

*Grand Canyon*  
**GRAND  
CANYON  
COLLEGE**



**1964-65**  
*Catalog*

## Directory of Correspondence

College Mailing Address    Grand Canyon College  
3300 W. Camelback Road,  
P. O. Box 11097, Phoenix, Ariz. 85017

Academic Matters and Admissions    Registrar

Alumni Affairs    Secretary of the Alumni Association

Catalog, Publicity Materials,  
and Student Publications    Director of Public Relations

Counseling    Dean of Students

Student Employment    Dean of Students

Expenses, Financial Arrangements    Business Manager

General Policy and Program,  
Faculty    Dean

Gifts and Endowment  
Legal Matters    President of the College

Housing    Dean of Students

Scholarships    Registrar

Tuition Grants for  
Ministerial Students    Chairman, Department of Religion

Student Association    Faculty Adviser, Student Association

Teacher Training    Director of Teacher Training

Veterans' Affairs    Dean of Students

### INFORMATION FOR VISITORS

The Administration Building faces toward Camelback Road and is the central one of the three block buildings on Administration Avenue.

Office hours are 8 a.m. to 5 p.m. Monday through Friday and 9 a.m. to noon Saturday, except for office holidays: Labor Day, Thanksgiving Day, Christmas Eve, Christmas Day, New Year's Day, and July 4.

Visitors are always welcome on the campus. If one anticipates a visit to the campus when offices are closed, arrangements can be made by writing to the Director of Public Relations. If a visit cannot be anticipated far enough in advance, a telephone call will often find someone at the switchboard to arrange a visit. Telephone 939-9421.

# *Grand Canyon College*

3300 West Camelback Road  
**PHOENIX, ARIZONA 85017**

A Four-Year College  
Emphasizing the  
Liberal Arts



**CATALOG FOR 1964-65**

## Foreword

It is the general purpose of Grand Canyon College to offer four years of college work in an environment that is genuinely Christian. It is the purpose of the board of trustees, the administration, and every faculty member of the College to attract capable, ambitious, well-balanced young people who can profit by a college education and who desire to enter the various fields of human endeavor: teaching, business, law, medicine, nursing, the ministry, and other church related vocations.

## Table of Contents

I. ADMISSION .....	7
II. GENERAL INFORMATION .....	15
III. STUDENT LIFE .....	25
IV. GENERAL REGULATIONS .....	35
V. FINANCIAL INFORMATION .....	43
VI. ACADEMIC PROGRAMS .....	55
VII. DEPARTMENTS OF INSTRUCTION .....	65
VIII. PERSONNEL .....	123
IX. STUDENT STATISTICS .....	135

# Academic Calendar

1964-65

## Fall Semester

Faculty and staff retreat at Prescott, Thursday .....September 3

Faculty meeting and faculty committee meetings September 2, 4

Dormitories open, Monday .....September 7

Freshman tests and conferences,  
Tuesday and Wednesday, 8:00-4:00.....September 8 & 9

Registration of seniors and transfer students,  
Tuesday, 10:00-4:00 .....September 8

Registration of sophomores & juniors,  
Wednesday, 8:00-4:00 .....September 9

Registration of freshmen,  
Thursday, 8:00-4:00 .....September 10

Instruction begins, 7:40 A.M., Friday .....September 11

Last day of registration for credit (day classes),  
Tuesday .....September 22

Last day of registration for credit (evening classes),  
Thursday .....September 24

Ministerial orientation, Wednesday .....September 30

Mid-semester examinations .....November 5, 6, 9, 10

Mid-semester grades due, Thursday .....November 12

Last day courses may be dropped without penalty,  
Friday .....November 20

Thanksgiving holidays .....November 26-29

Classes resumed, Monday .....November 30

Christmas holidays .....December 19-January 3

Classes resumed, Monday .....January 4

Final examinations for the fall semester .....January 14-20

Grade reports due in the Registrar's Office by  
5:00, Wednesday .....January 20

1964

JUNE

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28 29 30

JULY

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19 20 21 22 23 24 25  
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AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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1965

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31

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MARCH

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APRIL

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MAY

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JULY

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18 19 20 21 22 23 24  
25 26 27 28 29 30 31

AUGUST

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15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30 31

# Academic Calendar

1964-65

## Spring Semester

Registration of juniors, seniors, & transfer  
students, Monday (8:00 - 4:00) .....January 25

Registration of freshmen & sophomores,  
Tuesday (8:00 - 4:00) .....January 26

Classes begin, 7:40 A.M., Wednesday .....January 27

Thursday evening classes begin, Thursday .....January 28

Monday evening classes begin, Monday .....February 1

Last day of registration for credit (day and  
evening classes), Monday .....February 8

Mid-semester examinations .....March 15-18

Mid-semester grades due .....March 26

Last day courses may be dropped without  
penalty, Friday .....April 2

Spring holidays, Friday through Tuesday .....April 16-20

Classes resumed, Wednesday .....April 21

Baccalaureate Service, Sunday .....May 23

Commencement, Monday .....May 24

Final examinations for the spring semester .....May 20-26

Grade reports due in the Registrar's Office by  
noon, Thursday .....May 27

## Summer, 1965

Pre-session .....May 31-June 11

First Term .....June 14-July 17

Second Term .....July 17-August 20

Summer Commencement .....August 21

## Summer Sessions

In the summer session, the College offers a number of courses in each department. For information, write to the Dean of the College.

### APPRENTICE TEACHING DURING THE SUMMER SESSION

Apprentice teaching schedules are to be arranged individually in advance with the Director of Teacher Training.

Students who have degrees or who have 90 or more hours of college work and who have had teaching experience may enroll for 6 hours of elementary apprentice teaching. Prerequisite: 8 hours of Education, including Elementary Education 343 (Language Arts), and Elementary Education 353 (Elementary Curriculum and Techniques).

### ADMISSION TO THE SUMMER SESSION

Previously enrolled students in good standing are admitted as at any other time.

Prospective freshmen must file with the Registrar a complete official transcript of high school record.

Undergraduate students coming from other universities and colleges for only the Summer Session must present to the Registrar evidence that they are in good standing. Those who wish to continue in the fall semester must renew their applications and file complete transcripts of work from each institution previously attended.

Apprentice teachers must file a complete transcript and a health certificate.

### REGULATIONS CONCERNING COURSE LOAD

The maximum number of hours to be allowed during a summer term is six semester hours, unless one of the courses is a four hour course, in which case the maximum is seven hours in two courses.

### HOUSING

For information regarding dormitory reservations, write to the Registrar.

### EXPENSES

Tuition for the summer session will be \$15.00 per semester hour. Room rent in the dormitory for each five weeks period will be \$40.00; board \$60.00.

(These rates are effective for 1964 only. Rates for 1965 will be published in the 1965 Summer Bulletin.)

## I. Admission

GENERAL REQUIREMENTS

METHODS OF ADMISSION

TESTS

REQUIREMENTS PRELIMINARY TO ADMISSION

HIGH SCHOOL UNITS REQUIRED

TRANSFER STUDENTS

READMISSION

FOREIGN STUDENT ADVISER

REQUEST FOR ADMISSION FORMS

## Admission

### GENERAL REQUIREMENTS

The College is coeducational, interracial, and open to all students regardless of religious convictions.

An applicant must be at least 16 years of age.

An applicant must furnish satisfactory evidence of good moral character and, if transferring from another institution of higher learning, must furnish a certificate of honorable dismissal. An applicant is not permitted to disregard his record of any previous enrollment in any other institution of higher education.

### METHODS OF ADMISSION

A graduate of an accredited high school who ranked above the lowest quarter of his graduating class and who satisfies other requirements may be admitted to the College upon receipt of an official transcript sent directly to the College by the principal or superintendent of the high school. A high school graduate who ranked in the lowest quarter of his class may enroll on academic probation. (See page 39 for removal of probation.)

A veteran over 18 years of age who is not a high school graduate and who shows evidence of maturity and ability to do college work may be accepted on probation. Other applicants over 21 years of age may also be accepted in this manner. An applicant may be required to modify his program of studies to include remedial courses.

### TESTS

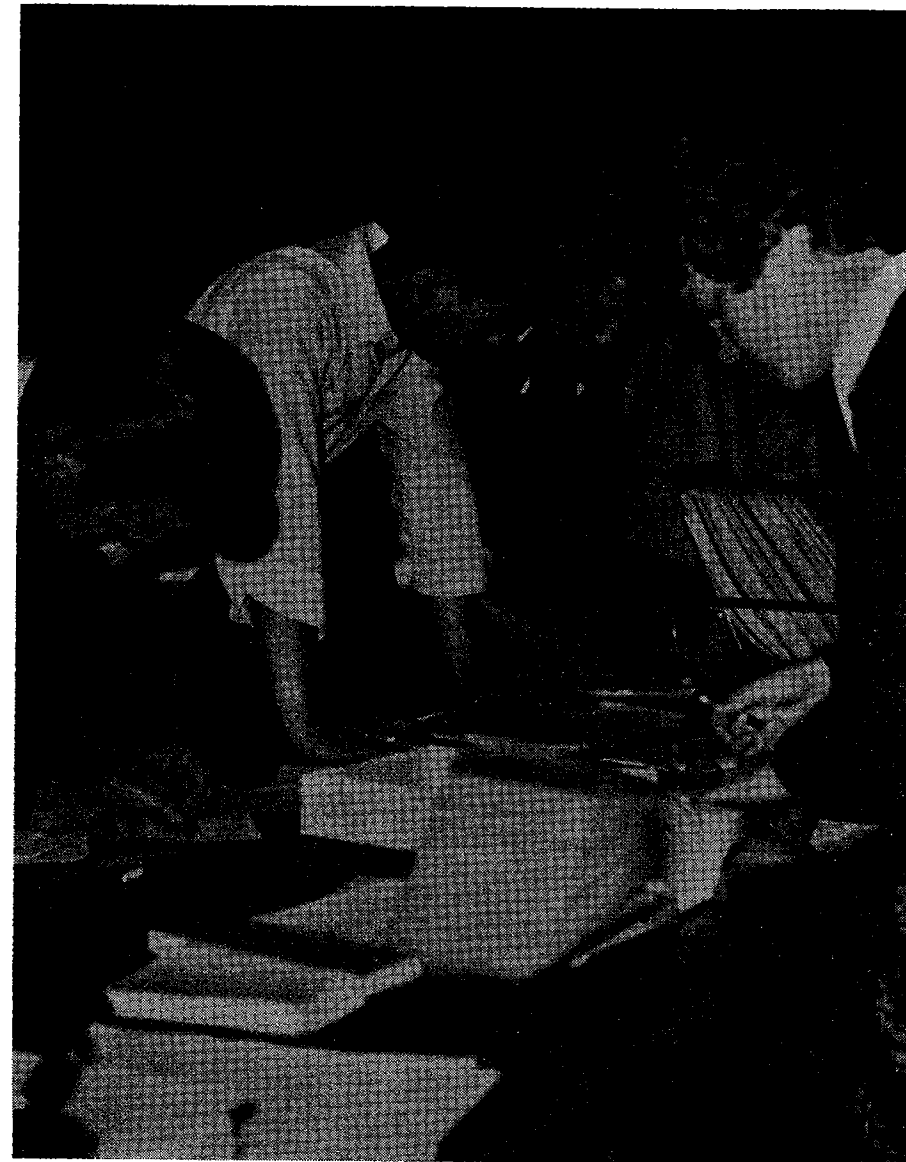
All entering freshmen are required to take the American College Test (ACT). A prospective student should take the test in his senior year and request that test scores be sent to the Registrar's Office prior to admission. Prospective students should consult the catalog for the dates of the entrance examinations, including special examinations administered by Grand Canyon College. (See also page 12 for foreign student testing program.)

### REQUIREMENTS PRELIMINARY TO ADMISSION

All prospective students must secure admission forms from the office of the Registrar. (See page 13).

Before notice of acceptance can be issued, the applicant must present the following records to the Registrar's Office:

1. A transcript of his high school record, including a statement of the rank of the applicant in his graduating class. The responsibility for requesting that the high school mail the transcript to the Registrar's Office rests with the applicant.



Registration

2. An Application for Admission on a form to be provided by the College.
3. A Health Certificate from his physician on a form to be provided by the College.
4. Three personal references on forms to be provided by the College.
5. Two recent photographs (snapshots are not acceptable). The date of photograph must be indicated.
6. A matriculation fee of \$10.00.
7. A room reservation fee of \$10.00 and application for dormitory residence on a form furnished by the College. (dormitory residents only.)

### HIGH SCHOOL UNITS REQUIRED

For regular admission to the freshman class a student must present the following units:

Subjects	Units
English* .....	4
Mathematics .....	1
Social Studies (one in history) .....	2
Science (laboratory course) .....	1
Electives .....	8

Applicants who are unable to present the above units may be admitted on academic probation. (See page 39 for removal of probation.)

### TRANSFER STUDENTS

A student transferring from another college must file all forms required under Requirements Preliminary to Admission (see preceding page), with the exception of his high school transcript.

Before enrolling, a student transferring from another college must have on file in the Registrar's office a transcript of all credits from the institution last attended. An applicant is not permitted to disregard his record of any previous enrollment in any other institution of higher education. Transcripts received through the hands of students are not acceptable as a basis for admission. It is the responsibility of the student to request that his transcripts be mailed to the Registrar.

Before enrolling, a transfer student who is eligible to be classified as a senior must also file an Application for Graduation (see page 57).

A transfer student who does not present the required high school units from an accredited high school can be admitted only on the basis of excellent work transferred and on condition that a "C" average be maintained during the first two semesters at Grand Canyon College.

\*May be satisfied with 3 units of English plus one unit in modern language or in speech

Grand Canyon College will accept credits from other recognized liberal arts colleges and from universities if the work to be transferred is not of a too highly specialized nature.

A maximum of sixty-four hours of credit will be accepted from a junior college. The College will not recognize credits earned in a junior college after the student has completed sixty-four hours of college work.

Credit will not be given for any course presented for transfer if the grade in that course is lower than a "C" or its equivalent. Quality points are not transferable. A course completed in another institution with a grade of "D" may be counted as a prerequisite for another course only upon approval of the instructor concerned.

A maximum of 30 hours of extension and correspondence work, including not more than 12 hours by correspondence, may be accepted for credit toward graduation.

The regulations concerning credit for extension and correspondence work are stated on pages 40 and 57 of the catalog.

*A Guide to the Evaluation of Educational Experiences in the Armed Services* will be used in evaluating work submitted as a result of service in the Armed Forces.

A transfer student who does not have a "C" average in college work already completed is admitted on probation.

A student who has been asked to withdraw from another college because of poor scholarship or for any other reason will be accepted only if the period of dismissal set by the former institution has elapsed or the college from which the student was asked to withdraw recommends that he be admitted to Grand Canyon College. During his first semester he may, upon recommendation of the Dean or the Academic Policies Committee, be required to withdraw if this appears to be in the best interest of the student and/or the College.

### READMISSION

A student who has not maintained continuous attendance in Grand Canyon College is required to apply for readmission on a form provided by the Registrar's office. Transcripts of all additional work completed in other institutions must be filed before readmission can be approved. (See page 58 for requirements pertaining to graduation under a particular catalog.)

### FOREIGN STUDENT ADVISER

In cooperation with the National Association of Foreign Student Advisers, Professor Wang has been designated as Foreign Student Adviser at Grand Canyon College. A foreign student interested in enrolling should communicate with Mr. Shih-Ming Wang, Grand Canyon College, P. O. Box 11097, Phoenix, Arizona, 85017.

A foreign student is required to carry medical and hospitalization insurance. Such insurance is available at nominal cost through the Business Office.

Foreign students entering Grand Canyon College will first be given a standardized language proficiency test, which will assist their advisers in determining how much of an academic load they can successfully handle and what English courses they may need.

Other students with English as a second language who fail the regular freshman entrance examination will also have an opportunity to take this test.

## REQUEST FOR ADMISSION FORMS

To the Prospective Student:

Please place a check mark preceding each of the following forms you would like the College to send to you. They will be forwarded immediately upon receipt of your request.

\_\_\_\_\_ Application for Admission and Health Certificate

\_\_\_\_\_ Application for Room Reservation (See catalog for dormitory residence regulation, Page .....)

A limited number of employment opportunities on campus are available. Should you wish to apply, check below:

\_\_\_\_\_ Student Employment Application

See catalog information on available scholarships, loans, etc. Check below:

\_\_\_\_\_ Scholarship Application

\_\_\_\_\_ Loan Application

Name (Please print) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

This request form requires no postage. Remove it from the catalog and fold it for mailing. The College address is on the reverse side.



(Fold Here)

FIRST CLASS  
PERMIT NO. 4165  
Phoenix, Arizona

**BUSINESS REPLY MAIL**

No Postage Stamp Necessary if Mailed in The United States

*Postage Will Be Paid By*

**GRAND CANYON COLLEGE**

**P. O. Box 11097**

**3300 West Camelback**

**Phoenix, Arizona 85017**

**Office of the Registrar**

(Fold Here)

## II. General Information

15

LOCATION

CONTROL

HISTORICAL SKETCH

GENERAL PURPOSE

SPECIFIC OBJECTIVES

FACULTY

STUDENTS

ACCREDITATION

THE CAMPUS

GUIDANCE PROGRAM

COUNSELING PROGRAM

TEACHER TRAINING AND PLACEMENT

ALUMNI ASSOCIATION

COLLEGE PUBLICATIONS

## General College Information

### LOCATION

The College is located in Phoenix, the capital city of Arizona. It is near the geographical center of the state and is a thriving industrial and agricultural city with a population of more than 517,000 in the metropolitan area. Phoenix can boast of being in the proximity of more scenic and historical places of interest than probably any other city in the nation, most notable of which are the Grand Canyon of the Colorado, the Petrified Forest, Montezuma Castle, Oak Creek and Walnut Canyons, and the Superstition Mountain.

Phoenix takes great pride in an enviable reputation as one of the notable winter resorts of America. Thousands of people come to Phoenix to spend the winter months in the Valley of the Sun, "Where Summer Spends the Winter."

Modern, super highways lead to Phoenix. It is easily accessible over transcontinental U. S. Highways 60, 70, 80, 66, and by way of 89A through scenic Oak Creek Canyon.

The Southern Pacific, Santa Fe, and Rock Island Railroads make Phoenix easily accessible by train. The Greyhound and Southern Trailways Bus Lines operate many schedules daily to and from Phoenix.

American, Apache, Bonanza, Frontier, Trans-World, and Western Airlines make it possible for one to arrive at or leave Phoenix almost any hour of the day.

### CONTROL

The College is owned and operated by the Arizona Southern Baptist Convention.

### HISTORICAL SKETCH

The first definite steps toward founding Grand Canyon College were taken at the annual session of the Baptist General Convention of Arizona in November, 1946. On March 4, 1947, college trustees who had been selected by the Executive Board of the Convention chose Prescott as the site for the new college and Grand Canyon College as its name. The College was chartered on August 1, 1949; it first opened its doors for instruction with the fall semester, 1949.

In September 1951 the College was moved to Phoenix, and the first permanent buildings were erected on a 160 acre campus on West Camelback Road. Dr. Eugene N. Patterson became president of the College on September 1, 1959, and led in the continued growth and expansion of the institution which the past presidents had fostered so successfully. The following men have served as president of the College:

Dr. Willis J. Ray 1949-50  
 Mr. Leroy Smith 1950-52  
 Rev. Frank Sutton (acting president) 1952  
 Dr. B. O. Herring 1952-54  
 Dr. Glenn Eason (acting president) 1954-55  
 Dr. Loyd R. Simmons 1955-58  
 Dr. Glenn Eason (acting president) 1958-59  
 Dr. Eugene N. Patterson 1959-



*Counseling*

## GENERAL PURPOSE

The purpose of Grand Canyon College is to offer four year college work leading to the bachelor's degree in an environment that is genuinely Christian. Working toward this purpose, the board of trustees, the administration, and the faculty strive to attract capable, ambitious, and well-balanced young people who can profit by a college education in this environment and who are motivated by ideals of service in the various fields of human endeavor.

## SPECIFIC OBJECTIVES

To attain the general purpose stated above, Grand Canyon College seeks to develop competent, properly balanced individual students—spiritually, mentally, socially, morally, physically, and aesthetically.

1. Grand Canyon College stresses an appreciation of spiritual realities of God's natural universe and laws, of God's institutions, and of God's plan and purpose in each individual life.

2. It endeavors to help each student use his mind in effective analysis, in accurate constructive thinking, in proper evaluation of evidence, in distinction of truth from error, and in developing creative scholarship.

3. Within the objective of social training it aims to instill proper evaluation of social values and to develop the attitudes of courtesy, enjoyment, and poise in association with people. It also seeks to instruct in the American way of life — our heritage of democracy, our traditional concern for human dignity and freedom — and to encourage each student to make a contribution to the community through service activities.

4. Through moral training the College strives to develop in each student habits of clean living, clean speech, temperance, personal decency — to develop a sense of responsibility for doing high-grade, honest work and a proper regard for the rights and feelings of others.

5. In its physical training it aims to foster habits of healthful living, physical strength, and the enjoyment of participation in a variety of recreational activities.

6. It seeks to help each student to come to a better understanding and appreciation of aesthetic values and of man's efforts toward self-expression in the creative arts.

The curriculum of the College is set up to further its purpose of developing Christian leadership and thinking in all phases of man's activities throughout the world. At all times the fact is stressed that a liberal education is offered in a Christian environment. At the same time a limited number of vocational courses such as business and education are offered.

## FACULTY

The instructional staff is selected with these objectives in mind, emphasis being placed upon character, scholarship, personality, and teaching ability. Evidences of character on the part of the staff include dynamic Christian living, regular and faithful church attendance, financial support of local and denominational institutions, active participation in church affairs, as well as maintenance of high standards of work and accomplishment for themselves and for their students equal to that of other recognized colleges and universities. Evidences of scholarship include the attainment of higher degrees earned, contributions in their fields of specialization, and habits of study and research. Teaching ability is largely judged by what the teacher's students know about a subject and by their interest and success in pursuing further study. Evidences of personality include exemplary habits, a sense of humor, self-control, humility, friendliness, sympathetic understanding, fair-mindedness, neatness in appearance, and punctuality and dependability in meeting all responsibilities in the College.

## STUDENTS

The type of students attracted to the campus will largely determine the success in achieving these goals and objectives. The students needed and desired are (1) those with capacity, personality, and background to do acceptable work; (2) those moved by ambitions of service to God and to man.

## ACCREDITATION

The College has been admitted to candidacy for membership in the North Central Association of Colleges and Secondary Schools.

The College is fully accredited by the University of Arizona, and credits are accepted on a basis of complete equality with those earned at other institutions. Graduates who have high academic records find no barriers to entering graduate schools.

The Arizona State Board of Education has given formal approval of the work done at the College for the certification of elementary teachers, for the renewal of certificates, and for the undergraduate training of high school teachers.

The College is approved by the Veterans Administration for education of veterans under Chapters 31, 33, and 35, Title 38, of the United States Code.

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may now enter the College by establishing their eligibility in the usual academic way and furnishing evidence of financial ability to support themselves while in college.

The College is listed in the Education Directory for Higher Education of the United States Department of Health, Education, and Welfare.

The College is a member of the Association of Southern Baptist Colleges and of the Council for the Advancement of Small Colleges.

### THE CAMPUS

Located in the northwest suburbs of Phoenix and surrounded on all sides by new homes, the College campus contains 160 acres. Buildings of the original campus are of low-roofed cottage style pumice block construction. They include two classroom buildings; two administration buildings; a faculty office building; a cafeteria; and Kachina Hall for Women. The Student Center, pavilion and bookstore were secured largely through the efforts of students. Grouped around a quadrangle landscaped with flowers and fast-growing Arizona shrubs and trees, all the buildings afford a view of the familiar and beautiful mountains surrounding the Valley of the Sun. While modest and unpretentious, the campus is comfortable and provides an attractive setting for the years of college living.

A campus development committee is in process of laying out the next unit of the campus to be developed. In connection with this program of more permanent and larger buildings, a gymnasium-auditorium and the Fleming Library were constructed in 1957. A new women's dormitory and health center were completed and ready for use in September, 1960. The Bessie Fleming Classroom Building completed in 1963 is air-conditioned and contains four classrooms that will accommodate seventy-five students each, two classrooms for forty students each, a conference room for approximately twenty students, the Moss Parlor, and five offices for faculty.

A new men's dormitory, a student pavilion, an addition to the library, and an extension to the cafeteria were also completed in 1963. A new bookstore will be ready for use during the summer of 1964.

### The Fleming Library

An addition to the Fleming Library completed in 1963 provides for much improved study facilities as well as greatly enlarging the capacity of the building. The new arrangement will make all the periodicals as well as the books immediately available to the users.

The College collection contains approximately 29,000 books and bound periodicals. Approximately 300 magazines and journals are received currently. Careful attention is being given to developing a collection that will adequately serve the needs of both students and faculty.

Students and faculty have access to numerous libraries within the City of Phoenix, including the State Capitol Library. The 402,740 volumes in the Capitol Library include 41,322 volumes of *Arizona* (the largest collection in existence); the federal government *Serials*; *Patent Gazettes*; departmental decisions; reports; bulletins; complete state documents and records; state, county, and municipal records on microfilm; periodicals; and 6,590 bound volumes of newspapers.

During the years, the College Library has received numerous gifts of books and money from friends, alumni, and faculty members as a supplement to the sizeable appropriations from the general budget. Some valuable gifts have also been received from other libraries.

### Music Library

The Brantner Library of Recordings, housed in the Fleming Library, is one of the finest to be found in a college of arts and sciences. A listening room was dedicated to the use of those recordings in February, 1956. The records were collected by an Arizona cowboy, Chet Brantner, of Mohave County, over a period of more than 25 years. Soon after the opening of the College, he gave his entire collection, to the end that it might furnish inspiration to the students and bring enrichment and enjoyment to the lives of many people. It is composed of approximately 559 albums which contain a total of 5,665 selections. Some of these are collectors' items and include original recording by great voices of the Golden Age, such as Caruso, Melba, Galli-Curci, and Schumann-Heink. Valued at \$20,000, the collection has representative masterworks of all the traditionally honored composers from Gluck in the eighteenth century to such contemporaries as Villa-Lobos. Other friends of the College are adding albums to this collection.

### Gymnasium-Auditorium

The red brick gymnasium-auditorium has an especially fine maple playing floor. It provides locker and shower facilities and equipment rooms for both men and women and contains office space and classrooms. A stage at one end is adequate for musical and dramatic performances. Bleachers will seat 1200; chairs on the playing floor will accommodate an additional 1500.

### Bright Angel Hall

Bright Angel Hall houses sixty women students. The building is completely air-conditioned. The rooms are large and are well furnished.

### Kaibab Hall

Kaibab Hall is a new two-story, fire-proof brick residence hall for men. It contains thirty rooms and will accommodate sixty men. The building is completely air-conditioned.

### Charles M. Cooke Health Center

The Alumni Association of the College sponsored the raising of funds for this building. It is named in honor of the College Physician, who has served the College through the years without charge. The building contains the doctor's office, two treatment rooms, the nurse's office, and a reception room. It is adequately equipped to care for the most common medical needs of students and faculty.

### GUIDANCE PROGRAM

Educational and vocational guidance services are provided without special fee to all students. These services include entrance examinations for mature students or veterans who have not completed high school, vocational interest tests, English placement tests, and psychological examinations. Test results are available to students on request.

A battery of additional educational and vocational tests is available to students who request them, for a fee of \$5.00. This service includes a vocational inventory, special aptitude tests, and general psychological examinations.

### THE COUNSELING PROGRAM

The counseling program is not a vocational guidance program but is planned to promote life adjustment and to increase the student's receptivity to the total college experience. This program is under the supervision of a special committee on counseling. The program includes all students, and members of the faculty and staff serve as counselors.

### TEACHER TRAINING AND PLACEMENT

The College offers teacher training for elementary and high school teachers. The apprentice teaching program is made possible by contract agreement with various public and private accredited schools in Arizona. All requirements for the elementary certificate may be met by majoring in the Elementary Education curriculum for a B.S. degree. After earning a B.A. or B.S. degree at this or any other college, candidates for the secondary certificate must secure a master's degree or complete 30 hours of work in a graduate school. The Arizona State Board of Education does, however, issue a pre-secondary certificate while teachers complete requirements for the secondary certificate. This certificate requires 6 hours of graduate work beyond a bachelor's degree.

A placement bureau is maintained without cost to graduates. A complete follow-up program for a period of five years is anticipated in the Teacher Placement Bureau.

### ALUMNI ASSOCIATION

The Alumni Association of Grand Canyon College was organized in the spring of 1953 as the first four-year class was graduating. The constitution, adopted at the annual Homecoming meeting in January, 1955, provides for membership of graduates and those ex-students who have completed a minimum of 12 semester hours in residence. Only graduates may hold regular elective offices. The association's official bulletin, *Antelopes About*, appears quarterly during the school year.

### COLLEGE PUBLICATIONS

The *Grand Canyon College Catalog* is the official publication authorized by the board of trustees, approved by the administration and faculty. It sets forth the policies, courses of study, academic requirements, rules, and regulations for the student body.

The *Canyon Highways* is a bimonthly bulletin published by the College for the purpose of presenting the activities of staff and students, improvements and additions to the campus, and other items of interest to schools, churches, libraries, alumni, parents of students, and all other friends of the institution. A request to be placed on the mailing list will assure regular receipt of this publication.



*Publications*

### III. Student Life

25

STUDENT CONDUCT

HOUSING

FOOD SERVICE

STUDENT HEALTH SERVICE

STUDENT MARRIAGES

RELIGIOUS LIFE

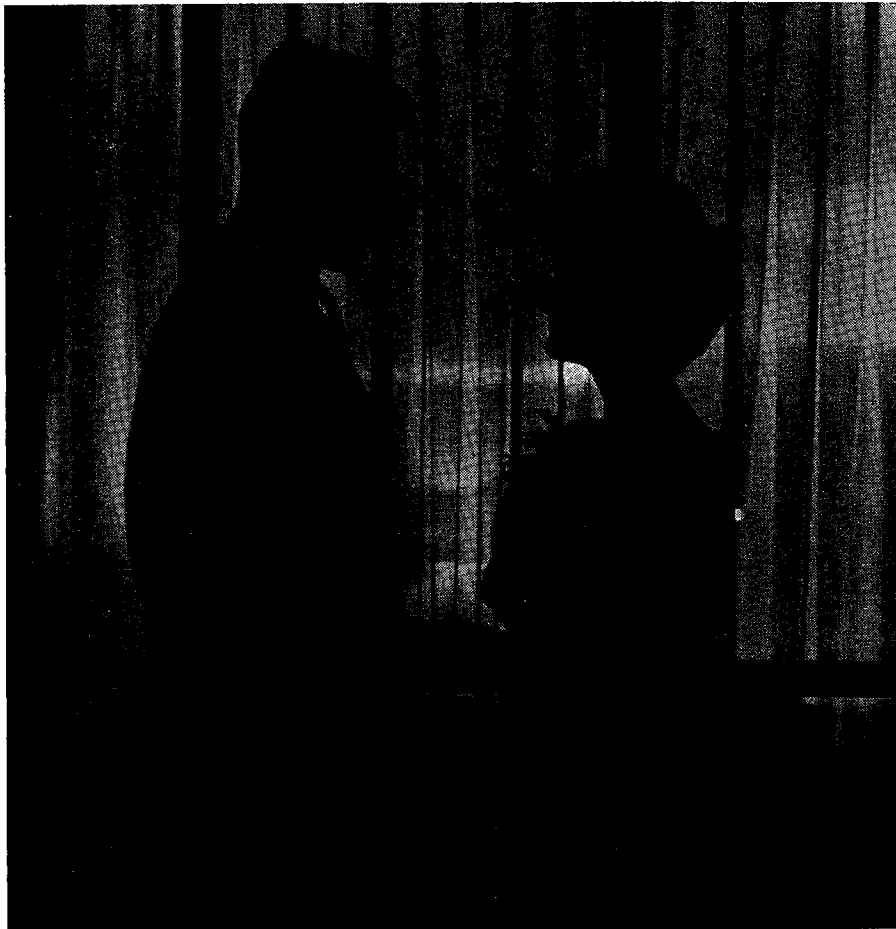
STUDENT ORGANIZATIONS

STUDENT CLUBS

STUDENT ACTIVITIES

TRADITIONAL EVENTS

PHYSICAL EDUCATION AND  
INTERCOLLEGIATE ATHLETICS



*Social Events*

*Student Life*

## Student Life

### STUDENT CONDUCT

A student registered in Grand Canyon College is expected to maintain proper conduct at all times and to obey the rules set up by the school, the laws of the City of Phoenix, of the State of Arizona, and of the United States.

Each student is charged with the responsibility of maintaining the College's standards of honesty and integrity in every realm of life. The College expects each student to demonstrate emotional stability, social responsibility, and academic competence.

Entertainment or any activity given in the name of the school or any department of the school must have the consent of the Dean of Students and be scheduled on the school calendar.

The administration and faculty must approve any new club or society which is organized and reserve the right to limit or disband any such organization.

Extracurricular activities which take students away from classes must first be approved by the Dean of Students.

No property belonging to the school or to other students may be altered or removed without special permission. Any loss, damage, or breakage of school property will be charged to the student responsible for same.

Gambling, the use of profane language, and the drinking of intoxicating liquors are entirely forbidden on or off the campus.

Smoking will not be permitted on the campus except in living quarters.

When a student does not meet the College's general standards of behavior or comply with its regulations, the College may take disciplinary action. Such action may take the form of a warning, restriction of certain privileges, suspension, or expulsion. Suspension means that the student's association with the College and with all College activities is severed for a specified period of time, perhaps for one or more semesters. Expulsion means final and permanent separation from the College.

### HOUSING

An unmarried student, unless otherwise exempt, must live in his parental home, College residence hall, or a home approved by the College. Any exception to this rule must be applied for in writing and approved by the College before the student making the request is permitted to register.

All off-campus places of residence for men or women students must be approved by the College.

The dormitories offer attractive and comfortable housing and are supervised by Hall Directors. Room assignments are made on the basis of date of application and payment of reservation fee.

The Halls are closed during the Christmas holidays but are open during other recesses. All students residing in dormitories must eat their meals in the College cafeteria.

A student is expected to be quiet and orderly in the dormitories and thoughtful of the rights of others. Each hall is governed by a Dormitory Director and a Council representing the Hall.

The College reserves the right to cancel the reservation, either before or while the student occupies the room, without stating any specific cause. The interests of the Hall as a home and sometimes the interests of the individual himself may demand that he change his residence.

The administration reserves the right to make such regulations as may seem advisable in regard to its responsibility for students who board off the campus.

### FOOD SERVICE

The College cafeteria provides well-balanced meals. A resident student is required to eat in the cafeteria. Others may buy meals on an individual basis. The cafeteria is closed during the Christmas and Spring holidays and other recesses.

Light lunches and refreshments are also available in the Student Center.

### STUDENT HEALTH SERVICE

Medical and hospitalization insurance is available at a nominal cost of \$11.00 per semester.

The College retains the services of a physician on a part-time basis. He is assisted by a graduate nurse employed by the College.

A student will be examined at such times and in such manner as may be deemed necessary by the College.

An athlete must be approved by the College Physician before being permitted to participate in major sports. Examinations will be repeated periodically during the time of such participation.

All appointments with the College Physician must be made through the College Nurse. A student who wishes to retain a physician other than the College Physician is personally responsible for the expense incurred thereby.

Chronic or congenital illness and illness contracted before entering college are not the responsibility of the College.

A student with acute contagious or childhood illness may not remain on campus. It is his responsibility to find other accommodations.

A student who has had to withdraw from college for medical reasons will be required to furnish a satisfactory health certificate before being permitted to re-enter.

### STUDENT MARRIAGES

The College stresses a Christian approach to all areas of life, including marriage and family living. In order that a foundation for this type of marriage can be laid, the College believes that an adequate period of pre-marital preparation is necessary. The College does not encourage a student to enter into marriage during the academic year since such marriages tend to create problems which concern both the student and the College. A student contemplating marriage during his college career is requested to counsel with members of the College staff.

A student who secretly marries while enrolled in Grand Canyon College will be suspended. Any student under twenty-one years of age who marries without the consent of parents or guardian will be suspended.

### RELIGIOUS LIFE

Emphasis is placed not only upon the training of the body and the mind, but also upon the development of the moral and religious nature. In chapel programs, in classrooms, and in every relation where the occasion arises, it is in accord with the policy of the College that emphasis be given to the value of Christian living. Students are encouraged to join a local church of their own faith and belief and to attend the services regularly. Various organizations provide an opportunity for service and participation both on the campus and in the community.

A Spiritual Emphasis Week is conducted each year at some time during the regular session and other periods of religious emphasis are observed, such as Religious Focus Week. Continuous emphasis upon Christian growth is maintained.

### STUDENT ORGANIZATIONS

#### Student Government

The Student Association membership includes all students registered for nine or more semester hours for the current semester. The Association elects a Council of six officers and each class elects a man and a woman representative to work with the Council.

The purpose of the Council is to provide a means of mediation for any problem that may arise from the Student Association and be a nucleus for sponsoring and coordinating campus activities, promoting faculty-student cooperation, working for campus improvements, maintaining the student's general welfare, and promoting interests which contribute both to the well-rounded individual and the development of the College.

Classes are organized and promote various projects throughout the school year.

The residence halls have a Hall Council which cooperates with the Director in governing policies for the residents.



### Student Clubs

Because Grand Canyon has a variety of campus organizations, each student may join those particularly interesting or helpful to him. These clubs and activities may be classified into Departmental and Professional Clubs, Service and Honorary Organizations, and Religious Organizations.

#### Departmental and Professional Clubs

**Canyon Business Club** seeks to inform the business student of the methods, opportunities, and the challenges of business.

**Modern Language Club** is open to those interested in the languages and cultural contributions of other racial groups.

**The Forensic Club** endeavors to promote and encourage student participation in all levels of public speaking at both the intramural and the intercollegiate levels.

**International Relations Club** aims to promote better race relations at home, better international relations, a sense of citizenship responsibility, and to stimulate study of world-wide social, economic, and political problems. Regular membership is open to all interested students. The club has regional, national, and international affiliation.

**Pierian Club** is a popular literary and social club attracting students interested in dramatics and literature. Membership is open to all students majoring or minoring in English.

**Student National Education Association** is a nationally affiliated organization for all students who plan to enter the teaching profession.

**Varsity Club** is composed of students who have lettered in sports. It serves as a social club and strives to promote more interest in athletics.

**Women's Recreation Association** seeks to provide a varied program of physical and social activities for every woman student.

#### Service and Honorary Organizations

**Alpha Psi Omega** is a national honorary dramatic fraternity to recognize and reward all phases of student participation in college play production.

**Iota Phi** is a freshmen women's scholastic and service honorary.

**Senior Women's Honorary** is a scholastic and service honorary.

#### Honors and Special Recognitions

**Ray-Maben Scholars** represent the highest scholastic honor awarded by Grand Canyon College. Graduating seniors must have a cumulative grade point average of 3.80 to be eligible for membership.

**Who's Who Among Students in American Universities and Colleges** recognizes each year a select group of students with outstanding records of scholarship, campus activities, citizenship, and promise of future success and usefulness in society.

### Religious Organizations

**Baptist Student Union** elects a council which correlates and gives assistance to all the religious activities of the school.

**Ann Hasseltine Y.W.A.** (Young Women's Auxiliary) provides an opportunity for community service and the study of local and world missions.

**Life Service Group** is open to all students who wish to do personal work on the campus, through our churches, and on the mission field. This group meets twice each month.

**Ministerial Association** meets once each month for the purpose of discussing problems pertaining to the work of the ministry. It helps the College to become a congenial home for young men who are preparing for the gospel ministry.

**Wings for Christ** is an organization which provides speakers with air transportation to distant missions and preaching stations in Arizona and outside the state. Although it is not a College sponsored organization, students participate in its activities.

**Wives of Christian Workers** consists of the wives of students preparing for church related vocations. This organization proposes to encourage the members to study God's word, to establish Christian homes, and to prepare for better life service.

### STUDENT PUBLICATIONS

*Canyon Trails* is the College yearbook, published annually by a student staff. Each holder of activity tickets for the two semesters is entitled to a free copy.

*Canyon Echoes*, the weekly campus publication, reflects the ambitions, achievements, joys and hardships of student life. It offers a splendid and frequently used vehicle for student expression and training in citizenship.

*The Antelope*, student handbook published and revised at intervals by the Student Council, makes available to every student detailed information concerning rules and procedures for approved student activities.

*Shadows*, a literary journal published by students of the advanced composition classes, contains short stories, verse, essays, and criticism contributed by the students.

## STUDENT ACTIVITIES

**Educational Tours**

An educational tour, which a student may take at cost, is arranged for each Fall and each Spring semester.

The Fall tour to the northern part of Arizona includes such points of interest as Prescott with the first state capitol and the old Governor's Mansion (now a museum), the ghost city of Jerome, Oak Creek Canyon, Walnut Canyon Cliff Dwellings, Montezuma Castle, Sunset Crater and ice caves, Snow Bowl on San Francisco Peaks, and the Grand Canyon.

The Spring tour takes the student southward to Casa Grande Ruins, old Tucson, Tumacacori National Monument, Tombstone with its famed Boot Hill Cemetery and other sites made famous by the rip-roarin' Gold Rush days, Chiricahua Mountains, open pit mines at Bisbee, Sonora Desert museum, and Nogales.

**Intramural Athletics**

During the regular academic year, a program of intramural sports is carried on in such activities as volleyball, tennis, horseshoes, badminton, softball, ping pong, etc., for both men and women.

**Drama, Radio, and Speech Activities**

The opportunities for dramatic, radio, and speech participation on the part of the student are numerous at Grand Canyon College. There are plays, operettas, a regular radio program "Campus Kaleidoscope," and opportunities for intercollegiate forensics and debate. These activities are grounded in the instruction of the regular curriculum.

**Musical Programs**

The Oratorio Society is open to all students without audition.

The Choralaires are selected after audition and constitute the choir which travels widely.

Quartets, trios, and ensembles provide opportunities for students to develop personally. Opera workshops offer possibilities for developing the individual voice.

## TRADITIONAL EVENTS

Baptist Student Union Pre-school Retreat

All-School Welcome Party

Faculty and President's Reception

All-School Picnic

State B.S.U. Convention

Harvest Festival

Tour to Grand Canyon

Spiritual Emphasis Week

High School Senior Day

Thanksgiving Breakfast

Dramatic Presentations

Needy Children's Christmas Party

Formal Christmas Dinner for International Students

Choralaires' Christmas Concert

Oratorio Society Concerts

Caroling Party

Homecoming

Spring Banquet

Choralaires' Tour

Mom and Dad's Day

Honors Day

Fall and Spring Literary Lectures

Music Recitals

Southern Arizona Tour

Choralaires' Easter Concert

Installation of Student Council

B.S.U. Spring Retreat

B.S.U. Installation Banquet

Antelope Day

Varsity Dinner

Junior-Senior Banquet

Senior Class Day

Book Review Luncheons

## PHYSICAL EDUCATION AND INTERCOLLEGIATE ATHLETICS

### Physical Education

A physical education program is correlated with the health program of the College. Four semester hours of credit in physical education are required of all students as well as three hours in health content subjects.

The physical education activity courses should be taken in the freshman and sophomore years, but for transfer students and others who have postponed this training it must be made up before graduation.

The College employs competent physical education instructors and a coach for major sports.

### Intercollegiate Athletics

Grand Canyon College believes in training the body as well as the mind and soul. Perhaps nothing encourages an interest in physical exercise more than college athletics. While it usually happens that those who are on the team are already developed and therefore do not need the intercollegiate contests for their own physical growth, most of them were originally aroused to an interest in the development of their bodies either by practicing in games or by watching the games of others.

In order that our collegiate teams may be a credit to the institution and that it will be a compliment to a student to be a member of the team, the College has adopted the following rules:

1. Only students of this institution carrying twelve or more semester hours of work shall be allowed to participate in intercollegiate or inter-scholastic contests. (See page 40 for eligibility rule.)
2. A member of the faculty shall accompany all teams when away from the College.
3. All funds shall pass through the books of the College Business Office and all checks be signed by the Business Manager. The President shall approve all contracts or orders involving money.

## IV. General Regulations

CHANGE OF COURSES

DROPPING OF COURSES

WITHDRAWAL FROM ALL COURSES

GRADING SYSTEM AND QUALITY POINTS

REPEATING OF COURSES

GRADE REQUIREMENTS

SCHOLARSHIP SUPERVISION

ACADEMIC PROBATION

GRADUATION WITH HONORS

NUMBERING OF COURSES

LOSS OF CREDIT

ELIGIBILITY FOR ACTIVITIES

ABSENCES FROM CAMPUS AND CITY

CLASSIFICATION OF STUDENTS

SELECTION OF MAJOR AND MINOR SUBJECTS

MAXIMUM COURSE LOAD

MAXIMUM NUMBER OF HOURS IN A SUBJECT

CLASS ATTENDANCE

PERMISSION TO TAKE LATE EXAMINATIONS

CHAPEL ATTENDANCE

## General Regulations

### CHANGE OF COURSES

After he has completed his registration a student may not make a change in his courses without the written consent of the professor or professors concerned and the Dean. The Business Office must also be informed of the change. Tuition may be refunded when changes are made upon the recommendation of the Dean or the President.

A student may not enroll for a new course after the last date to enroll for credit as shown in the academic calendar.

### DROPPING OF COURSES

A student may not drop a course after the end of the tenth week without receiving a grade of "F", except for very unusual reasons which will be evaluated by the Dean.

A student who discontinues a course at any time without withdrawing officially from it will be given a grade of "F" in the course.

### WITHDRAWAL FROM ALL COURSES

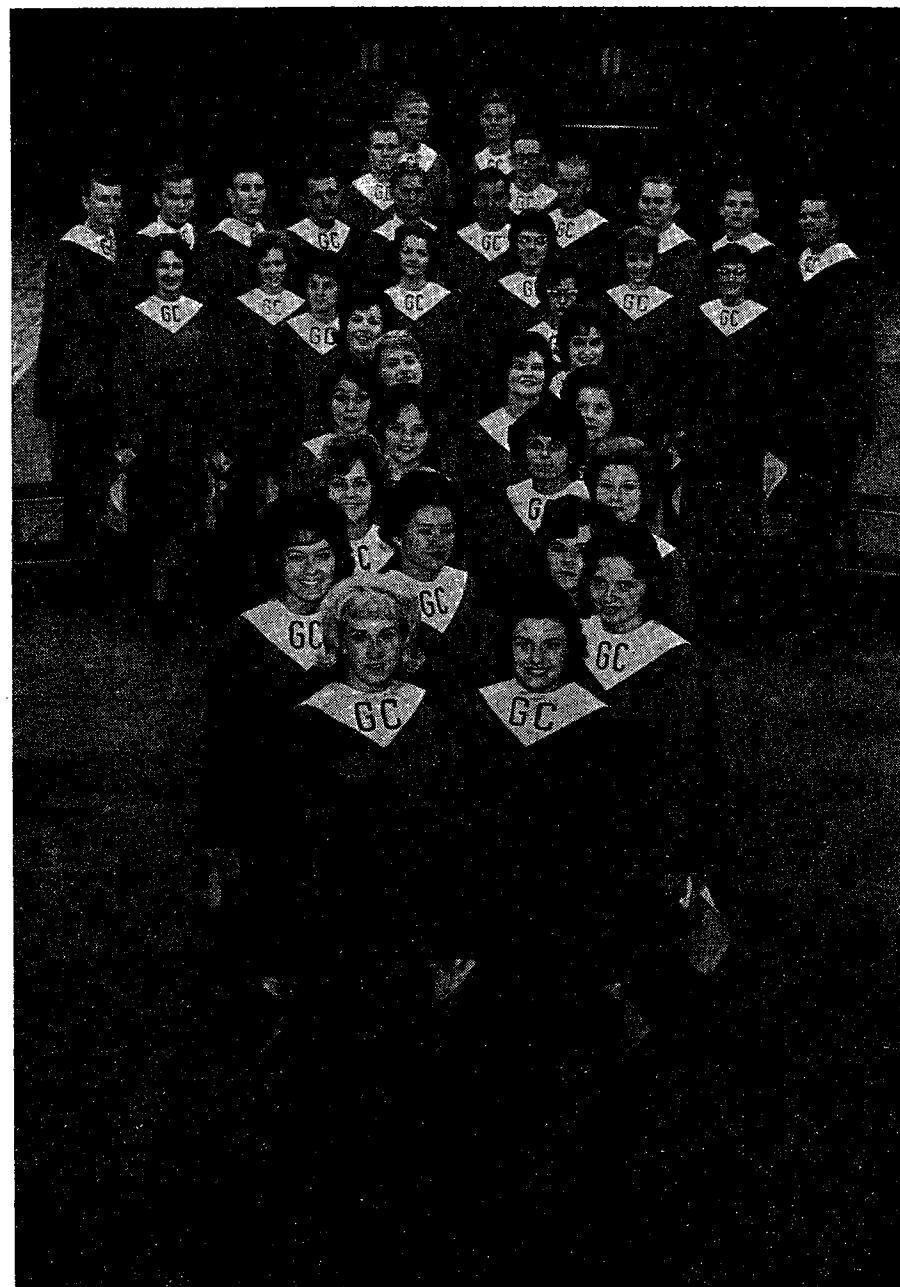
To withdraw officially from all courses a student must secure an official withdrawal form from the Registrar's Office and obtain all signatures indicated on the form. A student who officially withdraws from school at any time during a semester will be given the grade of "WP" or "WF", depending on his standing in each course at the time of his withdrawal. An unofficial withdrawal will result in automatic grades of "F".

### GRADING SYSTEM AND QUALITY POINTS

Grade	Meaning	Quality Points per Hour
A	Superior	4
B	Above Average	3
C	Average	2
D	Barely Passing	1
F	Failure or unauthorized withdrawal	0
P	Postponed	0
WP	Authorized withdrawal, passing	0
WF	Authorized withdrawal, failing	0
Cr	Credit, or requirement completed— no grade given	0

Incomplete work ("P") must be completed within the next semester. Otherwise the incomplete grade will become "F".

The grade point index is obtained by dividing the total number of grade points earned by the number of semester hours in the student's course load. Courses in which grades of "WP" or "WF" are earned are not included in determining the number of semester hours in the course load.



Choralaires

### REPEATING OF COURSES

A student may be permitted to repeat a course to raise a grade of "D" only upon recommendation of the department concerned. The last grade earned will be considered the grade of record as applied toward credit for graduation.

A grade of "F" may be remedied only by repeating the course.

### GRADE REQUIREMENTS

For graduation a student must present a minimum of 128 semester hours of credit and at least two quality points for each hour earned at Grand Canyon College. Even when more than 128 hours are presented, the number of quality points must total at least twice the number of hours earned at Grand Canyon College. A student must also have a "C" average (2.00) in his major and, except for courses in general education, he may not count in his major any course in which he made a grade below "C". A candidate for a secondary teaching certificate must have a "C+" average (2.50) in his teaching major. This rule supersedes previous grade requirements.

In calculating a student's grade point average in his major, work transferred in his major will be evaluated on the same basis as work taken at Grand Canyon College.

### ACADEMIC SUSPENSION AND DISMISSAL

A regular student classified as a freshman for two or more semesters who has a grade index of less than 1.25 at the end of the academic year will automatically be suspended for one semester. A sophomore who does not have a grade index of 1.62 by the time he earns 64 semester hours of credit will automatically be suspended for one semester. A junior or senior who does not make satisfactory academic progress may continue at Grand Canyon College only with permission of the Academic Policies Committee. Normally, a junior is expected to have a cumulative grade index of at least 1.90 by the time he earns 96 semester hours of credit. A student may not graduate at the end of a semester which he began with a cumulative grade index of less than 2.00.

A student who has been suspended must file an application for reinstatement. A student subject to academic suspension for the second time is normally dismissed and may be reinstated only under extraordinary circumstances upon recommendation of the Academic Policies Committee and approval of the dean of the college.

A person reinstated after academic suspension or dismissal remains on probation until he has removed his grade point deficiency.

The regulations in this section supersede all similar policies in previous catalogs and become effective for all students at the beginning of the fall semester of 1964.

### ACADEMIC PROBATION

A student whose cumulative average on work completed in Grand Canyon College drops below "C" will be placed on academic probation.

A freshman entering from the lowest quarter of his graduating class in high school is admitted on probation.

A transfer student with less than a "C" average in work already completed is admitted on probation.

A student who returns to Grand Canyon College on probation or after a semester of suspension will re-enter under the probation rule which applies to transfer students.

Probationary status will be removed when the student earns a cumulative average of "C" on all work taken at Grand Canyon College.

A student on probation is not eligible for special abilities scholarships (grants).

A student on probation may not be classified as a senior scheduled for graduation. (See page 40.)

### GRADUATION WITH HONORS

A student who has attended Grand Canyon College for at least two semesters in each of which he carried 12 hours or more and who has earned at least 60 hours in this institution may qualify for honors at graduation by maintaining one of the following indexes:

An index of 3.40 to 3.59 will qualify for graduation **with distinction**;

An index of 3.60 to 3.79 will qualify for graduation **with high distinction**;

An index of 3.80 to 4.00 will qualify for graduation **with highest distinction**.

In order to qualify for a given honor, a transfer student must meet or exceed the grade index requirement for that honor both on his work done at Grand Canyon College and on his total college work.

### NUMBERING OF COURSES

The courses in the different departments are numbered from 100 to 499.

Courses from 100 to 199 are freshman courses.

Courses from 200 to 299 are sophomore courses.

Courses from 300 to 399 are junior courses.

Courses from 400 to 499 are senior courses.

### LOSS OF CREDIT

Any student leaving a required freshman course until the senior year will receive one hour less credit per course for the delayed work, except for a required course in physical education activity.

A senior taking a freshman level elective course will be required to earn a minimum grade of "B" in order to receive full credit in the course. Otherwise the credit will be reduced one hour.

### ELIGIBILITY FOR ACTIVITIES

Any student may participate in any activity provided by the College except as restricted by intercollegiate regulations or regulations established for campus organizations. However, a student who is on the most recent unsatisfactory grade list must secure permission from the sponsor of that activity to participate.

Any student entering or re-entering on academic probation is ineligible to hold office in any student organization until his probationary status is removed.

### ABSENCES FROM CAMPUS AND CITY

The Dean of Women or the Dean of Students may restrict absences from the campus and city of students whose scholastic standing is in question. Absences of residents in the dormitories are further restricted by policies of the halls concerned.

### CLASSIFICATION OF STUDENTS

A student is classified as a freshman until he has 32 semester hours of credit.

A student is classified as a sophomore who has 32 to 63 semester hours of credit.

A student is classified as a junior who has 64 to 95 semester hours of credit.

A student is classified as a senior when he has 96 semester hours of credit, has earned a grade index of 2.00 or above, has passed the English qualifying examination, and has filed a plan and application for graduation. A student may not graduate at the end of a semester which he began with a grade index of less than 2.00.

A student must be officially classified as a senior when he registers for his final semester or term before graduation.

**Special** students—those students who are not working toward a degree.

**Auditors**—those students who are enrolled in regular courses for no credit.

### SELECTION OF MAJOR AND MINOR SUBJECTS

Not later than the beginning of his junior year each student must choose the department in which he wishes to major. He must then consult the head of that department regularly thereafter in selecting the courses of study to be pursued. A change of major must be approved by the two major professors concerned, the Dean, and Registrar. (See also page 60.)

### CORRESPONDENCE AND EXTENSION WORK

A maximum of 30 hours of extension and correspondence work, including no more than 12 hours by correspondence, may be allowed for graduation.

Credit for seminary extension courses may be transferred to Grand Canyon College under certain conditions. A student planning eventual transfer of these courses should secure approval from the Chairman of the Department of Religion and the Registrar before he enrolls in a seminary extension course.

Record of all correspondence and extension work transferred from another institution must be filed with the Registrar prior to enrollment in the final semester before graduation. Any such work done at any time by a student while enrolled in Grand Canyon College must have the express approval of the College.

### MAXIMUM COURSE LOAD

A boarding student will not be allowed to carry fewer than twelve semester hours of work, except upon the advice of the College Physician or by special consent of the Dean.

A freshman may not register for more than sixteen hours during the first semester. No student may register for more than seventeen hours unless during the preceding semester he made an average of "B" or above. The maximum number of hours for any student is eighteen.

The maximum number of hours to be allowed during a summer term is six semester hours, unless one of the courses is a four hour course, in which case the maximum is seven hours in two courses.

Carrying a normal course load in a college is considered to be a full-time job. For this reason the following rules have been adopted for the protection of students who find it necessary to earn part or all of their college expenses:

1. A student who has employment other than school work should not take more than sixteen hours of work.

2. A student working 30 hours or more per week who does not show satisfactory progress at the end of the first grade period may be required to reduce his course load.

### MAXIMUM NUMBER OF HOURS IN A SUBJECT

A regular student will not be allowed to take more than forty-two semester hours for credit in any one subject without special permission.

### CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The student alone assumes responsibility for all absences. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Dean of Students.

2. To secure permission to make up work missed by absence the student must account to his instructor immediately after his return to class in the manner prescribed by his instructor.

3. Regular and punctual attendance will be considered in assigning grades.

4. If a student is absent for any reason, authorized or unauthorized, more than four times the number of times the class meets per week, he will be given a grade of "F" for the course, regardless of the quality of his work in other respects. The instructor will notify the Registrar's Office in writing immediately after the maximum has been exceeded.

5. Absences on days immediately preceding or immediately following holidays must be authorized by the Dean of Students. All such absences will be recorded as double absences.

6. Class attendance records will be effective as of the first day of class meetings in each semester.

#### PERMISSION TO TAKE LATE EXAMINATION

Under certain conditions a student may be permitted to take a mid-semester or final examination which he missed. In all such cases the student must account to the instructor for his absence and must present a receipt from the Business Office showing payment of the necessary fee. (See page 45.)

#### CHAPEL ATTENDANCE

All students taking nine or more semester hours of daytime work must attend chapel. If absences from chapel exceed four times the number of chapel meetings per week, one-half semester hour of credit will be deducted from the student's academic record. For each additional four absences an additional one-half hour will be deducted.

## V. Financial Information

EXPENSES

ORGANIZATION FUNDS

PART-TIME WORK

LOANS

SCHOLARSHIPS AND TUITION GRANTS

AWARDS

## Financial Information

### EXPENSES

The regular school year is composed of two semesters. Each semester is eighteen weeks in length. Summer school sessions are called terms.

The expenses of a student are due and payable at the beginning of each semester or term and must be paid or satisfactory arrangements concerning them made with the Business Manager before the student can enroll in any class. The College has made arrangements for parents of students to finance the student's entire education or a portion thereof through Funds for Education, Inc., a company devoted to the financing of college education for students. For further information see the loans section of the catalog. If funds are not available through Funds for Education, Inc., the student may make a note with the College for a portion of his account, on which a service charge will be added to the note balance.

STUDENTS HAVING UNPAID BILLS AT THE END OF THE SEMESTER OR TERM WILL NOT BE ADMITTED TO THE FINAL EXAMINATIONS UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE. A number of loan funds are available to needy students. See the loan fund section under "Student Assistance." Arrangements for loans should be made at least two weeks before the semester ends.

There will be a \$2.00 late payment penalty for each day that the Business Office issues a permit for the student to take examinations because accounts are not cleared by the student. Permits to take examinations will be issued at the discretion of the Business Manager.

The Board of Trustees reserves the right to change all fees and charges from time to time if necessary.

### Registration Fees and Tuition

Tuition per semester hour .....	\$ 23.00
(Student taking required remedial courses will be charged \$10 per semester hour)	
Audit fee, per semester hour .....	10.00
Tuition for private lessons in voice, piano, organ and orchestral instruments, per semester (These charges take the place of semester hour charges listed above.):	
Two half-hour lessons per week (2 semester hours cr.).....	60.00
One half-hour lesson per week (1 semester hour cr.) .....	40.00
Practice room one hour per day, (Voice, Piano, or Orchestral Instruments) .....	8.00
Additional hour per day .....	2.00
Practice room one hour per day, Organ .....	10.00
Additional hour per day .....	5.00

### Other Fees

Late Entrance Examinations Fee .....	\$ 5.00
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Late Registration .....	5.00
(Financial record cards turned in to the Business Office on the third day or later after classes begin will be charged late registration fee.)	
Returned checks, each .....	2.00
Late Examination Fee .....	2.00
Permit to take late examinations, per day .....	2.00
Course changes after close of regular registration .....	2.00
Parking fee per semester	
9 hours or more .....	5.00
8 hours or less .....	2.50
Charge for registering second car .....	.50
Penalty for clearing accounts after the deadline date at the beginning of the semester if taking	
9 or more hours, penalty per week late .....	5.00
8 or less hours, penalty per week late .....	2.50
Transcript of credits, except the first .....	1.00

**Evening School Charges**

Tuition per semester hour .....	\$ 15.00
Parking fee per semester .....	1.00
Late registration .....	2.00
Audit fee, per semester hour .....	10.00
Charges for laboratory courses will be \$7.00 per laboratory course taken.	
Any student taking a day course will be considered a day student.	

**Summer School Charges**

Tuition per semester hour .....	\$ 15.00
Room per summer term (air conditioned) .....	40.00
Board per summer term .....	60.00
Student Services fee per summer term .....	2.50
Parking fee per summer term .....	1.50

**Special Charges**

Matriculation Fee (Not refundable) .....	\$ 10.00
This fee must be paid before the Registrar's Office will set up a file for a student entering Grand Canyon College for the first time. This fee does not apply to students taking evening courses only.	
Dormitory room reservation .....	10.00
(Will be applied toward room rent)	
Should the student decide not to enroll, this deposit may be refunded if the College is so notified by August 15 for the fall semester or January 15 for the spring semester.	
Breakage deposit .....	10.00

This deposit will remain in effect as long as the student plans to continue his studies and will be subject to charge for property loss or damage; breakage or violation of rules in any laboratory, department, or the library; for loss of keys; and for other miscellaneous charges. Each semester the breakage deposit will be restored to the \$10 balance if a charge has been made against the deposit during the previous semester. Upon completion or termination of the student's course of study written application may be made for refund.

**Room and Board**

Room rent will be \$150.00 per semester, which will be charged at the time the student registers. ROOM RENT IS NOT REFUNDABLE AFTER ONE WEEK FROM THE FIRST DAY OF CLASSES. Linens, towels, blankets, and pillows must be furnished by the student.

Room rent will be charged at the rate of \$1.25 per day for those students staying in the dormitories other than when the school is officially in session. These charges will apply during the Christmas holidays, between the spring and beginning of the first summer term, and between the end of the summer term and the opening of the fall semester.

A student will be billed for his board at the time he registers. The student may purchase either a five-day or a seven-day meal ticket. There will be a \$2.00 fee for changing the meal ticket after registration. There will be no refund for a student missing meals from time to time or while on college-sponsored tours. Board prices are set realizing that a student will miss meals occasionally. The cafeteria will be closed during the Thanksgiving, Christmas, and Easter vacation periods.

Board costs are as follows:

Five-day meal ticket, per semester .....	\$165.00
Seven-day meal ticket, per semester .....	200.00

Individual meals may be purchased for cash at the cafeteria by off-campus students, college staff, and guests at a rate to be determined.

**Summary of Minimum Expense for One Semester for Boarding Students**

Dormitory room .....	\$150.00
Meals in the cafeteria, seven-day meal ticket .....	200.00
Tuition (16 hours) .....	368.00
Books and supplies (estimate) .....	35.00
Medical and Hospitalization Insurance .....	11.00
Total expense for one semester .....	\$764.00
Breakage deposit (first semester only — refundable) .....	10.00
Total expense for a new student .....	\$774.00

**Refunds**

If a student is forced to withdraw from school because of sickness or other unavoidable causes approved by the administration, charge will be based on the scale listed on the next page beginning with the first day of classes.

IN ORDER TO GET A REFUND, THE STUDENT MUST MAKE AN OFFICIAL WITHDRAWAL AT THE TIME HE IS LEAVING SCHOOL. Proper forms for withdrawal may be picked up at the Registrar's Office. Refunds will not be made by the Business Office until the Registrar's Office gives the Business Office an official notice of withdrawal. Refunds are effective the date the student notifies the Registrar's Office of his withdrawal.

Attendance of one week or less	\$ 25.00
Attendance between one and two weeks	10% of total tuition
Attendance between two and three weeks	20% of total tuition
Attendance between three and four weeks	40% of total tuition
Attendance between four and five weeks	60% of total tuition
Attendance between five and ten weeks	70% of total tuition
After ten weeks	100% of total tuition

Fees are not refundable after the first week.

The minimum charge for any student withdrawing from school will be \$10.00 regardless of whether the student has attended classes or not. Minimum charge for withdrawing from the Evening School will be \$5.00. After the fifth week, refunds will be made for complete withdrawal but not for dropping individual courses.

Room rent will be charged on the basis of \$1.25 a day for the portion of a month in which a student withdraws from school, but charges are not to exceed the regular monthly charge. Meals will be charged on a proportional basis for the portion of a month in which a student withdraws. The day of withdrawal will be counted as one full day.

All refunds due a student for any reason whatsoever will be forfeited unless called for on or before June 30 of the college year in which they are due. Should June 30 fall on Sunday or on a day when the Business Office is closed, the refund will be made on the next business day.

### ORGANIZATION FUNDS

All student organizations are required to deposit their funds with the College Business Manager. The College disburses funds when requested by the sponsor and the president or treasurer of the organization.

### PART-TIME WORK

Every effort will be made to assist a student in obtaining part-time employment. Under ordinary circumstances, one who plans to earn his way should have enough money to carry him through the first semester. Money earned while working on campus will be applied toward payment of the student's account. If the student's account with the College is current, his earnings will be paid to him in cash or they may be applied to current semester's expenses or to expenses of future semesters.

A large number of jobs are available for both men and women students. Campus jobs include secretarial, switchboard, custodial, cafeteria helpers, laboratory assistants, yard work, maintenance, library assistants, accompanists for the Music Department, and dormitory assist-

ants. Campus jobs pay from 75¢ to \$1.00 an hour. In addition to campus jobs, there are many off-campus jobs available. Contact the Dean of Students in regard to off-campus jobs. Contact the Business Manager in regard to campus jobs.

### LOANS

The College strongly encourages parents needing financial assistance in sending their children to college to borrow funds through Funds for Education, Inc., which is a private agency for assisting students in getting a college education. The parents may borrow funds covering one to four years of college education. Funds are payable over a period of ninety-seven (97) months or less, depending on the amount borrowed and the repayment plan chosen. For further information write to the Business Manager.

If students are unable to finance their education from above sources, a number of other loan funds administered by the College are available. Loan applications should be made at least two weeks in advance of need. All College loans exceeding \$25.00 require a co-signer, regardless of whether the student is twenty-one years of age or not. For further information about College administered loan funds write to the Business Manager. (National Defense Loans and United Student Aid Fund loans may not require a co-signer if the student is over 21.)

**Adair Loan Fund.** Made available by Mr. and Mrs. Oliver Adair, Phoenix, Arizona. Restricted to **freshmen**.

**Anonymous Loan Fund.** An anonymous contributor established this fund for loans to be made to **ministerial** students in need.

**Lt. Stephen A. Beck Student Loan Fund.** For **senior** students who have maintained at least a "C" average every semester while attending Grand Canyon College.

**Orvilla Briscoe Memorial Student Loan Fund.** This loan fund is for **junior** or **senior ministerial** students with at least a "C" average in their work. The student may borrow up to \$250 per semester and the loan may be repaid starting four months after he ceases to be a full-time student at Grand Canyon College. After payments begin the student has 36 months to pay off the loan. This loan fund was made available by Mr. and Mrs. B. D. Gladden.

**The Katherine Brooks Loan Fund.** This fund was established by Mr. and Mrs. Troy E. Brooks. Its purpose is to assist worthy young **ladies** in the **junior** and **senior** classes who need help financially to enable them to complete their college work.

**J. W. Caperton Foundation Student Loan Fund.** This loan fund was made available by Mr. J. W. Caperton of Tunica, Mississippi, for **ministerial** students. This is a revolving loan fund for students preparing for the ministry who need access to loan funds from time to time.

**Peter H. Ethington Memorial Student Loan Fund.** These funds are provided by members of the Ethington family. Available to **all students**.

**First Baptist Church, Ajo, Arizona, Student Loan Fund.** This loan fund is available for students who have spent one year of training at Grand Canyon College and are preparing for **full-time Christian service**. The loan may be repaid starting one year after the loan is made; the first year of the loan is interest free. After the first year the note will bear 6 per cent interest per annum.

**Bessie Fleming Student Loan Fund.** Funds were provided by Dr. and Mrs. William Fleming of Fort Worth, Texas. Available to **all students**.

**National Defense Student Loan Fund.** This fund was established in 1958 by the federal government. These funds are available for needy students in any field of study although the Act specifies that "in the selection of students to receive loans . . . special consideration shall be given to (a) students with a superior academic background who express a desire to teach in elementary or secondary schools, and (b) students whose academic background indicates a superior capacity and preparation in science, mathematics, engineering, or a modern foreign language." Funds may be repaid beginning one year after the student ceases to be a full-time student. The loan may be repaid over a ten-year period.

**Navajo Loan Fund.** For the education of worthy **Navajo Indian students**. (Or other students when not needed for Navajo students). Made available by Mr. Leo Berndt, Muskogee, Oklahoma.

**Student Loan Fund.** A small revolving fund made available by members of the faculty for emergency needs. Open to **any approved student** for a maximum of \$25.

**L. B. and Mabel Vaughn Student Loan Fund.** This fund was established by Mr. and Mrs. L. B. Vaughn to make funds available for worthy students or to prospective students of Grand Canyon College in need thereof for their entrance into, and their maintenance, while attending Grand Canyon College.

**United Student Aid Funds.** This is a private, non-profit service corporation which endorses low-cost, long-term loans made by local banks to needy college students. USA Funds serves as an intermediary between the student's public-spirited hometown bank (which makes the loan at cost or below) and the student's college (which underwrites the loan by depositing funds in the USA Funds reserve.) The student must be a **sophomore, junior, or senior**, and have at least a "C" average in his work in order to get this loan. The loan may be paid back over a three-year period beginning four months after the student ceases to be a full-time student.

SCHOLARSHIPS AND TUITION GRANTS

General Regulations:

- 1. No student may receive a combination of scholarships or tuition grants administered by the College that will total more than 70% of the cost of tuition, except for the publications tuition grants which are work scholarships.

- 2. Ministerial tuition grants are available during the regular fall, spring, and summer terms. Scholarships are not available during the summer terms.
- 3. Grade average requirements for all scholarships are regulated by the Scholarship Committee.

Ministerial Tuition Grants

Tuition grants up to four years are available to ministerial students, mission volunteers, wives of ministers, and children of ministers. Ministerial students, mission volunteers, ministers' wives, and ministers' children may, when approved, be granted a maximum of the following percentages of tuition:

Those affiliated with the Southern Baptist Convention:

Ministers and mission volunteers .....	70% of tuition
Ministers' Wives .....	20% of tuition
Ministers' children .....	16% of tuition

Requirements:

- 1. The student must meet the College entrance requirements.
  - 2. The tuition grant does not apply to courses that are audited.
  - 3. The student must not use tobacco or alcoholic beverages and must be deserving.
  - 4. A minister must be licensed or ordained before the beginning of a semester for which the grant is made.
  - 5. A minister must take a first minor in Bible or Religion. (He should enroll in one such course each semester until the first minor is completed.)
  - 6. The student must attend monthly meetings of the Ministerial Association unless excused by the Head of the Department of Religion.
  - 7. No college graduate is eligible.
  - 8. Korean veterans may qualify.
  - 9. Male ministers and male or female mission volunteers affiliated with the Southern Baptist Convention are included.
  - 10. Divorced ministers are considered individually.
- For further information regarding these grants, write to the Registrar.

Departmental Scholarships

A Departmental Scholarship will be offered in each department that offers a major, in the amount of 35% of tuition.

Requirements:

- 1. A minimum residence at the College of one semester (12 hours or more).
- 2. Junior or senior standing and declaration of major in the department.
- 3. An overall average of "B" on all work taken in the College and an average of "B" in the department offering the scholarship.

### **Laura A. Wadsworth Scholarships in Education**

Students will be recommended by the Education Department to Mr. and Mrs. Acord of Houston, Texas. Upon their approval, the scholarships will be awarded to sophomores, juniors, or seniors who have demonstrated their academic as well as their activity abilities at Grand Canyon College. Two scholarships will be awarded each year.

### **Honor Scholarships**

A limited number of honor scholarships for 70% of tuition are available to freshmen during the year following high school graduation, provided they ranked in the upper 5 per cent of their classes in high schools with fewer than 1,000 students and in the upper 10 per cent in larger high schools. These scholarships are renewable for the full four years of college, provided a "B" average is maintained, and provided, further, that the student's progress in other respects is acceptable. Applicants should write to the Registrar for the necessary forms.

### **Publications Tuition Grants**

Five tuition grants for work on publications are awarded up to the following amounts per year:

- (1) Editor of *Canyon Trails*, all of tuition.
- (2) Business manager of *Canyon Trails*, all of tuition.
- (3) Editor of *Canyon Echoes*, all of tuition.
- (4) Business manager of *Canyon Echoes*, all of tuition.
- (5) School photographer, all of tuition.

Write to the Registrar for the necessary application forms.

### **Opdyke Scholarships**

Five Opdyke Scholarships in the amount of \$150 (\$75 each semester) will be awarded. The Opdyke Fund is designated for "the education of mountain people" and is awarded to worthy students who qualify. Write to the Registrar for the necessary application forms.

### **Special Abilities Scholarships**

**Athletic:**

A limited number of basketball and baseball and/or tennis scholarships for 70% of tuition will be offered. Write to the Registrar for the necessary application forms.

**Music:**

Fifteen special music scholarships in the amount of 70% of tuition will be awarded per school year. Recipients must meet the entrance requirements of the College, must be available for service at the direction of the College, and must be eligible to represent the College.

Fifteen general music scholarships will be available in the amount of 35% of tuition. The Scholarship Committee regulates conditions of awarding these scholarships. Write to the Registrar for the necessary application forms.

### **Woman's Missionary Union Scholarships**

Four scholarships of \$175 per year will be awarded to Southern Baptist women students who are mission volunteers or are engaged in full-time Christian service, who are members of churches affiliated with the Arizona Southern Baptist Convention. For information write to Woman's Missionary Union, 316 West McDowell Road, Phoenix, Arizona, 85003.

### **AWARDS**

#### **Baptist Book Store Award**

The Baptist Book Store awards annually ten dollars worth of books to the ministerial student in the senior class who makes the highest average in his grades and who is recommended by the faculty for the award.

#### **Puckett Award**

Dr. J. Niles Puckett will give annually a Thayers Greek Lexicon to the student who makes the highest average in first year Greek and who is recommended by the faculty for the award.

#### **The Pierian Award**

The Pierian Club will award, each spring semester, an appropriate gift to the junior or senior English major who has the highest scholastic average for the year. A minimum of a "B" average must be attained by the recipient.

#### **Wall Street Journal Award**

The Wall Street Journal Award is given annually to an outstanding business student recommended by the Business Department and approved by the faculty. The award includes an inscribed medallion to the student and a one-year subscription to the Wall Street Journal.

## **VI. Academic Programs**

DEGREES OFFERED

GENERAL REQUIREMENTS

GRADUATION UNDER A PARTICULAR CATALOG

CURRICULAR REQUIREMENTS

GENERAL EDUCATION

GENERAL EDUCATION REQUIREMENTS

DEGREES

MAJOR AND MINOR SUBJECTS

PRE-PROFESSIONAL TRAINING

SUGGESTED PROGRAMS

55



*Graduation*

## Graduation Requirements

### DEGREES OFFERED

The College offers curricula leading to the Degree of Bachelor of Arts and to the Degree of Bachelor of Science.

### GENERAL REQUIREMENTS

**Number of Hours and Grade Index.** The total number of semester hours required for graduation is 128 with a minimum grade average of "C." (See also page 38.)

**English Usage.** Each student classified as a junior by the Registrar's Office will take a test provided by the English Department. In case of failure, the student will retake the test in the following semester. In case of a second failure, the student will be required to enroll in English 110 and successfully complete the course. This requirement includes transfer students and must be met before a student is permitted to graduate.

A transfer student who is an upperclassman must take this qualifying examination at the time of his enrollment and, in case of failure, enroll in English 110.

Upon recommendation of two of his professors, a student may be required at any time to enroll in English 110.

**Minimum Residence.** A minimum of 6 semesters of residence in an approved college is required for graduation. Of this, at least 24 semester hours, including the 12 semester hours immediately preceding graduation, must be taken at Grand Canyon College.

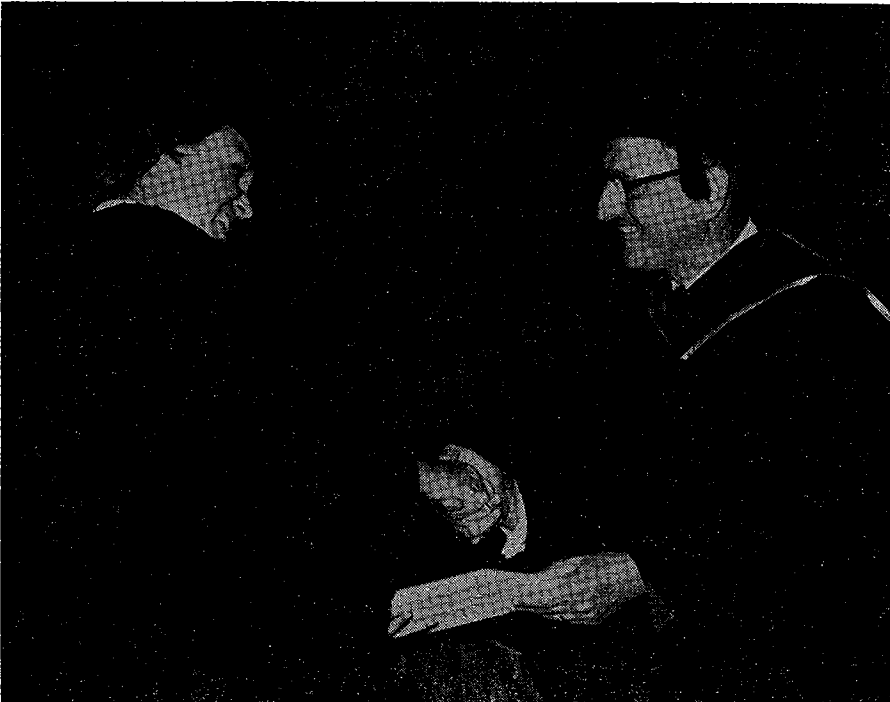
A student is required to take in residence at Grand Canyon College at least 6 upper division semester hours in his major subject and three upper division semester hours in his first minor.

**Correspondence and Extension Work.** Record of all correspondence and extension work transferred from another institution must be filed with the Registrar prior to enrollment in the final semester before graduation. (See page 40 for additional information covering correspondence and extension work.)

**Minimum Amount of Language Allowed.** No credit for graduation will be given for less than a year of language taken in college, unless the student has as much as two high school credits in the same language.

**Application for Graduation.** By the end of his junior year a candidate for graduation must file application for candidacy for a degree. No student may register as a senior until he has filed this application. A transfer student who enters as a senior must file the application before completing enrollment. Application forms may be obtained at the office of the Registrar and completed applications must be returned to the Registrar.

**Attendance At Commencement Exercises.** A graduate is expected to attend public commencement exercises. In extreme cases a student may be excused, but only upon written request, which will be presented to the faculty for vote.



*Academic Achievement*

GRADUATION UNDER A PARTICULAR CATALOG

Ordinarily, a candidate for a degree will meet the requirements as stated in the catalog in force at the time of his first matriculation. If he graduates more than 6 years after this, however, he must meet the requirements of the catalog for the year of his graduation. Any student may elect to meet the requirements of the catalog for the year of his graduation.

CURRICULAR REQUIREMENTS

The completion of the required 128 semester hours usually requires four years of 32 semester hours each including activity courses in Physical Education. Of these the freshman and sophomore years are spent in general or introductory work, comprising courses in widely separated subjects. During the remaining two years, the student may confine his work to comparatively narrow limits. The work for the entire four year course consists of (1) general education, (2) major and minor subjects, (3) electives.

General Education

General Education at Grand Canyon College has as its purpose the unifying of the initial college educational experience of every student to form a comprehensive and securely cemented foundation for a fuller and more meaningful life and for future academic pursuits. It seeks to help the student to develop an appreciation and understanding of the various areas of knowledge and creative endeavor which have contributed to the development of contemporary society and thus enable him to achieve greater social stability and a more secure personal life.

General Education seeks to provide the kinds of learning and experience during the first college years which will enable each student to choose wisely and build carefully the specialized program of studies most appropriate for him. Thus, General Education is primarily concerned with developing an awareness of the significance of various areas of knowledge to the student, their relationship to other areas of human endeavor and achievement, and their influence and potential in today's world.

General Education at Grand Canyon College seeks to help the individual student to apprehend the Christian way of life and to begin to acquire the knowledge, skills, and attitudes essential to a citizen who assumes moral and social responsibilities. It attempts to help the individual student to relate himself properly to the foundation areas listed below, which give meaning to life, and to anticipate richer and more definitive experiences in appropriate areas of specialization.

General Education Requirements

- I. SPIRITUAL FOUNDATIONS OF LIFE..... 9 hours  
Purpose: To develop an understanding and appreciation of the Bible in its historical setting and to apply its teachings to contemporary situations.
  - A. Old Testament History (Bible 113)
  - B. New Testament History (Bible 123)
  - C. Bible Elective (3 hours)

II. SOCIAL FOUNDATIONS OF LIFE.....12 hours

Historical Foundations (9 hours)  
Purpose: To educate for responsible citizenship.

- A. History of Civilization I (Hist. 113)
- B. History of Civilization II (Hist. 123)
- C. History of Civilization III (Hist. 233)

Philosophical and Psychological Foundations (3 hours)  
Purpose: To introduce the philosophical and psychological dimensions of life.

- Introduction to Philosophy (Phil. 213)\*
- or
- General Psychology (Psych. 213)\*

Students desiring 3 additional hours in Social Foundations may, with the approval of their advisers, elect options A, B, or C under Special Areas, Section VI.

III. SCIENTIFIC FOUNDATIONS OF LIFE.....11 hours

Purpose: To present matters of science and mathematics and to give experience in the scientific method of thinking and problem solving.

- A. Mathematics (Math 113)
- B. Life Science (Biol. 134 and Physics 214 or Chemistry 114
- or
- Physical Science (Physics 134) and
- Biology 114a or b or Biology 124a or b.

IV. COMMUNICATIVE ARTS .....16 hours

Composition and Rhetoric (6 hours)  
Purpose: To develop a command of the English Language, both written and spoken.

- A. Grammar and Composition (Eng. 113)
- B. Composition and Literature (Eng. 123)

English Literature and the Humanities (10 hours)  
(English Literature; Appreciation of Art and Music)  
Purpose: To help students understand and appreciate how individuals in their search for personal identity have communicated human experiences and emotions by means of literature, art and music.

- A. English Literature and the Humanities I (Humanities 215)
- B. English Literature and the Humanities II (Humanities 225)

Students desiring 3 additional hours in the Communicative Arts may, with the consent of their advisers, elect options D, E, or F under Special Areas, Section VI.

V. PHYSICAL WELL-BEING ..... 7 hours

Purpose: To develop leisure time activities and healthful habits of living.

A. Activity Physical Education (4 courses, 1 hour each)\*\*

B. Principles of Health and Personal Hygiene (H.E. 213)\*

or

School and Community Health (H.E. 333)\*

VI. SPECIAL AREAS ..... 3 hours

Purpose: To supplement and augment the general education program to meet specific needs of individual students.

A. General Psychology or Introduction to Philosophy  
(Students may elect the course not included under Section II above)

B. Principles of Economics (Econ. 213)\*

C. Principles of Sociology (Sociology 213)\*

D. History of Music (Music 333 or 343)\*

E. College Writing (3 hours)

(Advanced Composition, Business Writing, or Seminar in Writing may satisfy the College Writing area)

F. Speech (3 hours)\*

VII. MODERN LANGUAGE .....12 hours\*\*\*

(Required for BA Degree and for Science or Mathematics Major)

\*Choice determined from student's high school record and vocational objective.

\*\*Credit may be allowed on the basis of active service with the Armed Forces. (See page 85.)

\*\*\*One language only; to be taken consecutively. (See page 96.)

### Degrees Offered

The Bachelor of Arts degree will be granted to majors in Bible, English, History, Music, Psychology, Religion, Sociology, and Social Studies.

The Bachelor of Science degree will be granted to majors in Biology, Business Administration, Elementary Education, Mathematics, Mathematics Education, Music Education, and Physical Education.

### Major and Minor Subjects

By the beginning of the junior year each student is required to select one subject to be known as his major, in which he shall present at least 30 semester hours. Of these, 12 hours must be of junior-senior rank. A student must also have a "C" average in his major and, except for courses

in general education, he may not count in his major any course in which he made a grade below "C". Candidates for secondary certificates must have a "C+" (2.50) average, or above, in their teaching major.

The student must also choose two minors in subjects other than his major. His first minor must consist of not fewer than 18 semester hours. Of these, 6 hours must be from courses of junior-senior rank. His second minor must consist of not fewer than 12 semester hours.

Transfer students should consult the paragraph concerning minimum residence (page 57).

### Electives

A certain number of electives may be taken from the regular college courses offered in each department in addition to those which may be required in that particular group.

### PRE-PROFESSIONAL TRAINING

A student who desires to prepare for a career in law or in some other profession requiring a legal education may take his undergraduate pre-law work at Grand Canyon College.

The requirements for admission to law schools vary from a minimum of three years of pre-legal college work to a college degree. Whenever possible, the pre-law student should select in advance the law school he plans to attend and arrange his course of study to fit particular suggestions and requirements of that school. In any case, a thorough grounding in English, Social Studies, and Economics is recommended; and pre-law students are strongly urged to complete a course in Elementary Accounting.

The legal profession is exacting in its standards of intellectual effort, honesty, and maturity. Basic objectives of pre-legal education should be comprehension and expression in words, critical understanding of human institutions, and creative power in thinking.

### Suggested Program for Pre-Medical, Pre-Dental, and Pre-Optometry Students

Most medical colleges require three years of undergraduate work for admission, including as a minimum one year of inorganic chemistry, half year of organic chemistry, one year of general physics, half year of college mathematics, one year of zoology, half year of biology and half year of anatomy, plus foreign language\*, and humanities and social studies as electives. All these courses are offered and a proper choice of them in two years will meet a substantial part of the requirement.

\*German (or French)



### THE ARTS AND SCIENCES CURRICULA

It is assumed that many of the students who plan to major in one of these subjects will not decide until his junior year what his major and first minor will actually be. The suggestion that the first and second years be devoted almost exclusively to core curriculum requirements is to encourage the student to study in the widest possible variety of fields, in order that he may determine wherein his greatest interest lies. The following suggested program is intended primarily to serve as a guide or check sheet for the student, rather than to limit him in the first two years to the specific courses listed. Every specific course listed is, however, a required course; and the student is warned that he will lose an hour of credit for any required freshman course delayed until the senior year.

### GENERAL EDUCATION PROGRAM

#### Suggested Program for Bachelor of Arts Majors

Bible, English, History, Music, Psychology, Religion, Social Studies, Sociology

##### Freshman Year

	Fall	Spring
Bible 113, 123 .....	3	3
English 113, 123 .....	3	3
History 113, 123 .....	3	3
Life Science .....	4	
Mathematics 113 .....		3
Activity P.E. ....	1	1
Electives .....	2*	3*
	<u>16</u>	<u>16</u>

##### Sophomore Year

	Fall	Spring
Modern Language .....	3*	3*
Humanities 215, 225 .....	5	5
History 233 .....	3	
Physical Sciences .....		4
Philosophy 213 or Psychology 213 .....	3	
Activity P.E. ....	1	1
Electives .....	1	3
	<u>16</u>	<u>16</u>

##### Junior Year

	Fall	Spring
Foreign Language .....	3*	3*
Special Area Elective .....	3**	
Health Education .....		3
Major, Minor, or Electives .....	10	10
	<u>16</u>	<u>16</u>

##### Senior Year

	Fall	Spring
Bible (upper division) .....	3	
Major, Minor, or Electives .....	13	16
	<u>16</u>	<u>16</u>

\*Students continuing a modern language from high school may begin Modern Language during their freshman year.

\*\*Choice determined by the student's academic record and vocational objective from the following: General Psychology, Introduction to Philosophy, Principles of Economics, Principles of Sociology, History of Music, College Writing, or Speech courses.

### Suggested Program for Bachelor of Science Majors

Biology, Business Administration, Elementary Education, Mathematics, Mathematics Education, Music Education, Physical Education

##### Freshman Year

	Fall	Spring
Bible 113, 123 .....	3	3
English 113, 123 .....	3	3
History 113, 123 .....	3	3
Life Science .....		4
Mathematics 113 .....	3	
Activity P.E. ....	1	1
Electives .....	3	2
	<u>16</u>	<u>16</u>

##### Sophomore Year

	Fall	Spring
Philosophy 213 or Psychology 213 .....		3
Humanities 215, 225 .....	5	5
History 233 .....	3	
Physical Sciences .....	4	
Special Area Elective* .....		3
Activity P.E. ....	1	1
Major, Minor, or Electives** .....	3	4
	<u>16</u>	<u>16</u>

##### Junior Year

	Fall	Spring
Bible (upper division) .....		3
Health Education .....	3	
Major, Minor, or Electives** .....	13	13
	<u>16</u>	<u>16</u>

##### Senior Year

	Fall	Spring
Major, Minor, or Electives** .....	16	16

\*Choice determined by student's academic record and vocational objective from the following: General Psychology, Introduction to Philosophy, Principles of Economics, Principles of Sociology, History of Music, College Writing, or Speech courses.

\*\*Mathematics and Science Majors will include 12 hours of German or French to meet requirements.

### The Fifth Year Program

The fifth year program of teacher preparation at Grand Canyon College is designed to enable students to meet Arizona Teacher Certification requirements who do not plan to enter graduate school. A special fifth year program of studies is tailored to fit the needs of each individual student by special faculty committees representing various departments of instruction. Emphasis is placed on strengthening the preparation of the student in his areas of academic concentration and on broadening his education in related areas. The fifth year program of teacher preparation at Grand Canyon College was approved by the State Board of Education in 1963. Under this arrangement, students may qualify for either elementary or secondary teaching certificates. For further information, write to the Director of Teacher Training at Grand Canyon College.



*Drama*

## **VII. Divisions of Instruction**

DIVISION OF APPLIED ARTS AND SCIENCES

DIVISION OF EDUCATION AND PSYCHOLOGY

DIVISION OF HUMANITIES

DIVISION OF NATURAL SCIENCE AND MATHEMATICS

DIVISION OF RELIGION AND SOCIAL STUDIES

*Division of*

**Applied Arts  
and Sciences**

*Department of Business Administration and Economics*

BUSINESS ADMINISTRATION

ECONOMICS

SECRETARIAL SCIENCE

## Department of Business Administration and Economics

The Business Department wishes to explore the student's aptitude for further study and research in the field of business as a career and to offer a limited number of vocational and personal use courses in business. It is our aim to give some general understanding of our economy to all graduates of the College. It is the desire of the Department of Business Administration and Economics to inspire every student to practice Christian principles, personal integrity, and high ethical standards in all aspects of his business life.

### Requirements for a B.S. Degree in Business Administration (General Business Major)

Business Administration 133.....	3 semester hours
†Economics 213, 223 .....	6 semester hours
Business Administration 143 .....	3 semester hours
†Business Administration 214, 224.....	8 semester hours
Business Administration 353, 363.....	6 semester hours
Business Administration 343 .....	3 semester hours
Business Administration 373 .....	3 semester hours
Business Administration and †Economics not listed above .....	any 3 semester hours

### Requirements for a minor in Business Administration

Business Administration 214, 224 .....	8 semester hours
Economics 213, 223.....	6 semester hours
Business Administration 373 .....	3 semester hours
Electives in Business Administration .....	3 semester hours

### Requirements for a minor in Secretarial Science

*Secretarial Science 122, and 212.....	4 semester hours
**Secretarial Science 143, and 233.....	6 semester hours
Electives in Secretarial Science .....	8 semester hours

### Requirements for a minor in Economics

†Economics 213, 223 .....	6 semester hours
Economics 333 .....	3 semester hours
Electives in Economics.....	9 semester hours

NOTE: B.A. 313 and B.A. 323, **Intermediate Accounting**; B.A. 433, **Cost Accounting**; and B.A. 443, **Income Tax Accounting** will be offered upon sufficient demand. It is expected that a minor in accounting will be reinstated in the future.

\* A maximum of 6 hours credit in Typewriting will be allowed.

\*\* A maximum of 6 hours credit in Shorthand will be allowed.

† Duplicate credit will not be allowed for a student's major and minor, but when used for a minor these courses will not be required in the General Business Major.

## Division of Applied Arts and Sciences

The courses in the Division of Applied Arts and Sciences are aimed toward implementing the broad liberal arts objectives of the College, with the specific purpose of preparing students to fill places of responsibility in business education, and in the economic community as well as other areas of the applied arts and sciences.

**Summary of Program for Business Majors Planning to Teach**

Bible 113, 123.....	6 semester hours
Bible (Upper Division) .....	3 semester hours
English 113, 123, Humanities 215, 225 .....	16 semester hours
Health Education 333.....	3 semester hours
Natural Science .....	8 semester hours
Physical Education .....	4 semester hours
History (Social Studies) .....	6 semester hours
Government 213, 233 .....	6 semester hours
General Business courses required for a B.S. Degree in	
Business Administration as listed above .....	35 semester hours
General Psychology (Social Studies).....	3 semester hours
Education (See below for required courses).....	22 semester hours
Minor and Electives (Teachers should minor in	
Secretarial Science) .....	13 semester hours
Math 113 .....	3 semester hours

128

The 25 hours listed below for education are required at Grand Canyon College and may be taken in a block during one semester, with the exception of Education 112, H.S.Ed. 323, and H.S.Ed. 443, which must be taken before the education block is taken. The General Psychology course listed above must also be taken before the education block is taken.

Educ. 112 Introduction to Education.....	2 semester hours
H.S. Ed. 323 High School Methods and Procedures ....	3 semester hours
H.S. Ed. 443 Curriculum and Principles of Secondary Education	3 semester hours

**Education Block**

(Taken latter part of junior year or first part of senior year)

Educ. 313 Educational Psychology .....	3 semester hours
Educ. 321 Orientation to Apprentice Teaching.....	1 semester hour
Educ. 413 Tests and Measurements .....	3 semester hours
Educ. 422 History of Education .....	2 semester hours
H.S. Ed. 328 Apprentice Teaching in High School .....	8 semester hours

25

Psychology 382 is required, but it may be taken after the block.

**BUSINESS ADMINISTRATION**

B.A. 133. **Introduction to Business Principles.** Emphasis is placed upon function, organization, and services of business including such specific problems as location, finance, personnel, and marketing. (Each fall)

3 semester hours

B.A. 143. **Business Mathematics.** A basic course in the principles of mathematics as related to business including fundamental mathematical operations as interest and discount, annuities, depreciation, ratio and proportion, and use of graphs with mathematical computations. (Each spring)

3 semester hours

B.A. 214. **Principles of Accounting.** An introduction to the fundamental principles and practices of accounting; the construction and interpretation of balance sheets and of profit and loss statements; the theory of debits and credits as applied to business transactions. (Each fall)

4 semester hours

B.A. 224. **Principles of Accounting.** A continuation of 214. An application of accounting principles to certain specialized problems under the various forms of business organization. Manufacturing accounts and manufacturing cost and controls; accounting for fire losses, bonds and sinking funds. (Each spring)

4 semester hours

B.A. 243. **Business Machines.** (Same as Sec. Sci. 243). This course is designed to give the student instruction in the use of modern business machines and will include the ten-key and full-key adding machine, printing calculator and rotary calculator, and the comptometer, along with other modern-day office machines. (Each semester)

3 semester hours

B.A. 343. **Business Statistics.** (Same as Mathematics 363). Prerequisites: B.A. 143; Mathematics 113 or 133. (Each fall)

3 semester hours

B.A. 353. **Business Law.** This course includes laws of persons, tort, contract, agency, private property, sales, negotiable instruments, and insurance. Prerequisite; Economics 213. (Fall 1965, and alternate years)

3 semester hours

B.A. 363. **Business Law.** A continuation of 353. Laws as related to the forms of modern business; individual proprietorships, partnerships, corporations. Prerequisite: B.A. 353. (Spring 1966, and alternate years)

3 semester hours

B.A. 373. **Principles of Management.** An introduction to scientific organization and management as it applies to American business and industry. A survey of the major problems facing management at all levels; especially as applied to internal organization problems, production costs, and personnel policies. Prerequisite: Junior standing or consent of instructor. (Fall, 1964, and alternate years)

3 semester hours

B.A. 383. **Business Writing.** (Same as Sec. Sci. 383). Practice in the writing of effective business letters and reports; includes the mechanics and format of business correspondence and training in the organization and writing of business reports. Prerequisite: Ability to use the typewriter. (Spring 1966 and alternate years)

3 semester hours

**B.A. 393. Principles of Marketing.** This course includes an examination of our present marketing structure, commodities, institutions, and social and economic trends. Prerequisite: Economics 213. (Spring 1966, and alternate years) 3 semester hours

**B.A. 423. Corporation Finance.** (Formerly Industrial Organization and Combination) This course includes an examination of the principles and policies of corporate practice; types of securities and their limitations; promotion, syndicating and selling; operating and maintenance policies; combinations, failure and problems of social control. Prerequisite: B.A. 214, 223; Economics 213. (Fall 1964, and alternate years) 3 semester hours

### ECONOMICS

**Economics 213. Survey of Economics.** A brief survey of basic economic concepts, principles, and business practices. Includes a study of such topics as the various economic systems, corporations, specialization in production, the monetary system, distribution of income, government spending, taxes, public debt, the price system, monopoly, and labor problems. (Each fall) 3 semester hours

**Economics 223. Principles of Economics.** A continuation of Economics 213, with special emphasis on a more intensive study and application of advanced economic analyses related to present-day problems. Required of all business administration majors and minors and economics minors. Prerequisite: Economics 213 or equivalent. (Each spring) 3 semester hours

**Economics 233. Economic Geography** (formerly Economics 323). A study of the products of agriculture, commerce, and industry, and the conditions which affect their production, exchange, and consumption. Prerequisite: Economics 213. (Second term, summer 1964) 3 semester hours

**Economics 243. Consumer Economics.** This course will make a study of standards of living; consumer income and expenses; retailing and distribution of consumer goods, consumer credit; laws which affect consumers; and survey of budgeting, investments, and taxes. It is a survey of the modern trends with which the consumer should be familiar. Prerequisite: Economics 213. (Fall 1964, and alternate years) 3 semester hours

**Economics 333. Economic History of the United States.** (Same as History 383) The progress of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisite: Economics 213. (Spring 1966, and alternate years) 3 semester hours

**Economics 363. Money, Banking, and Credit** (formerly Money & Banking) A general survey of the subject; commercial banking operations; the Federal Reserve System; the qualities of a good monetary system; the theory of value of money; money and banking history; deposit insurance; foreign exchange. Prerequisite: Economics 213. (Fall 1965, and alternate years) 3 semester hours

**Economics 453. Comparative Economic Systems.** A study of the forms of economic organization, the economic policy and obligations of Capitalism, Socialism, Communism, and Fascism. An analytical comparison of Capitalism and the other economic systems. Prerequisite: Economics 213. (Fall 1965, and alternate years) 3 semester hours

### SECRETARIAL SCIENCE

**Secretarial Science 113. Typewriting.** This course is for students who cannot type thirty words per minute or students just beginning typewriting. It covers a general knowledge of the care and operation of the typewriter, mastery of keyboard, and copying plain copy. 3 hours class periods weekly, 2 hours lab periods. (Fall 1964) 3 semester hours

**Secretarial Science 122. Typewriting.** Intermediate work in typing, to be taken when a speed of at least thirty words per minute has been attained. Practice in letter writing, tabulation, business forms, rough drafts and special emphasis on speed. 3 hours class periods weekly. (Spring 1965) 2 semester hours

**Secretarial Science 212. Typewriting.** Emphasis on building speed as it applies to office production techniques, including transcription, reports, tabulation forms, and duplicating processes. Prerequisite: Secretarial Science 123. 3 hours class periods weekly. (Fall 1965) 2 semester hours

**Secretarial Science 133. Shorthand.** This course aims to master the principles of Gregg Shorthand, with drills in the correct formation of word outlines and phrase forms, the study of brief forms, and daily reading from shorthand plates. Students who have had shorthand previously may qualify for Sec. Sci. 143 by meeting the standards for that course. 3 hours class periods, 2 hours lab periods. (Fall 1964) 3 semester hours

**Secretarial Science 143. Shorthand.** A continuation of 133. Additional study in phrasing and practice in reading shorthand and taking dictation. Speed attainment in dictation of 80 words per minute. 3 hours class periods, 2 hours lab periods. (Spring 1965) 3 semester hours

**Secretarial Science 223. Dictation and Transcription.** Speed dictation and transcription with emphasis on accuracy and good form in preparing mailable letters. Prerequisite: Sec. Sci. 143. 3 hours class periods. (Fall 1965) 3 semester hours

**Secretarial Science 243. Business Machines.** See Business Administration 243 for course description. (Each semester) 3 semester hours

**Secretarial Science 313. Office Practice.** A practical course in the techniques of office methods; secretarial duties and procedures; filing; organization and arrangements of the office; office equipment and supplies. Prerequisite: Secretarial Science 123 or equivalent. (Fall 1964) 3 semester hours

**Secretarial Science 383. Business Writing.** See Business Administration 383 for course description. (Spring 1966, and alternate years) 3 semester hours

*Division of*

**Education and  
Psychology**

*Department of Education and Psychology*

*Department of Health and Physical Education*

EDUCATION

ELEMENTARY EDUCATION

SECONDARY EDUCATION

PSYCHOLOGY

LIBRARY SCIENCE

HEALTH EDUCATION

PHYSICAL EDUCATION

## ***Division of Education and Psychology***

This Division is oriented toward the general purpose and liberal arts objectives of Grand Canyon College. It emphasizes general education as a foundation for specialized study and contributes toward the realization of a liberal background through its non-technical courses in psychology, health, and physical education. It seeks to acquaint the student with principles and practices of education, health, and physical development in a setting conducive to Christian living, and to provide professional training and supervised experience in education, physical education, and related areas.

## **Department of Education and Psychology**

While the Department of Education and Psychology functions primarily to train public school teachers, courses in the Department are regular college courses and students majoring in other areas may take certain courses upon approval of the Department of Education.

### **TEACHER TRAINING CURRICULA**

The courses in education and psychology are planned and organized to meet the following requirements: (1) Major in Elementary Education; (2) a curriculum for elementary teachers; (3) a curriculum for high school teachers; (4) courses to meet Arizona certificate requirements and renewals.

The teacher training program has been extended to include a fifth year of preparation to meet current Arizona certification requirements. The fifth year program of Grand Canyon College has been approved by the State Board of Education.

In order to become a candidate for teacher training, a student must have completed 58 semester hours of college work with an average grade of "C." Students who complete 75 hours before they maintain a "C" average should get a degree before they apply for admission to the Teacher Training Program.

Majors in subject matter fields preparing to teach in high school should have a "C+" average in the major field. To qualify for apprentice teaching, students must have passed the English Qualifying Examination (see page 57). Students with a "C" average or above in all subjects may participate in the fifth year program of teacher preparation at Grand Canyon College. The "C+" average in the major is required for students entering the fifth year program for high school teachers.

Grand Canyon College work is approved by the Arizona State Board of Education.

### **Temporary Elementary Certification (Grades 1-9)**

(Bachelor's degree and 18 semester hours minimum requirements in Education. Requirements for a permanent certificate must be completed within five years.)

### **Elementary Certificate (Grades 1-9)**

(Master's degree, or 30 graduate hours, or completion of fifth year program; 18 semester hours minimum requirement in Education.)

Requirements of Grand Canyon College:

A. Psy. 213	General Psychology	3 semester hours
B. Psy. 382	Child and Adolescent Psychology	2 semester hours
C. Ed. 112	Introduction to Education	2 semester hours
D. Ed. 313	Educational Psychology	3 semester hours
E. Ed. 321	Orientation to Apprentice Teaching	1 semester hour



F. Ed. 413 Tests and Measurements (Evaluation of Learning)	3 semester hours
G. Ed. 422 History of Education	2 semester hours
H. El. Ed. 328 Apprentice Teaching in the Elementary Grades	8 semester hours
I. El Ed. 343 Elementary School Curriculum and Techniques (Language Arts)	3 semester hours
J. El. Ed. 353 Elementary School Curriculum and Techniques (Social studies, science, arithmetic)	3 semester hours
	<u>30</u>

Also required for certification:

K. H. Ed. 333 School and Community Health	3 semester hours
L. Govt. 213 Federal Government. Govt. 233 Arizona History and Government	6 semester hours

Summary:

Total Education and Psychology	30 hours
Health Education	3 hours
Government	6 hours
	<u>(39)</u>

Secondary Certificate  
(Grades 7-12)

(Master's degree or 30 graduate or Fifth Year Program semester hours, 18 semester hours in Education, major 24 semester hours, minor 15 semester hours.)

Requirements of Grand Canyon College:

A. Psy. 213 General Psychology	3 semester hours
B. Psy. 382 Child and Adolescent Psychology	2 semester hours
C. Ed. 112 Introduction to Education	2 semester hours
D. Ed. 313 Educational Psychology	3 semester hours
E. Ed. 321 Orientation to Apprentice Teaching	1 semester hour
F. Ed. 413 Tests and Measurements (Evaluation of Learning)	3 semester hours
G. Ed. 422 History of Education	2 semester hours

H. H.S. Ed. 323 High School Methods and Procedures	3 semester hours
I. H.S. Ed. 328 Apprentice Teaching in High School (Grades 7 to 12)	8 semester hours
J. H.S. Ed. 443 Curriculum and Principles of Secondary Education	3 semester hours
	<u>30</u>

Also required for certification:

K. H.Ed. 333 School and Community Health	3 semester hours
L. Govt. 233 Arizona History and Government	3 semester hours

Summary:

Total Education and Psychology	30 hours
Health Education	3 hours
Government	3 hours
	<u>(36)</u>

TEACHER TRAINING STAFF

Roland L. Beck	Head, Department of Education and Psychology Director of Teacher Training
	B.A., Oklahoma Baptist University; M.A., Ph.D., University of Oklahoma
Henry L. Bagley	Professor of Education
	B.S., Kansas State University M.A., Colorado State University Ed.D., University of Colorado
Woodrow Berryhill	Associate Professor of Education
	B.S., Central State College M.S., Oklahoma State University Doctoral Candidate, Arizona State University
William G. Heard	Associate Professor of Psychology
	B.A., Grand Canyon College M.A., Arizona State University Ph.D., Arizona State University, to be awarded May, 1964

PROGRAM

The listing of these schools in the Teacher Training Program does not imply that the teachers are employed by Grand Canyon College, or that the schools are under the supervision of the College. The supervision of apprentice teachers has been delegated to the school to which the apprentice teacher is assigned, but the evaluation of the apprentice teacher's work is a dual responsibility. These evaluations are made independently.

PUBLIC SCHOOLS COOPERATING IN THE APPRENTICE TEACHING PROGRAM

- |   |  |
|---|--|
| Alhambra Elementary School District         | Mesa Public Schools                    |
| Avondale Elementary School District         | Mingus Jr.-Sr. High School & Verde, #3 |
| Bisbee Public Schools                       | Murphy Elementary School District      |
| Buckeye Elementary School District          | McNary Public Schools                  |
| Cartwright Elementary School District       | Osborn Elementary School District      |
| Cashion, Arizona School District            | Palo Verde Elementary School District  |
| Chandler Public Schools                     | Paradise Valley School District        |
| Copper Belt School District                 | Peoria Public Schools                  |
| Cottonwood-Oak Creek Public Schools         | Phoenix Elementary School District     |
| Creighton Elementary School District        | Phoenix Union High School and          |
| Duncan Schools                              | Phoenix College System                 |
| Dysart Elementary Schools                   | Prescott Public Schools                |
| Florence Elementary Schools                 | Riverside Elementary School District   |
| Ft. Huachuca Accommodation Schools          | Roosevelt Elementary Schools           |
| Gilbert Public Schools                      | Safford Public Schools                 |
| Glendale Elementary School District         | Scottsdale Public Schools              |
| Glendale Union High School District         | Stanfield Public Schools               |
| Globe Public Schools                        | Tempe Elementary School District       |
| Holbrook Public Schools                     | Tolleson Grammar School                |
| Isaac Elementary School District            | Tolleson Union High School District    |
| Liberty Elementary School District          | Washington Elementary School District  |
| Litchfield Park Elementary School District  | Wickenburg Public Schools              |
| Littleton School District, Cashion, Arizona | Wilson Elementary School District      |
| Madison Elementary School District          | Yuma Elementary School District        |
| Mayer Public Schools                        | Yuma Union High School District        |

PRIVATE SCHOOLS COOPERATING WITH GRAND CANYON COLLEGE IN THE APPRENTICE TEACHING PROGRAM

Phoenix Christian High School

GOVERNMENT SCHOOLS COOPERATING WITH GRAND CANYON COLLEGE IN THE APPRENTICE TEACHING PROGRAM

Phoenix Indian School

EDUCATION

Education 110. **Remedial Education.** Emphasis is given on the mechanics of reading involving eye-span, reading rate, attention and comprehension, reading vocabulary, word meaning, sentence meaning, paragraph meaning, and story value. The student is taught to read aloud with the eye-span in advance of oral reading. Tests are given for vision, depth perception, color vision, eye movements, reading rate, and reading comprehension. Frequent use of the dictionary is emphasized and individual remedial instruction is given each student. (Fall)  
No credit

Education 112. **Introduction to Education.** This orientation course is designed to give the student a view of the whole field of education with emphasis upon its opportunities and requirements as a profession. (Fall and spring)  
2 semester hours

Education 313. **Educational Psychology.** This course takes up the general problems of learning, such as native and acquired characteristics, individual differences, motivation as well as the different theories of learning, and their application to the classroom situation. (Fall and spring)  
3 semester hours

Education 321. **Orientation to Apprentice Teaching.** The purpose of this course is to acquaint the apprentice teachers with apprentice teaching requirements. Area school administrators and supervisors will be invited to participate in this orientation. Additional instruction from the education faculty will be included. Classes will meet two periods per week during the first nine weeks of the education block. (Fall and spring)  
1 semester hour

Education 363. **Audio-Visual Aids.** A survey of the field of projected and non-projected aids, with discussions, demonstrations, and laboratory work. (Spring)  
3 semester hours

Education 413. **Tests and Measurements** (Evaluation of Learning). This course deals with the philosophy of testing, the construction of tests, the actual administration and interpretation of tests. There will be opportunity for examination of sample tests. Students will select either high school or elementary tests for study and do test construction in either field. Prerequisites: Education 112 and methods courses. (Fall and spring)  
3 semester hours

Education 422. **History of Education.** This is a survey course in the general development of education from ancient times down to the present. The course intends to be more extensive than intensive, and attempts to establish an educational background for students majoring in the field of education. Prerequisite: Education 112. (Fall and spring)  
2 semester hours

## ELEMENTARY EDUCATION

Elementary Education 328. **Apprentice Teaching in the Elementary Grades.** Prerequisites: Education 112, Elementary Education 343, and Elementary Education 353. (Fall and spring) 8 semester hours

Elementary Education 343. **Elementary School Curriculum and Techniques** (Language Arts). Special emphasis is given to methods and materials of instruction in reading, language, composition, spelling, and writing in all the elementary grades. Prerequisite: Education 112. (Fall and spring) 3 semester hours

Elementary Education 353. **Elementary School Curriculum and Techniques** (Social studies, science, and arithmetic). This course serves to acquaint the elementary teacher with curriculum methods, literature, and approved techniques for teaching arithmetic, social studies, and natural sciences, and with the recent research in these fields. Prerequisite: Education 112. (Fall and spring) 3 semester hours

Elementary Education 362. **Construction and Play Materials.** The construction and use of play materials are made more practical by actual experience. The use of charts, counting devices, games, and dramatic materials is stressed. (Spring) 2 semester hours

Elementary Education 373. **Children's Literature and Storytelling.** The best selections of all types of children's literature from outstanding authors are studied. Volumes of literature for children's libraries are considered. A handbook and anthology of children's literature are used as texts supplemented by library reading. Storytelling is emphasized. Prerequisites: English 213 and 223. (Fall) 3 semester hours

Elementary Education 403. **Modern Mathematics for Elementary and Junior High School.** (Same as Mathematics 403). A course designed to provide an understanding of "Modern Mathematics" for the middle and upper elementary and junior high teachers. The new approaches are explained and problems solved. The following are included: Systems of numeration, symbols, properties, factoring and prime numbers, modular arithmetic, logic and number sentences, etc. Prerequisites: Math 113 or 133. (Spring, 1964) 3 semester hours

Elementary Education 412. **Advanced Instructional Methods in Phonics.** A workshop in the phonetic approach to a developmental reading program. The use of phonetic principles as tools to gain independence in word attack emphasized. Prerequisites: Elementary Education 343. (Spring) 2 semester hours

## SECONDARY EDUCATION

High School Education 323. **High School Methods and Procedures.** A study of methods and procedures in high school instruction. All methods used are included, as well as a combination of the best in all methods, or the eclectic method. Procedures usually applied in high schools are emphasized. Prerequisite: Education 112. (Fall and spring) 3 semester hours

High School Education 328. **Apprentice Teaching in High School.** Prerequisite: Education 112, High School Education 323, and High School Education 443. (Fall and spring) 8 semester hours

High School Education 443. **Curriculum and Principles of Secondary Education.** This course will deal with the fundamental principles of curriculum development and construction, and the fundamental facts underlying the aims and principles of secondary education. Professional ideals of teaching are stressed throughout the course. Prerequisite: Education 112. (Fall and spring) 3 semester hours

## PSYCHOLOGY

Students may major or minor in psychology. The following courses offered at Grand Canyon College will be accepted for major or minor credit in psychology:

### Requirements for a major in Psychology

Psychology 213 — General Psychology — 3 semester hours  
 Psychology 222 — History of Psychology — 2 semester hours  
 Psychology 343 — Guidance and Counseling — 3 semester hours  
 Philosophy 213 — Introduction to Philosophy — 3 semester hours  
 Electives in Psychology — 19 semester hours

### Requirements for a minor in Psychology

Psychology 213 — General Psychology — 3 semester hours  
 Psychology 222 — History of Psychology — 2 semester hours  
 Philosophy 213 — Introduction to Philosophy — 3 semester hours  
 Electives in Psychology — 10 semester hours

Psychology courses transferred may be substituted for any courses except Psychology 213, General Psychology, Psychology 222, History of Psychology, and Psychology 343, Psychological Guidance and Counseling.

Psychology 213. **General Psychology.** A foundation course in the science of behavior. The study will include origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments will constitute a basic part of the work. (Fall and spring)

3 semester hours

Psychology 222. **History of Psychology.** The origin, growth, schools, changes in, and influences are given in readings and lectures. This course is required of all majors and minors in psychology. It is normally taken by sophomores or juniors but may be taken by permission in the second semester of the freshman year by students who have made at least a "B" in Psychology 213 during the first semester of their freshman year. Prerequisite: Psychology 213. (Spring) 2 semester hours

Psychology 303. **Social Psychology.** (Same as Sociology 303). A psychological study of the individual in the social situation. Emphasis is upon the development of attitudes, group thinking, sources of conflict, effects

of competition and cooperation, analysis and evaluation of propaganda techniques and other forces which affect individuals in groups. This course may be taken for credit for majors or minors in either sociology or psychology. Prerequisites: Psychology 213 or Sociology 213. (Fall, 1964, and alternate years)

3 semester hours

Psychology 322. **Experimental Psychology.** This course should be taken during the junior or senior year. The course includes individual experiments, laboratory work, and research. The work of each student will be prescribed by the teacher to allow for individual differences. Prerequisite: Psychology 213. (Fall, 1965 and alternate years)

2 semester hours

Psychology 333. **Psychology of Religion.** (Same as Rel. Ed. 333). A study of the psychology of religious experience, with special attention given to conversion, integration of personality, moral guilt, behavior, worship, prayer, and healing. Prerequisite: Psychology 213. (Fall, 1964)

3 semester hours

Psychology 343. **Psychological Guidance and Counseling.** This course should be completed during the junior or senior year. The course is designed for ministers, teachers, business majors, industrial workers, or sociological workers. The emphasis in the course will be placed on the proper use of psychology as a vocational guide in all occupations. Prerequisite: Psychology 213. (Spring)

3 semester hours

Psychology 382. **Child and Adolescent Psychology.** An analysis of infant behavior; the motor and emotional development of children; motivation, thinking, work and play in child life; the synthesis and integration of personality. The meaning and significance of adolescence; physical, mental, moral and religious development; adolescent impulses, interests, social tendencies; the hygiene of adolescence; the guidance and control of adolescent behavior. Prerequisite: Psychology 213. (Fall and spring)

2 semester hours

Psychology 433. **Abnormal Psychology.** This course should be completed during the latter part of the junior year or during the senior year. While students minoring in psychology may be permitted to take Abnormal Psychology, it is assumed that it is a basic course by all majors of psychology. The purpose of the course is to understand mental illness and to prevent mental illness by a better understanding of the causes of emotional, functional, and physiological factors influencing mental health. Prerequisite: Psychology 213. (Fall, 1965 and alternate years)

3 semester hours

### LIBRARY SCIENCE

Library Science 302. **Utilizing the Library in the Elementary School.** A workshop course designed to help elementary teachers integrate library material with classroom instruction. Special assistance will be given in the use of the library, class assignments and preparations. (Summer, 1964)

2 semester hours

Library Science 373. **Children's Literature and Storytelling.** (Same as Elementary Education 373.) (Fall)

3 semester hours

## Department of Health and Physical Education

The purpose of required physical education is to maintain the physical vitality of students and to develop interests and activities that will continue beyond school. The work includes conditioning exercises, individual activities, adult sports, etc.

Courses are planned with the following aims: (1) to meet the state requirements of all elementary and high school teachers in this field; (2) to offer a varied program of physical activity which will contribute to the well-being of the students; and (3) to train men and women as physical education teachers and coaches.

Upon written recommendation of a medical doctor and approval of the Dean and the Department of Physical Education, equivalent hours in physical education or health education may be substituted for required physical education activity courses. Normally, one of the following three hour courses would satisfy the requirement: Physical Education 213, 323, or 413; or Health Education 213.

Veterans of the armed services may receive up to four hours credit for physical education activity courses, on the basis of military service. In general, one hour's credit for each full ninety days of active service will be allowed. This credit is not granted automatically to veterans; they must comply with instructions of the Registrar's Office to establish the credit.

No student who has received credit in physical education for military training will be allowed to receive credit for PE 101, 201, 131, 111, 231, or 241 unless he has a major or a minor in physical education.

Veterans may also receive credit, on the basis of military service, for the health education course required for graduation. This credit will be determined, on request of the student, by evaluation in the Dean's office of service or USAFI records in the same way that any transcript would be evaluated.

### Requirements for a major in Physical Education

Physical Education 101, 111, 131,.....	} Any 4 semester hours
Physical Education 201, 231, 241.....	
Physical Education 243.....	3 semester hours
Physical Education 273.....	3 semester hours
Physical Education 313 .....	3 semester hours
Physical Education 413 or 323.....	3 semester hours
Physical Education 423.....	3 semester hours
Health Education 212 .....	2 semester hours
Health Education 333.....	3 semester hours
Electives in Physical Education or Health Education.....	6 semester hours
Biology 353 is also required of Physical Education majors.	

Requirements for a minor in Physical Education

Physical Education 101, 111, 131.....	} Any 4 semester hours
Physical Education 201, 231, 241.....	
Physical Education 243.....	
Physical Education 273.....	3 semester hours
Physical Education 323 or 413.....	3 semester hours
Physical Education 423.....	3 semester hours
Health Education 212.....	2 semester hours
Health Education 333.....	3 semester hours

HEALTH EDUCATION

- Health Ed. 212. **First Aid.** Treatment used for fractures, dislocations, wounds, hemorrhages, poisoning, drowning, bandaging, artificial respiration, etc. Two class meetings a week. (Fall) 2 semester hours
- Health Ed. 213. **Hygiene.** A study of desirable personal health habits with emphasis on the formation of the habits for one's better understanding of his place in our modern society. (Fall, 1965) 3 semester hours
- Health Ed. 333. **School and Community Health.** A practical course in school and community health, dealing with the applications of the findings of science and medicine to the improvement of daily living. Meets certification requirements. (Fall and spring) 3 semester hours
- Health Ed. 423. **Safety Education.** An extensive survey of those areas where accidents are most prevalent: home, industry, school, highways, etc., with consideration of the causes and the prevention of accidents. Designed for administrators and teachers and set up as a training ground to develop safety consciousness. Prerequisite: Junior standing. (Fall, 1964) 3 semester hours

PHYSICAL EDUCATION

The following courses are to be taken in the freshman and sophomore years to fulfill the Physical Education activity requirement for graduation. There is no prerequisite nor any particular order in which they need be taken. Separate classes for men and women as indicated meet twice weekly.

Physical Ed. 101. **Swimming.** Instruction and practice in the skills of swimming. (Each semester) 1 semester hour

Physical Ed. 111. **Tennis.** Instruction and practice in fundamentals of tennis. (Each semester) 1 semester hour

Physical Ed. 131. **Team Sports.** Instruction and practice in softball, basketball and volleyball. (Each semester) 1 semester hour

Physical Ed. 201. **Bowling.** Instruction and practice in the fundamentals of bowling. Offered each semester at a local bowling alley. 1 semester hour

- Physical Ed. 231. **Archery.** Instruction and practice in fundamentals of archery. (Each semester) 1 semester hour
- Physical Ed. 241. **Golf.** Instruction and practice in stance, grip, stroke, teeing of the ball, and use of different clubs. (Fall and spring) 1 semester hour each
- Physical Ed. 213. **Recreational Activities.** Games and contests for home, school, and community leisure time. (Fall) 3 semester hours
- Physical Ed. 243. **History and Principles of Physical Education.** A study of the aims and objectives of physical education, the standards, ideals, principles and policies; the place of physical education in modern life. A thorough foundation in the history of physical education will also be studied, emphasizing leaders of the past and present. (Spring) 3 semester hours
- Physical Ed. 273. **Playground Administration.** A study of playground activities and their administration. (Fall) 3 semester hours
- Physical Ed. 313. **Kinesiology.** A study of the location, mechanics and action of the principle muscles of the body and their relation to the various types of physical skills. (Spring) 3 semester hours
- Physical Ed. 323. **Physical Education for Elementary Grades.** A program of activities adapted to the school situation and to the individual needs of the child. Prerequisite: P.E. 243, or consent of instructor. (Spring) 3 semester hours
- Physical Ed. 333. **Athletic Coaching, Basketball.** A study of fundamentals, drill habits, team organization, offensive and defensive play, coaching philosophy. (Spring) 3 semester hours
- Physical Ed. 343. **Sports Officiating.** A study of rules and the mechanics of officiating football, basketball, and baseball. (Fall) 3 semester hours
- Physical Ed. 413. **Physical Education in Secondary School.** The purpose of the course is to prepare students who plan to teach Physical Education in high school to carry out the physical education program as required by the state at the high school level. The course includes both games and exercises. Required of all students who expect a certificate in Physical Education. Prerequisite: P.E. 243. (Fall) 3 semester hours

Physical Ed. 423. **Organization and Administration of Health and Physical Education.** A course designed for majors in physical education. The course deals with the administration problems in a department of physical education in the city school system, rural district, elementary and high school, and colleges. Prerequisite: P.E. 243 and 413. (Spring)

3 semester hours

*Division of*

## **HUMANITIES**

*Department of English and Speech*

*Department of Foreign Languages*

*Department of Music*

*Art*

ART

ENGLISH AND THE HUMANITIES

SPEECH

DRAMA

FRENCH

GERMAN

SPANISH

CONDUCTING

ENSEMBLE MUSIC

HISTORY, APPRECIATION AND LITERATURE

MUSIC EDUCATION

ORGAN

PIANO

THEORY

VOICE

## *Division of Humanities*

Courses in the humanities at Grand Canyon College are designed to acquaint students with the best that men have felt and thought and with the means by which they have expressed these experiences. Attention is also given to the cultural influences which helped produce these attitudes toward life and these efforts toward the realization of knowledge and beauty.

Such an enrichment of mind and emotion can best be gained through first-hand contact with the materials and techniques of thought and expression. For this reason, emphasis is placed upon direct experience with literature, language, art, music, drama, speech, and writing.

## **ART**

Art 203. **Beginning Drawing and Painting.** An introduction to the elements of art in drawing and painting. Studio problems will include work with still life and the model. Both linear and atmospheric perspective will be investigated. (Summer, 1964)

3 semester hours

Art. 211, 221. **Art Appreciation.** (Included in Humanities 215, 225; see page 93.) This is a course designed to introduce the student to the nature of the visual arts and their function in our contemporary society and to stimulate an active appreciation through the study of great art, past and present.

1 semester hour

Art. 253. **Elementary Sculpture.** A course introducing elementary principles involved in the use of additive and subtractive techniques in sculpture. (Clay, wood, plaster, stone, etc.) (Fall semester)

3 semester hours

Art. 263. **Introduction to Printmaking.** The purpose of this course is to give the student experience in various modern printmaking processes. This would include the relief process, such as in woodblock, and the stencil process such as serigraph.

3 semester hours

Art. 303. **Art for Teachers in the Elementary Grades.** The purpose of this course is to help the student develop teaching procedures in art through various creative activities in a variety of art media. This would include planning displays, class projects, and in general correlating art with other subject matter areas. (Summer, 1964)

3 semester hours

Art. 313. **Intermediate Painting.** A course emphasizing techniques in oil and casein. Subject matter will include work with still life, landscape, and the figure.

3 semester hours

Art. 333. **Art History.** A survey of painting, sculpture, and architecture from the thirteenth century A. D. to the present.

3 semester hours

Art. 413. **Advanced Painting.** An advanced painting course in oils. Both studio and outdoor problems will be investigated. This includes portraiture, still life and landscape projects.

3 semester hours

# Department of English and Speech

The English Department of Grand Canyon College aligns its objectives with the Baptist and Protestant tradition of the harmony of Christian faith and reason. Believing that a wholesome spiritual development is inconsistent with a cultivation of "blind spots," we propose that a thinking Christian should read widely and write with comprehension of the background of his culture.

The instruction given in English has three objectives — two of them for every student who shall graduate from Grand Canyon College and the third specifically for those students who possess or develop a major interest in language and literature. The first objective is a command of clear and effective English, spoken and written, in order that the student may assume a position of intelligent leadership in the American community. The second objective is the development of the habit of reading good literature with appreciation and enjoyment so that the student may have the power of thought which comes from a knowledge of the riches accumulated in the literature associated with his own language. The third objective, for the major in English, is a more specific study of skills, habits, and knowledge involved in the first two objectives and the pursuit of these studies to the point of at least a beginning mastery. The student majoring in English should be equipped to write effectively and imaginatively and should have a knowledge of the authors whose works illustrate the development of both the English and American language and literature.

## Requirements for a major in English

English 113, 123; Humanities 215, 225 .....	16 semester hours
English 313, 323, 333, 353, 363, 423, 433, 443, 453.....	9 semester hours
Other English electives which may include 3 hours in Speech or Drama .....	9 semester hours

## Requirements for a major in English

(with emphasis upon writing and the teaching of writing)

English 113, 123; Humanities 215, 225 .....	16 semester hours
English 343, 363, 473, 483 .....	9 semester hours
Literature electives .....	9 semester hours

## Requirements for a minor in English

English 113, 123; Humanities 215, 225 .....	16 semester hours
Electives in English (upper division courses) .....	6 semester hours

## Requirements for a minor in Speech

Speech 113, 123 (depending upon previous experience).....	3-6 semester hours
Speech 323, 353 .....	6 semester hours
Speech 223; Drama 213, 223, 233 .....	6-9 semester hours

## ENGLISH

English 110. **Remedial English.** This course is designed for students who have deficiencies in grammar, punctuation, and spelling. Grammar is emphasized. Short themes may be required. (Each fall semester)

No credit

English 113. **Grammar and Composition.** The purpose of this course is to train students in writing and speaking clearly and effectively. The work includes exposition, argumentation, vocabulary, weekly themes, and the study of essays. One term paper is required. (Each semester)

3 semester hours

English 123. **Composition and Literature.** This course, a continuation of 113, includes the study of description and narration. The short story and novel will be studied. One complete novel and many short stories are read. Themes and special reports are required. Prerequisite: English 113. (Each semester)

3 semester hours

\*Humanities 215. **English Literature and the Humanities I.** The humanities courses correlate the appreciation of art and music with an enriched survey course in English literature and its European and classical backgrounds. The philosophical, aesthetic, and historical trends in the literature, art, and music of each period through the eighteenth century are considered in Humanities 215. Prerequisites: English 113 and 123. (Each fall and first summer term)

5 semester hours

\*Humanities 225. **English Literature and the Humanities II.** This course, a continuation of Humanities 215, covers the periods from Romanticism through the modern era. Outside reading and reports are required. Prerequisites: English 113 and 123. (Each spring and second summer term)

5 semester hours

English 303. **Classical Background in English Literature.** Greek and Roman authors will be studied in translation. A dictionary of mythology will be included to familiarize the student with the most famous of the classical myths. Prerequisites: English 113, 123, and permission of the department. (Fall, 1965)

3 semester hours

English 313. **American Literature.** A study is made of the background and national development of American literature. Emphasis is on the outstanding authors of each period and intense study of their representative works. The Colonial Age and Period of the Republic through Poe and Longfellow are studied. Papers and reports are required. Prerequisites: English 113 and 123. (Fall, 1965)

3 semester hours

English 323. **American Literature.** In this course the emphasis is on Whitman, Emily Dickinson, the novel and short story, and the essay through the nineteenth century. Prerequisites: English 113 and 123 and Junior standing. (Spring, 1966)

3 semester hours

\*Equivalent credit: English Literature, 3 semester hours; Art Appreciation, 1 semester hour; Music Appreciation, 1 semester hour.



English 333. **The Short Story.** This course includes the study of the development of the short story, the different types, the analysis of technique, the reading of many short stories, and experience in writing. Prerequisites: English 113, 123, and junior standing. (Fall, 1964)

3 semester hours

English 343. **Advanced Composition.** This course includes daily practice in writing, extensive reading, and the analysis of selected library works. Prerequisites: English 113, 123, and junior standing. (Spring, 1965)

3 semester hours

English 353. **Contemporary British and American Poetry.** The representative poets of the twentieth century are studied. The trends and influences are carefully considered. Emphasis is on such poets as Frost, Sandburg, T. S. Eliot, and the younger group of poets. Extensive reading and some writing are required. Prerequisites: Humanities 215, 225. (Fall, 1964)

3 semester hours

English 363. **Advanced Grammar.** This is a course for advanced students. The historical approach to English grammar will provide the background for the study, but the emphasis will be on syntax, form, and mechanics. Prerequisites: English 113, 123, junior standing. (Each summer; spring, 1965)

3 semester hours

English 373. **English Literature of the Eighteenth Century.** This course will include selections by Defoe, Swift, Addison, Steele, Pope, Johnson, Thomson, Collins, Gray, Goldsmith, Burke, Paine, and others. The most important prose and poetry of the century will be examined. Prerequisites: Humanities 215, 225. (Spring, 1965)

3 semester hours

English 383. **The Romantic Period in English Literature.** This course involves the study of much of the poetry and prose produced in England between 1798 and 1832. An attempt is made to arrive at a definition and understanding of romanticism. Prerequisites: Humanities 215, 225. (Fall 1965)

3 semester hours

English 423. **The British Novel.** A study is made of the development of the British Novel. Representative novels are read and discussed. Prerequisites: Humanities 215, 225. (Spring, 1965)

3 semester hours

English 433. **Shakespeare.** This course includes the study of important early plays with consideration of the types, sources, and Shakespeare's development as a dramatist. Prerequisites: Humanities 215, 225. (Fall, 1964)

3 semester hours

English 443. **Shakespeare.** This course, a continuation of 433, is an intensive study of the great tragedies and later comedies. Prerequisites: Humanities 215, 225. (Spring, 1965)

3 semester hours

English 453. **Milton.** Consideration is given to Milton's prose work and to his short poems and a careful study of *Paradise Lost*. Influences and trends of the seventeenth century are emphasized. Term papers are required. Prerequisites: Humanities 215, 225. (Fall, 1964)

3 semester hours

English 463. **Poetry of the Victorian Period** (Formerly Browning). This course presents a comparative study of the significant poets and poetry of the period. Through reports, discussions, and special projects an attempt is made to interpret the temper and spirit of the age as well as the individuality and special merit of each author. Prerequisites: Humanities 215, 225. (Spring, 1966)

3 semester hours

English 473. **The Teaching of English.** A course designed primarily for those students who are planning to teach English at the secondary level. Prerequisites: English 113, 123, and junior standing. (Summer, 1964)

3 semester hours

English 483. **Seminar in Writing.** This course is planned for exceptional students who have shown ability in writing and are capable of doing independent research and composition. Prerequisites: English 113, 123, junior standing and permission of the department. (Spring, 1966)

3 semester hours

### SPEECH

The English Department suggests that a first minor in speech would be a desirable minor for students planning careers in the ministry, religious education, secondary education, law, and social work.

Speech 113. **Fundamentals of Speech.** This is a basic course and is the prerequisite of all courses in speech, drama, and radio. It emphasizes voice and diction, phonetics, and basic speech principles. (Each fall)

3 semester hours

Speech 123. **Introductory Public Speaking and Discussion.** The technique and practice of public discussion are stressed in this course as well as practice in various types of public speeches. Prerequisite: Speech 113. (Each spring)

3 semester hours

Speech 223. **Persuasive Speaking and Argumentation.** A study and practice in the recognition and use of various forms of persuasive speaking for informal and formal speeches with emphasis on argument, using proper issues, evidence, and other techniques. Prerequisite: Speech 113 or 123. (Fall, 1964)

3 semester hours

Speech 323. **Voice and Diction.** This course will include phonetics, principles of voice production, vocabulary building, and correction of weaknesses in voice production and enunciation. Prerequisite: Speech 113 or 123. (Fall, 1964)

3 semester hours

Speech 333. **Radio Broadcasting.** An introduction to the psychology and techniques of radio programming and administration; with particular emphasis on scripting and producing radio programs for actual broadcast. The course will encompass both performance and production elements: directing, announcing, acting, writing, music selection, recording techniques and an introduction to F.C.C. regulations. (Spring, 1965)

3 semester hours

Speech 353. **Oral Interpretation of Literature.** This course provides for a study of the methods and techniques of interpretative oral reading of varied types of literature. Prerequisite: Speech 113 or 123. (Spring, 1965)

3 semester hours

**DRAMA**

Drama 213. **Introduction to Drama.** This course presents the historical background and types of drama with reference to their theatric representation. Actual dramatic experience will be provided. Prerequisite: Speech 113. (Spring, 1965) 3 semester hours

Drama 223. **Production and Performance.** A study of techniques and styles of acting and of organizational procedure and management of plays. Attention is given to character portrayal and play production. Laboratory work includes the presentation of a play. (Each fall) 3 semester hours

Drama 233. **Stagecraft.** This course is designed for instruction and practice in set construction, lighting, makeup, costuming, properties, and other specific duties of backstage production. (Each spring) 3 semester hours

Drama 333. **Radio Broadcasting.** An introduction to the psychology and techniques of radio programming and administration; with particular emphasis on scripting and producing radio programs for actual broadcast. The course will encompass both performance and production elements: directing, announcing, acting, writing, music selection, recording techniques and an introduction to F.C.C. regulations. 3 semester hours

**Department of Modern Languages**

It is the purpose of the Department of Modern Languages to enlarge the student's horizons and to give him the language tools to actively develop new interests. It is the practice of the department to provide course material and methods of presentation oriented toward the principle that, ideally, there is no cleavage between the appreciation of other cultures and the ability to use reasonably well their spoken and written languages.

Credit for the first semester of a language is granted to students only upon the completion of the second semester's work.

In evaluating high school work in a language, two years may count as the equivalent of three semester hours. The head of the department may determine in which course students should begin their college language. Required language courses should be taken consecutively.

Twelve hours of one language (or equivalent), meets the language requirement for graduation.

**FRENCH**

French 113. **Elementary French.** Fundamentals of grammar and pronunciation, conversation and composition, and graded reading. (Fall) 3 semester hours

French 123. **Elementary French.** A continuation of 113. Prerequisite: French 113 or two years of high school French. (Spring) 3 semester hours

French 213. **Intermediate French.** Review, composition, conversation and graded reading. (Fall, 1964) 3 semester hours

French 223. **Intermediate French.** Continuation of 213. (Spring, 1965) 3 semester hours

**GERMAN**

German 113. **Elementary German.** Fundamentals of grammar and pronunciation, conversation and composition, and graded reading. (Fall) 3 semester hours

German 123. **Elementary German.** A continuation of 113. Prerequisite: German 113. (Spring) 3 semester hours

German 213. **Intermediate German.** Grammar review, conversation and composition, and reading of suitable texts. Prerequisite: German 123. (Fall) 3 semester hours

German 223. **Intermediate German.** A continuation of 213. (Spring) 3 semester hours

**SPANISH**

Spanish 113. **Elementary Spanish.** Fundamentals of grammar and pronunciation, conversation and composition, and graded reading. (Fall) 3 semester hours

Spanish 123. **Elementary Spanish.** A continuation of Spanish 113. Prerequisite: Spanish 113 or two years of high school Spanish. (Spring) 3 semester hours

Spanish 213. **Intermediate Spanish.** Grammar review, conversation and composition, and reading of suitable texts. Prerequisite: Spanish 123. (Fall) 3 semester hours

Spanish 223. **Intermediate Spanish.** A continuation of Spanish 213. (Spring) 3 semester hours

**Department of Music**

Any student interested in music, even though not wishing to major in this department, may apply for voice, piano, organ or other subjects offered.

Credit for one hour each semester is given for choir, orchestra, or band, but not more than four hours may be counted toward a degree.

**Choirs**

The Oratorio and Opera Society is an organization formed for the purpose of presenting oratorios and operas each season, rehearsing twice a week. *The Messiah* is presented in December and an opera or oratorio in the spring. Membership is open to all students who qualify.

The Chorales is an organization chosen from the Oratorio and Opera Society, which rehearses twice a week in addition and presents concerts throughout the year in high schools, churches, on the radio and television. The highlight of the year is the annual spring tour. The better choral works of both sacred and secular music are performed.

### Student Recitals

At regular intervals informal and formal recitals are given. All applied music students are expected to perform in at least two recitals or workshops during each semester. Music majors and minors are required to attend all recitals. Applied music students are required to attend departmental recitals.

A junior recital is required of every prospective graduate as prerequisite to senior work. Junior recitals are given in groups of two or three after completion of prerequisite technical examinations.

A senior recital, individually rendered, is required of every degree candidate in applied music. It must be completed not later than two weeks before commencement. A senior is one who is following the prescribed senior course having completed his senior prerequisites, and who gives evidence of being able to complete his course within the year. Application for senior recital must be made four months before graduation date.

### Public Performance

Groups and individual performers are sent out upon request for church meetings and banquets. Programs are prepared for radio broadcasting, clubs, and various entertainments. Students shall consult with their applied music instructor before participating in any public performance.

### Practice

To receive one hour of credit for piano, voice, or organ, the student is required to take one lesson each week and to practice a minimum of one hour daily, six days each week. For two hours' credit both lesson time and practice time are doubled.

Voice students may divide the practice hour into two thirty-minute periods if so recommended by the voice instructor.

### General Regulations

All applied music students are encouraged to take advantage of the opportunities offered in Phoenix to attend artist concerts and symphony concerts, and each student for credit is required to attend at least one such concert per semester in his chosen field.

Lessons missed because of the student's negligence will not be made up. Those missed because of illness, or because of the absence of the instructor will be made up at a time suitable to both. Students are expected to notify the instructor of planned absences at least four hours before the scheduled lessons.

### Requirements for a major in Music, B.A. Degree

To major in music for the B.A. degree a student may choose between four fields of concentration:

#### 1. Piano, with courses distributed as follows:

Piano .....	16 semester hours
Theory 114, 124, 214, 224.....	16 semester hours
History of Music.....	6 semester hours
Piano Ensemble.....	2 semester hours
Electives .....	2 semester hours
<b>Total .....</b>	<b>42 semester hours</b>

#### 2. Voice, with courses distributed as follows:

Voice .....	16 semester hours
Theory 114, 124, 214, 224.....	16 semester hours
History of Music .....	6 semester hours
Piano (may be waived by passing proficiency test), or electives .....	4 semester hours
<b>Total .....</b>	<b>42 semester hours</b>

3. Organ .....	16 semester hours
Theory 114, 124, 214, 224 .....	16 semester hours
History of Music .....	6 semester hours
Organ Literature and Accompanying .....	1 semester hour
Electives .....	3 semester hours
<b>Total .....</b>	<b>42 semester hours</b>

4. Music Theory .....	16 semester hours
Theory 114, 124, 214, 224 .....	16 semester hours
History of Music .....	6 semester hours
Applied Music (at least 4 in piano).....	8 semester hours
Advanced theory courses.....	6 semester hours
Electives .....	6 semester hours
<b>Total .....</b>	<b>42 semester hours</b>

### Requirements for a major in Music Education

(B.S. Degree)

(With Secondary Certificate Requirements)

Certification for Music in Grades 1-12

#### 1. Voice Major:

Voice .....	8 semester hours
Piano .....	4 semester hours
Vocal Ensemble (7 semesters) .....	4 semester hours
	credit

2. Piano Major:
- |                                    |                         |
|------------------------------------|-------------------------|
| Piano .....                        | 8 semester hours        |
| Voice .....                        | 4 semester hours        |
| Vocal Ensemble (7 semesters) ..... | 4 semester hours credit |
3. Orchestral Instruments Major:
- |   |                  |
|---|------------------|
| Major Instrument .....                    | 8 semester hours |
| Piano .....                               | 4 semester hours |
| Instrumental Ensemble (7 semesters) ..... | 4 semester hours |
| Vocal Ensemble (4 semesters) .....        |                  |
- Music Ed. (Methods) 333, 413..... 6 semester hours
- Music 212. Survey of Orchestral Instruments ..... 2 semester hours
- Music 114, 124, 214, 224, 323, Theory.....19 semester hours
- Music 333, 343, History of Music ..... 6 semester hours
- Music 373, Conducting ..... 3 semester hours
- Choir ..... 4 semester hours
- Electives ..... 4 semester hours

#### Requirements for a minor in Music Education

- |                                       |                  |
|---------------------------------------|------------------|
| Applied music (Piano 2, Voice 2)..... | 4 semester hours |
| Theory .....                          | 4 semester hours |
| Conducting .....                      | 3 semester hours |
| Choir .....                           | 2 semester hours |
| Music Education .....                 | 3 semester hours |
| Music Appreciation .....              | 2 semester hours |

18

Since a minor teaching field of at least eighteen hours is required of prospective secondary school teachers, it is recommended that students in this program select an English or Social Studies minor.

#### CONDUCTING

Music 373. **Choral Conducting.** The fundamentals and techniques of conducting hymns, anthems, and other choral music are studied. Problems of directing vocal groups are discussed. Special emphasis on interpretation. Baton technique is studied. Prerequisite: Junior standing or consent of instructor. (1965 and alternate years) 3 semester hours

Music 383. **Advanced Conducting.** A continuation of Music 373 with emphasis on choral and instrumental literature. Emphasis on score reading, artistic interpretation, and conducting of marches, overtures, symphonies, etc. Prerequisite: Music 373. (1964 and alternate years) 3 semester hours

#### ENSEMBLE MUSIC

Music 101, 102, 201, 202. (I.E.) **Instrumental Ensemble.** Open to qualified students on demand. 1 semester hour

Music 111, 121, 211, 221, C.M. **Choral Music.** Oratorio and Opera Society. (Each semester)

Credit for one hour each semester is given for Choralaire, Oratorio and Opera Society; but not more than four hours may be counted toward a degree.

Music 301a, b. **Piano Ensemble.** Open to all qualified students. (Each semester) 1 semester hour

#### HISTORY, APPRECIATION, AND LITERATURE

Music 251a and b. **Appreciation of Music.** Included in Humanities 215, 225, See page 93.) A course designed to contribute to intellectual, emotional, and aesthetic understanding of music as expression, as a science, and as an art closely akin to all other fine arts. Listening to great works of music and developing some insight into music's inner workings are integral phases, that the student may develop a discriminating and intelligent appreciation of the best in music. Required of all students. (Each semester) 1 semester hour each

Music 333. **History of Music.** This course is a survey of music from primitive times to the middle of the 18th century. Presents the growth of music through the contrapuntal schools culminating in the work of J. S. Bach. The development of opera and oratorio, and the rise of homophonic music. (Fall, 1964) 3 semester hours

Music 343. **History of Music.** A continuation of Music 333 from the 18th century to modern days. The art song. The nationalist schools. The principal composers of the classical, romantic and modern periods, together with masterpieces of these periods, will be presented and discussed. (Spring, 1965) 3 semester hours

Music 423. **Music Literature.** A survey of music literature including masterworks of chamber music, symphony, concerto, choral, and opera, with emphasis on style and aesthetics. Prerequisites: Music 333, 343. (Spring, 1965 and alternate years) 3 semester hours

#### MUSIC EDUCATION

Music Education 212. **Survey of Orchestral Instruments.** The care and problems of each instrument are studied. (Spring, 1966) 2 semester hours

Music Education 333. **Music in the Primary and Elementary Grades.** Study and demonstration of methods and materials for the first six grades. A study is made of problems encountered with each grade level. Lesson plans are prepared. Visits are made to observe actual teaching situations. (Spring, 1966) 2 semester hours

Music Education 413. **Music in the Junior and Senior High Schools.** Methods for developing and conducting the music program in junior and senior high school, including the organization of choruses and glee club; classification of voices; music appreciation; selection of music material, etc. Prerequisite: Music 112, or consent of instructor. (Fall 1964) 3 semester hours

**ORGAN**

Students must have completed approximately six years of piano study or its equivalent. This includes a knowledge of the major and minor scales, Bach Inventions, easier sonatas of Mozart and Beethoven, and compositions by romantic and modern composers. (Exceptions may be made by the instructor.)

Music 111 (O); 121 (O). **Class Organ.** Class instruction in elementary organ for students with no previous training. (Each semester)

1 semester hour each

Music 131 (O), 132 (O); 141 (O), 142 (O). **Organ—Private Instruction.** The first semester is given to the study of organ methods of Clarence Dickinson, pedal studies, and hymn playing. Suggested repertoire includes Eight Short Preludes and Fugues and other works by Bach, Old Masters of the Organ by Bonnet, and works by Mendelssohn and Dupre. (Each semester)

1 or 2 semester hours each

Music 231 (O), 232 (O); 241 (O), 242 (O). **Organ—Private Instruction.** Advanced pedal studies and service playing including transcription of piano music to organ. Suggested repertoire includes works by Bonnet, and Franck. Bach's Fantasia and Fugue in C Minor, Toccata and Fugue in D Minor, Prelude in E Minor, Prelude and Fugue in C Major. (Each semester)

1 or 2 semester hours each

Music 311 (O), 312 (O); 321 (O), 322 (O). **Organ—Private Instruction.** Continued study of Bach, Preludes and Fugues in A Major, F Minor, A Minor, G Major, D Major, and Choral Preludes. Choral Preludes—Brahms, Fantasia in C Major, Pastoral, Piece-Heroique-Franck. Accompaniment of soli, cantatas, etc. A junior recital. (Each semester)

1 or 2 semester hours each

Music 411 (O), 412 (O); 421 (O), 422 (O). **Organ—Private Instruction.** Toccata, Adagio, and Fugue in C, Prelude and Fugue in E Flat, and Passacaglia by Bach. Brahms, Mendelssohn, Reubke, Vierne, and modern composers. A senior recital is required. (Each semester)

1 or 2 semester hours each

**PIANO**

Music 111 (P); 121 (P). **Class Piano.** Class instruction in elementary piano for students with no previous training. Adult preparatory books such as Oxford, and John Thompson, are used. (Fall and spring)

1 semester hour each

Music 131 (P), 132 (P); 141 (P), 142 (P). **Piano—Private Instruction.** Major and minor scales in octaves; broken chord exercises. Czerny, selected studies; or Bertini, Studies, Mozart or Haydn, easier Sonatas, Bach Two Part Inventions. (Each semester)

1 or 2 semester hours each

Music 231 (P), 232 (P); 241 (P), 242 (P). **Piano—Private Instruction.** Major and minor scales in faster tempo and in thirds, sixths, and tenths; arpeggios in sevenths. Czerny, School of Velocity, Opus 299. Bach, Three Part Inventions. Mozart, Sonatas; Compositions by Chopin, Debussy, etc. Prerequisite: Music 141P or equivalent. (Each semester)

1 or 2 semester hours each

Music 301 a,b. **Piano Ensemble.** Required of all piano majors. (Each semester)

1 semester hour

Music 311 (P), 312 (P); 321 (P), 322 (P). **Piano—Private Instruction.** Czerny, Opus 740. Bach Three Part Inventions. Beethoven, Sonatas. Chopin, Nocturnes, Etudes, Scherzos. Classic, romantic and modern selections. Preparation for junior recital. Prerequisite: Music 241 (P) or equivalent. (Each semester)

1 or 2 semester hours each

Music 411 (P), 412 (P); 421 (P), 422 (P). **Piano—Private Instruction.** Clementi, Gradus ad Parnassum. Bach, Well-Tempered Clavichord. Chopin, Etudes. Beethoven sonatas of greater difficulty. Classic, romantic, and modern pieces. Preparation for senior recital. Prerequisite: Music 321 (P). (Each semester)

1 or 2 semester hours each

**THEORY**

Music 112. **Fundamentals of Music.** A course designed to give a thorough elementary understanding of notation, general terms, and the basic elements of music; harmony, melody, and rhythm. For non-music majors. No credit for music majors. No prerequisite.

2 semester hours

Music 114. **Theory of Music.** An integrated course in musicianship, including ear training, sight-singing, dictation, written and keyboard harmony. Study of the structure of music to develop skill in creative expression, as well as skill in analyzing and understanding music being studied and performed. Designed for music majors and minors. Prerequisite: Knowledge of basic elements of music. Three hours class work, and two hours of lab. (Every fall)

4 semester hours

Music 124. **Theory of Music.** A continuation of Music 114. (Every spring)

4 semester hours

Music 214. **Theory of Music.** Advanced study in part-writing, including chromatic and other non-harmonic tones, further study in sightsinging, dictation, and keyboard application of theoretical materials. Prerequisite: Music 214, or the equivalent. Three hours of class work and two hours of lab. (Every fall)

4 semester hours

Music 224. **Theory of Music.** A continuation of Music 214. (Every spring) 4 semester hours

Music 313. **Counterpoint.** A practical study of sixteenth to eighteenth century counterpoint in its various species in two to four part writing. Prerequisite: Music 224. (Fall, 1963 and alternate years) 3 semester hours

Music 323. **Form and Analysis.** A study of the structure of music; motif and phrase, lied, rondo, variation, sonata, and programmatic forms. Prerequisite: Music 224. (Spring, 1964 and alternate years) 3 semester hours

### VOICE

Music III(V); 121(V). **Class Voice.** Principles of breathing and breath control. A study of vowels and fundamental essentials to tone production. Elementary songs. (Fall and spring) 1 semester hour each

Music 131(V), 132(V); 141(V), 142(V). **Voice—Private Instruction.** Fundamentals of voice production, principles of breathing, breath control, a study of vowels and essentials of tone production. Simple songs. (Each semester) 1 or 2 semester hours each

Music 231(V), 232(V); 241(V), 242(V). **Voice—Private Instruction.** More advanced technique. Studies in diatonic and chromatic scales, legato, staccato, phrasing and tone color, with emphasis on diction and interpretation. Prerequisite: Music 141(V) or equivalent. (Each semester) 1 or 2 semester hours each

Music 311(V), 312(V); 321(V), 322(V). **Voice—Private Instruction.** Fundamentals of style and expression, continued emphasis on tone production. Increased study of songs. Preparation for junior recital. Prerequisite: Music 241(V) or equivalent. (Each semester) 1 or 2 semester hours each

Music 411(V), 412(V); 421(V), 422(V). **Voice—Private Instruction.** Recapitulation of the work of the preceding years together with the study of more difficult songs and modern song literature. Preparation for senior recital. Prerequisite: Music 321(V) or equivalent. (Each semester) 1 or 2 semester hours each

Music 131(OI)-422(OI). **Orchestral Instruments—Private Instruction.** Fundamentals of tone production. Scales and selected technical studies. Solo selections for chosen instruments from works of accepted composers. (Fall and spring) 1 or 2 semester hours each

### Division of

## NATURAL SCIENCE and MATHEMATICS

### Department of Natural Science and Mathematics

LIFE SCIENCE

BIOLOGY

BOTANY

ZOOLOGY

PHYSICAL SCIENCE

CHEMISTRY

PHYSICS

MATHEMATICS

### ***Division of Natural Science and Mathematics***

This division, as an integral part of the liberal arts foundation of Grand Canyon College, endeavors to provide every student with a broad introduction to science and mathematics at the college level. In this respect, it stresses the spirit and method of science and the concepts and contributions of mathematics, and focuses attention on the social, economic, and political implications of these areas of knowledge and endeavor.

The division also provides appropriate courses for students desiring to specialize in life science, physical science, and mathematics, and seeks to prepare qualified students for teaching, for graduate study, or for professional training in these areas.

## **Department of Natural Science and Mathematics**

### **Requirements for a major in Biology**

Biology 114a and b.....	8 semester hours
Biology 124a and b.....	8 semester hours
Electives in biology.....	14 semester hours

### **Requirement for a minor in Biology**

Biology 114a and b, or Biology 124a and b.....	8 semester hours
Electives in biology.....	10 semester hours

### **Requirements for a minor in General Science**

#### **Complete one of the following combinations:**

Physics .....	8 hours	Physics .....	8 hours
Chemistry .....	8 "	Biology .....	8 "
Biology .....	4 "	Chemistry .....	4 "
Chemistry .....	8 hours	Chemistry .....	12 hours
Biology .....	8 "	Biology .....	4 "
Physics .....	4 "	Physics .....	4 "

### **Requirements for a major in Mathematics**

Mathematics 113, 133 .....	6 semester hours
Mathematics 143† .....	3 semester hours
Mathematics 213, 233, 243 .....	9 semester hours
Upper division courses in mathematics.....	12 semester hours

### **Requirements for a minor in Mathematics**

Mathematics 113, 133 .....	6 semester hours
Mathematics 143† .....	3 semester hours
Mathematics 213, 233, 243 .....	9 semester hours
Upper division courses in mathematics .....	6 semester hours

### **Requirements for a major in Mathematics Education\***

Mathematics 113, 133 .....	6 semester hours
Mathematics 143† .....	3 semester hours
Mathematics 213, 233, 243, 253 .....	12 semester hours
Mathematics 383 .....	3 semester hours
Upper division courses in mathematics.....	10 semester hours

† Not to be repeated if taken for credit in high school.

\* The major in Mathematics Education is designed principally for high school mathematics teachers. It requires thirty-four hours of mathematics, but the modern language requirement may be waived. General Science is suggested as a minor.

## BIOLOGY

The courses in biology are offered for the purpose of general culture as well as to lay proper foundations for those desiring to specialize in scientific work, in medicine, or agriculture.

**Biology 114a-114b. General Botany.** The student is introduced to the basic principles of the science of living matter through a study of the functions of common plants. The laboratory work includes the use of the microscope, preparation of slides, and experiments illustrating plant phenomena. Life cycles of representative species are studied. (Each year)  
4 semester hours each

**Biology 124a-124b. General Zoology.** Basic principles of living matter are emphasized through study of the animal kingdom. Dissections are made of representative specimens. (Each year)  
4 semester hours each

**Biology 134. General Biology.** A study of the basic principles that govern living things and their relationship to man. (Each semester)  
4 semester hours

**Biology 314. Entomology.** Study of life histories, taxonomic work, methods of study, collecting and preserving insects. Students are required to prepare a representative collection. Prerequisite: Biology 124a. (Fall, 1964)  
4 semester hours

**Biology 323. Genetics and Eugenics.** Principles and facts of heredity developed from plants and animals. Principles of race improvement. Prerequisite: Biology 114a and b or 124a and b. (Each summer)  
3 semester hours

**Biology 324. Systematic Botany.** The principles of taxonomy are studied with reference to local flora. Specimens are keyed and added to the Department Herbarium. Prerequisite: Biology 114a and b. (Spring, 1965)  
4 semester hours

**Biology 334. Microbiology.** (Formerly Bacteriology.) Introduction to the principles and applications of Microbiology with a study of general characteristics of microorganisms and their relation to man. Prerequisites: Biology 114b and 124a. (Spring, 1966)  
4 semester hours

**Biology 344. Introduction to Embryology.** An elementary course based on the embryology of the chick, but with some work on a few other animal stages. Prerequisite: Biology 124a, 124b. (Fall, 1965)  
4 semester hours

**Biology 353. Elementary Anatomy and Physiology.** A study of the basic structures, functions, and various systems of the human organism by means of charts, models, and observations of laboratory techniques. Required of Physical Education Majors. Prerequisite for Biology Majors: Biology 124a and b. (Each fall)  
3 semester hours

## CHEMISTRY

**Chemistry 114, 124. General Chemistry.** Fundamental principles of chemistry and its relationship to life and society. Designed for both students of general education and students preparing for professions of agriculture, medicine, science teaching, engineering, nursing, home economics, and others. Prerequisite: High School Algebra. (Each year)  
4 semester hours each

**Chemistry 324. Organic Chemistry, Short Course.** This course does not treat the subject of organic chemistry in a systematic way as a year's course in General Organic Chemistry does, but is a simple presentation of its practical application. Basic principles will be stressed, so that the course will not only equip students with some general concepts of Organic Chemistry; but it will also meet the requirements for pre-agricultural, pre-nursing, lab technician, home economics, and industrial arts courses. Prerequisite: Chemistry 124. (Summer, 1965)  
4 semester hours

## MATHEMATICS

All students will take Mathematics 113 as a part of their General Education program. Students who have completed advanced or accelerated courses in mathematics in high school may apply for advanced standing with regard to certain other mathematics courses.

**Mathematics 110. Remedial Mathematics.** For those students who have inadequate high school mathematical background. (Every spring)  
No credit

**Mathematics 113. Introduction to College Mathematics.** This course will be concerned with the development of the foundations of mathematics and with the implications of mathematical ideas, concepts, and processes in solving problems in daily life. (Each semester)  
3 hours

**Mathematics 133. College Algebra.** A study is made of binomials, complex numbers, and theory of equations. (Each fall)  
3 semester hours

**Mathematics 143. Plane Trigonometry.** This course includes the construction and measurement of angles, definition of trigonometric functions, inverse functions, and the solution of triangles. (Each spring)  
3 semester hours

**Mathematics 211. Slide Rule.** The use of slide rule in solving more complicated numerical problems. (Each fall)  
1 semester hour

**Mathematics 213. Analytic Geometry.** This is an introductory course which presents a study of graphs, curves, straight lines, conic sections, and equations of the second degree. Prerequisite: Mathematics 133. (Each year)  
3 semester hours

**Mathematics 233. Differential Calculus.** This study covers the method of differentiation. Parallel or Prerequisite: Mathematics 213. (Each fall)  
3 semester hours

**Mathematics 243. Integral Calculus.** This study covers methods of integration, definite integrals, multiple integrals, and the applications. Prerequisite: Mathematics 233. (Each spring)  
3 semester hours

**Mathematics 253. College Geometry.** A course in the technique of construction and procedure of proofs of common geometric figures, particularly adapted to the needs of future high school mathematics teachers. (Each spring)  
3 semester hours

**Mathematics 313. Theory of Equations.** This course includes the solutions of the cubic and quartic equations, the solution of numerical equations, use of determinants, and a study of symmetric functions. Prerequisite: Mathematics 213. (Spring, 1965)  
3 semester hours



**Mathematics 323. Differential Equations.** This study includes the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: Mathematics 243. (Fall, 1964) 3 semester hours

**Mathematics 333. Analytic Geometry of Space.** This course includes a study of planes and lines, transformation of coordinates, types of surfaces, the sphere, and quadric surfaces. Prerequisite: Mathematics 243. (Spring, 1965) 3 semester hours

**Mathematics 363. Introduction to Probability and Statistics** (Same as Business Administration 343). Elementary theories of probability, distribution, and testing of statistical hypotheses; practical experience in the application of statistical methods. Prerequisite: Mathematics 113 or 133. (Each fall) 3 semester hours

**Mathematics 383: Mathematics for Teachers.** A study of selected phases of mathematics for secondary schools and of the various techniques and methods employed in teaching courses in mathematics. Prerequisite: Mathematics 243. (Spring, 1966) 3 semester hours

**Mathematics 403. Modern Mathematics for Elementary and Junior High School.** (Same as Elementary Education 403.) (Fall, 1965) 3 semester hours

**Mathematics 423: Introduction to Modern Algebra.** This course is designed to acquaint students with the fundamental concepts of logical reasoning and logical structure as employed in mathematics rather than its formal techniques. Some elementary theories of sets, fields, vector spaces, matrices and probability will be introduced. It would be beneficial to all liberal arts students as well as to prospective teachers of mathematics. Prerequisite: Mathematics 213. (Spring, 1966) 3 semester hours

### PHYSICS

**Physics 134. Introduction to the Physical Sciences.** A coordinating study of the fundamentals of physics, chemistry, meteorology, geology, and astronomy, and of the significance of the physical sciences in today's world. (Each semester) 4 semester hours

**Physics 203. Introduction to Astronomy.** A general introductory non-technical course in Astronomy. A study of the history of astronomy, the solar system, stars, constellations, and galaxies for the appreciation and understanding of the natural laws of the universe. Prerequisite: Physics 134 or equivalent. (Fall, 1964) 3 semester hours

**Physics 214. General Physics.** This course treats the basic principles of general physics including a study of mechanics, heat, and sound. Prerequisites: Mathematics 133, 143, or consent of instructor. (Each fall) 4 semester hours

**Physics 224. General Physics.** This is a continuation of Physics 214 and includes a study of magnetism, electricity, and light. Prerequisite: Physics 214. (Each spring) 4 semester hours

### Division of

## RELIGION and SOCIAL STUDIES

*Department of Religion*

*Department of Social Studies*

BIBLE

NEW TESTAMENT GREEK

RELIGIOUS EDUCATION

PHILOSOPHY

GOVERNMENT

HISTORY

SOCIOLOGY

### ***Division of Religion and Social Studies***

The Division of Religion and Social Studies seeks to relate the student significantly to his social and spiritual areas of life through a study of past and present civilizations.

## **Department of Religion**

Most of the courses in this department are basic courses designed for all college students. They are not professional courses for ministerial students to take the place of studies in a theological seminary or a divinity school. If ministerial students are fairly certain that they will continue their studies in a seminary, it is suggested that they major in such areas as English, history, social studies, or sociology. The courses in this division are intended to give the students an understanding and appreciation of the Bible, to arouse in students a desire for Christian usefulness, and to equip them for leadership in the various activities of the churches.

### **Requirements for a major in Bible\***

Bible 113, 123.....	6 semester hours
Bible 273†.....	3 semester hours
Bible 283†.....	3 semester hours
Bible 373.....	3 semester hours
Electives in Bible.....	15 semester hours

\* There may be electives of 6 hours in Religious Education.

† Non-ministerial Bible majors may be allowed to substitute other non-required Bible courses or Rel. Ed. 113 and 123 for Bible 273 and Bible 283.

### **Requirements for a minor in Bible**

Bible 113, 123 .....	6 semester hours
Bible 373 or 463 .....	3 semester hours
Electives in Bible .....	9 semester hours

### **Requirements for a major in Religion**

Bible 113, 123 .....	6 semester hours
Rel. Ed. 213, 243, 263 .....	6 semester hours
Rel. Ed. 323 or 333 .....	3 semester hours
Rel. Ed. 463 .....	3 semester hours
Bible 373 .....	3 semester hours
Electives, (at least 3 hrs. in Bible) .....	9 semester hours

### **Requirements for a minor in Religion**

Bible 113, 123 .....	6 semester hours
Rel. Ed. 213, 243, 263 .....	6 semester hours
Bible 373 .....	3 semester hours
Rel. Ed. 333 or 463 .....	3 semester hours

### **Requirements for a minor in Religious Education**

Rel. Ed. 213, 243, 263 .....	6 semester hours
Rel. Ed. 323 .....	3 semester hours
Electives in Religious Education.....	9 semester hours

### **BIBLE**

Bible 113. **Old Testament History.** An introduction to the Old Testament and a survey of the historical literature. Attention will be given to the

institutions, religion, and national life of the Hebrew people. Required for graduation. (Each semester)  
3 semester hours

**Bible 123. New Testament History.** A general survey of the New Testament, beginning with the inter-Biblical period, with the main emphasis given to the Gospels and Acts. Required for graduation. (Each semester)  
3 semester hours

**Bible 273. Pastoral Duties.** This will be a study of practical duties and problems of the modern pastor, translating New Testament principles into present day practice. Such matters will be studied as ordination, baptism, Lord's Supper, marriages, and funerals. Prerequisites: Bible 113, 123. (Fall)  
3 semester hours

**Bible 283. Homiletics.** A study in the art of preparing and delivering sermons. There will be some actual practice in the delivery of sermons. Some attention will be given to the building and use of a personal library. Prerequisites: Bible 113, 123. (Spring)  
3 semester hours

**Bible 323. Evangelism.** A study of the principles, message, and methods of evangelism. The principles of the Bible will be applied to all types of evangelism, including personal, church and mass evangelism. Each student is expected to do personal work as a part of this course. Prerequisites: Bible 113, 123. (Spring, 1965)  
3 semester hours

**Bible 333. Old Testament Prophets.** A study of the occasion, content and interpretation of the writing prophets of the Old Testament, with special emphasis on the Messianic element. Prerequisites: Bible 113, 123. (Spring, 1966)  
3 semester hours

**Bible 353. Old Testament Poetry.** A study of the poetical books of the Old Testament, with reference to their literary style, occasion, and interpretation. Prerequisites: Bible 113, 123. (Spring, 1965)  
3 semester hours

**Bible 373. Christian Doctrines.** A systematic study of the great doctrines of the Bible, with special attention given to the doctrines and practices of Baptists. Prerequisites: Bible 113, 123. (Fall)  
3 semester hours

**Bible 423. General Epistles and Revelation.** This study will deal with the historical background, authorship, and exegetical analysis of the General Epistles (James; I and II Peter; I, II, and III John; Jude; and Hebrews) and Revelation. Prerequisites: Bible 113, 123. (Fall, 1964)  
3 semester hours

**Bible 433. Life and Teachings of Christ.** A careful study of the life of Jesus with special emphasis on His person, teachings, and work. Prerequisites: Bible 113, 123. (Fall)  
3 semester hours

**Bible 443. Life and Letters of Paul.** A study of the life and times of the apostle Paul with an interpretation of his epistles based upon their historical setting. Prerequisites: Bible 113, 123. (Spring, 1965)  
3 semester hours

**Bible 463. Biblical Backgrounds.** A geographical and archaeological survey of Palestine and surrounding countries including the important political, social, and religious customs and conditions pertaining to Biblical history. Prerequisites: Bible 113, 123. (Spring, 1966)  
3 semester hours

NEW TESTAMENT GREEK

The courses listed below are designed first, to confer an early mastery of the essentials of inflection and syntax; second, to resolve the principal difficulties of grammatical analysis; and third, to develop in the student a vigorous and independent interest in the Greek New Testament. Twelve hours of Greek (two years) will meet the language requirement for the Bachelor of Arts or Bachelor of Science degree.

**Greek 273. Beginner's Greek.** This course is designed for those who are taking the study of Greek for the first time and others whose preparation does not fit them for entering an advanced class in Greek. It aims to give the fundamentals necessary to the study of the Greek New Testament. Sophomore standing or individual approval is necessary before enrollment in this course. (Fall)  
3 semester hours

**Greek 283. Beginner's Greek.** This course is a continuation of Greek 273. A study of Davis' Grammar will be completed with simple exercises for reading and translation. Special stress will be laid upon the meaning of the cases, the prepositions, and the tenses. Prerequisite: Greek 273 or its equivalent. (Spring)  
3 semester hours

**Greek 373. Advanced Greek Grammar.** For second year students of the Greek New Testament. There will be review of forms, syntax, and prose composition. The student is required to translate the First Epistle of John and is given with each lesson demonstration of the significance of verb forms as vital to accurate translation. Prerequisites: Greek 273 and 283, or their equivalent. (Fall)  
3 semester hours

**Greek 383. Advanced Greek Grammar.** A continuation of 373. The second half of the course will include an exegesis of one short New Testament book designed to help prepare the student for the use of the most effective methods of exegesis of the Greek New Testament. Prerequisite: Greek 373. (Spring)  
3 semester hours

## RELIGIOUS EDUCATION

Rel. Ed. 213. **A Survey of Religious Education.** An introductory and survey study of religious education, with emphasis upon the history, philosophy, objectives, techniques, and administration of the educational program of the local church. Some consideration is given to the means of organized cooperation between churches. (Fall, 1964)

3 semester hours

Rel. Ed. 243. **Church Activities.** A study of the effective use of non-organizational activities of the church, such as expansion of membership and buildings, finance, recreation, evangelism, worship, teaching aids, and publicity. (Spring, 1966)

3 semester hours

Rel. Ed. 263. **Church Organizations and Officers.** A study of the organizational structure for religious education within the local church, particularly with reference to the Southern Baptist Convention. The major organizations, officers, and committees are studied from a functional point of view. (Spring, 1965)

3 semester hours

Rel. Ed. 323. **Principles of Leadership.** A study of leadership, including principles, techniques, personal characteristics, problems and pitfalls, enlistment, and training. (Fall, 1965)

3 semester hours

Rel. Ed. 333. **Psychology of Religion.** (Same as Psy. 333). A study of the psychology of religious experience, with special attention given to conversion, integration of personality, moral guilt, behavior, worship, prayer, and healing. Prerequisite: Psychology 213. (Fall, 1964)

3 semester hours

Rel. Ed. 363. **Audio-Visual Aids.** See Education 363 in Department of Education. Credit may be taken in either department. (Spring)

3 semester hours

Rel. Ed. 463. **Comparative Religions.** A study of the great representative religions of the world, both ancient and contemporary; and a study of the various religious sects in America. (Fall, 1965)

3 semester hours

## PHILOSOPHY

Philosophy 213. **Introduction to Philosophy.** This course is a survey of the types of philosophy, the basic problems which man has faced, and the philosophic attempts to solve these problems. (Each semester)

3 semester hours

Philosophy 463. **Comparative Religions.** (See Religious Education 463.) (Fall, 1965)

3 semester hours

## Department of Social Studies

History, Political Science, and Sociology are inseparably connected. History is largely the record of the social and political changes and conditions of man. The chief problems before man today, as in all the past, are economic and social. These make up the leading political questions. Therefore every citizen, to vote, talk, or act intelligently, must know something of the great underlying principles of these subjects. This is the purpose of all the courses in this department.

### Requirements for a major in History\*

History 113, 123, 233 .....	9 semester hours
History 213, 223 .....	6 semester hours
History 403 .....	3 semester hours
Electives in History* .....	12 semester hours

\* There may be electives of 6 hours in upper division Government.

### Requirements for a minor in History

History 113, 123, 233 .....	9 semester hours
History 353, 363 .....	6 semester hours
Electives in History .....	3 semester hours

### Requirements for a major in Sociology

Sociology 213, 223 .....	6 semester hours
Sociology 403 .....	3 semester hours
Electives in Sociology (May include three semester hours from Economics 213, 223; Government 333, 343; Psychology 382; Religious Education 333) .....	21 semester hours

### Requirements for a minor in Sociology

Sociology 213, 223 .....	6 semester hours
Electives in Sociology .....	12 semester hours

### Requirements for a major in Social Studies

History 113, 123, 233 .....	9 semester hours
History 353, 363 .....	6 semester hours
Sociology 213, 223 .....	6 semester hours
Government 213, 233 .....	6 semester hours
Economics 213 .....	3 semester hours
Electives in Social Studies .....	6 semester hours

### Requirements for a minor in Social Studies

History 113, 123, 233 .....	9 semester hours
Sociology 213 .....	3 semester hours
Government 213 .....	3 semester hours
Electives in Social Studies .....	6 semester hours

### Requirements for a minor in Government

Government 213, 233 .....	6 semester hours
Electives in Government .....	12 semester hours

**GOVERNMENT**

Government 213. **Federal Government.** An intensive study of the Federal Government of the United States. The purpose of this course is to furnish a guide to American citizenship, as well as to furnish a manual for the various phases of the constitutional system of the United States, including a general study of state and local government. Prerequisite: Sophomore standing. (Each semester)

3 semester hours

Government 233. **Arizona History and Government.** The first half of the course will concentrate on Arizona history from pre-territorial days to the present, emphasizing economic and social developments as well as political factors. The second half of the semester will be devoted to a study of the structure of Arizona's government at the state, county, and local levels. Each half of the course may be taken separately for 1½ hours each. Prerequisite: Sophomore standing. (Each semester)

3 semester hours

Government 313. **Comparative Government.** A comparative study of the organization and operation of selected governments in the world today, with special emphasis on the Soviet Union, England, France, and the United States. Prerequisite: 6 hours of History or Government. (Fall, 1965, and alternate years)

3 semester hours

Government 323. **International Relations.** History of international politics, contemporary world power structure, international law and organization. Prerequisite: 6 hours of History or Government. (Spring, 1966, and alternate years)

3 semester hours

Government 333. **Political Thought.** Evolution of European and American political doctrines, with emphasis upon the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 18th Century Enlightenment. Prerequisite: 6 hours of History or Government. (Fall, 1964)

3 semester hours

Government 343. **Contemporary Political Thought.** A continuation of Government 333, dealing with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and the study of socialism, communism and facism in the modern world. Prerequisite: Government 333, or sufficient work in history or philosophy to provide an adequate background. (Spring, 1965)

3 semester hours

Government 353. **Federal Government.** (Same as Government 213 except offered on an upper division level.)

3 semester hours

Government 363. **Arizona History and Government.** (Same as Government 233 except offered on an upper division level.)

3 semester hours

**HISTORY**

History 113. **History of Civilization I (to the Renaissance.)** A course designed to introduce the student to the origin and early development of Western civilization, with emphasis divided between cultural, political, and socioeconomic factors. (Each fall)

3 semester hours

History 123. **History of Civilization II (Renaissance-1900.)** A continuation of 113. The Renaissance and Reformation as transition to the modern period, and the resultant emergence of national states, set the pattern for Western institutions as they matured. (Each spring)

3 semester hours

History 233. **History of Civilization III (The World Since 1900.)** A continuation of 113, 123. A more detailed study of the swiftly changing tide of events that characterize the revolutionary world of today. Special emphasis is placed on the evolving split between democracy and totalitarianism. (Each semester)

3 semester hours

History 213. **American History, the Colonial and Early National Period.** European expansion in America, the English colonies, colonial institutions, the American Revolution and Constitution, launching the new government, nationalism and sectionalism, westward expansion, slavery, and the Civil War. (Fall)

3 semester hours

History 223. **American History, the Recent Period.** A continuation of History 213 dealing with the problems in the wake of the Civil War, post-war expansion, the Industrial Revolution in America, transition to a world power, domestic and foreign issues of the twentieth century. (Spring)

3 semester hours

History 313. **History of England to 1815.** A study of the origin and the development of the English people; their political, social, economic, and cultural institutions. Prerequisite: History 113 and 123. (Fall, 1964)

3 semester hours

History 333. **The Renaissance and Reformation.** A study of European intellectual, economic, and religious developments marking the beginning of the modern era; humanism and the rediscovery of classical civilization; the rise of literature and art; Martin Luther and the revolt from Rome; Zwingli, Calvin, Knox, and others; Papacy and Empire; the Counter-Reformation. Prerequisite: History 113. (Fall, 1965, and alternate years)

3 semester hours

History 343. **The French Revolution.** A study of the Old Regime, the influence of the *Philosophers*, the Estates General, the National Constituent Assembly, the attempts of France to establish a stable government during the 1790's, the Reign of Terror, Robespierre and other leaders; the rise of Napoleon Bonaparte, the foreign wars, the Empire and the reorganization of Europe; and the Congress of Vienna. Prerequisites: History 113 and 123. (Spring, 1966, and alternate years)

3 semester hours

History 353. **United States Civilization I.** (Same as History 213 except offered on an upper division level).

History 363. **United States Civilization II.** (Same as History 223 except offered on an upper division level).

History 373. **History of Latin America.** A study of the conquest and development of Central and South America by the Spanish and Portuguese, including colonial systems, institutions, regional differentiation, and the wars of independence. Latin American republics from the era of independence to the present. Prerequisite: 6 hours of history. (Spring, 1966, and alternate years)

3 semester hours

History 383. **Economic History of the United States.** (Same as Economics 333) The progress of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisite: Economics 213, History 213, 223. (Spring, 1966)

3 semester hours

History 403. **Research Methods in History.** Location and use of research materials; techniques of organization, analysis, and interpretation; and the writing of a scholarly paper. Prerequisite: 12 hours of history. (Each fall)

3 semester hours

History 412. **Readings in American History.** A study of some of the outstanding works in American historical literature, intended to acquaint students with the leading American historians and their contributions, and to stimulate interest in the finest traditions of historical scholarship. Prerequisite: History 213 and 233. (Spring, 1966, and alternate years)

2 semester hours

History 413. **Russia and the Near East.** Story of the Russian peoples and their rulers from the earliest times to the present; the development of a Russian *volksgeist*, with its autocracy, sadness, violence, and national aspirations. Russian expansion during the Romanov period; the Near East in its relations with Russia; the Bolshevik Revolution and Soviet Russia. Prerequisite: History 113, 123. (Fall, 1965, and alternate years)

3 semester hours

History 432. **Readings in European History.** A study of some of the outstanding works of contemporary writers in selected periods of European history, to acquaint students with significant thought and culture which are representative of the Western heritage. Prerequisite: History 113 and 123. (Spring, 1965, and alternate years)

2 semester hours

History 433. **Nineteenth Century Europe.** From the legacy of the French Revolution to World War I. The new technology, its impetus to the class struggle within nations, and to international tensions between nations as imperialism is extended; revolutionary labor movements; the impact of Western civilization on the underdeveloped nations. Prerequisites: History 113 and 123. (Fall, 1964, and alternate years)

3 semester hours

History 443. **Twentieth Century Europe.** This course treats World War I and its aftermath in Europe; the peace treaties; interdependence of political and economic factors in the twenty years following, which contributed to the renewal of war; developments of World War II; the United Nations and contemporary efforts to establish peace. Prerequisites: History 113 and 123. (Spring, 1965, and alternate years)

3 semester hours

History 452. **American Biography.** A study of the outstanding persons in American history, their times, their character and personalities, their achievements, their failures, and the impact they have had upon the America of their day and ours. Prerequisites: History 213 and 223. (Summer, 1965)

2 semester hours

History 483. **The West in American History.** A study of the westward movement; the advancing frontier; and western political, economic, and social development from the colonial period to the twentieth century. Prerequisites: History 213 and 223. (Spring, 1965)

3 semester hours

## SOCIOLOGY

Sociology 213. **Principles of Sociology.** A study of the person and his world, the social processes, including cooperation, conflict, accommodation, and assimilation; also means of social integration including the various institutions such as the family, the school, the church, business, and the state. (Each semester)

3 semester hours

Sociology 223. **Social Problems.** A general study is made of the problems created by dependents, defectives, and delinquents; intemperance; and problems created by the existence of war, family disorganization, crime, and poverty. Prerequisite: Sociology 213. (Spring)

3 semester hours

Sociology 303. **Social Psychology.** (Same as Psychology 303) A psychological study of the individual in the social situation. Emphasis is upon the development of attitudes, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques and other forces which affect individuals in groups. This course may be taken for credit for majors or minors in either sociology or psychology. Prerequisites: Psychology 213 or Sociology 213. (Fall, 1964, and alternate years)

3 semester hours

Sociology 333. **Marriage and the Family.** This course attempts to make a sociological analysis of the family which will contribute to an understanding of its origin, structure and functions, and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the necessary adjustments of marriage and family life. Prerequisite: Sociology 213 or junior standing. (Fall)

3 semester hours

Sociology 343. **Juvenile Delinquency.** An intensive study of the extent and nature of juvenile delinquency; social and personal factors related to the development of delinquent habits; techniques for dealing with the delinquent and redirecting youth behavior in more constructive ways. Prerequisite: Sociology 213 or junior standing. (Spring)

3 semester hours

Sociology 353. **The American Community.** A comparative and inter-related study of rural-urban life considering the physical, institutional, social, cultural, and economic factors of modern living. Prerequisite: Junior standing. (Spring, 1966)

3 semester hours

Sociology 403. **Research Methods in Sociology.** Location and use of research materials; techniques of organization, analysis, and interpretation; and the writing of a scholarly paper. Prerequisite: 12 hours of sociology. (Each fall)

3 semester hours

Sociology 423. **American Minority Peoples.** A study of the various minority groups in the United States and their sociological significance in our national group and culture. The Negroes, Indians, Orientals, Mexicans, Jews, foreign-born, and war refugees are studied. Immigration—its history, the present situation, and our post-war policy. Prerequisite: Junior standing. (Fall, 1964, and alternate years)

3 semester hours

Sociology 433. **Principles of Criminology.** A study of the nature and extent of criminal behavior; theories of punishment and correction; administration of penal and reformatory institutions; apprehending, convicting and sentencing of criminals; probation and parole. Prerequisite: Sociology 213. (Fall, 1965, and alternate years)

3 semester hours

## VIII. Personnel

BOARD OF TRUSTEES

OFFICERS OF ADMINISTRATION

123

GENERAL ADMINISTRATIVE STAFF

FACULTY OF INSTRUCTION

FACULTY COMMITTEES

## Board of Trustees

### Officers:

President.....Vernon Shipp, 5150 N. 24th St., Phoenix  
 Vice President.....Calvin Ethington, P. O. Box 1005, Casa Grande  
 Secretary.....Hollis W. Nix, 5020 E. Weldon, Phoenix

### Terms Expiring 1964

Clyde Emmett Douglas .....Attorney  
 Robert T. Jenkins .....Merchant  
 J. H. Richardson .....Merchant  
 Vernon E. Shipp .....Investments  
 Percy L. Smith .....Farmer  
 George T. Stevens .....Retired  
 Cecil W. Wood .....Merchant  
 Henry Wooten .....Minister

### Terms Expiring 1965

Bob A. Anderson .....Farmer  
 Charles H. Ashcraft .....Minister  
 Earl S. Bell .....Minister  
 F. A. Carlton .....Retired  
 Calvin Ethington .....Farmer  
 Lee Faver .....Farmer  
 Harold D. McGhee .....Insurance  
 Henry A. Pearson .....Forester  
 William L. Stone .....Minister

### Terms Expiring 1966

Luther W. Allen .....Minister  
 William L. Crouch .....Farmer  
 Ralph L. Ferguson .....Insurance  
 Wilburn C. Ferguson .....Electronics  
 Jack Hall .....Minister  
 R. Q. Kinney .....Insurance  
 Hollis W. Nix .....Minister  
 William E. Pierce .....Insurance



## Administration

### Officers:

Eugene N. Patterson, A.B., Th.B., Th.M., Th.D. .... President (1959)

A.B., Howard College

Th.B., Tr.M., Th.D., New Orleans Baptist Theological Seminary

Additional Graduate Study: Union Theological Seminary; Oxford University; Eastern Baptist Theological Seminary; Temple University; (All work completed for S.T.D. except thesis.) Harvard University.

Robert S. Sutherland, B.A., M., A., Ed.D. .... Acting Dean (1956)

B.A., Union University

M.A., Murray State College

Additional Graduate Study: Northwestern University; Memphis State University; University of Mississippi; Arizona State University

Ed.D., Arizona State University<sup>1</sup>

James R. Staples, B.A., B.D. .... Executive Vice President (1962)

B.A., Ouachita College

B.D., New Orleans Baptist Theological Seminary

Additional Graduate Study: Southwestern Baptist Theological Seminary

Harry D. Kent, B.B.A., M.B.E. .... Business Manager (1955)

B.B.A., Baylor University

M.B.E., North Texas State University

Additional Graduate Study: Southern Methodist University; Arizona State University

### General Administrative Staff:

<sup>2</sup>John Max Cox, B.S., M.R.E., M.Ed. .... Dean of Students (1960)

B.S., Howard Payne College

M.R.E., Southwestern Baptist Theological Seminary

M.Ed., The University of Houston

Additional Graduate Study: Arizona State University; The University of Houston

Marie McIntosh, B.A., M.R.E., M.A. .... Dean of Women (1950)

B.A., Carson-Newman College

M.R.E., Carver School of Missions and Social Work

M.A., George Peabody College for Teachers

Additional Graduate Study: Arizona State University

James L. McNett, B.A., B.D., Th.M., Th.D.

Director of Public Relations (1956)

B.A., Friends University

B.D., Th.M., Central Seminary

Th.D., Central Seminary

Additional Graduate Study: University of Kansas; Arizona State University

<sup>1</sup>To be awarded May, 1964.

<sup>2</sup>Resigned, effective June 1, 1964.

### General Administrative Staff (Cont'd.)

<sup>3</sup>R. Vernon Ritter, B.A., B.D., M.S., in L.S., Th.D. .... Librarian (1962)

B.A., Wheaton College

B.D., Northern Baptist Theological Seminary

Th.D., Northern Baptist Theological Seminary

M.S. in L.S., University of Southern California

Mrs. Leola Brown .... Assistant Registrar (1952)

Charles M. Cooke, M.D. .... College Physician (1952)

University of Utah

Mrs. Clara J. Gilmore, R.N. .... College Nurse (1961)

St. Joseph's Hospital, Alton, Illinois

Mrs. Myrtle Eason .... Manager of the College Book Store (1953)

### Other Administrative Personnel:

Mrs. Clara Burghout .... Manager of the College Cafeteria

Mrs. Mary Carroll .... Assistant in the Registrar's Office

Mrs. Grace Dawson .... Director of Women's Dormitories

Mrs. Treva Dublin .... Bookkeeper in the Business Office

Miss Kathy Harkness .... Secretary, Department of Public Relations

Mrs. Ruth Harmon .... Secretary to the President

Mrs. Pauline Holcek .... Secretary to the Business Manager

Mrs. Norma Ledbetter .... Secretary, Office of the Dean of the College

Mrs. June Manderson .... Assistant in the Registrar's Office

Mrs. Della May .... Assistant in the Library

Mrs. Alma Muns .... Assistant in the Library

Mr. & Mrs. C. F. Plotner .... Directors of Men's Dormitories

Miss Beulah Shipp .... Bookkeeper in the Business Office

### Student Center Personnel:

<sup>4</sup>Mrs. Louise A. Robinson .... Manager

Mrs. Louise Kitchings .... Night Manager

Mrs. Azlee Bumph .... Assistant in the Student Center

### Maintenance:

Iven R. Cooper .... Superintendent of Maintenance (1957)

Hallie Nichols

W. B. Pelham

<sup>3</sup>Resigned, effective June 1, 1964.

<sup>4</sup>Resigned, effective June 1, 1964.

## Faculty of Instruction

Lloyd D. Aycock, B.S. ....Instructor in Physical Education (1962)  
B.S., Grand Canyon College  
Graduate Study; Arizona State University

Chester S. Bagg, B.Mus., M.Mus., Mus.D. ....Associate Professor of Music;  
Chairman of the Department of Music (1955)  
B.Mus., De Paul University  
M.Mus., Northwestern University  
Mus.D., Southwestern Conservatory of Fine Arts  
Additional Graduate Study: Christiansen Choral School; University of Colorado

Henry L. Bagley, B.S., M.A., Ed.D. ....Professor of Education (1962)  
B.S., Kansas State University  
M.A., Colorado State University  
Ed.D., University of Colorado

Betty L. Beck, B.A., M.A., Ph.D. ....Professor of English;  
Head of the Division of Humanities;  
Chairman of the Department of English and Speech (1949)  
B.A., DePauw University  
M.A., University of Oklahoma  
Ph.D., University of Oklahoma

Roland L. Beck, B.A., M.A., Ph.D. ....Professor of Education and Psychology;  
Head of the Division of Education, Psychology, and Physical Education;  
Chairman of the Department of Education and Psychology;  
Director of Teacher Training (1949)  
B.A., Oklahoma Baptist University  
M.A., Ph.D., University of Oklahoma

Woodrow Berryhill, B.S., M.S. ....Associate Professor of Education  
B.S., Central State College  
M.S., Oklahoma State University  
Doctoral Candidate: Arizona State University

David Burl Brazell, B.A., M.S. ....Associate Professor of Physical Education  
Chairman of the Department of Health and Physical Education;  
Director of Athletics (1951)

B.A., Arkansas State Teachers College  
M.A., University of Arkansas  
Additional Graduate Study: Arizona State University

Mildred Brazell, B.A., M.A. ....Assistant Professor of Physical Education (1952)  
B.A., Arkansas State Teachers College  
M.A., Arizona State University  
Additional Graduate Study: University of Arkansas; Arizona State University

<sup>5</sup>Ralph Terry Bryan, B.S., M.A. ....Associate Professor of English (1959)  
B.S., M.A., Arizona State University  
Additional Graduate Study: University of Colorado  
Doctoral Candidate: University of Colorado

<sup>5</sup>On leave of absence 1963-64.

<sup>6</sup>Curtis R. Burgess, B.A., M.Ed.  
Assistant Professor of Business Administration (1956)  
B.A., Bowling Green College of Commerce  
M.Ed., University of Pittsburgh

James E. Carroll, B.A., B.D. ....Assistant Professor of Religion  
Director of Religious Activities (1960)  
B.A., Howard Payne College  
B.D., Golden Gate Baptist Theological Seminary

Charles E. Druding, B.A., M.A. ....Part-time Instructor in Education (1953)  
B.A., Arizona State University  
M.A., Arizona State University  
Additional Graduate Study: Arizona State University

Clarence R. Dyer, B.S., M.E. ....Part-time Instructor in Art (1961)  
B.S., Kent State University  
M.E., Kent State University  
Additional Graduate Study: Arizona State University

Burton S. Gavitt, B.A., M.A.  
Associate Professor of Modern Languages (1953)  
B.A., University of Michigan  
M.A., University of Michigan  
Additional Graduate Study: University of Michigan; University of Arizona

<sup>7</sup>William G. Heard, B.A., M.A., Ph.D. ....Associate Professor of Psychology  
B.A., Grand Canyon College  
M.A., Arizona State University  
Ph.D.: Arizona State University<sup>8</sup>

Arthur A. Honea, B.B.A., M.B.A.  
Assistant Professor of Business Administration;  
Chairman of the Department of Business Administration  
B.B.A., North Texas State University  
M.B.A., North Texas State University  
Additional Graduate Study: University of Virginia; Arizona State University

John F. Howerton, B.A., M.A., B.D. ....Assistant Professor of Social Studies  
B.A., Grand Canyon College  
M.A., Arizona State College, Tempe  
B.D., Midwestern Baptist Theological Seminary

Harry D. Kent, B.B.A., M.B.E.  
Associate Professor of Business Administration;  
Acting Head of the Division of Applied Arts and Sciences;  
B.B.A., Baylor University  
M.B.E., North Texas State University  
Additional Graduate Study: Southern Methodist University; Arizona State University

<sup>6</sup>On sick leave

<sup>7</sup>Effective Fall Semester, 1964

<sup>8</sup>To be awarded May, 1964

Marie McIntosh, B.A., M.R.E., M.A.

Associate Professor of Social Studies (1950)

B.A., Carson-Newman College  
M.R.E., Carver School of Missions & Social Work  
M.A., George Peabody College for Teachers  
Additional Graduate Study: Arizona State University

James L. McNett, B.A., B.D., Th.M., Th.D. .... Professor of Religion (1956)

B.A., Friends University  
B.D., Th.M., Central Seminary  
Th.D., Central Seminary  
Additional Graduate Study: University of Kansas, Arizona State University

Clarice Maben, B.A., M.A. .... Assistant Professor of Social Studies (1949)

B.A., Grand Canyon College  
M.A., Baylor University

Henry M. Mann, B.S., M.A. .... Assistant Professor of Biology (1951)

B.S., Arkansas State College  
M.A., George Peabody College for Teachers  
Additional Graduate Study: Arizona State University, University of Arizona

Gordon Psalmonds, B.A., M.R.E., D.R.E. .... Professor of Religion (1954)

B.A., William Jewell College  
M.R.E., D.R.E., Southwestern Baptist Theological Seminary  
Additional Graduate Study: Southwestern Baptist Theological Seminary

Marjorie Psalmonds, B.A., B.S.M., M.R.E., M.A.

Assistant Professor of Music (1955)

B.A., William Jewell College  
B.S.M., M.R.E., Southwestern Baptist Theological Seminary  
M.A., Arizona State University  
Additional Graduate Study: Columbia University; Arizona State University; Washington University; and Union Theological Seminary

J. Niles Puckett, B.A., LL.B., Th.M., Th.D. .... Professor of Religion;  
Head of the Division of Religion and Social Studies;  
Chairman of the Department of Religion (1949)

B.A., Mississippi College  
LL.B., Cumberland University  
Th.M., Th.D., Southern Baptist Theological Seminary

<sup>9</sup>Frederick S. Rolater, B.A., M.A., .... Associate Professor of Social Studies;  
Chairman of Department of Social Studies

B.A., Wake Forest College  
M.A., University of Southern California  
Additional Graduate Study: University of Southern California

Roger L. Schmidt, B.A., M.A. .... Assistant Professor of English (1962)

B.A., Grand Canyon College  
M.A., Arizona State University  
Additional Graduate Study: Arizona State University

Betty Scott, B.F.A. .... Part-time Instructor in English

B.F.A., University of Arizona  
Graduate Study: University of Vienna, and Akademie fur Musik und Darstellende Kunst, Vienna (Academy of Music and Dramatic Art)

<sup>9</sup>Effective Fall Semester, 1964

Robert S. Sutherland, B.A., M.A., Ed.D.

Associate Professor of English (1956)

B.A., Union University  
M.A., Murray State College  
Additional Graduate Study: Northwestern University; University of Mississippi;  
Arizona State University  
Ed.D., Arizona State University, to be awarded May, 1964.

Shih-Ming Wang, B.A., M.A. .... Associate Professor of Science;  
Acting Head of the Division of Science and Mathematics;  
Chairman of the Department of Science and Mathematics (1953)

B.A., University of Shanghai  
M.A., George Peabody College for Teachers  
Additional Graduate Study: University of Arizona; Arizona State University; University of California at Los Angeles; University of Wyoming; A and M College of Texas; New York University

Grace Weller, B.A., M.Mus. .... Associate Professor of Music (1950)

B.A., Georgetown College  
M.Mus., Cincinnati Conservatory of Music  
Additional Graduate Study: University of Kentucky; University of California at Los Angeles; University of Vienna; and Akademie fur Musik und Darstellende Kunst, Vienna (Academy of Music and Dramatic Art)

Robert E. Wright, B.S., M.S. .... Assistant Professor of Education

B.S., Southwestern State College  
M.S., Southwestern State College  
Additional Graduate Study: Arizona State University

Paul A. Youngs, B.A., B.D., Th.M., M.N.S.

Assistant Professor of Mathematics and Physics (1956)

B.A., University of Corpus Christi  
B.D., Th.M., Southern Baptist Theological Seminary  
M. Nat. Sci., Arizona State University  
Additional Graduate Study: A and M College of Texas; University of California at Davis

## Additional Part-time Instructors

### Spring, 1964

John D. Caley, B.B.A. .... Part-time Instructor in Business Administration

B.B.A., Washburn University of Topeka  
C.P.A., Kansas

Nancy G. Callin, B.S. .... Part-time Instructor in Education

B.S., Grand Canyon College  
Post Graduate Study: Grand Canyon College

Marjorie Campion, B.S., B.A. ....Part-time Instructor in Education

B.S., Wayne State University  
B.A., Wheaton College

Patrick O. Copley, B.A., M.A. ....Part-time Instructor in Social Studies

B.A., Grand Canyon College  
M.A., Arizona State University  
Additional Graduate Study: Arizona State University; University of Kentucky

Creighton H. Delaney, B.A., B.A., M.A. ....Part-time Instructor in Education

B.A., Oklahoma City University  
B.A., Central State College  
M.A., Arizona State University  
Doctoral Candidate: Arizona State University

## Faculty Committees

for

1964-65

The President of the College is a member of all committees. The first-named member is chairman, unless otherwise indicated.

**Administrative Advisory:** Patterson, Beck, Kent, Puckett, Staples, Sutherland.

### Academic Affairs:

**Academic Policies:** Psalmonds, Sutherland, Wang, Weller, Brown, (Secretary)

**Curriculum:** Puckett, B. Beck, Beck, Honea, Sutherland, Wang, Librarian

**Chapel:** M. Psalmonds, Carroll, Gavitt, Maben, Patterson, Scott.

**Scholarships:** Youngs, Beck, Kent

**Teacher Training:** Beck, Bagley, Berryhill, M. Brazell, Bryan, Corley, Mann, M. Psalmonds, Puckett, Sutherland, Youngs

### Student Affairs:

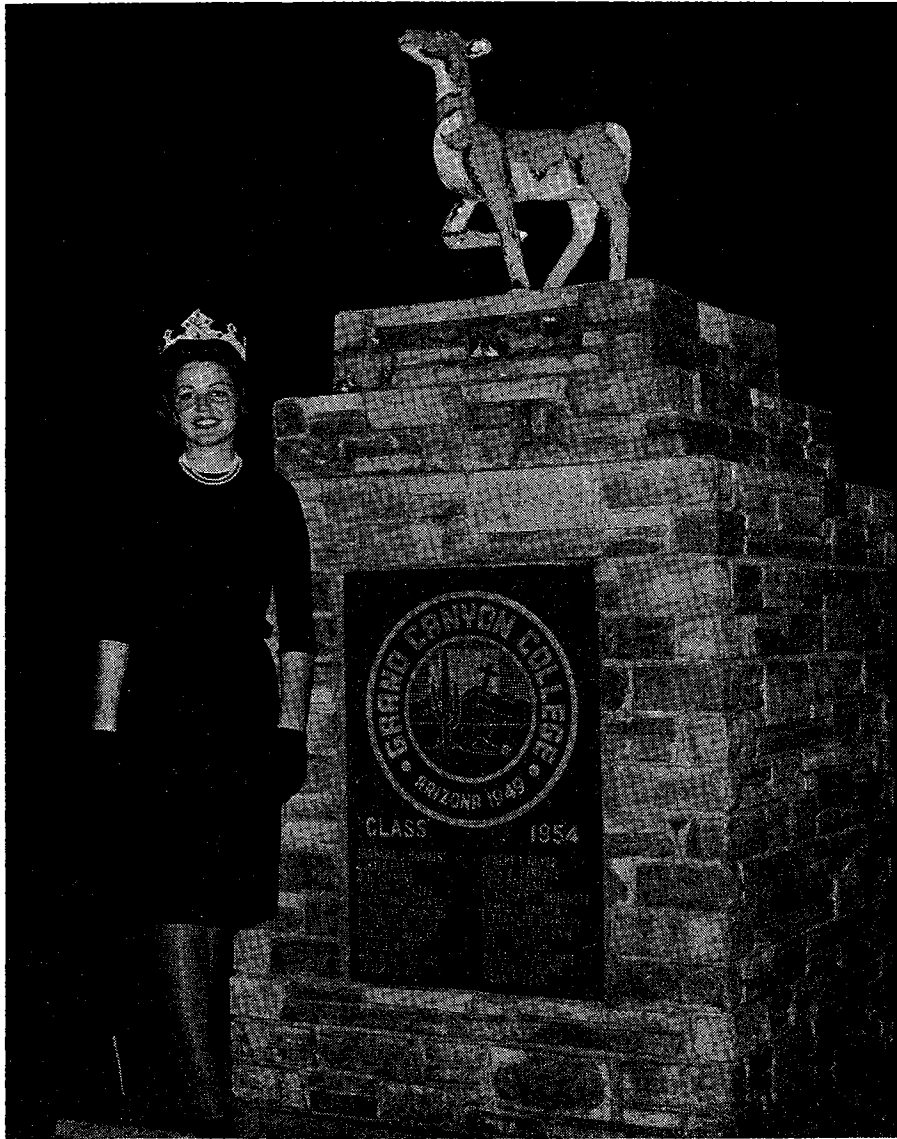
**Calendar and Activities:** M. Brazell, Bagg, Carroll, Rolater, Youngs

**Counseling:** Heard, Brazell, Bryan, Gilmore, McIntosh, Youngs

**Student Center:** Schmidt, Aycock, Berryhill, M. Eason, Psalmonds

**Publications:** McNett, Kent, Mann, Sponsor of Newspaper, Sponsor of Annual

## IX. Student Statistics



*Traditions*

GRADUATES, 1963

ENROLLMENT STATISTICS, 1963-64

## Graduates

May, 1963

### BACHELOR OF ARTS

Robert LeRoy Adams  
Jose A. Anaya  
Richard Lyman Beatie  
Gerald Arnold Conner  
William H. Dibert  
Albert Francis Goletz  
David Elton Herring  
Keith David Hull, Sr.  
Carol Piepergerdes Hunt  
Edward Richard Korb  
James Paul Lambeth  
Walter Wolf Mercer  
Paul W. Nix  
Gary D. Ramer  
Barbara Murray Richmond  
Ella Mae Sisco  
Mary L. Zichterman

### BACHELOR OF SCIENCE

David Paul Anfinson  
Myrtle Wilson Armstrong  
John Frank Bartell  
Mary E. Buchik  
Jerry J. Conner  
Everett Turner Corbin  
Mabel Irene Corbin  
Patricia Ann Davis  
Mary Lee Gage  
James Allen Green  
Katherine Elizabeth Hazelton  
Melba Crowell Hendricks  
Stephan G. Knight  
Vicki Marie Land  
Jeanene Gibson Lawson  
Caroline Treadaway Miller  
John Morris Mulkey, Jr.  
Melvin J. Owens  
Peggy Sue Reid  
Bennaneal Monteith Sartain  
Kenneth R. Smith  
Patsy Kay Sparkman  
Alma Faye Thomas  
Virgil Tipton Watkins  
W. Lynn Wood  
Gary Don Woods  
Karen Kay Woods

August, 1963

### BACHELOR OF ARTS

Mona Jean Akins  
Bennie Howard Clayton  
Barbara Ann Eddy  
Gilbert S. Gee  
Angela V. de Martinez  
Harold Winfred Pope  
Elna Floreen Stanley

### BACHELOR OF SCIENCE

Elda R. Betsinger  
Viola B. Brooks  
Sherrene Kay Evans  
Mary Florence Hahn  
Barbara Ann Hodges  
Xenia Hyduke  
James John Lambros  
Jeanne Putnam Manton  
Patricia Tenney Miller  
Jeannine McAbee Payne  
Irene Koen Pomeroy  
Carol Lorene Roseman  
Patricia Pauley Rummage

# ENROLLMENT STATISTICS — June 1, 1963 - May 31, 1964

Classification	Men	Women	Total
Freshmen .....	96	79	175
Sophomores .....	64	38	102
Juniors .....	70	55	125
Seniors .....	50	59	109
Auditors .....	37	52	89
Specials .....	124	256	380
Totals .....	441	539	980

## DENOMINATIONS REPRESENTED BY STUDENTS ENROLLED

Assembly of God	Free Methodist
Baptist:	Greek Orthodox
Southern Baptist	Jewish
Other Baptists	Latter Day Saints
Bible	Lutheran
Catholic	Mennonite
Christian	Methodist
Christian Missionary Alliance	Missionary
Christian Scientist	Nazarene
Church of the Brethren	Non-denominational
Church of Christ	Presbyterian
Church of God	Quaker
Community	Reformed
Congregational	Reorganized Latter Day Saints
Episcopal	Unitarian
Evangelical Free	Unity
Foursquare Gospel	

## STATES REPRESENTED BY STUDENTS ENROLLED

Alabama	Maryland	Ohio
Alaska	Michigan	Oklahoma
Arizona	Minnesota	Oregon
California	Missouri	Pennsylvania
Colorado	Montana	South Dakota
Idaho	Nevada	Tennessee
Illinois	New Jersey	Texas
Indiana	New Mexico	Utah
Iowa	New York	Vermont
Kansas	North Dakota	Virginia
Louisiana		Washington

## FOREIGN COUNTRIES REPRESENTED BY STUDENTS ENROLLED

Canada	Honduras	Japan	Korea	Tanganyika
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Absences	Courses, numbering of, 39
See Attendance Regulations, 41	Curricula:
From Campus and City, 40	Curricula requirements for
Academic supervision, 38	graduation, 58-61
See probation, 39	Suggested programs for
Accreditation, 19	graduation, 62-63
Administration, officers of, 126	Degrees offered, 57, 60
Administrative Staff, 126-127	Departments of instruction
Admission:	See various subjects of study
General requirements, 9	Discipline, 27
High school graduates, 9-10	Dormitories:
By Individual approval and	Fees, 47
examination, 9	Occupancy, 27-28
Pre-registration requirements, 9-10	Regulations, 27-28
Transfer students, 10-11	Residence regulations, 27-28
Foreign students, 11-12	Reservation, fee, 10, 13, 46
To summer sessions, 6	Drama, courses in, 96
Request for	Dropping of classes, 37, 47-48
Application forms, 13-14	Economics, courses and minor in, 72-73, 69
Alumni Association, 22	Education and Psychology:
Alpha Psi Omega, 30	Courses in, 81-84
Application forms: requests for, 13-14	Programs, 77-79
Arizona Southern Baptist Convention, 17	Teacher training staff, 79
Art, 91	Eligibility for activities,
Athletics:	and student offices, 40
Eligibility for participation in, 34, 40	Employment, campus, 48-49
Scholarships, 52	English:
Attendance regulations:	Courses in, 93-95
Chapel, 42	Major and minor, 92
Class, 41-42	Proficiency requirements, 40, 59-60, 92
Double absences, 42	Suggested program for major, 62
Auditors, 40	Speech and drama, 95-96
Awards, 53	Enrollment statistics, 138
Bible:	Evening classes, 46
Courses in, 113-115	Extension work, 57
Major and minor in, 113	Expenses, 45-48
Suggested Program for major, 62	Faculty of Instruction, 128-132
Biology:	Financial information, 45-53
Courses in, 108	Foreign Students:
Major and minor in, 107	Adviser, 11
Suggested program for major, 63	Enrolled, 138
Brantner Music Library, 21	Forensic Club, 30
Business Administration:	French, 96-97
Courses in, 70-72	General Education requirements, 58-61
Major and minor in, 69	General Information, 17-23
Suggested programs, 63	General Science, Minor in, 107
Calendar, 4-5	German, course and minor in, 97
Campus facilities, 20	Government, courses and
Canyon Business Club, 30	minor in, 118, 117
Certification of Teachers:	Grading system, 37
See Teacher-training curricula, 77-80	Graduates, 1963, 137
Change of classes, 37	Graduation:
Chapel attendance, 42	General requirements, 57
Chemistry, 108-109	Grade Average Required, 38-39, 57
Choir, (Choralaires), 97-98	Curricular requirements, 58-61
Classification of students, 40	With Honors, 39
Clubs, 30	Greek, New Testament, courses in, 115
Conduct of students, 27	Guidance program, 21-22
Control of the College, 17	Health Certificate required, 10, 13
Correspondence work, 11, 40-41, 57	Health Education, courses in, 86
Counseling program, 22	Required for graduation, 62-63, 85
Course load regulations, 41	

- Health service to students, 28
- History:
  - Courses in, 119-121
  - Major and minor, 117
  - Suggested program for major, 62
- History of the College, 17
- Holidays:
  - Dormitories closed for, 28
  - Missing classes on, 42
  - See Academic Calendar, 4-5
- Housing, 27-28
- Insurance, 28, 47
- International Relations Club, 30
- Intramural Athletics, 32
- Library, 20
  - Library Science, courses in, 84
- Loan funds, 49-50
- Loss of credit, 39, 42
- Major and minor:
  - Graduation requirements, 60-61
  - Residence requirements, 57
  - Selection or change, 40
- Marriages, student, 29
- Mathematics:
  - Courses in, 109-110
  - Major and minor in, 107
  - Suggested program for major, 63
- Maximum hours in a subject, 41
- Ministerial tuition grants, 51
- Modern Languages:
  - Courses in, 96-97
  - Requirements for graduation, 96
  - Minimum allowed toward graduation, 96
  - Modern Language Club, 30
  - See also, Greek, 115
- Music:
  - Courses in, 100-104
  - Major and minor in, 99-100
  - Suggested programs for majors, 62-63
- Music Education, 101
- Music Library (Brantner Collection), 21
- Numbering of courses, 39
- Opera and Oratorio Society, 97-98
- Organization funds, 48
- Pierian Club, 30
- Philosophy, 62, 116
- Physical education:
  - Courses in, 86-88
  - Major and minor in, 85-86
  - Required for graduation, 62-63, 85
  - Suggested program for major, 63
  - Veterans, credit allowed, 85
- Physics, courses in, 110
- Pre-professional Training, 61
- Probation, students on, 10, 38-39
- Psychology, courses and minor in, 83-84
- Publications, alumni, 31
  - College, 31
  - Student, 31
- Quality points, 37-40
- Record library, 21
- Refunds, 47-48
- Registration, 4-5
  - Late registration fee, 46
- Religion:
  - Courses in Bible, 113-115
  - Major and minor, 113
  - See also, Religious Education, 116
- Religious organizations, 31
- Religious education courses and
  - minor in, 113, 116
- Residence requirements for graduation, 57
- Schedule changes, 37
- Scholarship supervision and suspension, 38
- Scholarships and awards, 50-53
- Science:
  - Biology, major and minor in, 107
  - Chemistry, 108-109
  - General Science, minor in, 107
  - Physics, 110
- Secretarial science, courses and
  - minor in, 73, 69
- Semester defined, 45
- Shorthand, courses in, 73
- Social studies, department of, 117
  - Major and minor in, 117
  - Suggested program for major in, 62
  - See also, Government, History, Sociology
- Sociology:
  - Courses in, 121-122
  - Major and minor in, 117
  - Suggested program for major, 62
  - See Social Studies
- Spanish, courses in, 97
- Special students, 40
- Speech, courses in, 95
- Sports, Varsity Club, 30
- Student Council, 29
- Student life, 27
- Student marriages, 29
- Student NEA, 30
- Student organizations, 29
- Summer sessions, 6, 46
- Teacher Placement Bureau, 22
- Teacher Training Curricula, 77
- Teacher Training Staff, 79
- Testing program, see Guidance
  - Program, 21-22
- Tours, educational, 32
- Traditional events, 33
- Trustees, Board of, 129
- Tuition, 6, 45-47
- Tuition grants, 50-53
- Typing, courses in, 73
- Varsity Club, 30
- Veterans:
  - Admission by examination, 9
  - Credit allowed for active service, 85
  - College approved for training, 19-20
- Withdrawal, 37
- Women's Recreation Association, 30





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