANTZ, A.B., M.Ed., Ed.D.

Dean of Academic Affairs, Professor of Education and Psychology (1964, 1954)

A.B., McPherson College, 1943; M.Ed., University of Nebraska, 1953; Ed.D., University of Nebraska, 1959; National Science Institute, University of Iowa, summer, 1962. Taught Tabor College, 1956-59; Foreign Travel, 1946-48, 1966

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

Dean of Student Affairs, 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. Taught LaVerne College, 1963-64; Foreign Travel, Summers 1949, 1951, 1952, 1955, 1959, 1964.

GERALD J. HOLMAN, B.A.

Director of Development (1968)

B.A., LaVerne College, 1954.

R. GORDON YODER, B.S.

Business Manager and Treasurer (1953, 1946)

B.S., McPherson College, 1939; College Business Management Workshop, University of Omaha, summers, 1950, 1952; Foreign Travel, 1967.

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 Theological Seminary, 1933; Ph.D., University of Chicago, 1937

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; Publications Workshop Kansas State University, summer, 1962; State University of Iowa, summer 1963-1964-65.

ADMINISTRATION,

FACULTY AND STAFF

1968-69

*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

MCPHERSON COLLEGE

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

Professor of Biology (1956-1952)

A.B., McPherson College, 1949; Ph.D., University of Chicago, 1954, Institute of Marine Biology, University of Oregon, summer, 1957, Institute of Cell Biology, University of Wisconsin, summer, 1959, Institute of Protozoology, University of California at Berkeley, summer, 1966, visiting Professor, Kansas State Teachers College, summers, 1963-64, Research Associate, University of Iowa, 1968-69.

DORIS E. COPPOCK, A.B., M.A., Ph.D.

Professor of Physical Education (1964-1950)

A.B., McPherson College, 1948; University of Kansas, summer, 1950, A.M., University of Iowa, 1954, Fred Waring Music Workshop, 1955, Christensen Choral Workshop, 1957, Foreign Travel, summer, 1958, University of Nebraska, summer, 1959, University of California at L.A., summer, 1961, Ph.D., University of Iowa, 1964.

THOMAS W. DEAL, B.S., B.D., M.A.

Assistant Professor of Philosophy and Religion (1966)

B.S., Manchester College, 1960; B.D., Bethany Theological Seminary, 1963, M.A., Southern Illinois University, 1966.

WESLEY DE COURSEY, B.S., Ph.D.

Professor of Chemistry (1955-1952)

B.S., McPherson College, 1940; Ph.D., Iowa State University, 1943, Instructor, Iowa State University, 1946-52, National Science Foundation Workshop, Indiana University, summer, 1959, NSF Research Institute, Kansas University, summer, 1960, NSF Nuclear Science Institute, Washington State University, summer, 1964, NSF Inorganic Institute, University of Minnesota, summer, 1965, Fulbright Lecturer Jinnah College, Karachi, Pakistan and Tehran University, Tehran, Iran, 1965-66, Foreign Travel, summers, 1965, 1966.

SAMUEL M. ION DELI, B.S., M.S.

Professor Emeritus of Industrial Arts (1968-1941) Director Museum (1949)

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 University, summer, 1945, Foreign Travel, summers, 1952, 1955, 1965.

DENNIS A. DIRKSEN, A.B., M.S.

Assistant Professor in Industrial Arts Education (1965)

A.B., McPherson College, 1960; M.S., Kansas State Teachers College, Emporia, Kansas, 1961, Texas A and M University, Summers 1963-66, Utah State University, 1966-68.

ROBERT L. EDWARDS, B.M., M.M.

Assistant Professor of Piano and Organ (1963)

B.M., University of Wichita, 1961, M.M., University of Wichita, 1963; Ellen Battel Stoeckel Scholarship, Yale, summer, 1961, University of Southern California, summer, 1964, visiting Instructor in Organ, Wichita State University, 1965, University of Colorado, summer, 1967, University of Oregon, summer, 1968; Piano study with David Burge, Gabriel Chodas, Lillian Steuber, Harpsichord Study with John Hamilton.

DAVID I. FILER, A.B., B.D., Ph.D.

Associate Professor of Philosophy and Religion (1968-1962)

A.B., Manchester College, 1940; B.D., Bethany Theological Seminary, 1955; Th.D., Princeton Theological Seminary, 1968.

CHARLES W. FISCHER, B.A., M.A.

Assistant Professor in English/Theatre (1967)

B.A., Northwestern State College, 1964; M.A., Southern Illinois University, 1966.

LESLIE FRALEY, JR., B.S., M.S.

Assistant Professor of Physics (1965)

B.S., Ohio State University, 1957; M.S., Ohio State University, 1959; Colorado State College, 1968-69.

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

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

B.S., Manchester College, 1939; B.D., Bethany Theological Seminary, 1946; Sherwood Music School, 1944-46; M.M., Northwestern University, 1950; Wichita State University, 1962-64.

VERNON F. FRIESEN, A.B., M.S.

Assistant Professor of Mathematics (1965)

A.B., Bethel College, Kansas, 1953; M.S., University of Illinois, 1960; Case Institute of Technology, summer, 1957; University of Arizona, 1961; University of Illinois, summer, 1962; University of Kansas, summer, 1967.

BOB R. GREEN, A.A., A.B., M.A.

Assistant Professor in English (1967)

A.A., Central College, 1949; A.B., Seattle Pacific College, 1951; M.A., Kansas State Teachers College, Emporia, 1960; Kansas State Teachers College, summer, 1965; Oklahoma State University, summer, 1967.

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

Librarian, Associate Professor (1944)

A.B., McPherson College, 1939; B.L.S., Louisiana State University, 1945; M.L.S., Louisiana State University, 1955.

EMMA HOFER, B.A., M.S.

Assistant Professor in Economics (1968)

B.A., McPherson College, 1937; M.S., University of Denver, 1946; University of Nebraska, summer, 1961.

EUGENE C. HONEYWELL, B.S., M.S.

Assistant Professor in Physics (1968)

B.S., Central Missouri State College, 1967; B.S. in Education, Central Missouri State College, 1967; M.S., Central Missouri State College, 1968; Construction Technology, Iowa State University, 1962-64.

CORINNE N. HUGHBANKS, A.B., M.S.

Assistant Professor of Languages (1966)

A.B., Ashbury College, 1953; M.S., Kansas State Teachers College, Emporia, 1966; University of Nebraska, 1968.

McPHERSON COLLEGE

MONROE HUGHBANKS, A.B., M.Ed.

Assistant Professor in Education (1964)

A.B., Ashbury College, 1952; Universidad Nacional de Mexico, summer, 1956; M.Ed., Kansas State Teachers College, Emporia, 1964; Kansas State Teachers College, summer 1963, visiting consultant; Kansas State Teachers College, summer 1966; NDEA Economics Institute, University of Nebraska, summer, 1967; University of Nebraska, summer, 1968; Foreign Travel, 1953-61, summer, 1964.

GILFORD J. IKENBERRY, JR., B.S., M.S., Ph.D.

Professor of Biology (1964, 1961)

B.S., McPherson College, 1952; M.S., Oklahoma State University, 1956; Ph.D., Iowa State University, 1959; Instructor, Iowa State University, 1957-59; Assistant Professor, Michigan State University, 1959-61; Visiting Professor, Kansas State Teachers College, summers, 1962-63-64-65; Science Faculty Fellow, Yale University, 1967-68.

ROBERT E. KEIM, A.B., B.D., M.A.

Assistant Professor in Sociology (1964)

A.B., McPherson College, 1949; B.D., Bethany Theological Seminary, 1953; M.A., Sacramento State College, 1967; Kansas University, 1967.

GERALD M. KIGER, B.S., M.Ed.

Assistant Professor in Agriculture (1968)

B.S., Pennsylvania State University, 1959; M.Ed., Pennsylvania State University, 1965.



FACULTY AND STAFF

ESSE D. KREHBIEL, A.B., M.S.

Associate Professor of Mathematics (1962-1963)

A.B., Bethel College, 1952; M.S., Iowa State University, 1956; Wichita State University, summer, 1959; University of Kansas, summers, 1961, 1962; Oklahoma State University, 1965-67.

SAT KWING LEE, B.S., M.S.

Assistant Professor of Chemistry (1964)

B.S., San Diego State College, 1959; M.S., University of California at Los Angeles, 1964.

LILAND I. LENGEL, A.B., M.A., Ph.D.

Associate Professor of History and Political Science (1968, 1963)

A.B., McPherson College, 1956; M.A., Duke University, 1962; Ph.D., University of Oregon, 1968.

JEAN F. McLANE, B.A., M.A.

Assistant Professor of German (1967)

B.A., University of Oregon, 1965; M.A., University of Kansas, 1968.

DWIGHT E. McSPADDEN, A.B., M.A.

Assistant Professor in Education, Head Football and Baseball Coach (1967)

A.B., McPherson College, 1954; M.A., Colorado State College, 1964.

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

Professor Emeritus of Philosophy and Religion (1964, 1937)

A.B., Manchester College, 1920; B.D., Bethany Theological Seminary, 1921; Th.B., Princeton Theological Seminary, 1924; Ph.D., Southern Baptist Theological Seminary, 1928. Taught: Manchester College, 1927; Bethany Theological Seminary, 1925-33.

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

Professor Emeritus of Biology (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., LaVerne College, 1941.

ALMA ANDERSON MOORE, A.B., M.A.

Assistant Professor of Speech and English (1966)

A.B., McPherson College, 1921; M.A., University of Southern California, 1936; University of Wisconsin, summer 1932; University of Denver, summer, 1946. Taught: McPherson College, 1921-24; Bethel College, summers, 1929-30; Wichita State University, 1960-66.

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

Professor of Economics and Business Administration (1939)

B.S., Northern State Teachers College, South Dakota, 1928; 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; Seminar in Financial Institutions, University of Kansas, summer, 1962. Taught: Denison University, 1943-45.

McPHERSON COLLEGE

LUCIA M. PEQUENO, B.A., M.A.

Assistant Professor of Languages (1968-1967)

B.A., Wichita State University, 1966; M.A., Wichita State University, 1968

ARTHUR I. RAY, B.S., M.S.

Assistant Professor in Physical Education, Head Track Coach,

Assistant Football and Basketball Coach (1956)

B.S., Fort Hays Kansas State College, Hays, 1940; M.S., Fort Hays, Kansas State College, Hays, 1942

ARLIE J. REGIER, B.S., M.F.

Assistant Professor of Industrial Arts (1966)

B.S., Bethel College, 1953; M.F., Colorado State University, 1960

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

Dean of Women, Assistant Professor of Art (1963-1961)

B.S., Kansas State University, 1945; M.A., McCormick Theological Seminary, 1955; University of Kansas, 1948-49; Kansas State Teachers College, Emporia, summer, 1961; University of Mississippi, summer, 1962; Wichita State University, summers, 1964, 1968; Foreign Travel, summers, 1958, 1963

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

Professor of Education and Psychology (1962-1956)

A.B. McPherson College, 1947; University of Colorado, summer, 1948; M.Ed. University of Nebraska, 1951; Ed.D., University of Nebraska, 1961; Kansas State University, summer, 1967; Stanford University, spring, 1968

FAROUK M. SHALABY, B. Commerce, M.S.

Assistant Professor in Economics and Business Administration (1968)

B. Commerce (Honors), Cairo University (Egypt), 1961; M.S., University of Minnesota, 1965; Residence requirements for Ph.D. completed, Oklahoma State University

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

Professor of Home Economics (1944)

B.S., McPherson College, 1915; M.S., University of Wisconsin, 1943; Kansas State College, 1948; Kansas State Teachers College, Pittsburg, summer, 1955; Columbia University, summer, 1956; University of Denver, summer, 1957; Kansas State University, summer, 1962; University of Hagan, summer, 1964; University of Tennessee, summer, 1966; Foreign Travel, summers, 1958, 1960, 1967

ROBERT R. SMITH

Instructor in Art (1967, 1966)

Bethany College, 1961; Kansas University, summers, 1962-63; Kansas State University, 1963-65; Wichita State University, 1965-67

SIDNEY L. SMITH, A.B., M.S.

Assistant Professor in Physical Education and Director of Athletics (1967-1953)

A.B., Kansas Wesleyan University, 1936; Ft. Hays State College, summer, 1949; Colorado State College of Education, summer, 1942; Adams State College, summers,

FACULTY AND STAFF

1947, 1948, Colorado College, summer, 1949; Montana State University, summer, 1953; Concordia College, summer, 1966; M.S., Kansas State Teachers College, 1968.

GALEN R. SNELL, B.A., B.D., M.A., Ph.D.

Assistant Professor in Psychology, Dean of Men, Assistant Dean of Students (1967)

B.A., LaVerne College, 1955; B.D., Bethany Theological Seminary, 1958; M.A., University of Arizona, 1966; Ph.D., University of Arizona 1967.

RUTH M. SNELL, B.A., M.M.

Assistant Professor in Music (1968, 1967)

B.A., LaVerne College, 1955; M.M., University of Arizona, 1967.

PAUL V. SOLLENBERGER, A.B., M.M.

Associate Professor of Music Theory and String Instruments (1962, 1951)

Sherwood Music School, 1946; A.B., McPherson College, 1947; Northwestern University, summers, 1947, 1948; M.M., University of Wichita, 1961; Wichita State University, summer, 1967.

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

Professor of English (1962, 1957)

A.B., Southwestern State College, Oklahoma, 1944; M.Ed., University of Oklahoma, 1952; B.D., Bethany Theological Seminary, 1954; Ph.D. University of Oklahoma, 1964. Taught: Bethany Training School, 1952-54; Eastern New Mexico University, summer, 1964.

JAN van ASSELT, B.S., M.A., Ph.D.

Associate Professor of German and Linguistics (1965)

B.S., McPherson College, 1956; M.A., University of Colorado, 1958; Ph.D., University of California, 1965; Director of Brethren Colleges Abroad, 1967-68.

LARRY A. WELCH, B.A., M.S.

Assistant Professor in Biology (1967)

B.A., Southwestern College, 1963; Institute on Field Biology and Ecology, Sonoma State College, summer, 1965; M.S., Kansas State Teachers College, 1967.

DONALD WIDRIG, B.S., M.S.

Associate Professor in Physical Education, Head Basketball Coach (1966, 1960)

B.S., McPherson College, 1959; M.S., Kansas State Teachers College, Emporia, 1962.

ALVIN E. WILLEMS, B.S., M.S.

Associate Professor in Industrial Arts Education (1962-1950)

B.S., McPherson College, 1950; M.S., Kansas State University, 1962; Utah State University, 1967-68.

UNA RING YODER, A.B., M.A.

Assistant Professor in English, Speech and Theatre (1967-1952)

A.B., McPherson College, 1934; M.A., Kansas State Teachers College, Emporia, 1959; Kansas State University, 1964-66; Wichita State University, 1968.

McPHERSON COLLEGE

LEWIS C. YOUNG, B.S., B.D., S.T.M., Ph.D.

Associate Professor of Psychology (1966)

B.S., Carroll College, 1954; B.D., Oberlin Graduate School of Theology, 1957;
S.T.M., Andover Newton Theological School, 1960; Ph.D., Boston University, Boston,
1965.

VISITING SCHOLARS

KERIM ATTAR International Relations

B.A. Mount Holyoke College

M.A. Teachers College, Columbia University

Ph.D. Columbia University

FREDERIC BALAZS — ACCCK Orchestra

Music Director, Cincinnati Conservatory of Music

WILLIAM BRAUN — Music

B.A. Fresno State College

M.A. Fresno State College

DARRILL CASTEEL — Anthropology

B.A. Wichita State University

MARVIN GAY — Music

B.S. Brigham Young

M.M. Indiana University

ROY JUST — Sociology

A.B. Tabor College

M.A. University of Kansas

Ph.D. University of Southern California

ROBERT MESROBIAN Voice and Drama

B.F.A. Boston University

M.F.A. Boston University

Part-time Instructional Faculty

VERDA GROVE DeCOURSEY, B.S., Design

B.S., McPherson College, 1940; Iowa State University, 1947-48; Washington State
University, summer, 1964; Foreign Travel, 1965-66.

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B.S., Kansas State University, 1953

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B.A., McPherson College, 1955; M.A., University of Wisconsin, 1959; Ph.D., Univer-
sity of Wisconsin, 1967.

MILDRED I. OLSON, B.S., Secretarial Science

B.S., State University of Iowa, 1932.

MARVIN SELBERG, M.B.A., Accounting

M.B.A., University of Chicago, 1949.

JAMES E. TOMLONSON, B.S., M.Div., Philosophy and Religion

B.S., Manchester College, 1961; M.Div., Bethany Theological Seminary, 1969.

ADMINISTRATIVE ASSISTANTS AND STAFF

EARL M. FRANTZ, A.B., B.D., A.M., D.D.

Director of Capital Giving (1954, 1943)

A.B., McPherson College, 1921; B.D., Bethany Theological Seminary, 1922; A.M., University of Chicago, 1923; D.D., McPherson College, 1951.

ADMINISTRATIVE
ASSISTANTS
AND STAFF

GLY HAYES, A.B., A.M.

Director of Financial Aids (1967, 1950)

A.B., McPherson College, 1934; A.M., Colorado Agricultural and Mechanical College, 1941; University of Southern California, summers, 1951, 1958. Foreign Travel, 1945-46, summer, 1952, 1961, Europe, fall, 1965.

JERRY B. HEDRICK, Jr., B.S., M.S.

Admissions Counselor (1967)

B.S., Kansas State Teachers College, Emporia, 1942; M.S., Kansas State Teachers College, 1948.

ALICE B. MARTIN, B.S.

Registrar Emerita (1965, 1938)

Kansas State Teachers College, Emporia, 1921-23, summers, 1925; B.S., McPherson College, 1938; University of Denver, 1955; College of the Pacific, summer, 1958. Foreign Travel, summer, 1951.

EDWIN A. MOHLER, A.B.

Director of Publicity and Promotion (1969)

A.B., McPherson College, 1961.

GROVER EUGENE MYERS, B.S., M.Ed.

Director of Admissions (1967)

B.S., McPherson College, 1957; M.Ed., University of Missouri, 1962.

MERRILL F. RABER, B.S., M.S.W.

Prairie View Consultant (1967)

B.S., Goshen College, 1956; M.S.W., University of Southern California, 1962.

E. DEAN REYNOLDS, B.S.

Registrar (1963)

B.S., McPherson College, 1937.

PAUL W. SHERFY, B.S.

Assistant Business Manager (1967)

B.S., McPherson College, 1934.

PAUL WAGONER, A.B., B.D.

Associate Director of Development (1966, 1955)

A.B., McPherson College, 1949; B.D., Bethany Theological Seminary, 1953.

JAMES E. WEAVER, A.B., M.Div.

Library Assistant (1968)

A.B., McPherson College, 1964; M.Div., Bethany Theological Seminary, 1968; North-ern Illinois University, summer, 1964.

McPHERSON COLLEGE

BETTY J. BARCHESKY

Secretary to the Dean of Academic Affairs (1962)

ELIZABETH CHRISTENSEN

Director of Student Union (1962)

MARCIA COTTERILL

Manager of College bookstore (1964) Summer Supervisor of Student Union

MIRIAM W. DELL, A.B.

Secretary to the President (1957, 1951)

A.B., McPherson College, 1925.

CHRISTINA FLORY, B.S.

Assistant in the Registrar's Office (1968)

B.S., McPherson College, 1968.

J HOWARD FRIES, A.B.

Manager of College Farms, Treasurer Emeritus (1953, 1916)

A.B., McPherson College, 1925.

MARIAN K HASLETT

Secretary to the Registrar (1969, 1965)

DOROTHY M. HUBBLE

Assistant in the Business Office (1969)

ANNA MAE HULL

Secretary, Office of Publicity and Alumni Affairs (1960)

CECILE ANN JORDAN

Secretary in the Admissions Office (1968)

STANLEY J. KONICEK

Assistant Superintendent of Buildings and Grounds (1969, 1967)



ADMINISTRATIVE ASSISTANTS AND STAFF

MAHEI MARKHAM

Residence Director, Ruttinger Hall (1966)

HEILEY OLSON, R.N.

College Nurse (1968)

Johns Hopkins Hospital School of Nursing

REBECCA PUGH

Residence Director, Kline Hall (1968)

VIVIAN REA

Residence Director, Ditzinger Hall (1967)

MADONNA REYNOLDS

Secretary in the Personnel Office (1967)

EMER RUHSER

Superintendent of Buildings and Grounds (1956-1957)

ELIZABETH RUSSELL

Residence Director, Fahnstock Hall (1961)

THELMA SHEETS

Assistant in the Business Office (1966-1958)

CORRETTA TIPSON, A.B.

Assistant in the Business Office (1952)

A.B., McPherson College, 1952

BRENDA WALKER

Switchboard Operator and Receptionist (1968)

MARGUERITE WESTFALL

Residence Director, Metzler Hall (1961-1961)

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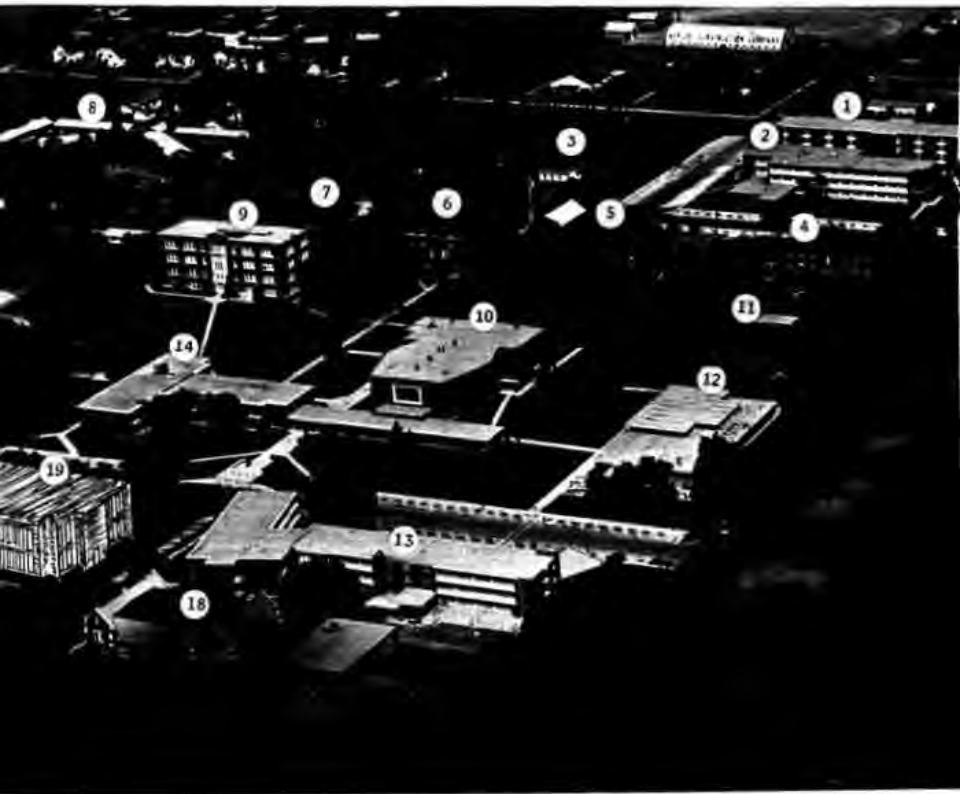
COLLEGE CAMPUS . . .

The modern, well-groomed campus of McPherson College includes:

1. Blittinger Hall, men's residence
2. Metzler Hall, men's residence
3. Mac Shack, student operated coffee house
4. Fahnstock Hall, men's residence
5. Arnold Hall, art department
6. Kline Hall, women's residence hall with cooking privileges
7. Frantz Hall, industrial arts
8. College Courts, married student apartments
9. Harnly Hall, sciences, music, agriculture
10. Brown Auditorium and Friendship Hall, art exhibit
11. Seeghly Library
12. Student Union and Cafeteria
13. Dotzour Hall, women's residence
14. Mohler Hall, administration classrooms
15. Physical Education Building
16. Tennis Courts
17. Practice Field, stadium not shown
18. Church of the Brethren
19. Miller Library, now under construction
President's home six blocks west on Euclid
City College Museum five blocks west on Euclid

McPherson College is easily accessible by public transportation. Interstate Highway 35W links McPherson with Interstate 70, a main east-west artery. Two other national highways US81 and US56 cross in McPherson. Continental Trailways Bus Lines, Santa Fe, Rock Island and Union Pacific rail services are also available in McPherson. Nearby Wichita and Salina are served by major airlines. The McPherson airport has facilities for private planes and charter flights.





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McPHERSON COLLEGE
McPherson, Kansas

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If you wish brochure material, scholarship or loan applications, an application for admission or would like a personal interview, complete the form at the bottom of this page. We will be glad to send a catalog of other materials to other prospects. Campus visits are encouraged.

REQUEST FOR MATERIALS Date

Mail to: PLEASE PRINT

Director of Admissions Name

McPherson College

McPherson, Kansas 67460 Address

Please send the following materials:

- An application for admission
- Brochure on McPherson College
- Scholarship materials

Information relative to

- 1
- 2

I am presently a (Fr, Soph, Jr, Sr) in high school.

I am a transfer student, and have completed about _____ (sem., qt.) hours at _____.

When do you plan to enter McPherson College?

If you wish others to receive materials, list names and addresses.

Signature _____

Mail to _____

DIRECTOR OF ADMISSIONS, McPherson College,
McPherson, Kansas 67460