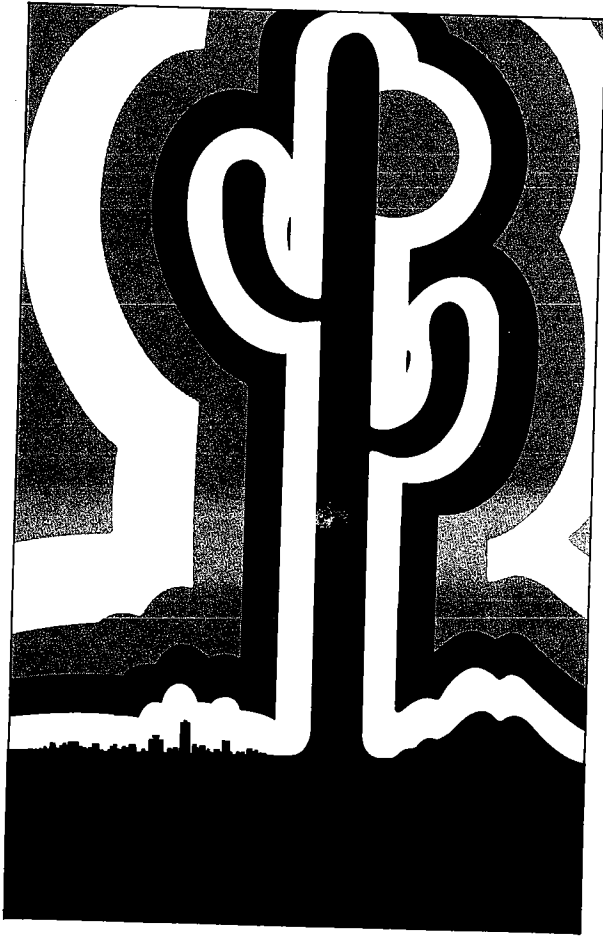


MRS. HORN



Grand Canyon College General Catalog

1978-1979

CATALOG

Grand Canyon College

3300 West Camelback Road
PHOENIX, ARIZONA 85017

*A Christian Liberal Arts College
Owned and Operated by
Arizona Southern Baptists
Founded in
1949*



1978-79

1979-80

THE COLLEGE SEAL

The seal of Grand Canyon College depicts the saguaro cactus, the state flower, silhouetted against an outline of the State of Arizona. In the background are mountain ranges with a cross erected on the highest peak, illuminating the map of the state. The desert scene represents the barren state of uneducated man. The clouds approaching from beyond the mountains give promise that the barren desert may come to know life, beauty and fruitfulness. The saguaro cactus, with branches pointing upward, signifies the four years of intellectual endeavor and opportunity afforded students at Grand Canyon College. The mountains in the background symbolize the challenging achievements awaiting on the horizons of the future. The cross serves as a guide and source of spiritual enlightenment. Between the outer circle representing the earth and the inner circle representing the wheel of progress, the name of the College and the place and date of its founding are inscribed.

The use of the seal is permitted only with approval of the President of the College.

The colors of Grand Canyon College are purple and white.



Recommended by the faculty and adopted by the trustees.

Foreword

Grand Canyon College is a Christian, liberal arts college. As such, it offers bachelor's degree programs which feature academic excellence in an environment where a Christian perspective is emphasized. The College strives to attract capable, ambitious, and moral people who can benefit from a college education with a Christian emphasis and who are motivated by ideals of service in various fields of human endeavor.

The College is open to academically and morally qualified students, regardless of national origin, race, creed, sex, or religious beliefs.

Grand Canyon College is a member of the North Central Association of Colleges and Secondary Schools.

Annually Grand Canyon College informs students of the Family Educational and Privacy Act of 1974. This Act, with which the institution intends to comply fully, was designed to protect the privacy of education records, to establish the right of students to inspect and review their educational records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act office (FERPA) concerning alleged failures by the institution to comply with this Act.

Local policy explains in detail the procedures to be used by the institution for compliance with the provisions of the Act. Copies of the policy can be found in the Registrar's office. The policy is also printed in the class schedule.

The Registrar's office maintains a Directory of Records which lists all educational records maintained on students by this institution.

Questions concerning the Family Education Rights and Privacy Act may be referred to the Registrar's office. March 1, 1978

Directory for Correspondence

College Mailing Address	Grand Canyon College 3300 W. Camelback Road Phoenix, Arizona 85017
General Policy, Gifts and Endowment, Legal Matters	President of the College
Academic Matters, Faculty, Curriculum, and Program	Vice President for Academic Affairs
Admissions, Catalog	Registrar
Expenses, Financial Arrangements, Student Employment on Campus	Director of Financial Aid
Student Employment off Campus	Director of Placement
Tuition Grants for Ministerial Students	Director of Religious Activities
Dormitories and Housing	Vice President for Student Affairs, Administrative Assistant
Fund Development and Estate Planning	Vice President for Development
Associated Students, Student Publications	Vice President for Student Affairs
Publicity Materials	Director of Public Relations
Teacher Education	Director of Teacher Education
Veterans' Affairs	Director of Financial Aid
Selective Service	Vice President for Student Affairs
Summer School	Vice President for Academic Affairs
Alumni Affairs	Secretary of the Alumni Association

INFORMATION FOR VISITORS

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

Office hours are 8 a.m. to 5 p.m., Monday through Friday, and 9 a.m. to 12 o'clock noon on Saturday. Office holidays: Thanksgiving Day, Christmas Eve, Christmas Day, New Year's Day, Memorial Day, and Independence Day.

Visitors are always welcome on the campus. One who anticipates a visit to the campus when offices will be closed may make arrangements by writing to the Vice President for Academic Affairs. If plans cannot be made far enough in advance, a telephone call will often find someone at the switchboard to arrange a visit. Telephone: 249-3300, Area Code 602.

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ACADEMIC CALENDAR — FALL SEMESTER

	1978	1979
Faculty Workshop	Sept. 1	Aug. 31
Dormitories open for new students	Sept. 4	Sept. 3
Conferences, placement tests, and orientation for new students	Sept. 5	Sept. 4
Registration for Seniors, Juniors, Sophomores	Sept. 5	Sept. 4
Registration for Freshmen and Transfers	Sept. 6	Sept. 5
Instruction begins	Sept. 7	Sept. 6
Evening Registration	Sept. 7, 11, 12	Sept. 6, 10, 11
Instruction begins, evening classes	Sept. 7	Sept. 6
Last day to register for credit	Sept. 18	Sept. 17
Records close for mid-term	Oct. 27	Oct. 26
Mid-term grade reports due	Oct. 27	Oct. 31
Founders Day (Monday)	Nov. 1	Nov. 6
Veterans Day (Day classes only)	Nov. 11	Nov. 11
Last day to drop courses without penalty	Nov. 15	Nov. 8
Thanksgiving Holidays	Nov. 23-24	Nov. 22-23
Final Examinations (5th period MWF on Dec. 15, 14)	Dec. 18-21	Dec. 17-21
Grade reports due	Dec. 23	Dec. 22
Christmas Holidays	Dec. 22-Jan. 8	Dec. 22-Jan. 7

STUDENT TEACHING

Classes begin	Sept. 7	Sept. 6
Last day to register for education block courses	Sept. 13	Sept. 12
Last day to drop education block courses without penalty	Oct. 13	Oct. 12
Classes end	Nov. 3	Nov. 2
Student teaching begins	Nov. 6	Nov. 5
Student teaching ends	Jan. 19	Jan. 18
Semester break for student teachers	Jan. 20-29	Jan. 19-28
January Term begins (Monday)	Jan. 9	Jan. 8
January Term ends (Friday)	Jan. 27	Jan. 26
January Term reports due by 12:00 noon	Jan. 28	Jan. 27

1978

JUNE	SEPTEMBER
S M T W T F S	S M T W T F S
1 2 3	1 2
4 5 6 7 8 9 10	3 4 5 6 7 8 9
11 12 13 14 15 16 17	10 11 12 13 14 15 16
18 19 20 21 22 23 24	17 18 19 20 21 22 23
25 26 27 28 29 30	24 25 26 27 28 29 30
JULY	OCTOBER
S M T W T F S	S M T W T F S
1	1 2 3 4 5 6 7
2 3 4 5 6 7 8	8 9 10 11 12 13 14
9 10 11 12 13 14 15	15 16 17 18 19 20 21
16 17 18 19 20 21 22	22 23 24 25 26 27 28
23 24 25 26 27 28 29	29 30 31
30 31	
AUGUST	NOVEMBER
S M T W T F S	S M T W T F S
1 2 3 4 5	1 2 3 4
6 7 8 9 10 11 12	5 6 7 8 9 10 11
13 14 15 16 17 18 19	12 13 14 15 16 17 18
20 21 22 23 24 25 26	19 20 21 22 23 24 25
27 28 29 30 31	26 27 28 29 30
DECEMBER	
S M T W T F S	
1 2	
3 4 5 6 7 8 9	
10 11 12 13 14 15 16	
17 18 19 20 21 22 23	
24 25 26 27 28 29 30	
31	

SUMMER SESSIONS*

1978 Presessions	May 29-June 9
First Term	June 9-July 14
Second Term	July 15-August 18
1979 Presessions	May 18-June 8
First Term	June 8-July 13
Second Term	July 14-August 17
1980 Presessions	May 26-June 6
First Term	June 6-July 11
Second Term	July 12-August 15

*NOTE: The initial date in each instance is the date of registration.

ACADEMIC CALENDAR - SPRING SEMESTER

	1979	1980
Dormitories open for new students	Jan. 29	Jan. 28
Conferences for new students	Jan. 30	Jan. 29
Registration of Seniors, Juniors, and Sophomores	Jan. 30	Jan. 29
Registration of Freshmen and Transfers	Jan. 31	Jan. 30
Instruction begins, day classes	Feb. 1	Jan. 31
Evening registration	Feb. 1, 5, 6	Jan. 31, Feb. 4, 5
Instruction begins, evening classes	Feb. 1	Jan. 31
Last day to register for credit	Feb. 12	Feb. 11
Records close for mid-term grades	Mar. 23	Mar. 21
Mid-term grade reports due by 12:00 noon	Mar. 28	Mar. 26
Spring vacation	Apr. 7-16	Mar. 31-Apr. 7
Last day to drop courses without penalty	Apr. 20	Apr. 11
Grade reports for Seniors due 12:00	May 24	May 23
Final examinations	May 18-24	May 16-22
Grade reports due 5:00 p.m.	May 28	May 26
Baccalaureate service 10:00 a.m.	May 26	May 24
Commencement 5:00 p.m.	May 26	May 24

STUDENT TEACHING

Classes begin	Feb. 1	Jan. 31
Last day to register for education block courses	Feb. 7	Feb. 6
Last day to drop education block courses without penalty	Mar. 12	Mar. 10
Classes end	Mar. 30	Mar. 28
Student teaching begins	Apr. 2	Mar. 31
Student teaching ends	June 1	May 30

1979			1980		
JANUARY	MAY	SEPTEMBER	JANUARY	MAY	
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	
1 2 3 4 5 6	1 2 3 4 5	1 2 3 4 5 6 7 8	1 2 3 4 5	1 2 3 4 5	
7 8 9 10 11 12 13	6 7 8 9 10 11 12	9 10 11 12 13 14 15	6 7 8 9 10 11 12	4 5 6 7 8 9 10	
14 15 16 17 18 19 20	13 14 15 16 17 18 19	16 17 18 19 20 21 22	13 14 15 16 17 18 19	11 12 13 14 15 16 17	
21 22 23 24 25 26 27	20 21 22 23 24 25 26	23 24 25 26 27 28 29	20 21 22 23 24 25 26	18 19 20 21 22 23 24	
28 29 30 31	27 28 29 30 31	30	27 28 29 30 31	25 26 27 28 29 30 31	
FEBRUARY	JUNE	OCTOBER	FEBRUARY	JUNE	
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	
1 2 3	1 2	1 2 3 4 5 6	1 2 3 4 5	1 2 3 4 5 6 7	
4 5 6 7 8 9 10	3 4 5 6 7 8 9	7 8 9 10 11 12 13	3 4 5 6 7 8 9	8 9 10 11 12 13 14	
11 12 13 14 15 16 17	10 11 12 13 14 15 16	14 15 16 17 18 19 20	10 11 12 13 14 15 16	15 16 17 18 19 20 21	
18 19 20 21 22 23 24	17 18 19 20 21 22 23	21 22 23 24 25 26 27	17 18 19 20 21 22 23	22 23 24 25 26 27 28	
25 26 27 28	24 25 26 27 28 29 30	28 29 30 31	24 25 26 27 28 29	29 30	
MARCH	JULY	NOVEMBER	MARCH	JULY	
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	
1 2 3	1 2 3 4 5 6 7	1 2 3	1 2 3 4 5 6 7	1 2 3 4 5	
4 5 6 7 8 9 10	8 9 10 11 12 13 14	4 5 6 7 8 9 10	2 3 4 5 6 7 8	6 7 8 9 10 11 12	
11 12 13 14 15 16 17	15 16 17 18 19 20 21	11 12 13 14 15 16 17	9 10 11 12 13 14 15	13 14 15 16 17 18 19	
18 19 20 21 22 23 24	22 23 24 25 26 27 28	18 19 20 21 22 23 24	16 17 18 19 20 21 22	20 21 22 23 24 25 26	
25 26 27 28 29 30 31	29 30 31	25 26 27 28 29 30	23 24 25 26 27 28 29	28 29 30 31	
APRIL	AUGUST	DECEMBER	APRIL	AUGUST	
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	
1 2 3 4 5 6 7	1 2 3 4	1 2 3 4 5 6 7 8	1 2 3 4 5	1 2	
8 9 10 11 12 13 14	5 6 7 8 9 10 11	2 3 4 5 6 7 8	6 7 8 9 10 11 12	3 4 5 6 7 8 9	
15 16 17 18 19 20 21	12 13 14 15 16 17 18	9 10 11 12 13 14 15	13 14 15 16 17 18 19	10 11 12 13 14 15 16	
22 23 24 25 26 27 28	19 20 21 22 23 24 25	16 17 18 19 20 21 22	20 21 22 23 24 25 26	17 18 19 20 21 22 23	
29 30	26 27 28 29 30 31	23 24 25 26 27 28 29	27 28 29 30	24 25 26 27 28 29 30	



I. General College Information

General Purpose

Specific Objectives

Christian Emphasis

Governing Body

Faculty

Students

Accreditation

Teacher Education

Special Secretarial Program

Preprofessional Training

Evening Classes

January Term

Summer Sessions

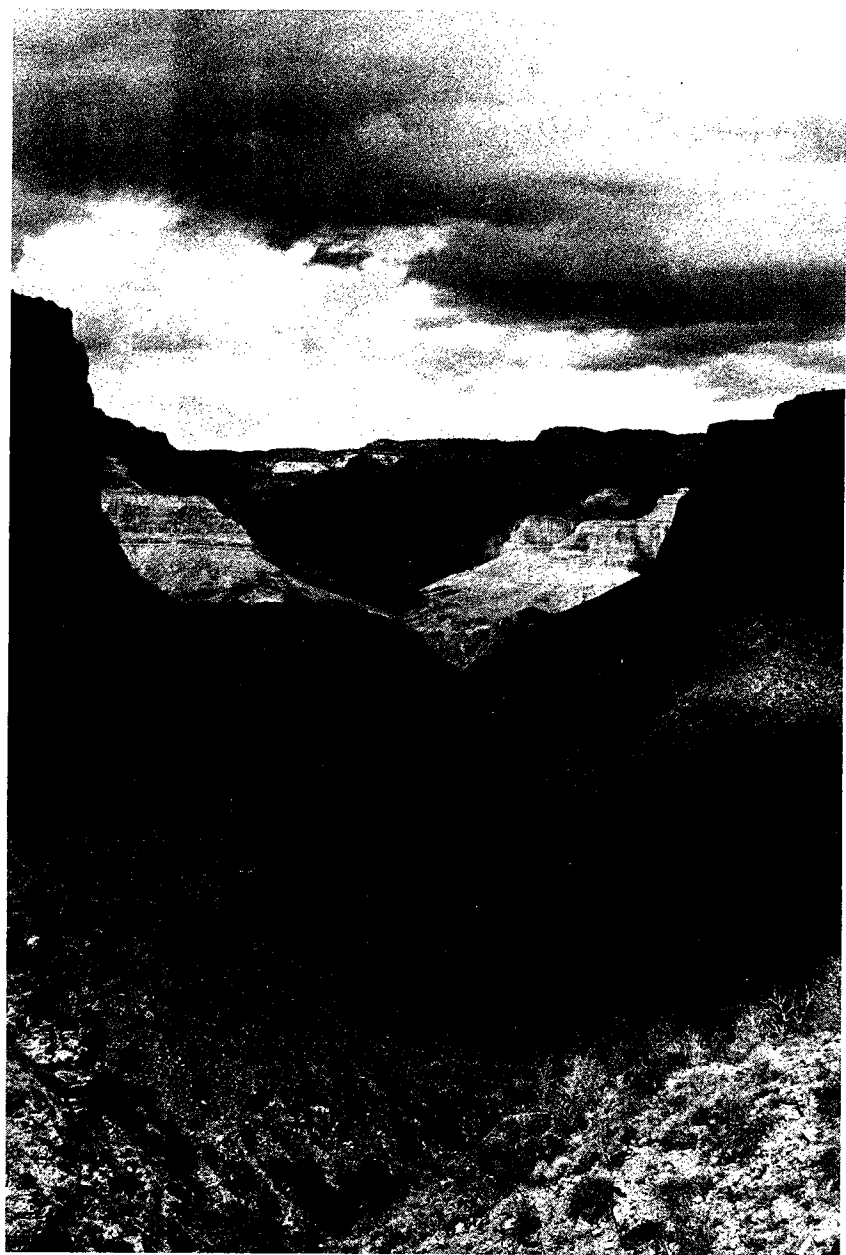
Historical Sketch

Location

Campus

College Publications

Alumni Association



GENERAL COLLEGE INFORMATION

GENERAL PURPOSE

The purpose of Grand Canyon College, as a Christian, liberal arts college, is to offer bachelor's degree programs which emphasize academic excellence in an environment where a Christian perspective is maintained. Working toward this purpose, the board of trustees, the administration, and the faculty strive to attract capable, ambitious, and moral 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

In an effort to attain the general purpose stated above, Grand Canyon College seeks to provide a liberal education which will enable students to strengthen the spiritual, mental, social, moral, physical, aesthetic, and professional aspects of their lives by furnishing the opportunity to develop the following qualities:

1. An appreciation of spiritual realities, and of God's concern for the natural universe and its laws, for social institutions, and for each individual's life.

2. A high level of competence in effective analysis, in accurate and constructive thinking, in appropriate evaluation of evidence, in distinction of truth from error, and in creative scholarship.

3. A personal awareness of social values; an experience of courtesy, enjoyment, and poise in association with others; a concern for our American heritage and for human dignity and freedom; and a sense of responsibility toward community service.

4. Habits of clean living, clean speech, temperance, and personal decency; a sense of responsibility for doing high grade, honest work; and a proper regard for the rights and feelings of others.

5. Healthful living practices, physical vigor, and the enjoyment of participation in a variety of recreational activities.

6. A better understanding and appreciation of aesthetic values and of man's efforts toward self-expression in the creative arts.

7. The acquisition of professional skills that will prepare them for their chosen careers.

The curriculum is designed to implement the purpose of the College in developing Christian principles of leadership and thinking in all phases of man's activities. Emphasis is placed upon the effort to provide a liberal education which supports professional competence.

CHRISTIAN EMPHASIS

Grand Canyon College attempts to provide a Christian atmosphere where spiritual issues are discussed, religious experiences are encouraged, and the relevance of Christianity to our culture is explored. The Christian emphasis of the College finds expression in both structured and unstructured campus activities.

Structured activities include required attendance at chapel services, courses in Bible required for graduation, and the activities of the Christian Service Council and other religiously oriented groups. The chapel provides students with an opportunity to set academic pursuits aside and worship with the entire student body, faculty, and administration. Each year two special weeks of religious emphasis are held, at which time outstanding Christian leaders speak daily to the student body and hold conferences and seminars on problems and topics relevant to young Christians.

In other events sponsored by the College, a strong Christian emphasis is maintained. These provide opportunities for a student to become involved, to express himself, and to be influenced by Christian ideals. An atmosphere of Christian living prevails in the classrooms, in the dormitories, on the athletic field, and in every college activity. It is evidenced in the college choirs, in sports events, in college sponsored tours, and in spontaneous conversations between students and faculty in classes, at lunch, or at coffee breaks.

Many students coming to Grand Canyon College are confident and clear about their religious faith; others are uncertain, indifferent, or uninformed. The confrontation of these persons with each other stimulates spiritual growth and develops new insights.

Grand Canyon College adds a spiritual thrust to the challenging and academically demanding nature of a high quality college education. The College emphasizes and exemplifies the fact that scholarship and Christianity are not only compatible but complementary in their most significant manifestations.

GOVERNING BODY

The College, owned and operated by Arizona Southern Baptists, is governed by a board of trustees elected by the Arizona Southern Baptist Convention.

The name of Grand Canyon College shall not be used by any student or any employee of the College in connection with any commercial venture, without the written approval of the President of the College.

FACULTY

The instructional staff is selected with the objectives of the College in mind, emphasis being placed upon character, academic competence, teaching ability, and personality. Evidences of character include dynamic Christian living, active participation in and financial support of church affairs, maintenance of high standards of accomplishment for themselves and for their students, and punctuality and dependability in meeting their responsibilities. Evidences of academic competence include the acquiring of advanced degrees, contributions in their fields of specialization, and professional habits of study and research. Teaching ability is largely judged by what the teacher's students learn 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, and neatness in appearance.

STUDENTS

The type of students attracted to the College determines the degree of success in achieving the objectives of the College. The students desired are those who have the capacity, personality, motivation, and background to do acceptable work and who are moved by a desire for service to God and to man.

ACCREDITATION

The College is accredited by North Central Association of Colleges and Schools.

The Arizona State Department of Education has given formal approval of the work done at the College for the certification of elementary and secondary teachers and for the renewal of certificates.

The College is a member of the Association of Southern Baptist Colleges, the Council for the Advancement of Small Colleges and the Association for Innovation in Higher Education.

The College is approved for Veterans and dependents.

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the College. (See page 64.)

TEACHER EDUCATION

The College offers training for prospective teachers for elementary school and high school. A student teaching program is made possible by contract agreement with various public and private schools in Arizona. All requirements for an elementary or secondary teaching certificate may be met at Grand Canyon College. The teacher education curriculum is described on pages 107 to 109.

SPECIAL SECRETARIAL PROGRAM

A special program is offered to persons who do not plan to complete a four-year degree program but who wish to qualify for office positions. Students who complete the curriculum and meet departmental standards will receive a certificate of proficiency. A student may complete the program in less than two years by enrolling in summer sessions. (See page 96 for further details.)

PREPROFESSIONAL TRAINING

Prelaw

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

The minimum requirements for admission to law schools vary from three years of prelegal college work to a college degree. Whenever possible, the prelaw 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 broad preparation in English, history and government, and economics is recommended. Prelaw students are advised also to complete an elementary course in accounting.

The legal profession is exacting in its standards in regard to intellectual effort, honesty, and maturity. Basic objectives of prelegal education should include the development of comprehension and articulate communication, critical understanding of human institutions, and creative power in thinking.

Pre-Health Sciences

Through the Department of Natural Sciences the College offers courses which meet or exceed the requirements for admission to schools of medicine, dentistry, veterinary medicine, pharmacy, or optometry. Students who plan to enter programs in nursing, medical technology, or other careers in health sciences, may also complete their preliminary work at the College.

Reserve Officers Training Corps

Through an arrangement with Arizona State University at Tempe, Grand Canyon College has developed a four-year program of ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University or one of the community college campuses. The goal of this professional education is to provide the foundation of military knowledge and skills needed by the junior officers of the military service. Students may take ROTC credit in Army Military Science or Aerospace Studies.

An advisory office is available to students in these pre-professional programs and all interested students are urged to contact this office. Assistance in curriculum planning and information on admission procedures is provided.

EVENING CLASSES

Regular college courses are offered during late afternoon and early evening hours. The length of the class session is adjusted so that the total meeting time for the semester is equivalent to that of a day class.

JANUARY TERM

The January interterm provides an opportunity for students to concentrate on a single area of study during a three-week period.

January Term is structured with the intent to expand the liberal arts approach through a curriculum oriented to exploration. This curricular approach is realized through course offerings that promote the opportunity for each individual to experience new places, activities, and ideas that are beyond the scope of the usual degree curriculum.

Convocation, tours, special speakers, and performances are significant features of the interterm. Students are encouraged to participate in community activities related to their studies, to visit historic sites, and to make use of many other resources for learning not readily accessible in a regular academic schedule.

Three semester hours of credit are given for the January Term. Regular tuition rates are charged plus a \$15.00 special activities fee. For courses which include tours, additional cost is based upon expenses of the tour. Grading is on a credit or non-credit basis with the emphasis on active participation and individual accomplishment. Students register for the January Term at the beginning of the Fall Semester. One January Term is required for each year of study at Grand Canyon College.

Students not regularly enrolled in Grand Canyon College may register for the January Term at any time during the Fall Semester and may receive a schedule of offerings by writing the Vice President for Academic Affairs.

SUMMER SESSIONS

Two summer sessions of five weeks each are held, offering a selection of courses in each department. A schedule of courses may be secured by writing to the Vice President for Academic Affairs.

Student Teaching During the Summer Sessions

Student teaching schedules are arranged individually, in advance, by personal interview with the Director of Teacher Education.

College graduates who are admitted to the teacher training program may enroll for six hours of elementary or secondary apprentice teaching during the summer session. Prerequisites: For elementary student teaching, Elementary Education 343, 323, 343, 363, 412, 433, 443, and Education 313, 363, 413; for secondary student teaching, Secondary Education 452, 462, 443, and Education 313, 363, 413.

Student teachers who are not enrolled in a regular program at Grand Canyon College must present a letter of request from the institution sponsoring their certification program. If students are working directly with the state department of education for certification, they are to present an official evaluation from the certification office indicating their need of student teaching. All students must complete regular matriculation requirements with the Registrar's Office before entering the teacher education program.

Expenses

Tuition for the summer session is \$54.00 per semester hour. Room rent in the dormitory for each five-week period is \$90.00; board is \$100.00 per term for a five-day meal ticket.

HISTORICAL SKETCH

The first definite steps toward founding Grand Canyon College were taken at the annual session of the Baptist General Convention of Arizona (now the Arizona Southern Baptist Convention) 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, and began instruction with the Fall Semester, 1949.

In September, 1951, the College was moved to Phoenix, and the first permanent buildings were erected on an 80-acre tract on West Camelback Road at Thirty-Third Avenue, where it is presently located.

The following men have served as President of the College:

Willis J. Ray, 1949-50
Leroy Smith, 1950-52
Frank Sutton (acting president), 1952
B. O. Herring, 1952-54
Glenn Eason (acting president), 1954-55
Loyed R. Simmons, 1955-58
Glenn Eason (acting president), 1958-59
Eugene N. Patterson, 1959-65
Charles L. McKay (acting president), 1965-66
Arthur K. Tyson, 1966-72
William R. Hintze, 1973-77
Dillard Whitis (acting president), 1977-

LOCATION

The College is located in the northwest area of Phoenix, the capital city of Arizona. Phoenix is near the geographical center of the state and is a thriving industrial and agricultural city with a population of over 1,351,000 in the metropolitan area. Phoenix is near many places of interest, such as the Grand Canyon, the Petrified Forest, Montezuma Castle, Oak Creek Canyon, Walnut Canyon, and Superstition Mountain.

Phoenix is 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."

Phoenix is easily accessible over transcontinental Interstate Highways 10 and 17.

Air West, American, Apache, Continental, Delta, Frontier, Trans-World, and Western airlines make it possible for one to arrive at or leave Phoenix at almost any hour.

CAMPUS

The College has over 70 acres available for development of its campus. The original buildings were constructed in 1951 of pumice block in one-story cottage style. They are now used for administrative offices, faculty offices, cafeteria, and auxiliary classrooms and laboratories. The Student Center and pavilion were secured largely through the efforts of students. Grouped around a quadrangle

landscaped with flowers and Arizona shrubs and trees, all the buildings afford a view of the mountains surrounding the Valley of the Sun. The campus is comfortable and provides an attractive setting for college living.

A gymnasium and the Fleming Library were constructed in 1957. A dormitory and a health center were completed in 1960.

A classroom building, another dormitory, a student pavilion, an addition to the library, and an extension to the cafeteria were completed in 1963. The bookstore occupied newly-constructed quarters in 1964. A dormitory addition was completed in 1967. The Ethington Memorial Little Theater was completed in 1973. The Tell Energy-Science Building was completed in 1977.

Easily accessible from a mall near the center of the campus are a cafeteria, student pavilion, and bookstore; also a student center for lounging and snacks.

All buildings are cooled in the summer, most of them by refrigeration.

The Fleming Library

More than to any other single donor, the College is indebted to the late Dr. William Fleming, together with his widow, Dr. Bessie Fleming, of Fort Worth, Texas, for the funds which have made possible the permanent buildings on the campus. Mr. Fleming was a Christian businessman who was especially interested in Christian education. His concept of his stewardship was in part to use his gifts to challenge others to give. The Flemings gave the Fleming Library outright, when the College was still in its infancy, and later provided funds on a challenge basis to build the health center, the first permanent dormitory wing, and the Fleming Classroom Building.

The Fleming Library, a two-story, red brick building, is arranged so as to provide a desirable atmosphere for study and immediate access to all materials. The library collection contains approximately 77,436 books and bound periodicals. Approximately 750 magazines and journals are received currently.

Music Library

The Brantner Memorial Library of Recordings, housed in the Fleming Library, is one of the largest to be found in a college of arts and sciences. A listening room is provided for the use of these recordings. The records in the initial collection were given by an Arizona cowboy, Chet Brantner, of Mohave County, who collected them over a period of more than 25 years. Soon after the opening of the College, he gave his entire collection so that it might furnish inspiration to the students and bring enrichment and enjoyment to the lives of many people. It is composed of approximately 600 albums containing a total of 6,000 selections.

Some of these are collectors' items and include original recordings 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 have added albums to this collection.

Athletic Facilities

A red brick gymnasium has an especially fine maple playing floor for basketball and is the home court of the 1975 NAIA champions. It contains locker and shower facilities and equipment rooms for men and for women, as well as office space and classrooms. Bleachers will seat approximately 1000. Brazell Field for baseball is nearby.

Golf and tennis are also becoming important in intermural competition. In 1978 the Youngker family of Buckeye gave the six-court Youngker Tennis Center, in memory of young Steven, who lost his life in military service. His brother and sister are graduates of the College.

Dormitories

Bright Angel Hall, named for Bright Angel Creek at the bottom of the Grand Canyon, was completed in 1960. It houses 60 men in a two-story, fireproof brick building with large and well furnished rooms.

Kachina Hall houses 28 additional men.

East Kaibab Hall, named for Kaibab Forest, was completed in 1963. An addition, Kaibab West, was completed in 1967. The combined facility is comparable to Bright Angel Hall and has a total capacity of 118 women students.

Charles M. Cooke Health Center

The alumni association of the College sponsored the raising of funds for the health center, erected in 1960. It is named in honor of the college physician. The building contains a doctor's office, two treatment rooms, a nurse's office, and a reception room. It is adequately equipped to care for the most common medical needs of students and faculty members.

Fleming Classroom Building

The Fleming Building, completed in 1963, contains eight classrooms and five offices for faculty members.

Ethington Memorial Little Theater

The Ethington Memorial Little Theater, with a seating capacity of 333, was completed in 1973. It was given by Peter and Anna Ethington.

This building serves as a small auditorium for many occasions but is inadequate for chapel services, which are held in the sanctuary of First Southern Baptist Church, adjacent to the College campus.

Tell Energy-Science Building

The Tell Energy-Science Building was completed in 1977. Initial funds for construction of this very modern and complete facility were furnished through the generosity of Mr. and Mrs. Andrew P. Tell and the Tell Foundation of Phoenix.

COLLEGE PUBLICATIONS

The Grand Canyon College Bulletin is authorized by the board of trustees and approved by the administration and faculty. It is published four times a year, for the purpose of giving information concerning academic affairs of the College. The catalog issue sets forth policies, courses of study, academic requirements, and regulations for the student body.

Canyon Highways is published by the College for the purpose of presenting the activities of alumni, faculty, staff members, and students; improvements and additions to the campus; and other items of interest to schools, libraries, churches, alumni, parents of students, and other friends of the College.

ALUMNI ASSOCIATION

The Alumni Association of Grand Canyon College was organized in the spring of 1953, when the first four-year class graduated. The constitution, adopted in 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 elective offices.

II. Financial Information

Student Expenses

Part-Time Employment and
Work-Study

Student Loans

Scholarships and Tuition Grants

Tribute Fund

FINANCIAL INFORMATION

STUDENT EXPENSES

The regular school year is composed of a fall semester, a January term, and a spring semester. Summer school sessions are composed of two terms of five weeks each. The student signs up for the January term as a part of the fall semester enrollment.

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 Office, before the student's registration is official. It is recommended that application for financial aid be made at least two months in advance of need. The College will honor BankAmerica and Master Charge cards.

Students may not receive grade reports or transcripts until satisfactory arrangements have been made to clear accounts in the business office.

The Board of Trustees reserves the right to change all fees and charges, without notice, if necessary.

TUITION, HOUSING, AND BASIC FEES Academic Year, Including Evening School

Tuition, per semester hour	\$ 54.00
Audit fee, per semester hour (Scholarships do not apply)	54.00
General fee, 9 hours or more, per semester	40.00
General fee (includes parking), less than 9 hours, per semester hour	2.50
Parking fee, 9 hours or more per semester	
September 1 through August 31	15.00
February 1 through August 31	8.00
Room (2 persons to a room)	
Fall semester and January term	322.00
January term only	58.00
Spring semester	264.00
Extra for private room in dorm if available	60.00
For 3 persons to a room a 15% discount is given	
Board	
Fall semester and January term, 5-day meal ticket	392.00
Spring semester, 5-day meal ticket	325.00
Fall semester and January term, 7-day meal ticket	452.00

Spring semester, 7-day meal ticket	366.00
January Term, 5-day meal ticket	67.00
January Term, 7-day meal ticket	86.00

Center For Biblical Studies

Tuition and all fees, per semester hours	\$ 18.00
After 12 semester hours, charge for permanent file	15.00

Center for Business Studies

Tuition and all fees	50.00
After 12 semester hours, charge for permanent file	15.00

Summer School

Tuition, per semester hour (Scholarships do not apply)	54.00
Audit fee, per semester hour (Scholarships do not apply)	54.00
General fee, per 5-week term	5.00
Parking fee, June 1 through August 31	5.00
Room, per term	90.00
Board, 5-day meal ticket, per term	100.00
Room, per week	20.00
Board, \$5 meal ticket	4.50

Special Charges

Application fee (Not refundable)	15.00
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This one-time fee must be paid before the Registrar's Office will set up a file for a student.

Reservation deposit for dormitory room	40.00
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(Refundable when the student moves out of the dormitory permanently.)

Should the student not enroll, this deposit may be refunded if the intention not to enroll is made known to the College by August 1 for the fall semester or by January 1 for the spring semester.

Breakage deposit	10.00
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This deposit applies to all students taking nine hours or more and remains in effect as long as the student plans to continue his studies. It is subject to charge for property loss or damage; breakage or violation of rules in any laboratory, classroom, or the library; for loss of keys; and for other miscellaneous charges. Each semester the student must restore the breakage deposit to the \$10.00 balance if a charge has been made against the deposit dur-

ing the previous semester. Upon completion or termination of the student's course of study, written application may be made for refund.

Miscellaneous fees:

Late entrance examination fee	5.00
Late registration fee	5.00
(This fee will be added to the financial record card when a student registers after the regular registration dates as set by the College.)	
Temporary registration permit fee	5.00
(This fee is charged by the Registrar's Office for not filing all records before registration period begins.)	
Course changes after close of regular registration	3.00
Interest charges on unpaid balance at Business Office, per month	1½%
Late examination fee (for any major exam)	3.00
Special examination, per semester hour or credit equivalent	12.50
Typing proficiency test	10.00
Graduation fee	25.00
Transcript of credits, except the first	1.00
Dormitory dues, per semester	2.00
Post office box rental, per semester	2.00
Registration of second car	2.00
Duplicate meal ticket, activity ticket, etc	2.00
Returned checks, per check	10.00
Student Insurance (Sickness and accident, per semester, approximately	47.00
(See page 27)	
Placement fee (paid during the term of student teaching or upon request for service of the Placement Office; includes 10 brochures)	15.00
Reinstated Placement fee (to update a placement file after 12 months; includes 3 brochures)	10.00
Additional Placement Brochure, each	2.00

Special Class Fees

Independent Study (Includes Reading & Conference courses, Practicums)	\$ 20.00
January Term	15.00

*Student Teaching assignment
 State of Minnesota County \$100.00*

Financial Information

*Education 103 Reading Skills
 113 for Success in College*

Education Department

Elementary Education 326. STUDENT TEACHING IN THE ELEMENTARY GRADES	\$ 30.00
Elementary Education 328. STUDENT TEACHING IN THE ELEMENTARY GRADES	40.00
Education 363. AUDIOVISUAL MATERIALS & METHODS	10.00 15.00
High School Education 328. STUDENT TEACHING IN HIGH SCHOOL	40.00
High School Education 326. STUDENT TEACHING IN HIGH SCHOOL	30.00
Math 114. Field Trip deposit	25.00

Music Department

Music Education 211. BRASS INSTRUMENT CLASS	5.00
Music Education 221. STRING INSTRUMENT CLASS	5.00
Music Education 231. WOODWIND INSTRUMENT CLASS	5.00
Music Education 241. PERCUSSION INSTRUMENT CLASS	5.00
Guitar 111. CLASS GUITAR	25.00
Instrumental Music 131. PRIVATE ORCHESTRAL INSTRUMENT	45.00
Instrumental Music 132. PRIVATE ORCHESTRAL INSTRUMENT	80.00
Organ 111. CLASS ORGAN	25.00
Organ 121. CLASS ORGAN	25.00
Organ 131. PRIVATE ORGAN	45.00
Organ 132. PRIVATE ORGAN	80.00
Piano 101. PREPARATORY PIANO	25.00
Piano 111. CLASS PIANO	25.00
Piano 121. CLASS PIANO	25.00
Piano 131. PRIVATE PIANO	45.00
Piano 132. PRIVATE PIANO	80.00
Voice 121. CLASS VOICE	25.00
Voice 131. PRIVATE VOICE	45.00
Voice 132. PRIVATE VOICE	80.00
Recitals:	
Junior Recital (300)	20.00
Senior Recital (400)	30.00

Physical Education Department

Physical Education 101. SWIMMING	\$ 12.00
Physical Education 201. BOWLING	15.00

Student Insurance

A group plan for accident and sickness insurance for Grand Canyon College students is available and provides for payment of medical and hospital charges according to a schedule which is furnished each student planning to attend the College. All students living in the dormitory must have this or comparable insurance, and commuting students are encouraged to carry such insurance. All international students are required to carry medical and hospitalization insurance. The College cannot issue this insurance later than the last day of registration for credit. (See Academic Calendar, pages 6 and 7.)

Coverage becomes effective at 12:01 a.m. on September 1, or as soon thereafter as application for it is received. For students taking insurance in the fall only, coverage continues through the fall semester. For students taking the insurance for the fall and spring semesters, insurance continues until 12:00 midnight on August 31. Protection is in effect during all interim vacation periods and the student is covered at home, at school, and while traveling, 24 hours a day. Family coverage may be purchased directly from the agent.

All students living in the dormitory will be charged for student insurance on the day they register, unless they provide information as to their own carrier and policy number.

Room and Board

Linens, towels, blankets, and pillows are furnished by the student.

The schedule of charges for regular semesters and terms appears on page 22. For holidays and guests, these provisions are made: Room rent is charged at the rate of \$3.00 per day for students who stay in the dormitories when school is not officially in session (during Christmas holidays and spring recess, between close of spring semester and opening of the first summer term, and between end of the summer term and opening of the fall semester). For one guest, the charge is \$5.00 per night; for two people in the guest room, \$7.50 per night.

A student is charged for his board at the time he registers. The student may purchase a five-day or a seven day meal ticket. There is no refund when a student misses meals from time to time or goes on college sponsored tours. Prices for board are established with the expectation that a student normally misses meals on occasion. The cafeteria is closed during Thanksgiving, Christmas, and spring holidays.

Individual meals may be purchased for cash at moderate cost at the cafeteria or student center by commuting students, members of the College staff, and guests. Five-dollar meal tickets are available for \$4.50.

Refunds

If a student is forced to withdraw from school because of sickness or other unavoidable cause approved by the administration, his expenses are refundable, upon application for refund, according to the schedule below.

Application For Refund

In order to secure a refund, the student must make official withdrawal at the time he is leaving school. Proper forms for withdrawal may be obtained from the Registrar's Office. Refunds are not made until the Registrar's Office gives the Business Office an official notice of withdrawal. Refunds are effective the date the student files his withdrawal forms with the Registrar's Office.

The minimum charge for any day student withdrawing from school is \$10.00 regardless of whether the student has attended classes. Minimum charge for withdrawing from Evening School is \$5.00.

The charge for meals is based on the elapsed portion of the month in which a student withdraws. The day of withdrawal is counted as one full day.

All refunds due a student are forfeited unless called for on or before June 30 of the college year for which such refunds are made. Should June 30 fall on Sunday or on a day when the Business Office is not open, the refund is obtainable on the next business day.

Refund Schedule

FALL AND/OR SPRING SEMESTER AND EVENING SCHOOL REFUNDS

Tuition

Registration without attendance (minimum charge)	\$ 10.00
Attendance of one week or less (minimum charge)	25.00
Attendance between one and two weeks	80 percent of total tuition
Attendance between two and three weeks	60 percent of total tuition
Attendance between three and four weeks	40 percent of total tuition
Attendance between four and five weeks	20 percent of total tuition
After five weeks	No refund

Fees

Fees are not refundable after the first week of classes.

Room

Minimum dormitory rental charge	\$ 50.00
Residence between two and three weeks	60 percent of charge
Residence between three and four weeks	40 percent of charge
Residence between four and five weeks	20 percent of charge
After five weeks	No refund

Board

Based on the elapsed portion of the month in which the student withdraws. The day of withdrawal is charged as one full day.

JANUARY TERM REFUNDS

No refund of tuition and fees, or for room and board for students returning for the spring semester who were in attendance during the fall semester.

For students not returning for spring semester who are in attendance during the fall semester, refunds are based upon the month of withdrawal as follows:

Tuition

September, tuition subject to minimum charge of	\$ 15.00
October	90 percent of total tuition
November	80 percent of total tuition
December	60 percent of total tuition
January, first week only	40 percent of total tuition
January, after first week	No refund

Fees

The January Term Fee is not refundable.

Room

Minimum charge	\$ 40.00
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Board

Based on the elapsed portion of the month in which a student withdraws. The day of withdrawal is charged as one full day.

SUMMER SCHOOL REFUNDS

Fees are not refundable after the first week.

Tuition

Registration without attendance-minimum charge is	\$ 10.00
Attendance 1 - 3 days	75 percent of tuition
Attendance 4 - 5 days	50 percent of tuition
Attendance 6 - 7 days	25 percent of tuition
After 7 days	No refund

Room

Attendance 1-3 class days	75 percent of room rent
Attendance 4 - 5 class days	50 percent of room rent
Attendance 6 - 7 class days	25 percent of room rent
After 7 days	No refund

Board

The charge for meals is based on the elapsed portion of the month in which a student withdraws. The day of withdrawal is charged as one full day.

EMPLOYMENT AND FINANCIAL AID

Making Application for Financial Assistance

Students who need any kind of financial aid should apply at least two months before the assistance will be needed. Those who apply before March 15 for the coming school year will be given preference.

Students who will receive financial assistance must submit the ACT Family Financial Statement. This form may be procured from the financial aid office of Grand Canyon College or from high school counselors.

All correspondence regarding on-campus employment, loans, grants, grants-in-aid, or scholarships should be addressed to Director of Financial Aid.

Part-Time Employment and Work-Study

Every effort is made to assist a student in obtaining part-time employment. Under ordinary circumstances, a student who plans to work should have enough money in advance for the first semester.

Numerous jobs are available for both men and women students. Campus jobs include the following: secretaries, switchboard operators, custodians, cafeteria helpers, laboratory assistants, lawn maintenance workers, building maintenance personnel, library assistants, accompanists for the Music Department, and dormitory assistants. Grand Canyon College is participating in the Work-Study Program.

Persons interested in such employment should communicate with the Director of Financial Aid.

Placement Services

In addition to campus employment, a variety of off-campus jobs are available. The Placement Office offers its services in finding these jobs to any student enrolled in Grand Canyon College. There is no fee for registering for part-time off-campus employment.

The Placement Office maintained by the College also serves graduates or former students who have completed a minimum of 12 hours for credit at the College. Every effort is made to aid students, graduates, and former students in achieving their career goals.

Services of the Placement Office include providing information concerning techniques of searching for jobs, processing applicant and employer requests, posting job vacancies on campus bulletin boards, providing placement brochures for prospective employers, providing information about prospective employers, and making personal contact with the applicant and the prospective employer.

All correspondence should be addressed to the Director of Placement Services. There is a \$15.00 fee for compiling an initial placement file, and a \$10.00 re-statement fee for updating an existing file after 12 months to keep it active.

Student Loans—Long Term

All College loans exceeding \$100 require a cosigner, regardless of whether the student is 18 years of age. National Direct Student Loans and Federally Insured Loans do not require a cosigner if the student is 18 or older.

National Direct Students Loans. An eligible student may borrow up to the current limit as determined by Federal regulations (maximum of \$2500 for first two years), subject to availability of funds. To qualify, a student must meet Federal guidelines. Repayment need not begin until nine months after the student leaves college. Interest, at 3 percent per year, begins at the time the repayment period starts. In certain cases, part or all of the loan principal and interest may be cancelled.

Federally Insured Loans. The Federally Insured Loan program is a program whereby loans are made by lending agencies in certain states, with the loan guaranteed by the Federal government. Students may apply for this loan if they are making satisfactory progress toward graduation or are admitted to college. The student may qualify for up to \$2,500 if the financial aid being received by the student does not exceed school expenses. Repayment begins nine months after the

student ceases to be at least a half-time student and is made to the lending agency which made the loan. The current interest rate of 7 percent begins at the time the repayment period starts.

Ministerial Loan-Grant. Students preparing for the gospel preaching ministry may be eligible for loan-grant assistance from the Arizona Southern Baptist Convention and may apply for such assistance subject to the following conditions:

1. Applicant must be an active member of a church cooperating with the Arizona Southern Baptist Convention.
2. Applicant must show evidence of a spiritual calling to the gospel preaching ministry.
3. Applicant must have a written recommendation from the church of which he is a member.

(Mission volunteers are also encouraged to apply for this type of loan-grant.)

Tuition Plan. Parents or guardians may finance their students' education by making monthly payments to The Tuition Plan, Incorporated. The payment varies according to the number of years the student will require to finish college. Additional information and application forms may be secured from the Director of Financial Aid.

Dougherty Foundation Loans. The Dougherty Foundation has made available a limited number of loans and grants based on need and academic achievement. The applicant will complete the ACT-FSS forms as well as the Foundation's application. The forms are available from the Director of Financial Aid.

Short Term Loans

Numerous loan funds administered by the College are available. A student may be permitted to make a note payable to the College. All College loans exceeding \$100.00 require a cosigner, regardless of whether the student has reached the age of 18.

Adair Loan Fund. This fund, made available by Mr. and Mrs. Oliver Adair, is restricted to *Ofreshman* men or women with grade averages of "C" or above. Interest is 6% per annum after the borrower terminates connection with Grand Canyon College.

Anonymous Loan Fund. An anonymous contributor established a fund for loans to be made to *ministerial* students in need. Interest is 6% per annum from the date of the loan.

AWARE Loan Fund. The applicant must be enrolled in a minimum of 12 hours in day or evening school and regularly attending classes, must establish need for the loan, and must be a member of the campus chapter of Adult Women's Active Return to Education (AWARE).

Lt. Stephen A. Beck Student Loan Fund. This fund, provided by Dr. and Mrs. Roland L. Beck, is available to *senior* students who have maintained at least a "C" average each semester while attending Grand Canyon College. Interest is 3% per annum from the date of the loan.

Orvilla Briscoe Memorial Student Loan Fund. This fund, made available by Mr. and Mrs. B. D. Gladden, is for *junior* or *senior ministerial* students with at least a "C" average in their work. The student may borrow up to \$250.00 per semester. The loan may be repaid starting four months after one ceases to be a full-time student at Grand Canyon College. At this same time interest at 6% per annum begins. After payments begin, the borrower has 36 months to pay off the loan.

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. Interest is 6% per annum from the date of the loan.

J.W. Caperton Foundation Student Loan Fund. This fund was made available by Mr. J.W. Caperton for *ministerial* students. Interest is 4% per annum.

Petter H. Ethington Memorial Student Loan Fund. This fund, provided by members of the Ethington family, is available to *all students*. Interest is 6% per annum from the date of the loan.

First Baptist Church, Ajo, Arizona, Student Loan Fund. This fund is available for students who have completed one year of training at Grand Canyon College and who 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% interest per annum.

Bessie Fleming Student Loan Fund. This fund, provided by Dr. and Mrs. William Fleming, is available to *all students*. Interest is 6% per annum from the date of the loan.

Barbara Sandra Getz Memorial Loan Fund. This fund, provided by Mr. and Mrs. Charles Getz, is available to worthy and needy students who have demonstrated proficiency and seriousness of purpose. Interest is 6% per annum from the date of the loan.

Navajo Loan Fund. Mr. Leo Berndt provided this fund for the education of worthy *Navajo Indians* or other students when it is not needed for Navajo students. Interest is 5% per annum from the date of the loan.

Murray B. Parsons Student Loan Fund. This loan fund was made available through the estate of Murray B. Parsons. The loan is available to worthy and needy students who have demonstrated proficiency and seriousness of purpose. Interest is 6% per annum from the date of the loan.

Student Loan Fund. A small revolving fund made available by members of the faculty for emergency needs is open to any approved student for a maximum of \$25.00. No interest is charged if the loan is paid by maturity.

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 for *prospective students* of Grand Canyon College. Interest is 3% per annum from the date of the loan.

Wiley and Mary Trust Loan Fund. This fund, made available by Mrs. Vernon Miller Burrow in memory of Wiley Newton Kelly and Mary Jane Lancaster Kelly, parents of the donor, is available to any student in need of a loan. There is a \$0.25 service fee for this loan. The amount of the loan cannot exceed \$25.00.

Scholarships, Grants, and Grants-in-Aid

1. Scholarships and grants-in-aid are available for the regular school year, but not for the summer terms, for a maximum of eight semesters.
2. Grade average requirements for all scholarships and grants-in-aid are monitored by the Scholarship Committee.
3. No renewals are automatic. Applications for all scholarships and all kinds of grants, including renewals, must be filed with the Director of Financial Aid by March 15 for the coming academic year (September to May).
4. Students on probation are not granted scholarships or any type of grant from the College except that a freshman admitted from the third quartile may, under certain circumstances, be given special consideration.

SCHOLARSHIPS—ACADEMIC

Academic scholarships for \$600.00 per year are available in limited number 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 200 graduates and in the upper 10 per cent in larger high schools. Students with composite ACT percentile of 95 or higher for college bound students, or top ranking finalists in the National Merit Scholarship program, may also qualify. These scholarships

are renewable for the full four years of college, provided a "B" average is maintained and provided the student's record in other respects is acceptable.

Achievement Scholarships in the amount of \$300.00 per year tuition are available to students who, by the time they have completed at least 24 semester hours of college work, have earned a 3.50 (B+) average. These are subject to renewal and they apply to transfer students as well as to Grand Canyon College students.

DEPARTMENT FELLOWS

Qualified students are selected to serve as teachers' fellows in the various departments, each full-time member of the teaching faculty being entitled to one such fellow. Nominations are made by the chairman of the department in conference with the teaching personnel.

In order to qualify, a student must be at least a junior and be majoring (in some cases, minoring) in the department in which he serves. He must have at least a 3.00 average in the department as well as in all his college work.

This stipend is \$50.00 per semester.

SPECIAL ABILITIES SCHOLARSHIPS

Application for special abilities scholarships are made to the instructor or faculty director of the activity.

Art, Drama, Speech. Special talent scholarships in amounts up to \$300.00 per year are offered to qualified students. Recipients are expected to use their abilities in projects sponsored by the College.

Music. Music scholarships, ranging up to \$600.00, may be awarded each school year. Recipients of such scholarships are expected to participate in musical performances at the direction of the College.

GRANTS-IN-AID

A limited number of basketball, baseball, golf, and tennis grants-in-aid are made up to the amount of full tuition, depending upon availability of funds.

Students who wish to apply for these will see or write to the instructor or faculty director of the activity.

ROTC SCHOLARSHIPS

Four-, three-, and two-year Air Force and Army ROTC scholarships are available to Grand Canyon College students. Each scholarship provides full tuition, laboratory and incidental fees, and full reimbursement for curriculum-required textbooks. In addition students receive a nontaxable \$100 allowance each month

during the school year while on scholarship status. All students not on ROTC scholarship but enrolled in the last two years of ROTC also receive the \$100 allowance. For information contact the Air Force or Army ROTC detachments at Arizona State University.

ENDOWED SCHOLARSHIPS

Ernest I. and Eurice Bass Scholarship Fund. Grand Canyon College receives income from a trust established by Ernest I. and Eurice M. Bass to be used to provide scholarships in the donors' names for such worthy students, preferably those in need of financial assistance, as shall be selected by the trustees of the college.

The Betty Wallace Beamer Memorial Fund was established by Mr. and Mrs. Edward D. Wallace. Earnings from the investments are awarded to a sophomore or upper division student who has demonstrated good scholarship and citizenship and has a concentration in humanities with a major interest in art.

The Henry and Dollie Brice Memorial Scholarship Fund was made available by Mr. and Mrs. Guy Stoker of Snyder, Texas, in memory of Mrs. Stoker's parents. The Scholarship, administered by the Financial Aid Committee, is awarded on the basis of student need and eligibility.

Vera Butler Scholarship. This endowed scholarship fund has been established by gifts honoring Dr. Vera Butler, former professor at Grand Canyon College. Earnings from investments are awarded to women elementary education majors entering their senior year at Grand Canyon College who have demonstrated good scholarship and excellent character and citizenship and who show promise of doing effective teaching in the elementary grades.

The Tom S. Kent Family Scholarship Fund was contributed by descendants and friends of Tom S. Kent, Sr., a Christian businessman of Grapeland, Texas. Income from this permanently endowed scholarship is to be used to provide scholarships for business majors in need of financial assistance.

The McFarland Scholarship has been established by Mr. and Mrs. Ernest W. McFarland. The earnings will be used to benefit needy students, at the discretion of the Scholarship Committee.

Carl S. Nelson Memorial Scholarship Fund was made available by Mr. and Mrs. E. T. Wells of Sun City, Arizona, in memory of their grandson. The earnings will be used for a junior or senior student who meets eligibility requirements of academic achievement and need, who shows future promise of success in his chosen field.

The Lowell B. Parker Scholarship Fund. This scholarship fund was initiated by Mrs. Joyce Parker, honoring her husband on their 25th wedding anniversary. The fund is a permanent endowment scholarship for the benefit of ministerial students. Earnings from the endowment serve as a living gift that continues to multiply in the lives of others for time and eternity.

The C. J. and Thelma B. Smith Ministerial Scholarship was made available by Mr. and Mrs. C. J. Smith, Senior. Earnings from the fund will be utilized to assist deserving ministerial students.

Helen Youngs Memorial Fund. The income from an endowment provided by relatives and friends of Helen Youngs is available to a woman student. The amount is now approximately \$30.00 per semester and is awarded by the Scholarship Committee.

Ilene Phillips Memorial Fund. The income from an endowment provided by the family and friends of Ilene Phillips is available to assist students with their educational expenses.

The James E. Carroll Chair of Evangelism in the Center for Biblical Studies has been endowed with funds given in memory of the late Reverend Mr. Carroll, who was Vice President for Student Affairs at the time of his death, in November, 1971. Future gifts to the Carroll Memorial Fund will be added to this endowment.

GRANTS FROM PRIVATE BUSINESSES AND ORGANIZATIONS

The American Society for Training and Development, Sun Valley Chapter, has provided grants for students in the Training and Development program. Applications for these grants may be obtained at the Financial Aid Office.

First Federal Savings and Loan has made funds available for a business major of good academic standing.

Thunderbird Bank Corporation has made grants available to business majors with good academic standing.

TUITION GRANTS

Basic Educational Opportunity Grant. A grant program financed by the federal government. Special application forms are available from high school counselors or the office of financial aid for the College. The completed form should be mailed to the address indicated thereon.

Supplemental Economical Opportunity Grants. These government grants are available to students from low income families and need not be repaid. Further information may be obtained from the Director of Financial Aid.

President's Grant. The President of the College may recommend grants up to \$300.00 per year to qualified students, based on their need and potential.

Indian Student Tuition Grant. American Indian students who qualify for admission are granted up to \$200.00 per school year.

Opdyke Grant. The Opdyke Fund is designated for the education of mountain people and is awarded to worthy students who qualify. Five such grants in the amount of \$200.00 (\$100.00 each semester) are awarded.

WORK GRANTS

The following work grants are available in publications, intramural sports, and dormitory assistants, for the annual stipends designated:

Canyon Trails (yearbook)

Editor	\$828
Assistant Editor	396
Photographer	549

Canyon Echoes (student newspaper)

Editor	828
Assistant Editor	396
Photographer	603

Intramurals

Director	630
Assistant Director	324

Dormitory Assistants

4 for women's dormitories	586
3 for men's dormitories	586

THE TRIBUTE FUND

The Tribute Fund (formerly the Memorial Endowment Fund) contains numerous memorial funds not large enough to be managed individually. Earnings from these funds are usually applied to the operating budget of the College, except when specific restrictions have been expressed by the donors. Contributions to this fund have been given in honor of or in memory of loved ones or friends.



III. Student Life

Statement of Principles

Conduct

Student Dress

Marriages

Religious Life

Chapel Attendance

Eligibility for Activities

Organizations

Honors and Special Recognitions

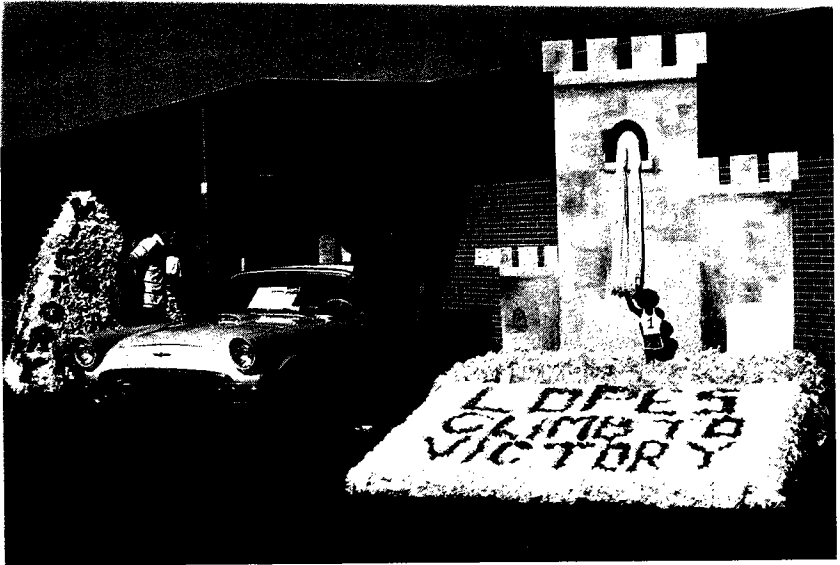
Student Publications

Activities

Physical Education

Student Services

Traditional Events



STUDENT LIFE

A STATEMENT OF PRINCIPLES

The mission of Grand Canyon College is to provide an excellent education in the liberal arts and sciences for qualified students regardless of national origin, race, creed, or religious beliefs. Since Grand Canyon College is a Christian, liberal arts college, it acknowledges a special responsibility in providing students with an opportunity to enjoy balanced and fulfilling experiences in a Christian context.

The faculty, administration, trustees, and students have worked together throughout the history of the College to establish and maintain a harmonious balance in fulfilling the intellectual, spiritual, and social objectives of the College in a viable academic climate. The result has been that students have exhibited a high sense of purpose and an exemplary dedication to serving the needs of mankind.

Students, faculty, and staff members have spent countless man hours in building such facilities as the gymnasium-auditorium, the student center, the intramural and recreational areas, the bookstore and patio, the library, the parking areas, and campus landscaping. This cooperative endeavor has created a wholesome climate on campus and has maintained warmth, closeness, and unity of fellowship which can best be described as a family relationship.

Students and faculty members likewise experience genuine satisfaction as together they seek to discover and confront truth and as they search for solutions to problems involved in the human predicament. The words of the Alma Mater summarize the attitude and spirit of Grand Canyon College:

Hail to thee, Grand Canyon College,
Alma Mater true.
Set amidst the desert's glory.
Highest praise to you.
So to God our hopes aspiring,
This our pledge divine:
Striving, seeking; finding, serving
God and all mankind.

In anticipation of a continuing commitment to the general purpose and specific objectives of Grand Canyon College as stated elsewhere in the catalog and to the spirit of the College which has prevailed since its founding, the student body, the faculty, the administration and staff, and the board of trustees affirm their dedication to fostering those activities which will aid in fulfilling the special

responsibilities and commitments of Grand Canyon College and further pledge themselves to discourage and, if necessary, prohibit activities which might interfere with the fulfillment of the ideas and programs of the College.

CONDUCT

Grand Canyon College attempts to create an atmosphere conducive to the purposes of a liberal arts education in the Christian tradition. All students who enroll in the College are expected to accept the responsibilities of campus citizenship and to show consideration and respect for the personal freedom and property rights of members of the civic community and the academic community. Students are expected to give primary attention to their college work and to all classes, exercises, and engagements which require their attendance. While some students may not have personal convictions in accord with the College's policies, a person's enrollment at Grand Canyon College assumes that he accepts responsibility for honorable adherence to these standards, both on and off campus, while a student at the College.

Any meeting or other activity provided by students in the name of the College or any department or student organization of the College must have the approval of the Vice President for Student Affairs.

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

Extracurricular activities which take students away from classes must first be approved by the Vice President for Academic Affairs.

No property belonging to the College 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 it.

Students are not permitted to have firearms of any nature in their possession on the campus. This applies to non-resident as well as resident students.

Gambling, the drinking of or possession of intoxicating beverages, and the use or possession of any of the narcotic and hallucinogenic drugs are entirely forbidden. Any student who violates these standards, either on or off campus, is subject to dismissal.

Smoking is not permitted on the campus except in one's own living quarters in the dormitory.

Dancing is not permitted on the campus, and college organizations may not sponsor dances.

The use of profanity or vulgarity is forbidden.

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 reprimand, restriction of certain privileges, suspension, or final dismissal.

STUDENT DRESS

Students are to accept individual responsibility for appropriate dress. They must demonstrate a mature attitude in their dress and appearance while attending classes or engaging in other academic and extracurricular pursuits about the campus. The student is expected to maintain the same standards of dress and personal grooming which would ordinarily be maintained by those engaged in other serious pursuits.

Students are expected to wear clothing that adequately covers the person and to wear shoes in all public facilities, including public rooms in college dormitories. A faculty member may determine whether a given mode of dress disrupts the academic process in that professor's classroom. The Student Affairs Office may determine the appropriate dress for Chapel and other academic and extracurricular pursuits. More formal dress, if announced, may be required for special events or occasions.

Obvious violations of these standards, such as failure to wear clothing that adequately covers the person or to wear shoes in public facilities, may subject the student to corrective action.

MARRIAGES

The College stresses a Christian approach to all areas of life, including marriage and family living. In order that a proper foundation for marriage can be laid, the College believes that an adequate period of pre-marital preparation is necessary. A student contemplating marriage during his college career is expected to confer with the Vice President for Student Affairs or the College Counselor.

A student who secretly marries while enrolled in Grand Canyon College may be subject to disciplinary action.

RELIGIOUS LIFE

Emphasis is placed, not only upon the training of the body and the mind, but also upon the development of moral and religious values. In chapel programs, in classroom discussions, and in every relationship where the occasion arises, it is in

accord with the policy of the College that the value of Christian living be upheld. Students are encouraged to join local churches of their own faiths and to participate regularly.

Various organizations provide opportunities for religious service and participation both on the campus and in the community.

A Spiritual Emphasis Week is conducted each semester. Continuous emphasis upon Christian growth is maintained.

CHAPEL ATTENDANCE

Chapel provides an opportunity for the college community to share together in meaningful spiritual, cultural, and intellectual programs. Chapel meets on Monday and Wednesday at 10:40 a.m. All students taking nine or more hours are required to attend chapel. A maximum of six absences from chapel is allowed per semester. For each absence beyond six, a student will be suspended from all classes and extracurricular activities immediately, for a period of three days.

Exception to this policy is made for students enrolled in evening classes only. January Term courses are not included in the 9-hour semester course load.

ELIGIBILITY FOR ACTIVITIES

Any student may participate in extracurricular activities provided by the College except as restricted by regulations established for campus organizations and intercollegiate activities. A student who is on the most recent unsatisfactory grade list, however, must secure from the sponsor of a given activity permission to participate.

Any student entering or reentering provisionally or as a special student is ineligible to hold office in any student organization until his special or provisional status is removed.

ORGANIZATIONS

Custody of Organization Funds

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

Student Government

The membership of the Associated Students of Grand Canyon College includes all students registered for nine or more semester hours for the current semester. The ASGCC elects six officers who form the Executive Council, and each class elects three senators who function as the legislative branch of the ASGCC. General meetings of the ASGCC are held in addition to weekly meetings of the Senate and the Executive Council. The student court, composed of three appointed justices, completes the organizational structure of the ASGCC.

The ASGCC seeks to provide a means of mediation for any problem that may arise from the Associated Students and to be a nucleus for sponsoring and coordinating campus activities. It promotes faculty-student cooperation, works for campus improvements, and promotes interests which contribute to the development of individuals and of the College.

Classes are organized with officers and committees. They promote various projects throughout the school year.

Each residence hall has a council which cooperates with the director of the hall in formulating and implementing policies affecting the residents.

Student Clubs

Because Grand Canyon has a variety of campus organizations, each student is able to find organized activities which are 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

Art Company of GCC promotes interest and enjoyment in the areas of art and art education and is open to all interested students.

Association for Women's Active Return to Education (A.W.A.R.E.) encourages and assists the return of adult women to higher education.

The Forensics Club endeavors to encourage student participation in all types of public speaking at both the intramural and the intercollegiate level.

The Keyboard Club, made up of piano or organ students, is for the purpose of exchanging ideas and studying toward increased keyboard proficiency. Another purpose is to provide inspiration and fellowship among the keyboard students.

Modern Language Club is open to persons interested in the languages and cultural contributions of other language groups.

Music Educators National Conference (Grand Canyon College Chapter) provides opportunity for professional development for college students of music education. Students participate in State, Division, and National meetings and in local activities of the chapter.

Organ Guild (Grand Canyon College Chapter) provides opportunity for students of organ to learn of the aims and purposes of the American Guild of Organists. It becomes a laboratory for youth to be better prepared to assist in advancing the cause of worthy religious music. All who study organ are eligible for membership.

Phi Beta Lambda seeks to inform the business student of the methods, opportunities, and the challenges of business.

Physical Education Majors Club fosters progress in health education, physical education and recreation education. It seeks to advance the standards of the profession by cooperating with the State and National Education Association and participating in affairs of the American Association for Health, Physical Education, and Recreation. Membership is open to all physical education majors and to elementary education majors with physical education as a first minor.

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

Science Club, for majors and minors in science or mathematics, is open to any interested student. The club provides science-oriented projects, field trips, and arranges for speakers on scientific topics and information on job opportunities in science and related fields.

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

Telescope Club promotes interest in astronomy, promotes and directs the grinding of telescope for the construction of amateur telescopes.

Women's Recreation Association seeks to provide a varied program of physical and social activities for all women students.

Service and Honor Organizations

Alpha Chi is an honorary scholarship and service fraternity for men and women, designed to promote excellence in academic, campus, and civic affairs. Juniors and Seniors in the top 10% of their classes may qualify for membership on the basis of their academic records, character, and participation in College affairs.

Alpha Kappa Epsilon functions as a premedical society. Its purpose is to encourage excellence in premedical scholarship, to stimulate an appreciation of the importance of pre-medical education in the study of medicine, and to promote cooperation and contacts between medical education and pre-medical students. Membership is open to students engaged in courses leading to studies in medicine and related fields.

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

Iota Phi is a scholastic and service honorary society for freshman women.

Sigma Sigma Phi is an honor society which recognizes women members of the senior class for outstanding scholarship, service, and leadership.

Religious Organizations

Christian Service Council is a coordinating council whose primary function is to plan and coordinate religious activities for the students. Ten organizations reflect two areas of involvement. The first group is for students interested in church-related vocations:

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

Mission Service Association is composed of students preparing for service either as a home or foreign missionary.

Church Staff Association seeks to help students interested in a church-related vocation other than the pastorate.

Wives of Christian Workers is for wives of students preparing for church-related vocations. The organization proposes to encourage the members to study the Bible, to establish Christian homes, and to prepare for better service in companionship with their husbands.

The action-oriented group seeks to involve all students in Christian service and ministries on campus and in the community:

Institutional Ministries Group is involved in planning, coordinating, and conducting worship services in goodwill centers, homes for senior citizens, hospitals, and jails.

Social Christian Group assists the Baptist centers of Phoenix in staffing and conducting the various programs of the centers.

New Work Ministries Group is involved in establishing and guiding Bible study and missions in unchurched areas.

Evangelistic Ministries Group participates in assisting churches in evangelistic efforts.

On-Campus Spiritual Ministries Group plans, coordinates, and conducts spiritual activities for students of Grand Canyon College.

Fellowship of Christian Athletes confronts athletes with the challenge and adventures of following Christ and serving Him while in college.

HONORS AND SPECIAL RECOGNITION

Honors Day

Each year a day is designated for a special assembly and other appropriate activities to recognize the achievements of students who have won distinction in academic pursuits or in student leadership. Ordinarily included in the recognitions are students in one or more of the following categories: Ray-Maben Scholars, students on the Honor Roll and Dean's List, department fellows, junior class marshals, and students named for the current year in *Who's Who in American Colleges and Universities*.

On appropriate occasions recipients of regional or national awards for excellence in academic, forensic, literary, or cultural affairs are recognized.

Ray-Maben Scholars

This recognition represents the highest scholarship honor awarded by Grand Canyon College. Graduating seniors must have a cumulative grade point average of 3.80 to be eligible.

Junior Marshals

Special recognition given to the two juniors with the highest academic ranking at end of the fall semester of their junior year. Restricted to those who have transferred in no more than 12 semester hours.

Graduation with Honors

The requirements for graduation with honors are stated on page 69.

Honor Roll and Dean's List

At the close of each semester, the freshman and sophomore Honor Rolls and the Dean's List are published. Students carrying 12 or more semester hours are considered for these honors.

Freshman students whose grade point average is 3.00 or above qualify for the Freshman Honor Roll.

Sophomore students whose grade point average is 3.25 or above qualify for the Sophomore Honor Roll.

Students whose grade point average is 3.50 or above qualify for the Dean's List.

Special audit privileges for honor students are described on page 75.

Who's Who Among Students in American Universities and Colleges

This honor recognizes each year a select group of students with outstanding records of campus activities, citizenship, and promise of future success and usefulness in society.

The Pierian Award

The Pierian Club awards, 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 and a one-year subscription to the *Wall Street Journal*.

STUDENT PUBLICATIONS

The Antelope, the student handbook published by the Student Council, makes available detailed information concerning rules and procedures for approved student activities.

Canyon Echoes, the weekly campus publication, reflects the ideals, achievements, activities, and problems of student life. It offers a vehicle for student dialogue and training in citizenship.

Canyon Trails is the College yearbook, published annually by a student staff. Each student carrying nine hours or more both semesters of the academic year is entitled to a copy without additional cost.

Shadows is a literary journal containing short stories, verse, essays, and critiques contributed by the students of the College.

ACTIVITIES

Educational Tours

A three-day educational tour, which students may take at moderate cost, is arranged for each fall semester and each January term.

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, Snow Bowl on San Francisco Peaks, and the Grand Canyon.

The January 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, Chiracahua Mountains, open pit mines at Bisbee, Sonora Desert museum, and Nogales.

Intramural Athletics

During the regular academic year, a program of intramural sports is provided, including such activities as volleyball, tennis, badminton, basketball, flag football, softball, ping pong, etc.

Drama, Radio, and Speech Activities

Opportunities for dramatic, radio, and speech participation are available in plays, operas, and intercollegiate forensics and debate.

Musical Programs

The Oratorio Society is open to all students without audition. It presents public performances of major choral works.

The Choralaires are selected after audition and constitute the choir which travels widely presenting choral music in concert form.

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

The Wind Ensemble, Orchestra, and Stage Band present concerts and provide musical entertainment for the campus at various times and add spirit to such events as rallies, home ball games, etc.

PHYSICAL EDUCATION

A physical education program is correlated with the health program of the College. Four semester hours of credit in physical education activity are required for graduation.

The physical education activity courses should be taken during the freshman and sophomore years. Transfer students and others who have postponed such training must take it before graduation.

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 participating in games or by watching the games of others.

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

1. Only students of this institution carrying 12 or more semester hours of work shall be allowed to participate in its intercollegiate or interscholastic contests. (See page 44 for eligibility rule.)
2. A member of the faculty shall accompany all teams when they are away from the College.
3. All funds shall be deposited in the College Business Office and all checks shall be issued by the Business Office. The President shall approve all contracts or orders involving money.

STUDENT SERVICES

Housing

Unmarried students who are not at least 20 years of age, who carry 12 hours or more, are required to live in the dormitory. Exceptions are made for those students who live with their parents, guardians, or close relatives.

The dormitories offer attractive and comfortable housing and are supervised by hall directors. Each hall is governed by a dormitory director and a council representing the hall. A student is expected to be quiet and orderly in the dormitory and thoughtful of the rights of others.

Room assignments are made in the order of the date of application and payment of reservation fee. Students are normally housed two to a room. Occasionally it is necessary to assign three students to a room in order to meet housing demands. The interests of the dormitory as a home, and sometimes the interests of the individual student, may demand that a student change place of residence.

The dormitories are normally closed during the Christmas holidays and spring recess. Under certain circumstances, students may be permitted to stay in the dormitories when school is not in session. (See page 26 for the cost.)

All students residing in college housing must take meals in the college cafeteria except during a recess when the cafeteria is closed.

The women's dormitory is closed at 12:00 midnight during school nights and at 2:00 a.m. on weekends. The College does not require men students to be in the dormitory by a particular hour but suggests that the same hours be observed.

The administration reserves the right to make such regulations as may seem advisable in regard to its responsibility for students who live off the campus and away from their parents.

The minimum course load for a dormitory resident is stated on page 69.

Food Service

The College cafeteria provides well-balanced meals. All residents of the dormitories are required to eat their meals in the cafeteria. Other persons may buy meals on an individual basis. The cafeteria is closed during the Thanksgiving, Christmas, and spring holidays.

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

Health Service and Health Records

The College retains the services of a physician on a part-time basis. He is assisted by a graduate nurse employed by the College, who also maintains files on student health certificates and records.

All students entering the College must have the Grand Canyon College Health Certificate completed by a medical doctor and returned to the Registrar's Office, before registration.

Any student may be required to receive medical examination at such times and in such manner as the College may deem necessary.

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 at liberty to do so. Every student is personally responsible for all his medical costs except for consultation during the regular campus hours of the College Physician.

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.

A student with acute contagious illness is not permitted to remain on the campus. Other accommodations must be provided at the student's expense.

A person who has been required to withdraw from school for medical reasons is required to furnish a satisfactory health certificate before being permitted to enter or re-enter.

Any student who withdraws from the College for a period of one year or longer must have a statement from his medical doctor regarding his health if his health record is still on file in the Health Center at Grand Canyon College. If the record is not on file, a new one must be submitted.

A student whose study at Grand Canyon College is interrupted for a period of less than one year is not required to supply additional health data.

Medical and hospitalization insurance is available at a cost of approximately \$50.00 per semester. All students living in the dormitories must have hospitalization insurance, and commuting students are encouraged to have it. (See page 26.) All international students are required to carry medical and hospitalization insurance.

COUNSELING CENTER

The Counseling Center seeks to provide Christian guidance to meet the needs of individuals. Personal, family, and group counseling services are available for students, faculty, staff members, and their families. Psychological and vocational inventories are available upon request.

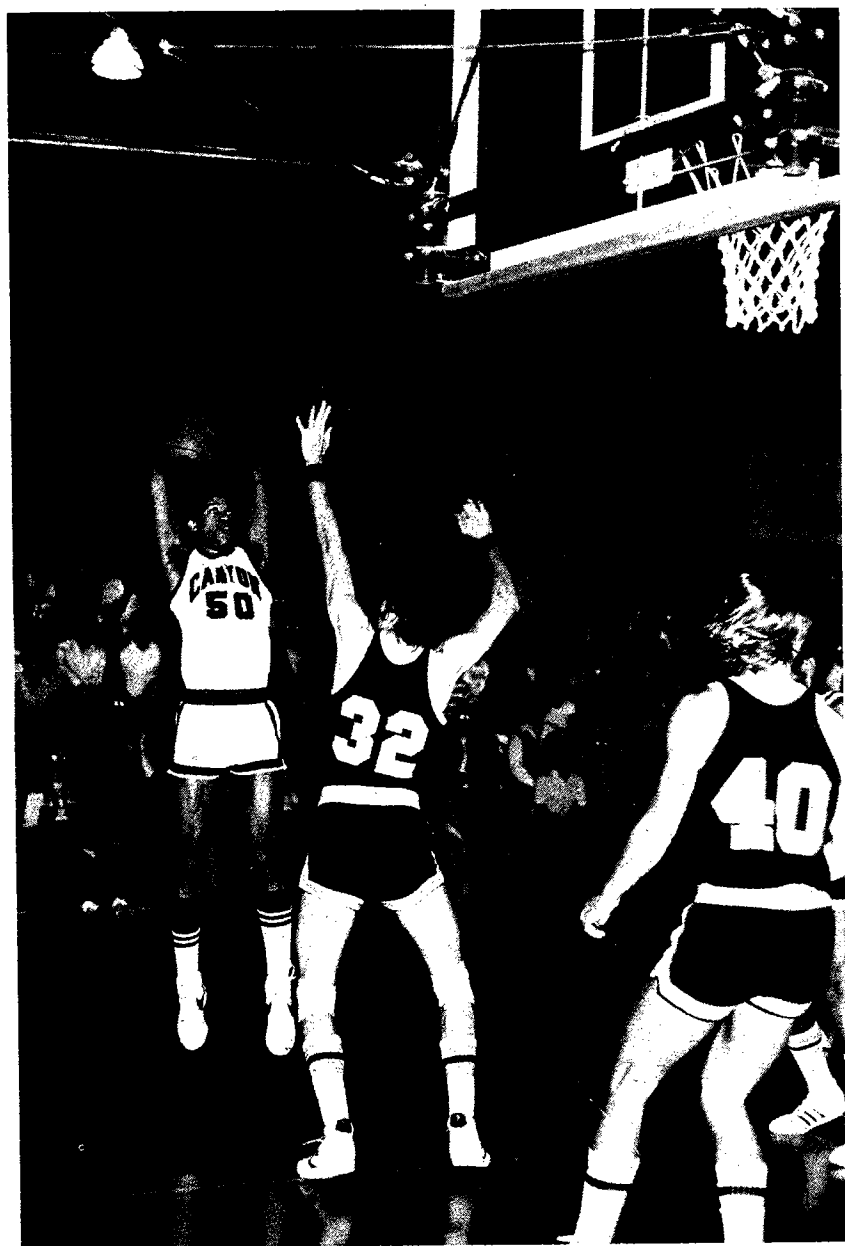
PLACEMENT SERVICE

The College maintains a placement office which assists students in securing off-campus employment while in school and positions in the business and professional community after graduation. See p. 30 for further information about the service and fees.

TRADITIONAL EVENTS

All-School Welcome Party
Reception For New Students and Faculty
Work Day
Parents' Weekend
State B.S.U. Convention
Harvest Festival
Founders Day
Tour to Grand Canyon
Spiritual Emphasis Week
Thanksgiving Breakfast
Friends of the Library Book Reviews
Dramatic Presentations
Hanging of the Green
Antelope Stampede
Needy Children's Christmas Party
Christmas Party for International Students
Choralaires' Christmas Concert
Oratorio Society Performance
Homecoming
Spring Banquet
Honors Day
Music Recitals
Southern Arizona Tour
Spring Thing
Baptist Youth Day
Choralaires' Tour
Choralaires' Spring Concert
State B.S.U. Spring Retreat
Varsity Dinner
Junior-Senior Banquet
Senior Class Day
Backpack to Havasu Canyon





IV. Admission Policies and Procedures

General Requirements for Admission

Academic Eligibility for Admission

High School Units Required

Early Admission to College

Advanced Placement

Requirements Preliminary to Admission

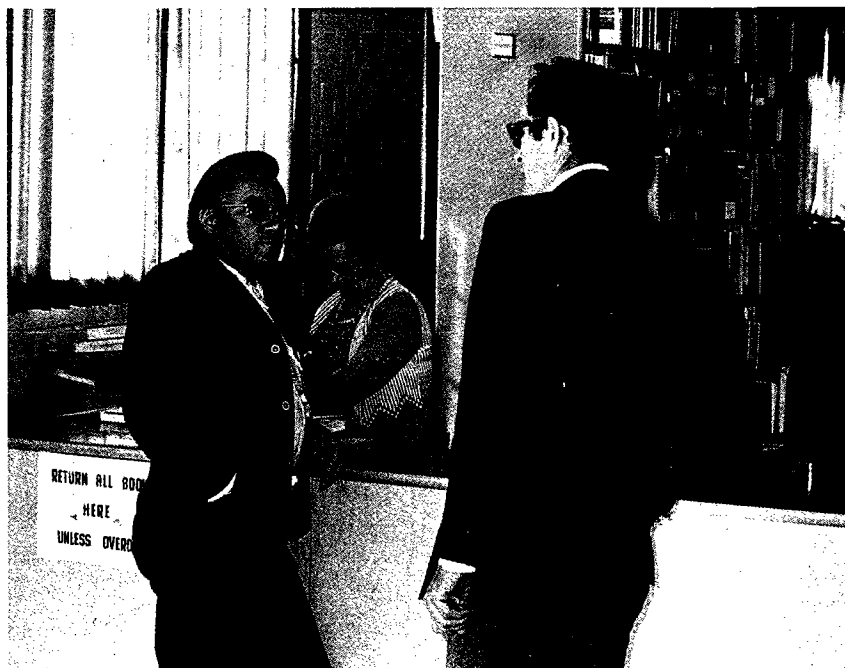
Entrance Examinations

Readmission

Transfer Students

Direct Transfer Plan

International Students



ACADEMIC HONORS

Graduation with Honors

Students who have attended Grand Canyon College for at least two semesters in each of which they carried 12 hours or more and who have 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 may qualify for graduation *with distinction*;

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

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

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

Other Honors

Other honors related to academic achievement are described on pages 48 and 49.

COURSE LOAD

Students living on campus are expected to carry not fewer than 12 semester hours of work, except upon the advice of the College Physician or by special consent of the Vice President for Academic Affairs.

Freshmen normally are not permitted to register for more than 16 hours, including the three semester hour January term, during their first semester. In the case of exceptional students, or in the case of a particular program of courses whose total is 17 hours with no feasible alternative, the maximum may be raised to 17 hours for a first semester freshman.

Students may not register for more than 17 hours except upon recommendation of their adviser and permission of the Vice President for Academic Affairs. The recommended maximum number of hours for any student is 18.

The maximum course load normally to be allowed during a summer term is six semester hours. If one course is a four hour course, or if one hour of Physical Education or Applied Music is taken, the student may be permitted to take seven hours.

Carrying a normal course load in 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. Students who have employment other than school work should not take more than 15 hours of college work.
2. Students working 20 hours or more per week who do not show satisfactory progress at the end of the first grade period may be required to reduce their work schedule or their course load.

MAXIMUM NUMBER OF HOURS IN A SUBJECT

Regular students are not allowed to take more than 42 semester hours for credit in any one subject area without special permission from the Vice President for Academic Affairs.

UPPER DIVISION REQUIREMENT

For graduation, a student must earn a minimum of 45 semester hours of credit in upper division courses (300 or 400 level). In exceptional cases, students may petition the Academic Affairs Committee for special consideration.

CHANGE OF COURSES

After one has completed his registration a student is not permitted to make a change in course schedule without the written consent of the professor or professors concerned and the Registrar or Vice President for Academic Affairs. The Business Office must also be informed of the change. Tuition may be refunded when changes are made upon the recommendation of the Vice President for Academic Affairs. (See the schedule of refunds beginning on page 27.)

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

DROPPING OF COURSES

A student is not permitted to drop a course after the last day for dropping (academic calendar, page 6 and 7) without receiving a grade of "F", except for very unusual reasons which are evaluated by the Vice President for Academic Affairs.

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

Instructions and forms for the dropping of a course are obtainable at the Registrar's Office.

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 the College at any time during a semester receives a grade of W. An unofficial withdrawal results automatically in grades of "F".

AUDITING OF COURSES

Under certain conditions a student may wish to audit a course rather than take it for credit in a degree program. Tuition and fees are the same as if the course were taken for credit. Normally, the student will merely sit in the class, take no examinations, and receive no grade.

Students may change from credit to audit in any course through the last day in the semester when a course may be dropped without penalty, by going through the Registrar's Office to complete the official procedure.

Students may take a course for credit which they have previously taken as an audit course.

A student may not change from audit to credit after the last day for registration for credit as listed in the academic calendar of the current college catalog.

GRADE REQUIREMENTS

For graduation students must present a minimum of 128 semester hours of credit and at least two quality points for each hour attempted at Grand Canyon College (a grade index of 2.00). When more than 128 hours are presented, the number of quality points must total at least twice the number of hours attempted at Grand Canyon College. At least 45 hours must be upper division credit.

The regulation concerning grades on college work taken elsewhere is given on page 65.

Students must also have a "C" average (2.00) in their majors and, except for courses taken as part of General Studies, may not count toward their major any course with a grade below "C".

Candidates for a secondary teaching certificate must have a "C+" average (2.50) in their teaching majors.

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

REPEATING OF COURSES

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

A student may be permitted to repeat a course in order to remedy an earlier grade of "D" only upon recommendation of the department concerned and approval of the Vice President for Academic Affairs. The last grade earned is considered the grade of record as it pertains to credit toward graduation.

ACADEMIC SUSPENSION

A student who has earned 30 semester hours in Grand Canyon College with a grade index of less than 1.50 at the end of the academic year is automatically suspended for one semester.

Students who do not have a grade index of 1.75 by the time they earn 60 semester hours of credit are automatically suspended for one semester.

Students who do not make satisfactory academic progress may continue at Grand Canyon College only with permission of the Academic Affairs Committee. Normally, academic progress is considered unsatisfactory unless students have a cumulative grade index of at least 2.00 by the time they earn 90 semester hours of credit.

A student who has been suspended may make written application for reinstatement after the period of suspension has expired. A student subject to academic suspension for the second time is normally given final dismissal.

A student reinstated after an academic suspension is admitted provisionally. See Provisional Status, below.

ACADEMIC PROBATION

Students who are admitted from the third quartile of their high school graduating classes and who do not have a composite ACT standard score of 20 or above are admitted on academic probation.

Students whose cumulative average on work attempted in Grand Canyon College drops below "C" are placed on academic probation.

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

A student on academic or disciplinary probation is not eligible for any grant or scholarship administered by the College, nor for an office in any student organization.

A student on probation is not classified as a senior scheduled for graduation. (See page 80.)

PROVISIONAL STATUS

Transfer students admitted with less than a "C" average, or those reinstated after academic suspension, are admitted provisionally. Persons thus admitted retain provisional status until they have earned a total of at least 12 hours in Grand Canyon College and have earned a cumulative grade point average of 2.00. If they do not have an average of 2.00 by the time they earn 12 hours, they are subject to dismissal.

A student who has provisional status is subject to all the restrictions named for probationary status. (See Academic Probation.)

A student with provisional status may be given final dismissal at any time if this appears to be in the best interest of the student and/or the College.

ELIGIBILITY FOR ACTIVITIES

Any student may participate in extracurricular activities provided by the College except as restricted by regulations established for campus organizations and intercollegiate activities. A student who is on the most recent unsatisfactory grade list or on probation, however, must secure from the sponsor of a given activity permission to participate.

Any student with probationary or provisional status is ineligible to hold office in any student organization until the deficiency is overcome.

CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The instructor announces at the first session of each course and also states in the course syllabus what the attendance requirements are and is the judge of whether the student has met the stated attendance requirements at the end of the course.

2. 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 Vice President for Academic Affairs.

3. To secure permission to make up work missed by absence, students must account to their instructors immediately after their return to class in the manner prescribed by their instructor.

4. Regular and punctual attendance may be considered in assigning grades.

5. Class attendance records are effective as of the first day of class meetings in each semester. Students who register late are counted absent.

PERMISSION TO TAKE EXAMINATIONS LATE

Under certain conditions students may be permitted to take a major examination which they missed. In all such cases students must account to the instructor for their absences and must present a receipt from the Business Office showing payment of the necessary fee. (See page 24.)

CORRESPONDENCE AND EXTENSION CREDIT

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. Students planning eventual transfer of these courses should secure approval from the Chairman of the Department of Religion and the Vice President for Academic Affairs before they enroll in seminary extension courses.

Credit for any correspondence work and for any extension work transferred from another institution must be recorded 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 prior written approval of the College.

SPECIAL COURSES BY INDEPENDENT STUDY

Certain course numbers have been reserved for courses to be taken by independent study which instructional departments of the College wish to approve. These fall into three categories:

1. **Independent Study.** Department numbers 491, 2, 3, 4. Research, seminar, or readings and conference on a special topic to be selected by the student and faculty adviser. May be taken for one, two, three, or four hours, depending upon the amount of time and work involved. May be repeated for up to four hours total credit. For upper division students with a grade point average of 3.00, with approval of the department chairman, instructor, and Vice President for Academic Affairs.

2. **Practicum.** Numbered 391, 2, 3, or 4 in each department, for one, two, three, or four hours of credit, the practicum is a supervised practical experience in the student's major area of interest. The experience must be arranged with an agency, organization, or individual which must agree to provide an adviser to work with the faculty adviser in designing and evaluating the student's experience. This

course is for upper division students and may be taken any semester with approval of faculty adviser, department chairman, and Vice President for Academic Affairs.

3. **Reading and Conference.** Any course listed in the catalog may be taken by reading and conference with the instructor, with approval of the department chairman and the Vice President for Academic Affairs. The student must have a legitimate reason for seeking course credit through reading and conference. Normally students will not be permitted to receive credit for more than two courses by this method.

AUDIT PRIVILEGES FOR HONOR STUDENTS

A student who qualifies for the Dean's List during any semester may audit one course without charge. This audit privilege covers the regular audit fee for any course, regardless of the number of semester hours. It does not cover special charges.

HONORS STUDY PROGRAM

The Honors Program is designed to provide a unique educational challenge for a select number of students who have demonstrated unusual scholarship and aptitude for learning. It seeks to provide them with opportunities for advanced study within their own discipline as well as exchanges with faculty and students outside their own field.

This is accomplished through an Honors Colloquium led by faculty and outside speakers, attendance at local symphonies, plays, exhibits, or lectures, and an Honors Field Project in which the students are involved in original research in their own disciplines.

Students are admitted to the Honors Study Program by invitation of the Honors Program Committee. Interested students should see the chairman of this committee.





VI. Graduation Requirements

Degrees Offered

Choice of Catalog

General Requirements for Graduation

Curricular Requirements for Graduation

Specific Academic Programs in Relation
to Degrees



GRADUATION REQUIREMENTS

DEGREES OFFERED

The College offers curricula leading to the degrees of Bachelor of Arts, Bachelor of Science, or Bachelor of General Studies.

The Bachelor of Arts degree is granted to majors in Art, Art Education, Bible, English, Theatre-Speech, History, Music, Religion, Social Studies, and Behavioral Science.

The Bachelor of Science degree is awarded to majors in Behavioral Science, Biology, Business, Chemistry, Elementary Education, Environmental Science, Health Services Supervision, Mathematics, Music Education, Physical Education, and Training and Development.

The Bachelor of General Studies is granted to those who complete a program designed primarily for adults who are interested in a program of broad spectrum for personal enrichment or in obtaining a degree acceptable for special fields of endeavor which do not require specific traditional degrees.

Liberal Arts majors not listed in the catalog may be arranged under the direction of the department concerned with the approval of the Vice President for Academic Affairs.

SECOND DEGREE

A student who has earned a degree from any accredited college may be granted an additional baccalaureate degree from Grand Canyon College upon completion of the following:

1. General requirements for this degree;
2. A major in a field not used as a major for the earlier degree;
3. A total of 30 hours in residence (36 for those who have not met the 6-hour requirement in Bible).

CHOICE OF CATALOG

A candidate for a degree may elect to meet the requirements for graduation as outlined in the catalog in effect at the time of his original matriculation, or those of any subsequent catalog.

GENERAL REQUIREMENTS FOR GRADUATION

Number of Hours and Grade Index. The total number of semester hours required for graduation is 128 with a minimum grade index of 2.00, indicating an average of "C", on all work taken at Grand Canyon College. At least 45 hours must be upper division credit.

Students are not permitted to graduate at the end of a semester or term which they began with a grade index of less than 2.00.

Grade in Major. Students must also have a "C" average (2.00) in their majors and, except for courses taken as part of General Studies, are not permitted to count toward their majors any course with a grade below "C".

English Usage. The College feels that a college graduate should be able to write clear and correct expository prose. Students who expect to graduate from Grand Canyon College are required to pass a writing competency examination. The examination is given as part of the freshman English courses; students who take freshman English elsewhere are required to take the examination during the first semester of their junior year.

Examinees write short essays based on questions provided by their major departments. Members of the English faculty read the essays, then pass them with their recommendations to the department chairmen. The various department faculties make the final decision as to the student's competency in writing.

Students whose writing is judged to be less than competent will be referred to the English Department for assistance.

The examination is given twice each semester. Notices of the examination dates appear in the chapel bulletins.

Minimum Residence. Normally eight semesters of residence or the equivalent in an approved college are 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.

Students are required to take in residence at Grand Canyon College at least six upper division semester hours in their major subject and three upper division semester hours in their minors.

Graduation with Honors. The requirements for graduation with honors are stated on page 69.

Correspondence and Extension Credit. Record of all correspondence and extension work transferred from another institution must be filed with the Vice President for Academic Affairs and Registrar prior to enrollment in the final semester before graduation. (See page 74 for additional information concerning correspondence and extension credit.)

Minimum Amount of Language Allowed. No credit toward graduation is given for less than a year of language taken in college unless the student has taken at least two high school units in the same language.

Application for Graduation. At the beginning of their junior year candidates for graduation must file an application for candidacy for a degree. Students are not permitted to register as seniors until they have 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.

Degree Plan. Each student is also required to file a Degree Plan along with the Application for Graduation. The student will secure the form in the Registrar's Office and enter on it all the courses needed for graduation, showing when each course will be taken.

Attendance at Commencement Exercises. A candidate for graduation is expected to attend public commencement exercises. In extreme hardship cases a student may be excused, but only when a written request is approved by the faculty.

CURRICULAR REQUIREMENTS FOR GRADUATION

The completion of the required 128 semester hours usually requires four years of 32 semester hours each, including activity courses in Physical Education. The freshman and sophomore years are spent in general or introductory courses in diversified liberal arts areas. During the remaining two years, the student may concentrate in the field of major interest. The work for the entire four year program consists of (1) General Studies, (2) Major and Minor Subjects, (3) Elective Courses.

General Studies

The General Studies portion of the curriculum at Grand Canyon College is designed to unify the student's early college experience by forming a comprehensive and correlated foundation for a more meaningful life and for future academic pursuits. It seeks to help students to develop an understanding and appreciation of the

various areas of knowledge and creative endeavor which have contributed to the development of contemporary society and thus to enable them to achieve greater social stability and a more secure personal life.

General Studies seek to provide, during the first college years, the kinds of learning experiences which will enable all students to choose wisely and build carefully the specialized program of studies most appropriate for them. General Studies are 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 Studies at Grand Canyon College seek 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.

Students in teacher education programs will follow the list appearing on page 108 under Department of Education and Psychology.

For other students seeking the B.A. and B.S. degrees the following courses comprise the minimum requirement in General Studies:

- I. Spiritual Foundations of Life (6 hours)
 - Bible 113, Bible 123 6 hours
- II. Social Foundations of Life (6 hours)
 - History (History 113, 123; or History 123, 233; or
History 213, 223) 6 hours
- III. Scientific Foundations of Life (6-8 hours)
 - Mathematics (Math 114) 3 or 4 hours
 - Laboratory Science 3 or 4 hours
- IV. Communicative Arts (6 hours)
 - English 113 and English 123 6 hours
- V. Humanities (2 hours)
 - Art or Music Appreciation 2 hours
- VI. Physical Well-being (4 hours)
 - Activity Physical Education 4 hours
- VII. Involvement in contemporary affairs. An interdisciplinary approach with emphasis on active participation and individual research in both on and off campus experiences. One January interterm is required for each 24 hours completed in residence.

ADMISSION POLICIES AND PROCEDURES

GENERAL REQUIREMENTS FOR ADMISSION

The College is coeducational, interracial, and open to qualified students regardless of religious beliefs.

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 an acceptable transcript. An applicant is not permitted to disregard his record of any previous enrollment in any other institution of higher education. Failure to comply may result in dismissal or loss of credit.

ACADEMIC ELIGIBILITY FOR ADMISSION

A graduate of an accredited high school who ranked in the upper half of his graduating class, or who has a composite ACT standard score of 20 or above, and who satisfies other requirements may be admitted to the College as a regular student without condition.

Other students who ranked in the third quartile may apply for admission on probation.

Some other applicants are accepted as special students and are given assistance to help them develop the skills necessary for effective college work. After they demonstrate ability to do acceptable college work, they may apply for classification as regular students and count the credit already earned toward meeting graduation requirements.

A veteran who is not a high school graduate and who gives evidence of maturity and ability to do college work may be accepted as a special student on the basis of the G.E.D., and other admissions tests. Other applicants over 19 years of age may also be accepted in this manner.

Any student admitted under special conditions may be required to modify his program of studies to include special courses.

HIGH SCHOOL UNITS NEEDED

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

<i>Subjects</i>	<i>Units</i>
English	4
Mathematics (one unit of algebra)	2
Social Studies (one in American history)	2
Science (one laboratory course)	2
Others	6

EARLY ADMISSION TO COLLEGE

A high school student with an exceptional academic record may attend Grand Canyon College during the summer session preceding his senior year, upon recommendation of his high school counselor. Credit earned during this summer session may then be validated if the student enrolls at Grand Canyon College for the summer or fall term following graduation from high school, provided the summer courses are not counted toward fulfilling high school requirements.

ADVANCED PLACEMENT

Recent high school graduates. High school students who score 4 or 5 on the advanced placement tests of the Educational Testing Service are given credit for appropriate college courses. Students who score 3 may be given advanced placement and/or credit, subject to the approval of the department and of the Vice President for Academic Affairs. Students who score 1 or 2 on the advanced placement tests are considered individually by the departments concerned and the Vice President for Academic Affairs.

500 College Level Examination Program (CLEP). Grand Canyon College accepts for college credit both the General and Subject Matter Examinations of the College Level Examination Program, provided satisfactory scores are attained. CLEP credit will be given only when it does not duplicate credit previously earned, or is more elementary than a course in which the student has earned college credit. Credit will be given only for those examinations completed after July 1965.

Scores of 500 or better on the General Examination will entitle the student, upon registration at the College, to six hours of credit in each of the five General Examinations: (1) English Composition, (2) Humanities, (3) Mathematics, (4) Natural Sciences, (5) Social Sciences-History.

Three to eight hours of credit, depending upon the examination used, may be earned by scores of 50 or better on Subject Matter Examinations as they become available.

Those interested should secure further information from the Vice President for Academic Affairs.

REQUIREMENTS PRELIMINARY TO ADMISSION

Applications for admission for the fall semester should be in the hands of the College prior to August 1. For the spring semester, the application should be in hand prior to January 1, and for the summer, prior to May 1.

Persons desiring admission to Grand Canyon College may secure sets of admission application forms, including detailed instructions, from the office of the Registrar and follow the procedure indicated. Before notice regarding acceptance can be issued, the applicant must do the following:

1. Submit to the Registrar an application form together with an application fee of \$15.
2. Take the American College Test at the earliest possible examination date and have scores reported to Grand Canyon College. The Grand Canyon College ACT code number is 0092. Scores from the American Testing program are required. The tests are given five times each year, in February, April, July, October, and December. Applicants should take the examination at the close of their junior year in high school or at an early test date after completion of the junior year.

Detailed information regarding the ACT program may be secured from the applicant's high school principal or counselor or from the Registrar's office at Grand Canyon College. Residents of states other than Arizona may submit college admission test scores which are approved for college admission in their home states.

3. Have a high school transcript sent to the Registrar's office at Grand Canyon College.
4. When the above credentials are on file, the applicant will be notified that he has been granted or denied tentative admission. If admitted, the applicant should submit a dormitory room reservation fee of \$40 if he is to live in a dormitory. (See statement on page 51.) If the applicant withdraws his application by August 1, the dormitory reservation fee may be refunded. In no case is the application fee refunded.

5. A final high school transcript must be submitted after the student's graduation. This transcript must state the date of graduation and the student's final numerical rank in class.
6. A health record and report, including X-ray data, must be submitted.
7. Final dormitory room assignments will not be made until all credentials, including health record, chest X-ray, personal recommendations, and photographs, are on file.

ENTRANCE EXAMINATIONS

All beginning freshmen are required to have American College Test (ACT) scores on file with the College prior to their acceptance as students. See paragraph 2 above.

Prospective students should consult the academic calendar (pages 6 and 7) for the dates of placement tests and other special examinations administered by Grand Canyon College.

International students are referred to page 64.

READMISSION

A student who has not maintained continuous attendance (except for summer terms) in Grand Canyon College is required to apply for readmission on a form provided by the Registrar's office. Transcripts of all additional work attempted in other institutions must be filed before readmission can be approved. (See page 79 for statement pertaining to choice of catalog.)

A student who has been out of Grand Canyon College for a period of one year or longer must submit a written statement from his medical doctor regarding his health if his health record is still on file in the Health Center at Grand Canyon College. If the record is not on file, a new one must be submitted.

A student whose study at Grand Canyon College is interrupted for a period of less than one year is not required to supply additional health data.

TRANSFER STUDENTS

A student transferring from another college must file all forms required under Requirements Preliminary to Admission (see page 61), with the exception of his high school transcript. If he has satisfactorily completed 12 hours in college, he need not file his ACT scores.

Before enrolling, students transferring from another college must have on file in the Registrar's office a transcript of all work attempted at the institutions previously attended. Applicants are never permitted to disregard their 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 students to request that their transcripts be mailed to the Registrar.

A transfer student who is eligible to be classified as a senior must also pass the English usage test and file an Application for Graduation. (See pages 80 and 81.)

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

A maximum of 64 hours of credit from a junior college is counted toward graduation. The College does not recognize credits earned in a junior college after the student has completed 64 hours of college work.

Credit is not 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 serve as a prerequisite for another course only upon approval of the instructor concerned. (Students who enter under the District Transfer Plan from the community colleges of Arizona are referred to Direct Transfer Plan below.)

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 page 76 of the catalog.

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

A limited number of transfer students who do not have a "C" average in all college work already attempted may be admitted provisionally. (See pages 59 and 62.)

Students who have been asked to withdraw from another college because of poor scholarship or for any other reason are considered for acceptance only if the period of suspension set by the former institution has elapsed and the college from which students were asked to withdraw reinstates them. During their first semester

they may, upon recommendation of the Vice President for Academic Affairs or the Academic Affairs Committee, be required to withdraw if this appears to be in the best interest of the students and/or the College.

DIRECT TRANSFER PLAN

Grand Canyon College accepts the completion of the Associate in Arts Degree from accredited community colleges as fulfillment of the general studies requirement with the exception of six hours in Bible.

The work of students who have completed less than an Associate in Arts Degree will be evaluated on the basis of individual courses taken.

Most students can transfer to Grand Canyon College without losing any earned credits. For further information they may contact the Vice-President for Academic Affairs, or the Director of Admissions of Grand Canyon College or the Counselor in their own college.

INTERNATIONAL STUDENTS

In cooperation with the National Association of Foreign Student Advisers, an International Student Adviser has been designated at Grand Canyon College. International students interested in enrolling should communicate with the Foreign Student Adviser, Grand Canyon College, 3300 W. Camelback Rd., Phoenix, Arizona 85017.

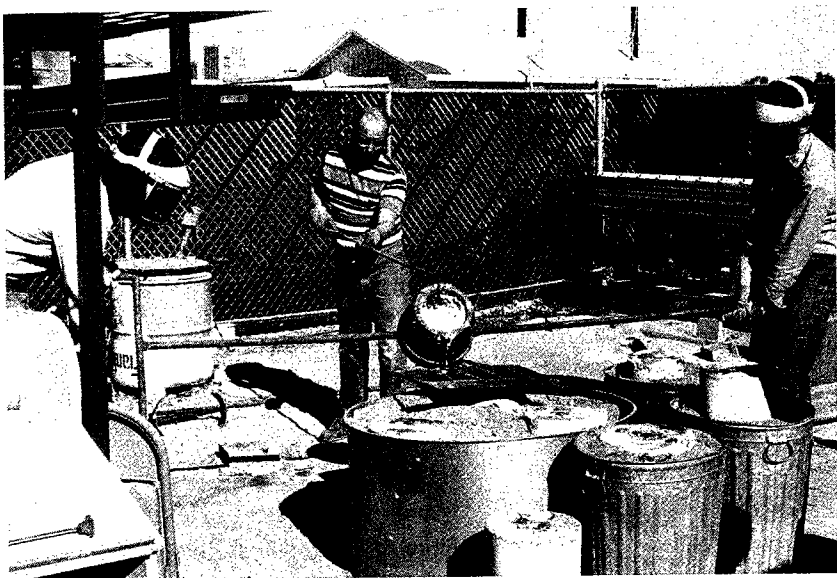
Before the application of a prospective international student can be considered, he must submit satisfactory scores on the Test of English as a Foreign Language (TOEFL). Interested persons may communicate with Educational Testing Service, Princeton, New Jersey.

Prospective students must also furnish evidence of financial ability to support themselves while in college.

International students are required to carry medical and hospitalization insurance. Such insurance is available at moderate cost through the Business Office.

V. General Academic Regulations

Definition of Semester Hour
Numbering of Courses
Classification of Students
Order of Taking Courses
Grading System and Quality Points
Academic Honors
Course Load
Maximum Number of Hours in a Subject
Upper Division Requirement
Change of Courses
Dropping of Courses
Withdrawal from all Courses
Auditing of Courses
Grade Requirements
Repeating of Courses
Academic Suspension
Academic Probation
Provisional Status
Eligibility for Activities
Class Attendance
Permission to Take Examinations Late
Correspondence and Extension Credit
Special Courses by Independent Study
Audit Privileges for Honor Students
Honors Study Program



VIII. Foreign Language – Recommended for B.A. degree. One language only; should be taken consecutively (see page 81).

Major and Minor Subjects

By the beginning of the junior year each student is required to select one subject area to be known as his major, in which he must present at least 30 semester hours of acceptable credit. In certain areas of study the number of hours required for a major exceeds 30. In any case, at least 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 Studies (page 84), is not permitted to count in the major any course with a grade below "C". A candidate for a secondary teaching certificate must have a "C+" (2.50) average, or above, in the teaching major. To change major once it has been declared as a junior, the student must secure approval of both departments in writing.

The student must also choose a minor in a subject area other than the major. The minor must consist of not fewer than 18 semester hours. Of these, six hours must be from courses of junior-senior rank. A student must earn at least 24 hours in the first minor to be certified to teach in that field.

A student may elect to complete a second major in lieu of a minor.

No course may count toward the completion of both major and minor.

Transfer students should consult the paragraph concerning minimum residence (page 80).

Elective Courses

A faculty adviser will help each student select a combination of major, minor, and elective studies appropriate for that individual.

A student may elect to take courses from the regular college curriculum offered in each department in addition to the courses which may be required in that particular area. A regular student is not allowed to take more than 42 semester hours for credit in any one subject area without special permission from the Vice President for Academic Affairs.

SPECIFIC ACADEMIC PROGRAMS IN RELATION TO DEGREES

It is assumed that in many instances students will not decide until the beginning of their junior year what their majors and minors will be. The suggestion that the first and second years be devoted almost exclusively to general requirements is intended to encourage students to study in the widest possible variety of fields, in order that they may determine wherein their greatest interests lie. Attention should be given to lower division courses which are required in majors, or as prerequisites

to upper division courses, that may be selected. Each of the following programs is a guide or check sheet for the student. Every specific course listed is a required course, except as noted.

Suggested Program for Bachelor of Arts Degree Candidates

For majors in Art, Art Education, Bible, English, Theatre-Speech, History, Music, Religion, Social Studies, or Behavioral Sciences.

Freshman Year			Sophomore Year		
	Fall	Jan. Spring		Fall	Jan. Spring
Bible 113, 123	3	3	Foreign Language	4*	4*
English 113, 123	3	3	Art or Music Appreciation	2	or 2,
History (See page 84)	3	3	Laboratory Science	4	
Math 114		4	** Activity P.E.	1	1
Activity P.E.	1	1	Major or Minor, Electives	3	9
Electives	3	2	January term	<u>14</u>	<u>3 16</u>
January term	<u>13</u>	<u>3 16</u>			

Junior Year			Senior Year		
	Fall	Jan. Spring		Fall	Jan. Spring
Foreign Language	3*	3*	Major, Minor, or Electives	14	15
Electives (Major or Minor)	11	12	January term	<u>14</u>	<u>3 15</u>
January term	<u>14</u>	<u>3 15</u>			

* A student continuing a foreign language from high school should begin his foreign language during his freshman year. For a Music major with Voice concentration, French or German is recommended. Foreign language is not required for a degree.

** Only two hours of Physical Education activity courses are required of students who transfer with 64 hours or more.

Suggested Program for Bachelor of Science Degree*

For majors in Biology, Business, Chemistry, Elementary Education, Environmental Sciences, Health Services Supervision, Mathematics, Music Education, Physical Education, or Training and Development.

Freshman Year			Sophomore Year		
	Fall	Jan. Spring		Fall	Jan. Spring
Bible 113, 123	3	3	Art or Music Appreciation	2	or 2
English 113, 123	3	3	History (See page 84)	3	3
Math. 114	4*		Activity P.E.	1**	1
Laboratory Science		4	Electives, Major or Minor	7	10
Activity P.E.	1	1	January term	<u>13</u>	<u>3 16</u>
Electives, Major or Minor	3	5			
January term	<u>14</u>	<u>3 16</u>			

*Students in any of these programs which lead to teacher certification are referred to pages 107, 108.

Junior Year				Senior Year			
	Fall	Jan.	Spring		Fall	Jan.	Spring
Major, Minor, or Electives	14		15	Major, Minor, or Electives	14		15
January term	<u>14</u>	<u>3</u>	<u>15</u>	January term	<u>14</u>	<u>3</u>	<u>15</u>

- * Students who need a math course in sequence for minor or major should refer to suggested programs on pp. 176 to 178.
 ** Only two hours of Physical Education activity courses are required of students who transfer with 64 hours or more.

Requirements for the Bachelor of General Studies Degree

Students who elect to study for a Bachelor of General Studies degree will complete the following requirements:

General Studies

Courses listed on page 82	30-32 hours
Electives	<u>96-98 hours</u>
	128 hours

A minimum of 45 hours must be in upper division courses.

A maximum of 21 hours of upper division work in any one academic department will be acceptable toward the degree.

Course prerequisites as stated in the catalog will be observed.

Other graduation requirements

A minimum grade of "C" must be made in all upper division courses.

An overall grade average of "C" must be maintained.

The student must pass the English Proficiency Test required of all degree candidates.

The student must satisfy the minimum residence requirement.

Special Conditions

Students who elect this program will sign a statement that they understand the Bachelor of General Studies degree may not be accepted for teacher certification, admission to professional schools, or admission to graduate schools.

Technical/vocational college courses will be evaluated individually for acceptance as transfer credit toward the degree.



VII. Departments of Instruction and Descriptions of Courses

Department of Business and Economics

Department of Education and Psychology

Department of Health and Physical Education

Department of History and Social Sciences

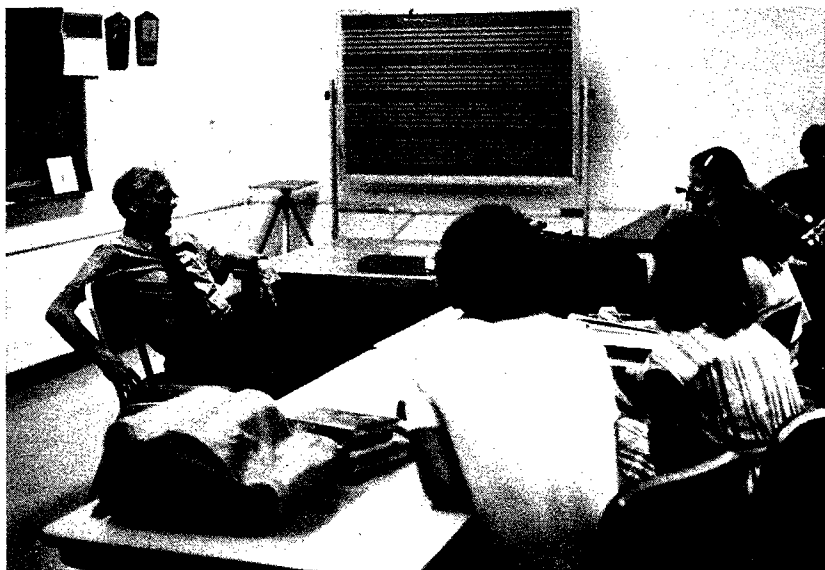
Department of Humanities

Department of Music

Department of Natural Sciences and Mathematics

Department of Religion

ROTC



Department of
BUSINESS AND ECONOMICS

Accounting

Business

Economics

Health Services Supervision

Special Secretarial Program

Training and Development

Center for Business Studies

DEPARTMENT OF BUSINESS AND ECONOMICS

As it relates to a liberal arts college, the Department of Business and Economics aims to provide all students of the College an opportunity to gain a general understanding of the American economy and to inspire them to practice Christian principles, personal integrity, and high ethical standards in all aspects of business life. The department also seeks to assist the students in exploring their aptitude for further study in the department or for a business-related career.

In addition to degree programs in business and economics and secretarial training, the department also offers three other kinds of training opportunity for professional careers. The program in Training and Development is designed to send men and women into business and government enterprises of the nation as professionally educated Training and Development personnel. Through the Center for Business Studies, the department works with local firms in upgrading the business and economic understanding of employers and employees to bring about a more efficient and economically operated business. Finally, the department provides a special course of study in Health Services Supervision, which aims to provide business, economic, and supervisory knowledge to those who will be working as mid-managers and managers with other health services personnel.



Requirements for a major in Business* (B.S. Degree)

Business 143 Business Mathematics	3 hours
CPSC 133 Computer Science or Business 373	
Principles of management	3 hours
Economics 213, 223 Survey and Principles of Economics	6 hours
Accounting 214, 233 Principles of Accounting I, II	7 hours
Business 343 Introduction to Probability and Statistics	3 hours
Business 353 and 363 Business Law I, II	6 hours
Business 393 Principles of Marketing	3 hours
Electives in Business and Economics	3 hours
	<hr/>
	34 hours

* Students majoring in Business are encouraged to develop a skill in touch typewriting. Students in Business Education must have proficiency equivalent to the requirements for Intermediate Typewriting. Students who feel they are proficient to this extent may take a special typewriting test given by the Department of Business and Economics. Notation of proficiency thus established is made on the student's permanent record. Proficiency must be established by course or by examination before the student takes Business 383, Business Communications. See page 24 for the examination fee.

Requirements for a minor in Business

Business 143 Business Mathematics	3 hours
Accounting 214 Principles of Accounting I	4 hours
Business 353 Business Law I	3 hours
Economics 213 Survey of Economics	3 hours
Electives in Business (3 hours upper division)	5 hours

Requirements for a minor in Accounting*

Accounting 214, 233 Principles I, II	7 hours
Accounting 313, 323 Intermediate Accounting I, II	6 hours
Electives in Accounting	6 hours

Requirements for a minor in Economics*

Economics 213, 223 Survey and Principles of Economics	6 hours
Electives in Economics (6 hours upper division)	12 hours

**Requirements for a minor in Office
Administration***

Business 213 Advanced Typewriting	3 hours
Business 163, 233 Shorthand	6 hours
Business 143 or 243 Business Mathematics or Business Machines	3 hours
Business 313 Office Procedures	3 hours
Business 383 Business Communications	3 hours

* When a minor in another business area is taken with a major in Business, there is some duplication of requirements. A course involved in such duplication is counted toward the minor only. The student takes sufficient electives in Business and Economics to satisfy the requirement of 34 hours in the Business major.

ACCOUNTING

Accounting 214. PRINCIPLES OF ACCOUNTING I. An introduction to the fundamental principles and practices of accounting, the construction and interpretation of balance sheets and of profit and loss statements, and the theory of debits and credits as applied to business transactions. *Every fall — 4 hours*

Accounting 233. PRINCIPLES OF ACCOUNTING II. A continuation of Accounting 214. An application of accounting principles to certain specialized problems within the various forms of business organization: manufacturing accounts, manufacturing cost and controls, accounting for fire losses, bonds, and sinking funds. *Every spring — 3 hours*

Accounting 313. INTERMEDIATE ACCOUNTING I. An in-depth study of accounting assumptions, theories, and principles; and a comprehensive study of the accounting process as related to assets and liabilities. Prerequisite: Accounting 233.

Fall, 1979, and alternate years — 3 hours

Accounting 323. INTERMEDIATE ACCOUNTING II. A continuation of Accounting 313. Emphasis is placed on corporate capital, income determination, funds flow, and changes in accounting methods. Prerequisite: Accounting 313.

Spring, 1980, and alternate years — 3 hours

Accounting 433. COST ACCOUNTING. Principles of factory and distributive cost accounting, including process and standard cost. Prerequisite: Accounting 233.

Spring, 1979, and alternate years

Accounting 443. INCOME TAX ACCOUNTING. An interpretation of federal income tax laws, with practice material requiring an application of provisions to the returns of individuals. Prerequisite: Accounting 233.

Fall, 1978, and alternate years

BUSINESS

Business 123. INTERMEDIATE TYPEWRITING. Provides practice in developing accuracy *with* speed in typing business correspondence, rough drafts of business letters, memoranda, inter-office communication, tabulation. Emphasis placed on production of mailable copy with opportunity for composition at the typewriter. Open to persons who have learned touch system and have attained a speed of 30 words per minute.

Each semester — 3 hours

Business 143. BUSINESS MATHEMATICS. A basic course in the principles of mathematics as related to business, including such fundamental mathematical operations as interest and discount, annuities, depreciation, ratio and proportion, and the use of graphs with mathematical computations.

Every semester — 3 hours

Business 163. INTERMEDIATE SHORTHAND. An additional study of theory, brief forms, business-letter phases, and practice in reading, writing, and dictation. Aimed at the attainment of a dictation speed of 80 words per minute. Three hours of class weekly, 2 hours of laboratory. Prerequisite: High school shorthand or approval based on proficiency in reading and writing shorthand plates.

Fall, 1978, and alternate years — 3 hours

Business 213. ADVANCED TYPEWRITING. Attention given to developing speed plus accuracy in production of mailable communications including letters, legal documents, medical reports, accounting reports, government correspondence; tabulation forms and duplication processes. *Every spring — 3 hours*

Business 223. DICTATION AND TRANSCRIPTION. Speed building, techniques of dictation and transcription, with emphasis on accuracy, readable form, mailable letter preparation. Three hours of class weekly. Prerequisite: Business 163 or equivalent. *Spring, 1979, and alternate years — 3 hours*

Business 243. BUSINESS MACHINES. Designed to give the student instruction in efficient operation of modern business machines including 10-key and full keyboard adding machines, printing calculators; special emphasis on electronic display (digital) and electronic printing (tape) machines. Practical business applications including interest, discounts, payroll computation, insurance, proration, reciprocals, invoicing, markups, percentages, and commissions. *Every fall — 3 hours*

Business 253. RECORDS MANAGEMENT. Principles and procedures of records management leading toward tactful performance in managing and using records in the contemporary office. A study of how records are managed within the context of a business system. Special emphasis given to automation and latest methods of managing, storing, retrieving records. Systems of filing include alphabetic, numeric, geographic, and subject. *Fall, 1979, and alternate years — 3 hours*

Business 313. OFFICE PROCEDURES. A general practice and procedures course designed to prepare the individual for job-entry level employment in business office. Includes preparation for employment, performing general office duties, i.e. statistical tables, office forms, office correspondence, postal and shipping services, mail processing, filing business records; making business decisions and oral communications, as well as handling financial transactions and working in a mechanized office toward advancement on the job. *Spring, 1980, and alternate years — 3 hours*

Business 323. BUSINESS FINANCE. The financial structure of various types of business organizations, including sole proprietorships, partnerships, and corporations. Methods of securing and managing funds to meet short-term and long-term capital requirements. Financial problems are considered in connection with refunding, reorganization, mergers, and consolidations. Prerequisites: Accounting 233 and Economics 223. *Spring, 1980, and alternate years — 3 hours*

Business 333. PERSONNEL ADMINISTRATION. Analysis of the personnel policies of business enterprises. Areas of study include selection, placement, training, promotion, morale, employee services, and organization and functions of a personnel department. *Every spring — 3 hours*

Business 343. INTRODUCTION TO PROBABILITY AND STATISTICS. See Mathematics 363.

Business 353. BUSINESS LAW I. A study of the development of our legal system with a brief study of the nature of crimes, torts, and strict liability. The course also includes contracts, agency, and property. *Every fall — 3 hours*

Business 363. BUSINESS LAW II. A continuation of Business 353. Included in this course is the study of partnerships, corporations, sales commercial paper, credit, and government regulations and agencies. *Every spring — 3 hours*

Business 373. PRINCIPLES OF MANAGEMENT. An introductory course with an overall objective of developing and improving skills which increase managerial effectiveness. The course deals with management in general and the basic management process and functions in particular, focusing on real world management situations concerned with planning and getting out routine work. Prerequisite: Junior standing or consent of instructor. *Every fall — 3 hours*

Business 383. BUSINESS COMMUNICATIONS. Practice in writing effective business letters, memoranda, and reports. Emphasis on effective written and oral communication as it applies to human relations in business; a managerial approach to effective communication through conversing, conferring, reporting, and dictating of business messages. Refresher course in communication skills such as dictionary use, word usage, punctuation, spelling, gaining word power, and constructing effective sentences. Prerequisite: Ability to use the typewriter. *Every spring — 3 hours*

Business 393. PRINCIPLES OF MARKETING. Understanding of the marketing processes as they relate to marketing decisions, selection of market targets, product strategy, distribution channels, pricing, marketing research, advertising, interaction of marketing and society. Prerequisite: Economics 213. *Every spring — 3 hours*

Business 453. HUMAN RELATIONS IN BUSINESS. A study of the interpersonal relations between individuals and groups in an organizational setting. The problems that arise out of these relations are analyzed and evaluated by using the case approach. *Every spring — 3 hours*

CPSC 133. INTRODUCTION TO COMPUTER SCIENCE. See Mathematics 133.

ECONOMICS

Economics 213. SURVEY OF ECONOMICS. A brief survey of basic economic concepts, principles, and business practices from a microeconomic approach. The course includes a preview of the American economy, national production, employment and income; also included is a study of the monetary and fiscal policy in the United States, the public sector and economic growth. *Every fall — 3 hours*

Economics 223. PRINCIPLES OF ECONOMICS. A continuation of Economics 213, from a microeconomics approach covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems. *Every spring — 3 hours*

Economics 343. FAMILY FINANCIAL PLANNING. A study of standards of living related to income, expense, and occupation. A survey of consumerism directly related to consumer credit, savings, insurance, social security, health care, investments, taxes, estate planning, and purchasing a home. Recommended prerequisite: A survey course in economics. *Every fall — 3 hours*

Economics 353. ECONOMIC GEOGRAPHY. See Geography 353.

Economics 363. MONEY AND BANKING. A general survey of 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, and foreign exchange. Prerequisite: Economics 213. *Fall, 1979, and alternate years — 3 hours*

Economics 383. ECONOMIC HISTORY OF THE UNITED STATES See History 383.

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. *Spring, 1979, and alternate years — 3 hours*

SPECIAL SECRETARIAL PROGRAM

A special program is offered to persons who do not plan to complete a four-year degree program but who wish to qualify for office positions. Students who complete the curriculum outlined below and meet departmental standards receive a certificate of proficiency. A student may complete the 65 hour program in less than two years by enrolling in summer sessions.

A student with previous instruction in typewriting and shorthand may be required to enter advanced courses. Alternate courses may be included to meet the student's needs.

A student who desires later to complete a degree program may count the courses earned in the special secretarial program as regular credit toward the degree, but must complete all requirements outlined in the degree curriculum.

First Year

	Semester Hours		
	Fall	January	Spring
English 113 and 123 First year English	3		3
Bible 113 and 123 Old and New Testament History	3		3
Physical Education Activity course	1		
Business 123 Typewriting			3
Business 143 Business Mathematics			3
Business 163 Shorthand	3		
Business 243 Business Machines	3		
Speech			3
Electives			2
January Term		3	
	<u>13</u>	<u>3</u>	<u>17</u>

Second Year

	Semester Hours		
	Fall	January	Spring
Accounting 214 Principles of Accounting	4		
CPSC 133 Introduction to Computer Science	3		
Business 213 Advanced Typewriting			3
Business 223 Dictation and Transcription			3
Business 253 Records Management	3		
Business 313 Office Procedures			3
Business 383 Business Communications			3
Economics 213 Survey of Economics	3		
Physical Education Activity course	1		
Psychology 213 General Psychology			3
January Term		3	
Electives			2
	<u>14</u>	<u>3</u>	<u>17</u>

HEALTH SERVICES SUPERVISION (B.S. Degree)

The Bachelor of Science Degree program in Health Services Supervision is built on the assumption that the student has completed two years of college work with an A.A. degree or its equivalent.

The purpose of this program is to give those with a health services background, such as registered nurses, an opportunity to get a Bachelor of Science degree from an accredited four-year college. The program concentrates on administration and does not purport to give additional training in nursing or medical services. The program does not prepare the nurse to enter a master's degree program in nursing. The program will, however, give those in the field of health services an opportunity to earn a Bachelor of Science degree with administrative training which is so often needed in the field of health services.

The following suggested program outlines the courses required for the degree. As to the specific semester in which courses are taken, this schedule may need to be adjusted because of conflicts between classes or because of the necessity to make up deficiencies in general graduation requirements.

Junior Year

	Semester Hours		
	Fall	January	Spring
Business 253 Records Management	3		
Business 333 Personnel Administration			3
TD 303 Training & Development Prin. I	3		
TD 313 Training & Development Prin. II			3
BS 101 Basic Supervision	1		
(In Center for Business Studies)			
Bible 113, 123 Old and New Testament History	3		3
Electives	5	3	6
	15	3	15

Senior Year

	Semester Hours		
	Fall	January	Spring
Business 373 Principles of Management	3		
Business 383 Business Communications			3
Business 453 Human Relations in Business			3
B.S. 141 Basic Communications	1		
(In Center for Business Studies)			
Electives	11	3	9
	15	3	15

Suggestions for Elective Courses

Science courses to strengthen the Health Services background

Accounting 214 Principles of Accounting I

Economics 213 Survey of Economics I

Business 313 Office Procedures

Business 123 Intermediate Typewriting

* Psychology 303 Social Psychology

* Psychology 253 Personality Development

* Psychology 343 Fundamentals of Counseling and Guidance

Business 343 Introduction to Probability and Statistics

Supervision courses offered in Center for Business Studies

* Psychology 213, General Psychology, is prerequisite.

TRAINING AND DEVELOPMENT

The College, in cooperation with the Valley of the Sun Chapter of the American Society for Training and Development, is offering a B.S. degree in Training and Development. This is the first college in the United States to offer an undergraduate degree in this field. Because hundreds of thousands of employees are now taking training in business and industry, there is a great need for training and development personnel to assist in these programs in business, industry, and government.

Course of Study for a B.S. Degree in Training and Development

	Semester Hours
Professional Courses	
I. Business (24-25 hours)	
Business 133 Introduction to Data Processing ✓	3
Economics 213, 223 Survey and Principles ✓	6
Business 333 Personnel Administration	3
Business 373 Principles of Management ✓	3
Business 453 Human Relations in Business	3
Accounting 214, 233 Principles I, II ✓	
Business 323 Business Finance	
Business 343 Intro. to Probability and Statistics ✓	
Business 363 Business Law II	
Business 383 Business Communications	
Business 393 Principles of Marketing ✓	
	6-7
	24-25

II. Training and Development (14 hours)		
TD 303,313 Training & Development Principles I, II	6	
TD 404, 414 Training & Development Internship I, II	8	14
III. Education (15 hours)		
Ed. 303 Foundations of Education	3	
Ed. 363 Audio-Visual Materials & Methods	3	
Adult Ed. 353 Survey of Adult Education	3	
Adult Ed. 363 Principles of Teaching Adults	3	
Adult Ed. 443 Curriculum for Adult Education	3	15
IV. Psychology (9 hours)		
Psy. 213 General Psychology	3	
Psy. 313 Educational Psychology	3	
Psy. 343 Fundamentals of Counseling & Guidance	3	9
V. Courses for personal development (12 hours)		
Speech 113 Fundamentals of Speech	3	
Speech 213 Group Discussion	}	
OR		
Speech 323 Voice and Diction		3
Philosophy 213 Introduction to Philosophy		3
and ONE course selected from the following:		
Psy. 253 Personality Development	}	
Soc. 213 Principles of Sociology		
Soc. 303 Social Psychology		3
Soc. 353 The American Community		12
*General Education, January Term, and Electives		53-54
		128 hours

* General Graduation Requirements are found on page 82 ff.

Requirements for a minor in Training and Development.

TD 303, 313 Training & Development Principles I, II	6	
Adult Ed. 363 Principles of Teaching Adults	3	
Psychology 313 Educational Psychology	3	
Psychology 343 Fundamentals of Counseling & Guidance	3	
Adult Ed. 443 Curriculum for Adult Education	}	
TD 404 or 414 Training & Development		3-4
Internship I, II		
		<hr/> 18-19 hours

TD 303. TRAINING AND DEVELOPMENT PRINCIPLES I. Provides initial exposure in some depth to specific areas of specialization, methods and techniques used by training and development professionals in business, industry, government agencies, and institutions of varied size. *Every fall — 3 hours*

TD 313. TRAINING AND DEVELOPMENT PRINCIPLES II. A continuation of TD Principles I, giving the student a base of knowledge upon which to build a career in Training or Development or to understand the role of training as a tool of management. Prerequisite: TD 303. *Every spring — 3 hours*

TD 404. TRAINING AND DEVELOPMENT INTERNSHIP I. The Student will be given an opportunity to practice the principles learned in TD Principles I and II by spending at least 8 hours a week in a department of training and development. Prerequisite: TD 313. *Every fall — 4 hours*

TD 414. TRAINING AND DEVELOPMENT INTERNSHIP II. The student will have further opportunity to work under the supervision of a training and development officer in an industrial company, a business, a hospital, or a government agency, depending upon one's special interest. Prerequisite: TD 313. *Every spring — 4 hours*

CENTER FOR BUSINESS STUDIES

Further to serve business, professional and governmental groups in the Salt River Valley, the College has established a Center for Business Studies. Persons who wish to continue education in business-related subjects may take courses involving a short period of time and exposure to experts in the various fields. These courses will also be advantageous to those who have moved into supervisory and managerial positions without special training in the area.

This service in metropolitan Phoenix is unique among four-year colleges of the area. Arizona State University provides graduate level courses through its Center for Executive Development. The Grand Canyon College center will meet the many needs that arise before that level is reached. These two programs complement each other and help to make a full offering available to residents of the Valley of the Sun.

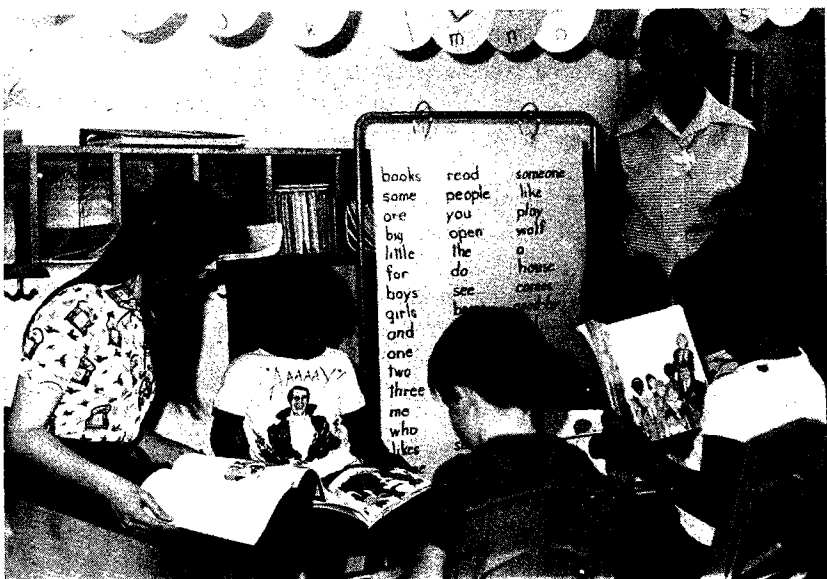
Courses in the Center will include such areas as Basic Supervision, Basic Management, Human Relations, Business Communications, Small Business Bookkeeping, Small Office Management, Business Machines, Typing Refresher Course, Motiva-

tion, and others as the need arises. The courses are designed to provide fifteen hours of instruction with the class meeting one night a week for five weeks, or for a shorter period meeting more than once a week.

Students may take these courses for audit or for one semester hour of college credit, not to exceed a total of six hours toward graduation.

Reasonable fees will include all materials and supplies – other than text books – needed for the course. A schedule of courses offered and fees charged will be published and distributed from time to time. The latest schedule is available from the Registrar's Office.





Department of
EDUCATION AND PSYCHOLOGY

Teacher Education Curricula

Student Teaching

Education

Elementary Education

Secondary Education

Adult Education

Psychology

DEPARTMENT OF EDUCATION AND PSYCHOLOGY

While the Department of Education and Psychology functions primarily to prepare persons to be public school teachers, the courses are regular college courses and students majoring in other areas may be allowed to take certain courses in the department.

TEACHER EDUCATION CURRICULA

The courses in education and psychology are planned primarily to provide curricula for certification of elementary teachers and of high school teachers.

Course work is offered leading to teaching programs in the following areas:

1. Elementary Education
2. Secondary Education, with certifiable majors in Art, Education, Biology, Business, Chemistry, English, History, Mathematics, Music, Music Education, Physical Education, Social Studies, and Theatre/Speech.

3. Endorsements (K-12) for Art, Music, and Physical Education. *semester*

According to the State Dept. 40 hours are required in the special subj area
The teacher education program of Grand Canyon College is approved by the State Board of Education and leads to certification in the following manners:

Elementary or Secondary, Basic Certificate

A person with a bachelor's degree may normally qualify for a basic certificate for teaching in the elementary or secondary schools of Arizona if he has credit for the courses required for professional preparation, including student teaching. Any portion of this professional preparation, including a study of psychology, curriculum, methods of teaching, and student teaching, may be included in the work leading toward the bachelor's degree.

Elementary or Secondary, Standard Certificate

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 30 hours in upper division courses during a special fifth year program designed by a committee of the faculty and including prescribed professional courses. (See p. 109.)

APPLICATION PROCEDURES

Eligibility

In order to become a candidate for teacher education, a student must have completed at least 58 semester hours of college work with a minimum grade point average of 2.50 on all work taken. In order to be accepted as a candidate for a secondary certificate, one must also have a 2.50 average in the teaching field; and one seeking K-12 subject endorsement must have a 2.50 average in the appropriate teaching field.

A student who has completed 75 hours before attaining a 2.50 average is advised to earn a degree before he applies for admission to the teacher education program.

All candidates must have passed the English Usage Examination. (See page 80.)

Application for Teacher Training

After completing 58 semester hours, prospective candidates must make written application to the chairman of the education department for admission to the teacher education program.

Applications are not processed until they are submitted in complete form and all supporting reference letters are received by the department. Applicants are responsible for any follow-up necessary for completing their application files. Completed applications are to be on file eight weeks prior to the beginning of the semester or term in which students plan to commence the teacher preparation program.

Students will be notified in writing as to the action taken on their applications by a screening committee representing the education department faculty, the college faculty, and the student body.

Students accepted into the program will be issued a card indicating their acceptance. Since certain methods courses and student teaching are reserved for students who have been accepted into the Teacher Education Program, the card will need to be presented at each registration time by students who wish to enroll in any of the following courses: Elementary Education 323, 326/8, 363, 403, 433, 443; High School Education 326/8, 443, 452, 462.

Application for Student Teaching

All students who wish to be placed in student teaching must make written application. Appropriate forms are available from the Director of Student Teaching, Room 118, Faculty Building.

Deadlines for applying for student teaching are as follow:

To teach during Fall Semester – April 15

To teach during Spring Semester – November 15

To teach during Summer Term – March 15

Except in hardship cases, secondary teacher candidates are not allowed to do student teaching in a high school which they attended.

STUDENT TEACHING SEMESTER

The student teaching semester is offered on a "block" basis. The students complete 17 hours of course work in a single semester which is divided into two blocks. The first block lasts 8 weeks, during which time students take 9 hours of course work in professional education. The second block, of nine weeks duration, is reserved for student teaching and carries 8 hours of credit. Exceptions to the second block are made for students who are in the fifth-year program (see p. 109). These students are given the option of taking 6 hours of student teaching, for a semester total of 15 hours.

Grand Canyon College provides experience in student teaching through an arrangement made with more than 60 school districts throughout the state, including the following:

Ajo School District #15
Alhambra Elementary School District
Apache County High School District
Avondale School District #44
Bagdad Public Schools
Bisbee Public Schools
Bowie Public Schools
Buckeye Elementary School District
Cartwright Elementary School District
Chandler Public Schools
Chino Public Schools
Clifton Public Schools
Copper Belt School District
Cottonwood-Oak Creek Public Schools
Creighton Elementary School District
Deer Valley School District #97

Duncan Schools
Dysart Elementary Schools
Florence Elementary Schools
Ft. Huachuca Accommodation Schools
Gilbert Public Schools
Glendale Elementary School District
Glendale Union High School District
Globe Public Schools
Holbrook Public Schools
Isaac Elementary School District
Kingman Elementary School District
Liberty Elementary School District
Litchfield Park Elementary School District
Littleton School District, Cashion, Arizona
Madison Elementary School District
Marana Public Schools

Mayer Public Schools
 Mesa Public Schools
 Mingus Jr.-Sr. High School & Verde, #3
 Mohawk Valley School, #17
 Murphy Elementary School District
 McNary Elementary School District
 Osborn Elementary School District
 Palo Verde Elementary School District
 Paradise Valley School District
 Parker Elementary School District,
 Payson Public Schools
 Peoria Public Schools
 Phoenix Christian High School
 Phoenix Elementary School District #1
 Phoenix Indian School
 Phoenix Union High School District
 Prescott Public Schools

Riverside Elementary School District
 Roosevelt Elementary Schools
 Safford Public Schools
 Santa Cruz Valley Union High School
 Scottsdale Public Schools
 Seligman Public Schools
 Sierra Vista Public Schools
 Stanfield Public Schools
 Superior Public Schools
 Tempe Elementary School District
 Tolleson Grammar School #17
 Tolleson Union High School District
 Washington Elementary School District
 Wickenburg Public Schools
 Wilson Elementary School District #7
 Winslow Public Schools
 Yuma Elementary School District
 Yuma Union High School District

Supervision of the student teacher is performed by the school to which the student is assigned. The evaluation of the student teacher's work is a dual responsibility, borne by the College and by the school in which the student teaching is done.

GENERAL STUDIES FOR TEACHER EDUCATION PROGRAMS

Bible 113, 123 Old and New Testament History	6 hours
English EW 113, 123—Grammar, Composition, and Lit.	6 hours
Art and/or Music (includes Music 252 or Art 112)	4 hours
History 213, 223 American History	6 hours
Physical Education Activity	4 hours
Speech 113 or 213	3 hours
Govt 303 Federal and Arizona Government	3 hours
Psychology 213 General Psychology	3 hours
Psychology 353 or 373 (Child or Adolescent)	3 hours
Laboratory Science	4 hours
Mathematics 114	4 hours
	<hr/> 46 hours

COURSES FOR ELEMENTARY CERTIFICATE

(Grades K-8)

Requirements for a major in Elementary Education

(B.S. Degree)

Ed. 303 Foundations of Education	3 hours
El. Ed. 323 Elem. Curriculum and Methods: Science	3 hours
El. Ed. 343 Communication Arts in Elementary School	3 hours
El. Ed. 363 Curriculum and Methods: Social Studies	3 hours
El. Ed. 403 Mathematics for Elementary Teachers	3 hours
El. Ed. 412 Decoding	2 hours
El. Ed. 433 Reading in the Elementary School	3 hours
El. Ed. 443 Reading Practicum in Elementary School	3 hours
* Ed. 313 Educational Psychology	3 hours *
Ed. 413 Tests and Measurements	3 hours
Ed. 363 Audio-Visual Materials and Methods	3 hours
El. Ed. 328 Student Teaching in Elementary Grades	8 hours

(40) hours

* Education Block—17 hours

Elementary Education majors must present an appropriate 18-hour subject matter minor.

Recommended electives for elementary teacher candidates:

Ed. 183 Exploring Education as a Career	every semester	3 hours
Ed. 323 Library Materials for Classroom Use	Summer	3 hours
El. Ed. 313 Nursery-Kindergarten Education	Spring/Summer	3 hours
El. Ed. 373 Children's Literature	Fall	3 hours
Art Ed. 303 Art in the Elementary School	Spring	3 hours
Health Ed. 333 School Health Problems	Spring	3 hours
Music Ed. 333 Music in the Primary and Elem. Grades	Fall	3 hours
Phys. Ed. 323 Physical Education for Elementary Grades	Spring/Summer	3 hours

COURSES FOR SECONDARY CERTIFICATE

(Grades 7-12)

(Degree depends on Major)

Ed. 303 Foundations of Education	3 hours
H.S. Ed. 443 High School Curriculum and Methods	3 hours
Special methods in major teaching field (if available)	2-3 hours
H.S. Ed. 452 Reading in the Secondary School	2 hours
H.S. Ed. 462 Reading Practicum in Secondary School	2 hours

spe 323

Exceptional Education
Music

* Ed. 313 Educational Psychology	3 hours *
Ed. 363 Audio-Visual Materials and Methods	3 hours
Ed. 413 Tests and Measurements	3 hours
H.S. Ed. 328 Student Teaching in Secondary School	8 hours

27-30 hours

* Education Block—17 hours

The student's major, required for graduation, is his major teaching field. Certifiable majors are listed on page 104.

The minor, also required for graduation, to be certifiable for a secondary school teaching field, must be 24 semester hours (20 in some cases), rather than the usual 18. Students should confer with faculty personnel in the minor department.

FIFTH YEAR PROGRAM

The teacher education program has been extended to include a fifth year of preparation to meet current Arizona teacher certification requirements. Students who have previously earned a bachelor's degree are recommended for standard certification after successful completion of a fifth-year program of at least 30 semester hours of upper division work in appropriate professional education, academic preparation, and/or supervised student teaching experience. Requirements for admission to the program are the same as those noted for degree candidates.

EDUCATION

Education 113. READING SKILLS FOR SUCCESS IN COLLEGE. Designed to reinforce the reading/learning skills needed for success in college courses. Emphasis is placed on comprehension, vocabulary building, improvement of reading rate, note taking, study skills, organization of time, and test-taking techniques.

Every spring — 3 hours

Education 183. EXPLORING EDUCATION AS A CAREER. By observation and other direct experiences in the classroom, students see for themselves what working with children and young people involves. A minimum of 45 hours will be spent in the public school classroom.

Every semester — 3 hours

Education 303. FOUNDATIONS OF EDUCATION. A study of the historical, philosophical, and sociological influences which have shaped American education, the issues faced by educators today, and the challenges of the future which await persons now entering the teaching profession. The course is designed for students who have already committed themselves to a career in education.

Every semester and every summer — 3 hours

Education 313. EDUCATIONAL PSYCHOLOGY. (Also Psychology 313.) A thematically arranged study of the theories and principles of psychology which have influenced learning and teaching techniques. Included are such topics as child development, learning, motivation, and evaluation. Prerequisite: Psychology 213.

Every semester and every summer — 3 hours

Education 323. LIBRARY MATERIALS FOR CLASSROOM USE. A workshop course designed to help teachers integrate library materials with classroom instruction. Special assistance is given in the use of the library in connection with class assignments and preparations.

Every summer — 3 hours

Education 363. AUDIO-VISUAL MATERIALS AND METHODS. (Also Religion 363.) A survey of the role of audio-visual aids projected and non-projected, in learning and communication, with emphasis on the selection, preparation, evaluation, and utilization of such materials and equipment.

Every semester and every summer — 3 hours

Education 413. TESTS AND MEASUREMENTS. Deals with the philosophy of testing, the construction of tests, and the actual administration and interpretation of tests. Examination of sample tests. Students select either high school or elementary tests for study and engage in test construction in either field. Prerequisites: Elementary Education 343 or High School Education 443.

Every semester and every summer — 3 hours

ELEMENTARY EDUCATION

Elementary Education 313. NURSERY-KINDERGARTEN EDUCATION. Considers philosophy, principles, practices, and problems of curriculum. Approaches to creative teaching and learning through motivation, environmental changes, and experimentation. Laboratory experiences are included as part of the course content.

Every spring and every summer — 3 hours

Elementary Education 323. CURRICULUM AND METHODS: SCIENCE. Designed to acquaint the elementary teacher with the curriculum and the effective techniques for the teaching of science. The student is involved in planning instruction, employing science programs that are currently being used in the public schools, and using instructional models. Laboratory experiences. Prerequisite: Education 303 and Mathematics 114 or equivalent.

Every semester and every summer — 3 hours.

Elementary Education 328. STUDENT TEACHING IN THE ELEMENTARY GRADES. The student is assigned to an approved school to serve as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: 23 hours of required courses for elementary certificate including Education 303 (see p. 108), and admission to elementary teacher education program.

Every semester — 8 hours

Elementary Education 343. COMMUNICATION ARTS IN THE ELEMENTARY SCHOOL. Techniques for teaching, listening, speaking, creative writing skills, handwriting, spelling, and kinesics. Laboratory experiences. Prerequisite: Education 303.

Every semester and every summer — 3 hours

Elementary Education 363. CURRICULUM AND METHODS: SOCIAL STUDIES. This course is designed to assist the elementary teacher with methods of instruction, unit and daily lesson plan construction, materials and resources available, and current developments in the field. Prerequisite: Education 303.

Every semester and every summer — 3 hours

Elementary Education 373. CHILDREN'S LITERATURE AND STORY TELLING. All types of children's literature from outstanding authors are surveyed through synopses and actual reading of children's books, to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of story telling are also studied.

Every fall — 3 hours

Elementary Education 403. MATHEMATICS FOR ELEMENTARY TEACHERS. See Mathematics 403.

Elementary Education 412. DECODING. Designed to give teachers and prospective teachers a basic understanding of phonics, context clues, and morphology —with some discussion of sight vocabulary. The practical, rather than theoretical, will be stressed, with examples for classroom practice.

Every semester and every summer — 2 hours

Elementary Education 433. READING IN THE ELEMENTARY SCHOOL. A program designed for understanding techniques and procedures for dealing with the individual child. Instruction includes reading readiness, word recognition, comprehension, vocabulary, with various approaches to creating interest in and the love of reading. Must be taken concurrently with Elementary Education 443. Prerequisites: Education 303, Elementary Education 343, 412.

Every semester and every summer — 3 hours

Elementary Education 443. READING PRACTICUM IN THE ELEMENTARY SCHOOL. Designed to provide prospective elementary teachers with an intensive teaching experience over the length of one semester. Taken concurrently with Elementary Education 433. *Every semester and every summer — 3 hours*

SECONDARY EDUCATION

High School Education 328. STUDENT TEACHING IN HIGH SCHOOL. The student is assigned to an approved school to serve as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: Education 313 and 413, High School Education 443, 452, and 462. Credit only. No grade is given. *Every semester — 8 hours*

High School Education 443. CURRICULUM AND METHODS OF SECONDARY EDUCATION. A study of two related major areas of secondary teaching—curriculum construction and techniques of teaching. Each student is given the opportunity to design a model curriculum in his respective field of study and to create a variety of teaching techniques which are appropriate expressions of his model. Prerequisite: Education 303. *Every semester and every summer — 3 hours*

High School Education 452. READING IN THE SECONDARY SCHOOL. This course is designed to help secondary teachers become aware of and meet the needs for reading/learning skills of high school students. Taken simultaneously with High School Education 462. Prerequisite: Education 303. *Every semester — 2 hours*

High School Education 462. READING PRACTICUM IN THE SECONDARY SCHOOL. This practicum is a school centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students in developmental and remedial reading classes and/or one-to-one tutoring. The practicum is taken simultaneously with High School Education 452. Prerequisite: Education 303. *Every semester — 2 hours*

ADULT EDUCATION

Adult Education 353. SURVEY OF ADULT EDUCATION. Historical development, objectives, scope, trends, and significance of adult education. Philosophy and trends of adult education in relation to desirable present and future local business and industry training programs as well as public school programs. *Fall, 1978, and alternate years — 3 hours*

Adult Education 363. PRINCIPLES OF TEACHING ADULTS. Factors considered in establishing and developing adult education programs in schools, business, and industry. *Spring, 1979, and alternate years — 3 hours*

Adult Education 443. CURRICULUM FOR ADULT EDUCATION. Types, methods, and administration of adult programs. Ways and means of implementing adult activities in learning situations. Each student will participate in a research study of some facet of adult education. Prerequisite: Adult Education 355 or permission of instructor. *Spring, 1980, and alternate years — 3 hours*

PSYCHOLOGY

Requirements for a minor in Psychology

Psychology 213 General Psychology	3 hours
Psychology 253 Personality Development	3 hours
Psychology ³²³ 323 History and Systems, or	
Psychology 303 Social Psychology	3 hours
Electives in Psychology	9 hours

See Department of History and Social Sciences for list of requirements for a major in Behavioral Science.

Psychology 213. GENERAL PSYCHOLOGY. A foundation course in the science of behavior. Includes a study of the origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments constitute a basic part of the course. *Me*

Every semester, and every summer — 3 hours

Psychology ³²³223. HISTORY AND SYSTEMS OF PSYCHOLOGY. A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Normally taken by sophomores or juniors but may be taken by permission during 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. *X*

Spring, 1979, and alternate years — 3 hours

Psychology 253. PERSONALITY DEVELOPMENT. An analysis of personality and its development at different age levels in the personal life of the individual. Attention is further given to the application of theoretical concepts in beneficial interpersonal relationships for the student. *Every semester — 3 hours*

Psychology 303. SOCIAL PSYCHOLOGY. See Sociology 303.

Psychology 313. EDUCATIONAL PSYCHOLOGY. See Education 313.

Psychology 333. PSYCHOLOGY IN RELIGION. See Religion 333.

Not well not take
Psychology 343. FUNDAMENTALS OF COUNSELING AND GUIDANCE. Designed for teachers, ministers, business persons, industrial workers, or workers in sociology. Emphasis is placed on the proper use of psychology as a tool for guidance by persons in various occupations. Prerequisite: Psychology 213.

Every semester and every summer — 3 hours

Psychology 353. CHILD PSYCHOLOGY. An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work, and play in child life; and the synthesis and integration of personality. Prerequisite: Psychology 213.

Every semester and every summer — 3 hours

Psychology 363. INTRODUCTION TO PROBABILITY AND STATISTICS. See Mathematics 363.

Psychology 373. ADOLESCENT PSYCHOLOGY. An examination of the meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescence; and the guidance and control of adolescent behavior. Prerequisite: Psychology 213.

Also even summer? *Every semester — 3 hours*

Psychology 433. ABNORMAL PSYCHOLOGY. Designed to help the student to understand mental illness and to prevent mental illness by a better awareness of the emotional, functional, and physiological factors influencing mental health. While students minoring in psychology may be permitted to take the course, it is assumed that this course is essential for all persons majoring in behavioral sciences. Prerequisite: Psychology 213.

Open Fall, 1978, and alternate years — 3 hours



Department of
HEALTH AND PHYSICAL EDUCATION

Health Education

Physical Education

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

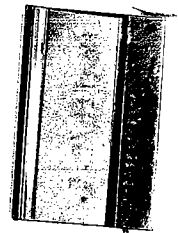
The purpose of required physical education is to maintain the physical vitality of students and to develop interests and activities that will continue beyond school. The work includes conditioning exercises, individual activities, adult sports, etc.

Courses are provided to achieve the following aims: (1) to offer a varied program of physical activity which will contribute to the well-being of the students and (2) to train men and women as health and physical education teachers and coaches.

Upon written recommendation of a medical doctor and approval of the Department of Physical Education and the Vice President for Academic Affairs, a three-hour course in physical education or health education may be substituted for the entire requirement in physical activity courses. Normally, one of the following courses suffices: Physical Education 213, Health Education 203, 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 90 days of active service is allowed. This credit is not granted automatically to veterans. In order to establish the credit, the student must comply with instructions given by the Registrar's Office.

Student who have received credit in activity physical education for military training are not allowed to receive credit for Physical Education 101, 111, 121, 131, 201, 231, or 241 unless they are working toward a major or minor in Physical Education.



Requirements for a minor in Health Education

Health Education 203 First Aid & Safety ✓	3 hours
Health Education 213 Personal Health	3 hours
Health Education 333 School Health Problems	3 hours
Health Education 343 Principles of Public Health	3 hours
Health Education 353 Anatomy & Physiology	3 hours
Health Education 363 Methods of Teaching	3 hours

18 hrs.

Requirements for a major in Physical Education
(B.S. Degree)

36 hours

Physical Education 101, 111, 121, 131,	
201, 231, 241 (choice)	Any 4 hours
Physical Education 243 History and Principles	3 hours
Physical Education 273 Recreation Administration	3 hours
Physical Education 282 Professional Activities	2 hours
Physical Education 292 Professional Activities	2 hours
Physical Education 313 Kinesiology	3 hours
Physical Education 323 or 413 Methods	3 hours
Physical Education 423 Org. and Adm.	3 hours
Physical Education Electives	7 hours
Health Education 353 <i>Anatomy & Physiology</i>	3 hours

must take both for K-12

Requirements for a minor in Physical Education

Secondary people only take see curriculum class

Physical Education 101, 111, 121, 131	
201, 231, 241	Any 4 hours
Physical Education 243 History and Principles	3 hours
Physical Education 282 Professional Activities	2 hours
Physical Education 292 Professional Activities	2 hours
Physical Education 313 Kinesiology	3 hours
Physical Education 323 or 413 Methods	3 hours
Physical Education 423 Org. and Adm.	3 hours
Health Education 353 <i>Anatomy & Physiology</i>	3 hours

Endorsement

HEALTH EDUCATION

Health Education 203. FIRST AID AND SAFETY. Designed to develop the ability to administer emergency treatment in accordance with recommendations of American Red Cross. Also a study of safety and its contributions to the health of the nation.

Every fall — 3 hours

Health Education 213. PERSONAL HEALTH. A study of personal health concepts with emphasis on the importance of good health in the attainment of life's goals and aspirations.

Every fall — 3 hours

Health Education 333. SCHOOL HEALTH PROBLEMS. An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs.

Every spring — 3 hours

Health Education 343. PRINCIPLES OF PUBLIC HEALTH (also Environmental Science 343). A study of the public agencies and their contribution to the health of the community. Also includes fundamentals, philosophy, history, and functions of public health services. *Every fall — 3 hours*

Health Education 353. 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. Prerequisite: Physical Education 243. *Every fall — 3 hours*

Health Education 363. METHODS OF TEACHING HEALTH. A study of methods and procedures of teaching health. Resources, aids, and agencies are studied in an attempt to determine how they may best assist the teacher. *Every spring — 3 hours*

Health Education 383. DRUG ABUSE SEMINAR. See Sociology 383.

Health Education 391, 2, 3, 4. PRACTICUM. See page 77.

Health Education 491, 2, 3, 4. INDEPENDENT STUDY. See page 77.

PHYSICAL EDUCATION

Courses taken to fulfill the Physical Education activity requirement for graduation should be taken during the freshman and sophomore years. There is no prerequisite and no particular order in which they need be taken. Each class meets twice a week.

Physical Education 101. SWIMMING. Instruction and practice in the skills of swimming. *Every semester and every summer — 1 hour*

Physical Education 111. TENNIS. Instruction and practice in the fundamentals of tennis. *Every semester — 1 hour*

Physical Education 121. WEIGHTLIFTING AND FITNESS. Instruction and practice in the skills of weightlifting and of procedures necessary to maintain an accepted level of physical fitness. *Every semester — 1 hour*

Physical Education 131. TEAM SPORTS. Instruction and practice in softball, basketball, and volleyball. *Every semester — 1 hour*

Physical Education 201. BOWLING. Instruction and practice in the fundamentals of bowling. *Every semester — 1 hour*

Physical Education 231. ARCHERY. Instruction and practice in the fundamentals of archery.
Every semester — 1 hour

Physical Education 241. GOLF. Instruction and practice in stance, grip, stroke, teeing of the ball, and use of different clubs.
Every semester — 1 hour

Physical Education 213. RECREATIONAL ACTIVITIES. Games and contests for home, school, and community leisure time.
Every fall — 3 hours

Physical Education 243. HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION. A study of the aims and objectives of physical education, of its standards, ideals, principles and policies, and of the place of physical education in modern life. The history of physical education is also studied, emphasizing leaders of the past and present.
Every fall — 3 hours

Physical Education 273. RECREATION ADMINISTRATION. A study of the philosophy, scope, and basic values of recreation, its organization, and administration.
Every spring — 3 hours

Physical Education 282. PROFESSIONAL ACTIVITIES. Individual and dual sports. Skills in physical education activities for the physical education major and minor. (Three class periods per week.)
Every fall — 2 hours

Physical Education 292. PROFESSIONAL ACTIVITIES. Team sports. Skills in physical education activities for the physical education major and minor. (Three class periods per week.)
Every spring — 2 hours

Physical Education 313. KINESIOLOGY. A study of the location, mechanics, and action of the principal muscles of the body and their relation to the various types of physical skills. Prerequisites: Physical Education 243 and Health Education 353.
Every spring — 3 hours

Physical Education 323. PHYSICAL EDUCATION FOR ELEMENTARY GRADES. A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child.
Every spring and every summer — 3 hours

Physical Education 333. ATHLETIC COACHING, BASKETBALL. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.
Every spring — 3 hours

Physical Education 343. SPORTS OFFICIATING. A study of the rules and mechanics of officiating football, basketball, and baseball.
Every fall — 3 hours

Physical Education 363. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD. A course designed to develop methods and techniques of teaching the exceptional child in motor activities. Emphasis is also placed on the activities and programs to be included in the curriculum. *Every summer — 3 hours*

Physical Education 413. PHYSICAL EDUCATION IN SECONDARY SCHOOL. Designed for persons who plan to teach physical education at the high school level. Topics include classification of students, organization of classes, choice and selection of appropriate activities and materials, progression, and testing. Prerequisite: Physical Education 243. *Every fall — 3 hours*

Physical Education 423. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION. Designed for majors in physical education. Deals with possible administrative problems in departments of physical education in all types of educational institutions. Prerequisites: Physical Education 243 and 413. *Every spring — 3 hours*

Physical Education 391, 2, 3, 4. PRACTICUM. See page 77.

Physical Education 491, 2, 3, 4. INDEPENDENT STUDY. See page 77.

DRIVER EDUCATION

Driver Education 303. DRIVER EDUCATION. Preparation of candidates for secondary school instruction in driver education. Classroom and in-car techniques of teaching beginning drivers. Traffic laws, analysis of traffic accidents, and automobile operation. Lecture and lab. *Every fall — 3 hours*



Department of
HISTORY AND SOCIAL SCIENCES

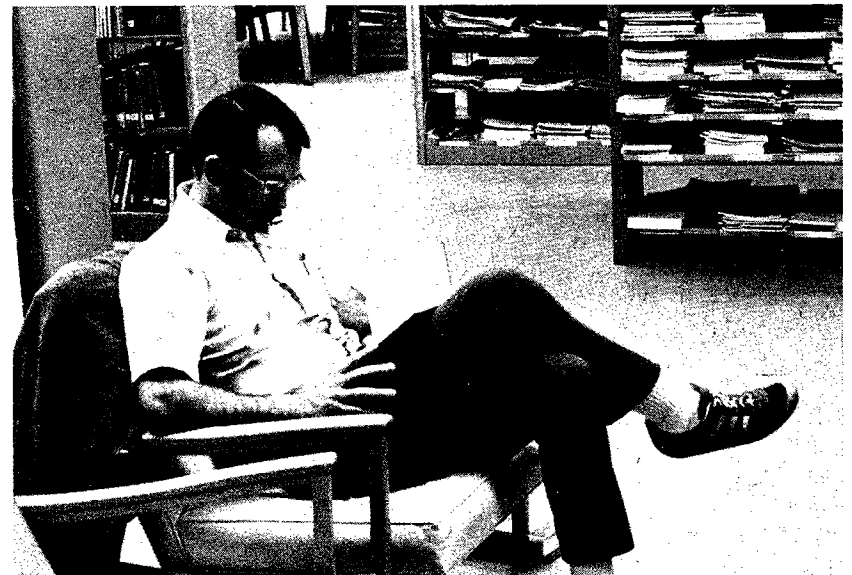
Geography

Government

History

Sociology

Criminal Justice



DEPARTMENT OF HISTORY AND SOCIAL SCIENCES

History and the social sciences are inseparably related. History is largely the record and analysis of the social and political changes and conditions of man. The chief problems before men today, as in all the past, are economic and social. These make up the leading political questions. Geographical factors of spatial relations and economic resources of the earth have always been closely related to the historical development of all peoples and to the interrelationships of various peoples. As the numbers of men increase upon the earth and as struggle for land and resources intensifies within and among nations, crime increases and the problem of criminal justice becomes more pressing.

Courses offered in this department are designed to equip students with basic knowledge and the sense of responsibility to function as effective citizens in an increasingly complex world, as well as to offer majors in some areas which will enable graduates who major in the department to enter advanced schools of professional preparation for teaching, social work, law, and criminal justice.

Requirements for a major in Behavioral Sciences**

(B.A. or B.S. Degree)

Sociology 213	3 hours
Sociology 313 or 323	3 hours
Psychology 213	3 hours
Philosophy 213	3 hours
Electives in Criminal Justice, or Electives in Psychology, or electives in Sociology	18 hours
Regardless of which of these three areas of concentration is chosen, at least 9 hours must be upper division courses.	

Requirements for a minor in Behavioral Sciences**

Sociology 213	3 hours
Sociology 313 or 323	3 hours
Psychology 213	3 hours
Philosophy 213	3 hours

Electives in Psychology or Sociology
(Upper division)

6 hours

**Not recommended for prospective teachers in secondary education.

Requirements for a major in History
(B.A. Degree)

History 113, 123, and 233	9 hours
History 213 and 223	6 hours
*Electives in History (12 hours upper division)	15 hours

*There may be electives of 6 hours from History 473, Government 313, 323, 333, 343.

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Requirements for a minor in History

History 113, 123, and 233	9 hours
History 213 and 223	6 hours
Upper division courses in History	6 hours

Requirements for a major in Social Studies**
(B.A. Degree)

History 113, 123, and 233	9 hours
History 213 and 223	6 hours
Sociology 213 and 223	6 hours
Government 303	3 hours
Economics 213	3 hours
Upper division courses in Social Studies	9 hours

**Not recommended for prospective teachers in secondary education.

Requirements for a minor in Social Studies

✓ History 113 and 123 or 123 and 233 or 213 and 223	6 hours
✓ Sociology 213	3 hours
✓ Government 303	3 hours
✓ Economics 213	3 hours
✓ Geography	3 hours

Requirements for a minor in Government

Government 303	3 hours
Electives in Government	15 hours

Requirements for a minor in Sociology

Sociology 213 and 223	6 hours
Electives in Sociology (6 hours upper division)	12 hours

Requirements for a minor in Criminal Justice

Criminal Justice 213, 223, 233	9 hours
Electives in Criminal Justice (minimum of 6 hours upper division)	9 hours

GEOGRAPHY

Geography 313. PHYSICAL GEOGRAPHY. A geographic study of climate, topography, drainage, soils, and plant and animal life and their influence on man and on the development of civilization. The course includes laboratory work and field trips. *Every summer — 3 hours*

Geography 333. WORLD GEOGRAPHY. A course for teachers. A study of the division of the physical environment and of the relationship of man to each division in the major geographic areas of the world. Curriculum and teaching techniques are stressed. *Every fall — 3 hours*

Geography 353. ECONOMIC GEOGRAPHY. (Also Economics 353.) A study of the commodities of agriculture, commerce, and industry, and the conditions which affect their production, exchange, and consumption. *Every spring — 3 hours*

GOVERNMENT

Government 303. FEDERAL AND ARIZONA GOVERNMENT. A basic course in American and Arizona Governments. The course is designed to give the student a broad outline of the workings of the governments and to lay the groundwork for further studies. This course meets the teacher certification requirement for American and Arizona government. *Every semester and every summer — 3 hours*

Government 313. COMPARATIVE GOVERNMENT. A comparative study of the organization and operation of selected governments in the world today, with special attention given to the Soviet Union, England, France, and the United States. Prerequisite: 6 hours of history or government.

Spring, 1979, and alternate years — 3 hours

Government 323. INTERNATIONAL RELATIONS. A study of the history of international politics, contemporary world power structure, and international law and organization. Prerequisites: 6 hours of history and government.

Fall, 1978, and alternate years — 3 hours

Government 333. EARLY POLITICAL THOUGHT. A study of the evolution of European and American political doctrines, with special attention given to 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, 1978, and alternate years — 3 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 to the study of socialism, communism, and fascism in the modern world. Prerequisite: Government 333 or sufficient work in history or philosophy to provide an adequate background.

Spring, 1979, and alternate years — 3 hours

Government 352. FEDERAL GOVERNMENT. The first half of Government 303, a survey of American Government. This half meets the teacher certification requirement for American Government.

Every semester and every summer — 2 hours

Government 362. ARIZONA GOVERNMENT. The second half of Government 303, a survey of Arizona History and Government. This half meets the teacher certification requirement for Arizona government.

Every semester and every summer — 2 hours

Government 393. AMERICAN DIPLOMATIC HISTORY. (Also History 393.) The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisite: 6 hours of history or government.

Spring, 1980, and alternate years — 3 hours

Government 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. (Also History 423.) A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. Prerequisite: 6 hours of history or government.

Spring, 1979, and alternate years — 3 hours

HISTORY

History 113. HISTORY OF CIVILIZATION I (TO THE RENAISSANCE).

Designed to introduce the student to the origin and early development of Western civilization, with attention given to the cultural, political, and socioeconomic factors. Non-Western civilizations are also considered. *Every semester — 3 hours*

History 123. HISTORY OF CIVILIZATION II (RENAISSANCE TO 1815). A continuation of History 113. The Renaissance and Reformation are studied and related to the transition from medieval to early modern culture. Attention is given to the rise of the centralized national state, to the rise and decline of absolutism, and to intellectual, political, and industrial revolutions of Europe and their impact upon the world into which Europe expanded. *Every semester — 3 hours*

History 233. HISTORY OF CIVILIZATION III (SINCE 1815). A continuation of History 113 and 123. A more detailed study of the swiftly changing tide of events that characterize the revolutionary world of today. Special attention is given to the evolving split between democracy and totalitarianism. Emphasis is placed on the role of the United States in the twentieth century. *Every semester — 3 hours*

History 213. EARLY AMERICAN HISTORY. A study of European expansion in America, the English colonies, colonial institutions, the American Revolution and Constitution, the launching of the new government nationalism and sectionalism, westward expansion, slavery, and the Civil War. *Every semester — 3 hours*

History 223. RECENT AMERICAN HISTORY. A continuation of History 213, dealing with problems in the wake of the Civil War, postwar expansion, the Industrial Revolution in America, transition to a world power, and domestic and foreign issues of the 20th century. *Every semester — 3 hours*

History 313. HISTORY OF ENGLAND TO 1815. A study of the origin and the development of the English people, with particular attention given to their political, social, economic, and cultural institutions and their interaction with continental Europe. Prerequisites: History 113 and 123, or permission of instructor.

Fall, 1978, and alternate years — 3 hours

History 333. THE RENAISSANCE AND REFORMATION. A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic and Counter Reformations; rise of nationalism and capitalism. Prerequisite: History 113. *Fall, 1979, and alternate years — 3 hours*

History 343. THE FRENCH REVOLUTION. A study of the Old Regime and French Enlightenment; political and social revolutions of 1789; the attempts of France to establish a stable government during the 1790's, the foreign war, the Terror, Robespierre and the Republic of Virtue; Napoleon Bonaparte and the First French Empire, their impact upon France and upon Europe; Waterloo and the Congress of Vienna. Prerequisites: History 113 and 123.

Spring, 1980, and alternate years — 3 hours

History 353. CHURCH HISTORY. (Also Religion 353.) A survey of the history of the various church groups through which the Christian religion has made its appeal to mankind and the world, with special emphasis upon the fragmentation of organized religion in the seventeenth century, the rise of the major Protestant groups, and the missionary activities of the nineteenth and twentieth centuries.

Every fall — 3 hours

History 373. LATIN AMERICAN HISTORY. A study of the conquest and development of Central and South America by the Spanish and the 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, 1980, and alternate years — 3 hours*

History 383. ECONOMIC HISTORY OF THE UNITED STATES. (Also Economics 383.) A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: Economics 213 and History 213 and 223.

Every fall — 3 hours

History 393. AMERICAN DIPLOMATIC HISTORY. See Government 393.

History 413. RUSSIA AND EASTERN EUROPE. A study of the Russian peoples and their rulers from the earliest times to the present, including 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. Prerequisites: History 113 and 123.

Fall, 1979, and alternate years — 3 hours

History 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. See Government 423.

History 433. NINETEENTH CENTURY EUROPE. A study beginning with the legacy of the French Revolution and extending to World War I. Attention is given to the new technology and the impetus it gave to the class struggle within nations, to international tensions between nations, and to the impact of Western civilization on the underdeveloped nations. Prerequisites: History 113 and 123.

Fall, 1978, and alternate years — 3 hours

History 443. TWENTIETH CENTURY EUROPE. A study of World War I and its aftermath in Europe; the peace treaties; interdependence of political and economic factors in the 20 years following, which contributed to the renewal of war; developments of World War II; and the United Nations and contemporary efforts to establish peace. Prerequisites: History 113 and 123.

Spring, 1979, and alternate years — 3 hours

History 473. THE TEACHING OF SOCIAL STUDIES. A methods course designed primarily for persons who are planning to teach history, political science, or related social studies subjects at the secondary level. Attention is given to the obtaining of material for presentation and to the effective methods of presentation. Prerequisites: History 113, 123, and 233 and junior standing.

Summer, 1978, and alternate years — 3 hours

History 491, 2, 3, 4. INDEPENDENT STUDY. See page 00.

Every semester

History 493. 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 20th century. Prerequisites: History 213 and 223.

Spring, 1979, and alternate years — 3 hours

SOCIOLOGY

Sociology 133. INTRODUCTION TO DATA PROCESSING. Same as Mathematics 133.

Sociology 213. PRINCIPLES OF SOCIOLOGY. A study of persons and their world: the social processes, including cooperation, conflict, accommodation, and assimilation and the means of social integration, including the various institutions such as the family, the school, the church, business, and the state.

Every fall — 3 hours

Sociology 223. SOCIAL PROBLEMS. (Also Environmental Science 223.) A general study of the problems caused by dependents, defectives, and delinquents, and by the existence of intemperance, war, family disorganization, crime, and poverty. Prerequisite: Sociology 213.

Every spring — 3 hours

Sociology 303. SOCIAL PSYCHOLOGY. (Also Psychology 303.) A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. Prerequisite: Psychology 213 or Sociology 213. *Every spring — 3 hours*

Sociology 313. CULTURAL ANTHROPOLOGY. (Also Environmental Science 313.) A study of social cultures which have developed in human society. Attention is given to primitive peoples in comparison with our own and other cultures. The origin and development of the cultures, their technologies, economies, social organizations, and beliefs are surveyed. *Every fall — 3 hours*

Sociology 323. HISTORY OF SOCIAL THOUGHT. A study of social thought from ancient to modern man. This course investigates the background of modern sociology as it has been influenced by outstanding social thinkers. Prerequisite: Sociology 213. *Every spring — 3 hours*

Sociology 333. MARRIAGE AND THE FAMILY. A sociological analysis of the family, designed to 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 adjustments necessary to successful marriage and family life. Prerequisite: Sociology 213 or junior standing. *Summer, 1978, and every fall — 3 hours*

Sociology 343. JUVENILE DELINQUENCY. A study of the extent and nature of juvenile delinquency: the social and personal factors related to the development of delinquent habits and the techniques for dealing with the delinquent and for redirecting youth behavior into more desirable patterns. Prerequisite: Sociology 213 or junior standing. *Summer, 1979, and every spring — 3 hours*

Sociology 353. THE AMERICAN COMMUNITY. (Also Environmental Science 353.) A comparative and interrelated study of rural and urban life, considering the physical, institutional, social, cultural, and economic factors of modern living. Prerequisite: Junior standing. *Every fall — 3 hours*

Sociology 383. DRUG ABUSE SEMINAR. (Also Health Education 383.) Information presented concerns the problems of drug abuse and approaches toward solutions of these problems. Pharmacology and epidemiology of drug use; psychological, legal, social and cultural implications; and principles of program planning. *Every spring — 3 hours*

Sociology 384. HUMAN ECOLOGY. See Environmental Science 384.

Sociology 391, 2, 3, 4. PRACTICUM. See page 77.

Every semester

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 blacks, Indians, Orientals, Mexicans, Jews, foreign-born, and war refugees are studied. The history and present status of American immigration policy are also considered.

Every fall — 3 hours

CRIMINAL JUSTICE

Courses in Criminal Justice are relatively new in undergraduate colleges. In view of the rising and urgent need for courses in this field, the following courses are listed in the catalog and will be taught by men now engaged in the profession. The courses are offered in the evening school, on demand.

Criminal Justice 213. INTRODUCTION TO THE PROCESSES OF CRIMINAL JUSTICE. An overview of the philosophy, development, constitutional limitations, and agencies of criminal justice. Attention is also given to an evaluation of contemporary processes of criminal justice. Prerequisite: Sociology 223 or permission of the instructor.

Every fall — 3 hours

Criminal Justice 223. INTRODUCTION TO CORRECTIONAL SCIENCE. Historical development of the American probation, penitentiary, parole, and court systems will be surveyed, as well as their relationship to one another and to society at large. Prerequisite: Criminal Justice 213 or permission of the instructor.

Every spring — 3 hours

Criminal Justice 233. CRIMINAL LAW. The philosophy and origins of our criminal statutes, both in Arizona and broadly on a national level. Classifications of types and levels of crimes are studied; the various penalties for each and by general types are reviewed. Elements of the offense, parties to it, and differing levels of involvement are noted. Prerequisites: Criminal Justice 213 and 223, or permission of instructor.

On demand — 3 hours

Criminal Justice 313. RULES OF EVIDENCE. The origin, development, and philosophy and legal basis of criminal evidence; constitutional and procedural considerations affecting arrest, search and seizure of offenders and their property. The kinds and degrees of evidence, and court (legal) rules governing admissibility of evidence; proper preservation of evidence to retain its admissibility. Some time

is given to studying specific court cases which set forth and interpret the individual's rights with respect to evidence. Prerequisite: Criminal Justice 213 or permission of instructor. *On demand — 3 hours*

Criminal Justice 323. JUSTICE SYSTEM STRUCTURE. An in-depth study and review of the constitutional, statutory and interpretive basis for operation of the various segments of the criminal justice system. The empowering acts for police, probation, courts, detention units, prisons, paroles and community-based corrections. Appellate court decisions serving to limit or expand the basic operations of these segments; administrative limitations and interpretations utilized; mutual agreement interpretations of functional roles reached through the organizations representing practitioners in these various segments are all studied to provide the student a basic understanding of what can be expected from each segment. Prerequisite: Criminal Justice 223 or permission of the instructor. *On demand — 3 hours*

Criminal Justice 333. COURT PROCEDURES. A study of the criminal court system, from the local justice or magistrate to the U.S. Supreme Court. Prerequisite: Criminal Justice 213, 223, and junior standing. *On demand — 3 hours*

Criminal Justice 343. PAROLE AND PROBATION PROCEDURES. A detailed study of the principles and philosophies governing the operation of these two systems of non-institutional treatment agencies; guidelines and administrative procedures. Alternatives to incarceration; types of individuals encountered and manner of adjusting programs to personality needs. Prerequisites: Criminal Justice 223 and junior standing. *On demand — 3 hours*

Criminal Justice 433. JUSTICE SYSTEM MANAGEMENT. Decision-making, organization, delegation of authority and commensurate responsibility, legal liabilities, budgeting problems, legislative compliance. Prerequisite: Junior standing. *Fall, 1980 — 3 hours*

Criminal Justice 443. INTERN PROGRAM IN CRIMINAL JUSTICE. Actual field exposure to a specific area of the field of criminal justice. On-the-job supervision will be supplied by an agency, with the course instructor serving as coordinator. Class evaluations at specified intervals during the program. Prerequisite: Criminal Justice 223. *On demand — 3 hours*

Criminal Justice 453. TECHNIQUES OF SUPERVISION. A review of the demands of a system handling criminal offenders, and its resultant expectations of both line and supervisory staff. Prerequisites: Junior standing and permission of instructor. *On demand — 3 hours*

Criminal Justice 463. TECHNICAL REPORT WRITING. Basic concepts of good reports, as adapted to the field of criminal justice. Study of the uses of reports; practical exercises in gathering information and writing reports. Prerequisite: Junior standing.
Fall, 1979 — 3 hours

Criminal Justice 473. SPECIAL PROJECTS IN CRIMINAL JUSTICE. A course designed for students who have worked for a verifiable period in a reliable criminal justice agency. The study will be tailored to individual needs and interests. Prerequisites: Criminal Justice 223, junior standing, and consent of instructor.
On demand — 3 hours





Department of
HUMANITIES

Art

English and Speech

Modern Languages

Art

English

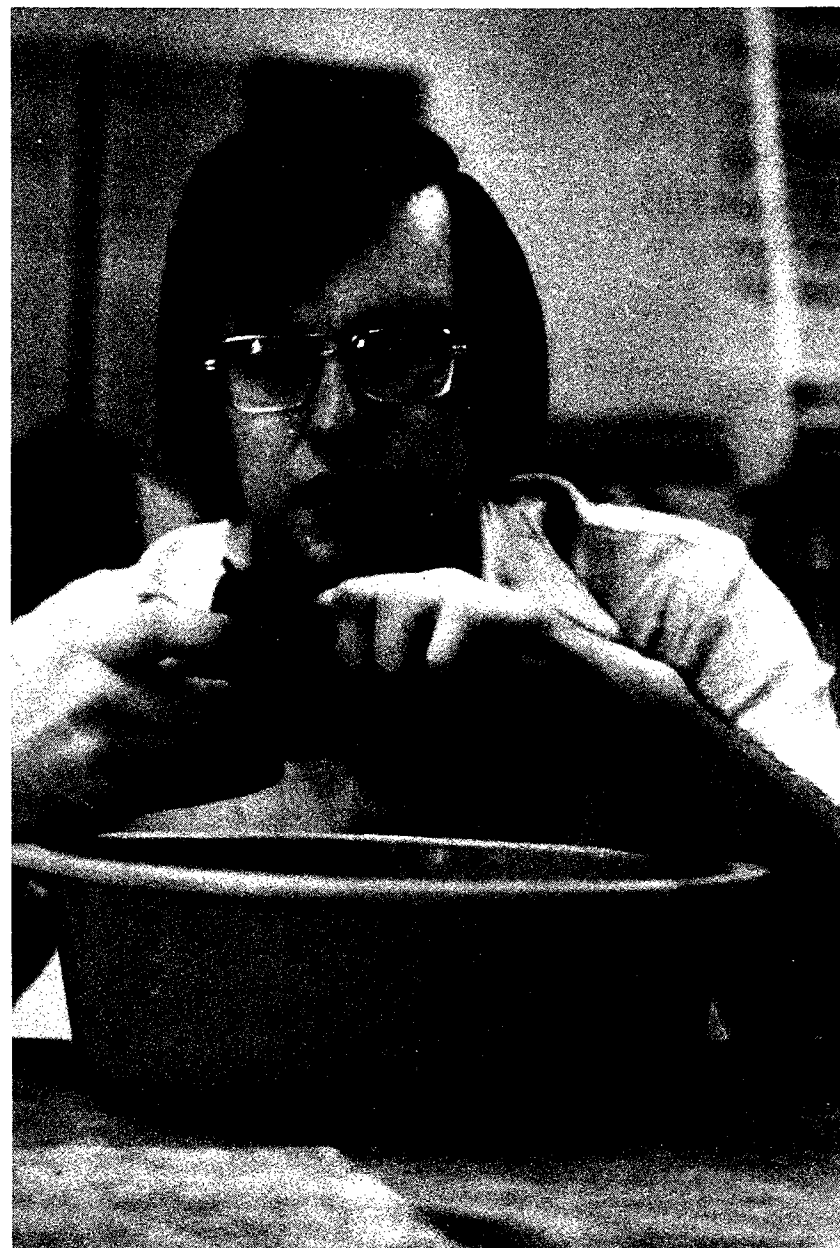
Speech

Drama

French

German

Spanish



DEPARTMENT OF HUMANITIES

Courses in the humanities aid students in the career of living by acquainting them with the highest expression of man's feelings and thoughts. Active contact with mankind's ideas and accomplishments provides the enrichment of mind necessary to living a full and satisfactory life. This contact also supplies knowledge vitally needed for survival in a complex and rapidly changing world. For this reason, emphasis is placed upon direct experience with literature, language, art, drama, speech, and writing.

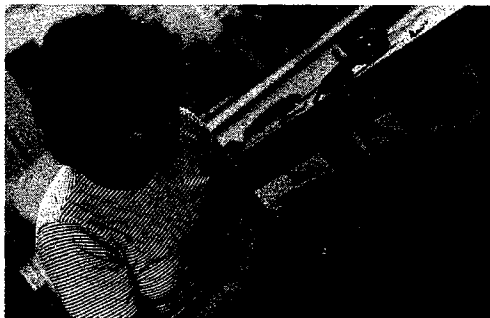
ART

Courses in the art department are designed to involve the student in active participation and to develop artistic skills in critical appreciation, historical understanding, the forming of art objects, and the teaching of art. All lower division courses are open to any student, with no prerequisite.

Requirements for a major in Art*

(B.A. Degree)

AH 333, 343 Art History I, II	6 hours
AH 353 American Art, or AH 363 Contemporary Art	3 hours
AH 373, 383 Aesthetics I, II	6 hours
AR 203 Drawing I	3 hours
DGN 243, 253 Two- and Three Dimensional Design	6 hours
AR 213, 223, 253, 263, 273, 283	6 hours
AR 303, 313, 323, 353, 363, 373, 383	3 hours
AR 431 Portfolio Competence	1 hour
AR 484 Studio Problems and Techniques	4 hours
DGN 484 Design Problems and Techniques	4 hours
	<hr/>
	42 hours



Requirements for a major in Art with emphasis on Teaching*

(B.A. Degree)

AH 333, 343 Art History I, II	6 hours
AR 183 Media and Methods of Art	3 hours
AR 203 Drawing I	3 hours
DGN 243, 253 Two- and Three-Dimensional Design	6 hours
AR 213, 223, 253, 263, 273, 283	12 hours
AE 303, 423 Art in Elementary and High School	6 hours
AE 443 Art Curriculum and Supervision	3 hours
Upper Division Art elective	3 hours
	<hr/> 42 hours

* Either major requires a minimum of 18 hours upper division courses.

~~For an additional~~ **minor is not required for secondary certification.**

Requirements for a minor in Art

AR 183 Media and Methods of Art	3 hours
AR 203 Drawing I	3 hours
DGN 243 Two-Dimensional Design	3 hours
DGN 253 Three-Dimensional Design	3 hours
AH 333, 343 Art History I, II; AH 353, 363 American Art, Contemporary Art	3 hours
Upper division elective	3 hours

 18 hours

Requirements for a teaching minor in Art

AR 183 Media and Methods of Art	3 hours
AR 203 Drawing I	3 hours
DGN 243, 253 Two- and Three-Dimensional Design	6 hours
AE 303 Art in the Elementary School	3 hours
AE 323 Crafts for the Elementary Teacher or	3 hours
AE 423 Art in the High School	3 hours
AH 333, 343, 353, 363	3 hours
Upper division elective	3 hours

 24 hours

*K-12
8 hours
of student
methods
classes
built
into
program*

*sequence
for
certification*

Art History

AH 112. INTRODUCTION TO ART. A brief introduction to the act of making quality judgments about art objects and situations. Special emphasis on the meaning of art as it relates to other personal interests of each individual. No credit for art major or minor.
Every semester — 2 hours

AH 333. ART HISTORY I. A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art to the Renaissance.
Fall, 1978, and alternate years — 3 hours

AH 343. ART HISTORY II. A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-classic, Romantic, and Modern epochs.
Spring, 1979, and alternate years — 3 hours

AH 353. AMERICAN ART. History of art in the United States from European settlement of the New World to today.
On demand — 3 hours

AH 363. CONTEMPORARY ART. Recent and current trends in art with special consideration of new concepts and experimentation with media and modes of presentation.
On demand — 3 hours

AH 373. AESTHETICS I. An introduction to aesthetics from historical, philosophical, and theoretical frames of reference. Provides an overview of major ideas relating to art and criticism from the time of Plato through prespace-age twentieth century.
Fall, 1979, and alternate years — 3 hours

AH 383. AESTHETICS II. An approach to contemporary concepts which have been prevalent in shaping the creation and criticism of art since 1950. Lectures, discussion groups, and independent research will guide the student in identifying problems, comparing ideas, and applying concepts to recent works of art.
Spring, 1980, and alternate years — 3 hours

Art Studio

AR 183. MEDIA AND METHODS OF ART. This course functions as a survey of various processes and materials of art for the student with limited experience. Consideration is given to the use of simple and inexpensive equipment which could be used in establishing a home art studio.
Every fall — 3 hours

AR 203. DRAWING I. Development of skills in basic techniques of drawing and their application to current systems of pictorial organization.
Every spring — 3 hours

AR 213. CRAFTS I. An exploratory approach to the designing and forming of contemporary crafts, such as copper enameling, macrame, batiking, off loom weaving, etc. *Fall, 1979, and alternate years — 3 hours*

AR 223. PRINTMAKING I. An introduction to the basic process of printmaking. Includes serigraphy, relief, and intaglio techniques. *Spring, 1979, and alternate years — 3 hours*

AR 253. JEWELRY I. A study of methods and procedures for making jewelry, including fabricating and casting processes. *Every spring — 3 hours*

AR 263. CERAMICS I. An introduction to the nature of clay and glazes, exploring the process of forming and techniques of surface treatment. *Every fall — 3 hours*

AR 273. SCULPTURE I. An introduction to the sculpting processes of carving, modeling, and fabricating, emphasizing volume, movement, and space. *Fall, 1978, and alternate years — 3 hours*

AR 283. PAINTING I. An introduction to the techniques and processes of painting, including composition, color, and technical skills of preparing and using equipment. *Spring, 1980, and alternate years — 3 hours*

AR 303. DRAWING II. Concentration on the development of skill in drawing techniques. Includes introduction to varied drawing materials and drawing in color. Prerequisite: AR 203. **Every spring — 3 hours*

AR 313. CRAFTS II. In-depth exploration of creative work in several craft media, including the basic process of using art metal. Prerequisite: AR 213. **Fall, 1979, and alternate years — 3 hours*

AR 323. PRINTMAKING II. Provides exposure in some depth to the process of printmaking. Prerequisite: AR 223. **Spring, 1979, and alternate years — 3 hours*

AR 332. _____ WORKSHOP. Designed to offer the student the opportunity to experience the use of a special process or medium in a workshop setting. May be repeated for credit under different medium titles. *On demand — 2 hours*

AR 353. JEWELRY II. Continued studio problems of jewelry-making methods and procedures. Prerequisite: AR 253. **Every spring — 3 hours*

AR 363. CERAMICS II. Continued studio problems in the process of forming clay, also glaze formulation and kiln firing. Prerequisite: AR 263. **Every fall — 3 hours*

AR 373. SCULPTURE II. Continued exploration of sculpting processes of casting, welding, and plastics. Prerequisite: AR 273.

** Fall, 1978, and alternate years — 3 hours*

AR 383. PAINTING II. Provides exposure in some depth to specific areas of the techniques and processes of painting. Prerequisite: AR 283.

** Spring, 1980, and alternate years — 3 hours*

AR 391, 2, 3, 4. PRACTICUM. The practicum is a supervised practical experience in the student's major area of interest. May be repeated for up to four hours total credit.

By arrangement — 1, 2, 3, 4 hours

AR 403. LIFE DRAWING. Development of skill in drawing the basic form, construction, and gesture, from the human figure; emphasizes anatomical structure. Prerequisites: DGN 243 and AR 303 or approval of instructor.

On demand — 3 hours

AR 431, 2, 3, 4. PORTFOLIO COMPETENCE. The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and resume. This course will also include inquiry into promotional, legal, and contractual arrangements for the artist.

By arrangement — 1, 2, 3, 4 hours

AR 481, 2, 3, 4. STUDIO PROBLEMS AND TECHNIQUES. Advanced studio problems in the medium of the student's choice. May be repeated for up to four hours total credit. Prerequisite: Approval of instructor only.

By arrangement — 1, 2, 3, 4 hours

AR 491, 2, 3, 4. INDEPENDENT STUDY. Research, seminar, or readings and conference on a special topic to be selected by the student and faculty advisor. May be repeated for up to four hours total credit.

By arrangement — 1, 2, 3, 4 hours

** Or by arrangement.*

Design Studio

DGN 243. TWO-DIMENSIONAL DESIGN. Basic principles of the structural aspects of graphic arts are explored in laboratory and lecture. Also explores the communicative value of visual images.

Every fall — 3 hours

DGN 253. THREE-DIMENSIONAL DESIGN. Explores basic principles of the structural aspects of plastic arts, with emphasis on the analysis of volume and space relationships.

Every spring — 3 hours

DGN 481, 2, 3, 4. DESIGN PROBLEMS AND TECHNIQUES. Advanced design problems in the medium of the student's choice. May be repeated for up to four hours total credit. By approval of instructor only.

By arrangement — 1, 2, 3, 4 hours

Art Education

AE 303. ART IN THE ELEMENTARY SCHOOL. Emphasis on self-understanding through the use of art, concurrent with the study of the art work of children of all ages from early childhood to mid-adolescence.

Every spring — 3 hours

AE 323. CRAFTS FOR THE ELEMENTARY TEACHER. Practical laboratory experiences stressing inexpensive and salvage materials that children can use. Combinations of materials and specific knowledge of papier-mache, collage, block printing, clay modeling, plaster carving, etc.

Every summer — 3 hours

AE 353. ART FOR THE SPECIAL CHILD. Emphasis on situations and materials designed to give special education students motor and visual perception experiences which are appropriate for the student's special learning problems.

On demand — 3 hours

AE 423. ART IN THE HIGH SCHOOL. Exploration of materials, theory, and organization for presenting art activities and development in the arts for students on the secondary school level.

Fall, 1979, and alternate years — 3 hours.

AE 443. ART CURRICULUM AND SUPERVISION. Exploration of theory, materials, organization, methods, and curriculum for the art educator or consultant. The art educator's responsibility in human relations and communications.

Fall, 1978, and alternate years — 3 hours

ENGLISH AND SPEECH

The instruction given in English has three objectives — two of them for every student who attends 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 that the student may acquire a command of clear and effective English, spoken and written, that will prepare one to assume a responsible position in the American community. The second objective is the development of the ability to read good literature with appreciation and enjoyment. The third objective, for the major in English, is a more specific study of the skills and knowledge involved in the first two objectives. The student who has majored in English should be

equipped to write effectively and imaginatively and should have a knowledge of the authors whose works illustrate the development of English and American language and literature.

Requirements for a major in English

(B.A. Degree)

The English major shall consist of English EL213 and EL223, and 24 additional hours, 15 of which must be upper division. English majors are strongly urged to include a foreign language in their program. French or German is preferred by most graduate schools, but Spanish is an excellent choice for those who reside in the West or who might plan to teach bilinguals. The upper division work in English must include one course from each of the following groups:

- I. (American Literature) English AL313, AL323
- II. (Type Courses) English TL303, TL333, TL353
- III. (Period Courses) English EL373, EL383, EL423, EL463
- IV. (Writing and Language) English EW343, LG363, EW483
- V. (Single Author Course) English EA433, EA443, EA453

Electives may include 3 hours of speech or drama.

Requirements for a teaching minor in English

(24 hours meet the North Central requirements for secondary school teachers)

English EW113 and EW123; English EL213 and EL223	12 hours
English AL313, AL323 (at least 3 hours recommended)	3 hours
Speech or drama course	3 hours
English EW343, LG363, EW483 (6 hours recommended)	6 hours
* English ET473	3 hours
	<hr/> 27 hours

* Students preparing to teach English at the secondary level are required to take English ET473. This may be substituted for High School Education 323 in meeting certification requirements.

Requirements for a minor in English

English EW113 and EW123; English EL213 and EL223	12 hours
Upper division courses in English	6 hours

Requirements for a minor in Communications**Group I**

Eng EW343 Advanced Composition	
Eng EW483 Seminar in Writing	6-9 hours
Eng LG 363 Advanced Grammar	

Group II

Speech 213 Group Discussion	
Speech 323 Voice and Diction	
Speech 333 TV and Radio Broadcasting	9-12 hours
Speech 343 Advanced Public Speaking	
Speech 353 Oral Interpretation of Literature	
	<hr/> 18 hours

Requirements for a major in Theatre-Speech

The Theatre-Speech major shall consist of 33 hours, 12 of which must be upper division. Course work should be chosen from the following groups:

I. Speech 113, 213, 343	3-9 hours
II. Drama 113, 243, 343	3-9 hours
III. Drama 213, 313	3-6 hours
IV. Speech 323, 353	6 hours
V. Drama 233, 433	6 hours
VI. Drama 253, 333, 413	3-6 hours

Requirements for a minor in Speech

Speech 113, 343	6 hours
Speech 323, 353	6 hours
Speech 213 and any performing drama course	6 hours

Requirements for a minor in Theatre

Drama 113	3 hours
Drama 233, 433	6 hours
Speech 113, 213, 343	3-9 hours
Drama 213, 313, 253	3-9 hours

ENGLISH

English Literature

English EL213. ENGLISH LITERATURE. A study of English literature from the Old English period through the Neo-classic period with consideration given to its social and biographical context. *Every fall — 3 hours*

English EL223. ENGLISH LITERATURE. A continuation of English EL213. Covers the period from the Romantic period to modern era. *Every spring - 3 hours*

English EL373. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY. A study of selections from the writers of the Restoration period through the 18th century. The most important prose and poetry of the period are examined. *Fall, 1978, and alternate years — 3 hours*

English EL383. THE ROMANTIC PERIOD IN ENGLISH LITERATURE. A Study of much of the poetry and prose produced in England between 1798 and 1832. *Fall, 1979, and alternate years — 3 hours*

English EL423. THE BRITISH NOVEL. A study of the development of the British novel from its origin to the present. *Spring, 1979, and alternate years — 3 hours*

English EL463. POETRY OF THE VICTORIAN PERIOD. A comparative study of the significant poets and poetry of the Victorian period. An attempt is made to interpret the temper and spirit of the age as well as the individuality and merit of each author. *Spring, 1980, and alternate years — 3 hours*

American Literature

English AL313. AMERICAN LITERATURE. A study of the background and national development of American literature. Emphasis is placed on the outstanding authors of each period and on their representative works. The colonial age and the period of the Republic through the middle of the nineteenth century are studied. *Fall, 1979, and alternate years — 3 hours*

English AL323. AMERICAN LITERATURE. A continuation of AL313. Emphasis is placed on the prose and poetry since the middle of the 19th century. *Spring, 1980, and alternate years — 3 hours*

English Writing

English EW113. GRAMMAR AND COMPOSITION. Designed to train students in the writing of clear and effective prose. The work involves a study of various expository techniques based on the students' readings. Frequent writing assignments including those drawn from library research are required.

Every semester and every summer — 3 hours

English EW123. COMPOSITION AND LITERATURE. A continuation of English EW113.

Every semester and every summer — 3 hours

English EW323. WRITING FOR PUBLICATION. A course designed for persons who want to translate the urge to write into a finished manuscript. The emphasis will be on non-fiction writing.

Every fall on demand — 3 hours

English EW343. ADVANCED COMPOSITION. A course for students interested in writing who wish to develop their skills in writing of fiction or non-fiction.

Spring, 1979, and alternate years — 3 hours

English EW483. SEMINAR IN WRITING. A course planned for students who have shown exceptional ability in writing and who are interested in independent research or creative writing. May be repeated for a maximum of 6 hours.

Spring, 1980, and alternate years — 3 hours

Language Grammar

English LG363. ADVANCED GRAMMAR. A study of syntax, form, and mechanics of English grammar in the light of its historical background.

Spring, 1979, and alternate years — 3 hours

Type Literature

English TL333. THE SHORT STORY. A study of the short story, its development, the different types, and the analysis of technique.

Spring, 1979, and alternate years — 3 hours

English TL303. CLASSICAL BACKGROUNDS OF ENGLISH LITERATURE. A study of English translations of works by Greek and Roman authors. The major epics, dramas, and poetry will be covered.

Summer, 1978, and alternate years — 3 hours

English TL353. CONTEMPORARY BRITISH AND AMERICAN POETRY. A study of representative poets of the 20th century. The trends and major influences are considered. Emphasis is placed on the more recent poets.

Fall, 1978, and alternate years — 3 hours

English Author

English EA423. SHAKESPEARE. A study of the major Shakespearean comedies and tragedies as well as Shakespeare's development as a dramatist.

Fall, 1979, and alternate years — 3 hours

English EA443. MAJOR AUTHOR SEMINAR. A study of the life and works of a significant literary figure, selected according to the instructor's areas of specialization.

Spring, 1980, and alternate years — 3 hours

English EA453. MILTON. A study of Milton's poetry and prose with special attention given to *Paradise Lost*.

Fall, 1978, and alternate years — 3 hours

English Teaching

English ET473. THE TEACHING OF ENGLISH. A methods course designed primarily for persons who are planning to teach English at the secondary level. Attention is given to content, but especially to the organization of material for effective presentation.

Every summer — 3 hours

SPEECH

The Department of English and Speech suggests that a major or minor in theatre-speech would be desirable for a student planning a career in the ministry, religious education, secondary education, law, social work, or public relations.

Speech 113. FUNDAMENTALS OF SPEECH. A basic course which emphasizes voice, diction, and basic principles of oral communication. It is normally prerequisite to all other courses in speech, drama, radio, and television.

Every semester — 3 hours

Speech 213. GROUP DISCUSSION. The study of the communicative process as it relates to the theory and techniques of group discussion. Participation in discussion groups. Prerequisite: Speech 113 or permission of instructor.

Every spring on demand — 3 hours

Speech 323. VOICE AND DICTION. A study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation.

Fall, 1978, and alternate years — 3 hours

Speech 333. TELEVISION AND RADIO BROADCASTING. (Also Drama 333.) An introduction to the psychology and techniques of television and radio programming and administration, with particular emphasis on scripting and pro-

ducing television and radio programs for actual broadcast. The course encompasses both performance and production elements: directing, announcing, acting, writing, music selection, recording techniques, and an introduction to F.C.C. regulations.

Spring, 1979, and alternate years — 3 hours

Speech 343. ADVANCED PUBLIC SPEAKING. An intense study of the techniques and practice of public speaking. Provision is made for participation in tournament speaking. Prerequisite: Speech 113 or permission of instructor.

Every fall on demand — 3 hours

Speech 353. ORAL INTERPRETATION OF LITERATURE. A study of the methods and techniques of interpretative oral reading of varied types of literature.

Spring, 1979, and alternate years — 3 hours



DRAMA

Drama 113. ACTING I. Principles of pantomime and dramatic action designed to establish the proper relationship of the voice to the body and its functions in the interpretation of character. Designed also to help develop coordination, grace, physical presence and facility in the actor, vocalist, teacher, athlete, and other persons involved in public performance. Two hours per week in studio work, and participation in productions. *Fall, 1978, Spring, 1980 and alternate years*

Drama 213. INTRODUCTION TO DRAMA. The study of dramatic structure, dramatic literature, period styles, and various types of drama. Actual dramatic experience is provided. *Fall, 1979, and alternate years — 3 hours*

Drama 233. STAGECRAFT AND THEATRICAL DESIGN. The study of set construction, scenery, lighting, and costuming. May be repeated for credit not to exceed six semester hours. *Every semester — 3 hours*

Drama 253. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. (Also Religion 253.) A creative Christian dramatics lab with opportunities to perform for churches and other groups. Emphasis on directing, selecting, and editing, as well as performing religious drama. The student may choose to write original drama with a Christian message or to correlate Christian drama with music. Ways and means of utilizing dramatic activity, organizing a drama group, and training the inexperienced within a church are studied. *Fall, 1979, and alternate years — 3 hours*

Drama 313. HISTORY OF THE THEATRE. Traces the major developments in theatre production from its known beginnings to modern times. *Spring, 1980, and alternate years — 3 hours*

Drama 333. TELEVISION AND RADIO BROADCASTING. See Speech 333. *Spring, 1979, and alternate years — 3 hours*

Drama 343. REPERTORY ACTING COMPANY. An advanced acting course that emphasizes the techniques of performing, staging, and the professionalism of the theatre. The company will tour various churches, schools, conventions, etc., in and out of state. Restricted to Theatre-Speech majors, this course may be repeated for credit not to exceed nine semester hours. *Every semester — 3 hours*

Drama 413. DIRECTING. A study of theories and techniques of interpreting and directing plays through lectures and demonstrations. Laboratory projects in directing one-acts or scenes from full-length plays for public performance. *Spring, 1980, and alternate years — 3 hours*

Drama 433. STAGE LIGHTING AND DESIGN. The art of designing scenery and lighting for the theatre. Students will actively participate in designing college productions and classroom projects. *Fall, 1980, and alternate years — 3 hours*

MODERN LANGUAGES

The study of modern languages enlarges the students' awareness and appreciation of other cultures by helping them to develop tools of language which will enable them to pursue new interests. The materials and methods of presentation employed by the department are grounded in the belief that there is a high degree of correlation between one's appreciation of other cultures and one's ability to use their languages.

Language courses should be taken consecutively.

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, the individual instructor determines the level at which students should begin their college languages.

Fourteen hours of one language (or equivalent) are recommended for B.A. degree programs.

Those planning to teach foreign language at secondary level must have 20 semester hours in each foreign language to which they are to be assigned. Additional information may be secured from faculty personnel.

Requirements for a minor in Spanish

Spanish 114, 124 Elementary Spanish	8 hours
Spanish 213, 223 Intermediate Spanish	6 hours
Spanish 343, 414	6 hours

French

French 114. ELEMENTARY FRENCH. A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading. *Every fall — 4 hours*

French 124. ELEMENTARY FRENCH. A continuation of French 114. Prerequisite: French 114 or equivalent. *Every spring — 4 hours*

French 213. INTERMEDIATE FRENCH. Review, composition, conversation, and extensive reading. Prerequisite: French 124.* *Every fall — 3 hours*

French 223. INTERMEDIATE FRENCH. A continuation of French 213.*

Every spring — 3 hours

German

German 114. ELEMENTARY GERMAN. A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.

Every fall — 4 hours

German 124. ELEMENTARY GERMAN. A continuation of German 114. Prerequisite: German 114 or equivalent.

Every spring — 4 hours

German 213. INTERMEDIATE GERMAN. Grammar reviews, conversation, composition, and the reading of suitable texts. Prerequisite: German 124.*

Every fall — 3 hours

German 223. INTERMEDIATE GERMAN. A continuation of German 213.*

Every spring — 3 hours

Spanish

Spanish 114. ELEMENTARY SPANISH. A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.

Every fall — 4 hours

Spanish 124. ELEMENTARY SPANISH. A continuation of Spanish 114. Prerequisite: Spanish 114 or equivalent.

Every spring — 4 hours

Spanish 213. INTERMEDIATE SPANISH. Grammar review, conversation, composition, and the reading of suitable texts. Prerequisite: Spanish 124.*

Every fall — 3 hours

Spanish 223. INTERMEDIATE SPANISH. A continuation of Spanish 213.*

Every spring — 3 hours

Spanish 343. SPANISH COMPOSITION THROUGH LITERATURE. A course designed to give the student practice in writing in Spanish about Spanish literature.

On demand — 3 hours

Spanish 413. Designed to expand the students' knowledge of Spanish literature and to advance their reading competence.

On demand — 3 hours

* Upon recommendation of the instructor, a student may enroll in intermediate language courses as 4-hour courses, in which case special projects will be required.



Department of
MUSIC

Department Regulations

Ensembles

Music Theory and History

Music Education

Instrumental Music

Organ

Piano

Voice

Church Music

DEPARTMENT OF MUSIC

Courses in the music department are open to non-majors or minors, depending upon proficiency and background, which may be determined by an audition or conference with instructors.

One hour of credit is given for each semester of vocal, instrumental, or piano ensemble. A combined maximum of six hours may be counted toward a degree, with not more than four hours in any one area.

Courses in applied music are very demanding, and students who major or minor in music or who elect to take courses in applied music should be aware at the time they enroll of the demands upon their time for practices and performance.

DEPARTMENT REGULATIONS

Participation in Group Performance

Seven semesters of participation for music majors and three semesters for music minors must be fulfilled in the major ensembles: Wind Ensemble, Orchestra, Oratorio, Choralaires, and Piano Ensemble. Majors may audit or participate as an extra-curricular activity in the smaller ensembles.

For non-majors or minors, elective credit (1 hour) may be given for such authorized smaller ensembles as Stage Band.

Choral Music

The Oratorio Society is an organization formed for the purpose of presenting an oratorio each semester. Membership is open to all students. Persons who enroll for Music 111 are members of the Society.

The Choralaires is an organization whose members are chosen by audition from the Oratorio Society. In addition to rehearsing with the parent group, the unit rehearses separately and presents concerts throughout the year in high schools, in churches, and on the campus, as well as on radio and television. The highlight of the year is the annual spring tour. The repertoire includes program selections from the better choral works of both sacred and secular music.

Instrumental Music

Wind Ensemble and Orchestra are open to all students who are reasonably proficient in playing an instrument and who desire to gain experience in the performance of the great masterpieces of band and orchestral literature. Students who qualify, by audition with the director, for membership in one of these groups will enroll in Instrumental Music III.

Recitals

All applied music students are expected to perform, at the discretion of the teacher, in recitals and studio workshops. Schedules and regulations governing these are furnished by the department to applied music students.

Junior Recital. As prerequisite to senior level work, a formal junior recital is required of applied music majors. Two or more students may combine their junior recital program.

Senior Recital. A formal senior recital, individually performed, is required of each degree candidate with an applied music concentration and must be completed not later than two weeks before commencement. A senior is one who is following the prescribed senior course, having completed all senior prerequisites, and who gives evidence of being able to complete his course of study within the year.

Application for Junior or Senior Recital. Application for a Junior or Senior Recital must be made during registration for the semester in which the recital is to be given. This is done by registering for and receiving either a Junior Recital or Senior Recital class card and paying the proper fee. (See page 25.)

If for some unforeseen reason the recital cannot be performed during that semester, a grade of I (incomplete) will be given, which requires re-registration (and payment of fee) the following semester. (See rule on removing Incomplete grades in General Academic Regulations, page 68.)

A student majoring in theory is required, in place of Junior and Senior Recitals, to submit acceptable original compositions.

Required attendance at Recitals. Full-time music majors are required to attend 75 percent of all music recitals, including junior and senior recitals; minors 50 per cent, and other applied music students 40 per cent.

A music major who is taking a total of less than 12 semester hours but more than 6 will attend 50 per cent of the recitals. One taking six hours or less will attend 40 per cent of recitals.

An unsatisfactory record in recital attendance must be made up by fulfilling the designated number of recital performances. This may be done at other college or university recitals and programs. Failure to have satisfactory recital attendance will result in postponed graduation until all unsatisfactory recital records have been removed from the student's permanent academic record.

Concert Attendance Requirement

Music and Music Education majors are required to attend at least three artist concerts each semester. Minors must attend two artist concerts and other applied students, one.

Public Performance

Groups and individual performers are frequently sent out in response to requests from churches, clubs, and schools. Students enrolled in applied music courses are encouraged, in consultation with their applied music instructors, to participate in public performances.

Private Lessons

Length of Lessons and Practice. In order to receive one hour of credit for organ, piano, voice, or orchestral instruments, the student is required to take one lesson of one-half hour duration each week and to practice a minimum of one hour daily, six days each week. For two hours of credit, two separate one-half hour lessons are scheduled and the practice time is increased to ten hours per week.

Absence from Private Lessons. Lessons missed because of the student's negligence are not made up. Lessons missed because of unavoidable circumstances or because of the absence of the instructor are made up at a time suitable to both persons. A student is expected to notify the instructor of an anticipated absence at least four hours before the scheduled lesson.

Change of Teacher or Concentration. A student who desires to change applied music teacher or concentration makes written request to the Chairman of the Department and a conference is scheduled with the music faculty.

Applied Music Jury Examination. All Music and Music Education majors and minors are required to perform before a jury of music faculty members for the final semester grade, which is determined by the quality of performance and evidence of growth exhibited in this examination.

Piano Proficiency Examination

A minimum keyboard proficiency level is required of all music education majors. The student must play all major scales and arpeggios, perform a sonatina movement and a Bach prelude, supply the harmony for a figured bass and accompaniment for a melody, play the national anthem and "America" from memory, and sight read a simple piece. This material is learned in the three-semester Class Piano sequence; but a student may, under special circumstances, petition to take a piano proficiency examination in lieu of Class Piano.

Placement of Transfer Students

For students who plan to major or minor in the Department of Music, credit in applied music, theory, ear training, and sight singing which is transferred from another institution must be validated by an examination by the Grand Canyon College music faculty.

Students with voice concentrations should register for class voice unless otherwise authorized by the instructor.

Student Teaching

The following music requirements must be completed prior to admission to student teaching in music.

1. Completion of the following tests:
 - a. Sight Singing Test
 - b. Conducting Tests (either choral or instrumental)
 - c. Piano Proficiency Examination (for all except organ or piano concentrations)
 - d. Instrumental Proficiency Examinations (brass, woodwinds, strings, and percussion)
 - e. Vocal Proficiency Examination (for instrumental concentrations only)
2. Completion of the following laboratory requirements:
 - a. Four semesters of credit for either choir, orchestra, or wind ensemble, plus three semesters from other ensembles.
 - b. For piano or organ concentrations, minimum of two semesters of laboratory in accompanying.
3. Music Ed. 333 and 413.
4. Satisfactory record in recital attendance.

Music Scholarships

Students on voice scholarships are required to participate in Choralaires unless otherwise informed by the choir director. All students who receive music scholarships are referred to page 34, special abilities scholarships.

DEGREE PROGRAMS

Requirements for a major in Music

(B.A. Degree)

A student who desires to earn a Bachelor of Arts degree with a major in Music may choose one of five fields of concentration:

1. Instrumental (orchestral) Concentration

Private Instrument	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Piano, Organ*	4 hours
Music 422***	2 hours
Wind Ensemble, Orchestra (4 semesters)	4 hours

2. Organ Concentration

Private Organ	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Organ 431	1 hour
Music 422***	2 hours
Ensemble (4 semesters, preferably Wind Ensemble, Orchestra, and Choral Music)	4 hours

3. Piano Concentration

Private Piano	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Music 422***	2 hours
Ensemble (4 semesters, 2 in Piano Ensemble)	4 hours

4. Theory Concentration

Music 114, 124, 214, 224, 313, 323, and 402	24 hours
Music 333 and 343	6 hours
Applied Music (at least 4 hours in piano, organ)	8 hours
Music 422***	2 hours
Ensemble (4 semesters, preferably Wind Ensemble, Orchestra, and Choral Music)	4 hours

5. Voice Concentration**

Voice	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Piano, organ*	4 hours
Choral Music (4 semesters)	4 hours

*Student must successfully complete the Piano Proficiency Examination.

**Courses in French or German are recommended.

***This course may be waived by passing a Music Literature Examination.

Requirements for a minor in Music

The student may choose one of the following fields of concentration:

1. Orchestral Instrument (no voice required)

Orchestral Instrument	4 hours
Piano, Organ	3 hours
Music 114	4 hours
Music Education 372	2 hours
Wind Ensemble, Orchestra	3 hours
Music 333	3 hours

2. Voice

Voice	4 hours
Piano, Organ	3 hours
Music 114	4 hours
Music Education 372	2 hours
Choral Music	3 hours
Music 333	3 hours

3. Piano or Organ

Piano, Organ	4 hours
Voice	3 hours
Music 114	4 hours
Music Education 372	2 hours

Choral Music, Wind Ensemble, Orchestra,	
Piano Ensemble	3 hours
Music 333	3 hours

Requirements for a major in Music Education

(For persons planning to teach public school music)

(B.S. Degree)

One who desires to work toward certification for teaching music in elementary or high school works toward the Bachelor of Science, following the General Education Program for Teacher Education as outlined on page 107. For the major in music education, one meets all the requirements listed below in Category I and the requirements in one of the fields of concentration listed in Category II. The student also meets the requirements for Elementary or Secondary Certificate (see pages 108-109) which, together with the requirements for the major in music education, will entitle the graduate to a K-12 Endorsement to teach music in public schools. Before being admitted to student teaching in music, one must also meet the Music Department prerequisites to student teaching (see page 157).

Category I (The student takes all of these courses.)

Music Education 333 and 413	6 hours
Music Education 211, 221, 231, and 241	4 hours
Music Education 372 and 382	4 hours
Music 114, 124, 214, 224	16 hours
Music 323	3 hours
<u>Music 333 and 343</u>	6 hours
Music 422*	2 hours
Guitar III	1 hour

Category II (The student selects one of these areas of concentration.)

1. Orchestral Instrument Concentration

Private Instrument	8 hours
Piano, Organ**	3 hours
Music Education 312	2 hours
Wind Ensemble, Orchestra, Band (7 semesters of participation)	4 hours
Choral Music (Participation recommended)	No credit

2. Organ Concentration

Private Organ	8 hours
Voice	3 hours
Music 313	3 hours

Methods
classes
built
into
program
but
well
student
value

Secondary
Secondary

- | | |
|--|-----------|
| Ensemble (7 semesters of participation, preferably in Choral Music, Wind Ensemble, or Orchestra) | 4 hours |
| 3. Piano Concentration | |
| Private Piano | 8 hours |
| Voice | 3 hours |
| Music 313 | 3 hours |
| Ensemble (7 semesters of participation, preferably in Piano Ensemble, Choral Music, or instrumental ensembles) | 4 hours |
| 4. Theory Concentration | |
| Music 313 and 402 | 5 hours |
| Music 333 and 343 | 6 hours |
| Applied Music (at least 3 hours in Piano, Organ)** | 8 hours |
| Ensemble (4 semesters, preferably in Piano Ensemble, Wind Ensemble, Orchestra, and Choral Music) | 4 hours |
| 5. Voice Concentration | |
| Voice | 8 hours |
| Voice Diction 101, 201*** | 2 hours |
| Piano, Organ** | 3 hours |
| Music Education 402 | 2 hours |
| Choral Music (7 semesters of participation) | 4 hours |
| Wind Ensemble, Orchestra (Participation recommended) | No credit |

*This course may be waived by passing an examination in Music Literature.

**Student must successfully complete the Piano Proficiency Examination.

***Taken concurrently with the first two semesters of voice.

Requirements for a minor in Music Education

The student may choose one of the following fields of concentration:

- | | |
|---|---------|
| 1. Orchestral Instrument Concentration | |
| Orchestral Instrument | 3 hours |
| Piano, Organ | 2 hours |
| Music 114 <i>theory</i> | 4 hours |
| Music Education 372 <i>conducting</i> | 2 hours |
| Music Education 333 or 413 <i>methods</i> | 3 hours |
| Music Education 211, 221, 231, or 241 <i>Instrument</i> | 2 hours |
| Wind Ensemble, Orchestra <i>Classes</i> | 3 hours |

2. Voice Concentration

Voice	3 hours
Piano, Organ	2 hours
Music 114	4 hours
Music Education 372	2 hours
Music Education 333 or 413	3 hours
Music Education 211, 221, 231, or 241**	2 hours
Choral Music	3 hours

3. Piano or Organ Concentration

Piano or Organ	3 hours
Voice	2 hours
Music 114	4 hours
Music Education 372	2 hours
Music Education 333 or 413	3 hours
Music Education 211, 221, 231, or 241**	2 hours
Choral Music, Wind Ensemble, Orchestra, Piano Ensemble	3 hours

** It is suggested that the student take, as electives, Music 422 and the two instrument courses which are not taken as requirements.

Requirements for a Major in Church Music**(B.A. Degree)**

This program is for those who plan a career as Minister of Music in the church. The student takes all courses in Category I and selects an area of concentration from Category II.

Category I. (The student takes all of these courses.)

Church Music 363, 373, 383, 392	11 hours
Music Ed. 333 Music in Elementary Grades	3 hours
Music Ed. 211, 221, 231, 241	2 hours
Music 114, 124, 214, and 224 (theory)	16 hours
Music Ed. 372, 382 (conducting)	4 hours
Music 313 Counterpoint	3 hours
Music 323 Form and Analysis	3 hours
Music 333, 343 Music History I, II	6 hours
Music 422 Music Literature***	2 hours
Guitar III Class Guitar	1 hour

Category II. (The student selects one of these areas of concentration.)

1. Voice Concentration

Voice (including 2 hours for Junior and Senior Recitals)	16 hours
Voice 101, 201 Voice Diction I, II	2 hours
Piano, Organ**	3 hours
Music Ed. 402 Vocal Methods and Pedagogy	2 hours
Choral Music (7 semesters)	4 hours
Wind Ensemble, Orchestra recommended	No Credit

2. Organ Concentration

Organ (Including Junior and Senior Recitals)	16 hours
Voice	3 hours
Choral Music (7 semesters of participation)	4 hours
Wind Ensemble, Orchestra (participation recommended)	No credit

3. Piano Concentration

Piano (including 2 hours for Junior and Senior Recitals)	16 hours
Voice	3 hours
Choral Music (7 semesters of participation)	4 hours
Wind Ensemble, Orchestra (participation recommended)	No credit

4. Orchestral Instrument Concentration

Private Instrument	14 hours
Junior and Senior Recitals	2 hours
Piano, Organ**	3 hours
Voice	3 hours
Wind Ensemble, Orchestra, Band (4 semesters of participation)	2 hours
Choral Music (3 semesters of participation)	2 hours



5. Theory Concentration

Music 402 Vocal Methods and Pedagogy	2 hours
Applied Composition†	6 hours
Applied Music (minimum of 4 hours in Voice, with other hours from Voice, Piano, Orchestral Instrument)	
Piano or Organ	3 hours
Ensemble Participation (5 semesters Choral, 2 semesters Instrumental)	3 hours

† A significant musical composition suitable for church and performed (i.e., cantata or several anthems) will serve as a recital unless student chooses to do an applied music recital.

* This course may be waived by passing an examination in music literature.

** Student must successfully complete Piano Proficiency Examination.

*** Taken concurrently with the first two semesters of voice.

MUSIC

Music 111. CHORAL MUSIC. Successive semesters of choral music. May be repeated for credit not to exceed four hours for credit toward graduation (see page 000). An oratorio or an opera is presented during the semester. Membership is open to all students. Students who sing in the Choralaires are selected by audition from those who are enrolled for Choral Music. The Choralaires have additional rehearsal periods.

Every semester — 1 hour

Music 112. FUNDAMENTALS OF MUSIC. A course designed to give an 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.

Every spring — 2 hours

Music 114. ELEMENTARY THEORY OF MUSIC. An integrated course in musicianship, including ear training, sight-singing, dictation, and written and keyboard harmony. Study is devoted to the structure of music for the purpose of developing skill in creative expression as well as skill in analyzing and understanding music being studied or performed. Designed for music majors and minors. Three hours of class work and two hours of laboratory. Prerequisite: A satisfactory score on the Freshman Theory Placement Examination which attests to the student's knowledge of the basic elements of music. The test is administered during orientation week.

Every fall — 4 hours

Music 124. ELEMENTARY THEORY OF MUSIC. A continuation of Music 114. Prerequisite: Music 114 (or equivalent).

Every spring — 4 hours

Music 214. ADVANCED THEORY OF MUSIC. Advanced study in partwriting, including chromatic and other non-harmonic tones; further study in sight-singing and dictation; and keyboard application of theoretical materials. Three hours of class work and two hours of laboratory. Prerequisite: Music 124 (or the equivalent). *Every fall — 4 hours*

Music 224. ADVANCED THEORY OF MUSIC. A continuation of Music 214. Prerequisite: Music 214 (or equivalent). *Every spring — 4 hours*

Music 252. MUSIC APPRECIATION. Designed to contribute to the intellectual, emotional, and aesthetic understanding of music as expression, as science, and as an art closely akin to all other fine arts. Great works of music are heard in the hope that the student will gain some insight into music's inner workings and that he will develop a discriminating and intelligent appreciation of the best in music. *Every semester and every summer — 2 hours*

Music 313. COUNTERPOINT. A practical study of 16th to 18th century counterpoint in its various species in two to four part writing. Reference is made to early polyphonic music as background. Students write inventions and fugues in manner of J. S. Bach. Prerequisite: Music 224. *Every fall — 3 hours*

Music 323. FORM AND ANALYSIS. A study of the various structure forms in musical composition, from motive, phrase and period, through binary and ternary forms to the most complex, such as variation, rondo, and sonata forms. Works of the masters are analyzed from the standpoint of form. Prerequisite: Music 224. *Every spring — 3 hours*

Music 333. MUSIC HISTORY I. A survey of music from primitive times to the middle of the 18th century A.D. 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 are studied. *Every fall — 3 hours*

Music 343. MUSIC HISTORY II. A continuation of Music 333 from the 18th century to modern times. Study is devoted to the art song, the nationalist schools, the principal composers of the classical, romantic, and modern periods, and masterpieces of these periods. *Every spring — 3 hours*

Music 402. MODERN HARMONY. An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing. *Every spring — 2 hours*

Music 422. MUSIC LITERATURE. A survey of music literature including master-works of chamber music, symphony, concerto, choral music, and opera, with emphasis on style and aesthetics. Prerequisites: Music 333 and 343.

Every fall — 2 hours

MUSIC EDUCATION

Music Education 211. BRASS INSTRUMENT CLASS. A practical study of the high and low brass instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

Every fall — 1 hour

Music Education 221. STRING INSTRUMENT CLASS. A practical study of the high and low string instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

Every spring — 1 hour

Music Education 231. WOODWIND INSTRUMENT CLASS. A practical study of the high and low woodwind instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

Every spring — 1 hour

Music Education 241. PERCUSSION INSTRUMENT CLASS. A study of the principal percussion instruments. The student learns the basic rudiments of each instrument and how to care for it, as well as how to teach it. Prerequisite: Sophomore standing.

Every fall — 1 hour

Music Education 302. MINISTRY OF MUSIC. A survey of materials and methods for the entire church choir program, including all age groups. Special attention is given to organization problems.

Summer, 1979, and alternate years — 2 hours

Music Education 312. INSTRUMENTAL MUSIC ORGANIZATIONS. An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and equipment, library, uniforms, inventory, tests and measurements, and finance.

Every fall — 2 hours

Music Education 333. MUSIC IN THE PRIMARY AND ELEMENTARY GRADES. A 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.

Every fall — 3 hours

Music Education 372. CHORAL CONDUCTING. A study of the fundamentals and techniques of conducting hymns, anthems, and other choral music. Problems of directing vocal groups are studied. Prerequisite: Junior standing or consent of instructor. *Every fall — 2 hours*

Music Education 382. ADVANCED CONDUCTING. A continuation of Music Education 372, but with more attention given to instrumental music. Includes a study of choral and instrumental literature. Emphasis is placed on score reading, artistic interpretation and the conducting of marches, overtures, symphonies, etc. Prerequisite: Music Education 372. *Every spring — 2 hours*

Music Education 402. VOCAL METHODS AND PEDAGOGY. A study of skills for the teaching of voice to individuals or groups. Vocal problems are analyzed and corrected. *Every fall — 2 hours*

Music Education 413. MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOLS. A study of methods for developing and conducting the music program in junior and senior high school, including the organization of choruses and glee clubs, the classification of voices, the development of music appreciation, the selection of music literature, etc. Prerequisite: Music 112 or consent of instructor. *Every spring — 3 hours*

INSTRUMENTAL MUSIC

Instrumental Music 111. WIND ENSEMBLE. Provides experience in the performance of music written for wind and percussion instruments. May be repeated for credit not to exceed four hours toward graduation (see page 164). *Every semester — 1 hour*

Instrumental Music 111. ORCHESTRA. Provides experience in the performance of music written for the string and full orchestra. Up to four hours credit toward graduation (see page 164). By audition. *Every semester — 1 hour*

Instrumental Music 111. STAGE BAND. Performance of concert literature written for the stage band. For credit or audit, not to exceed four hours toward graduation (see page 164). *Every semester — 1 hour*

Guitar 111. CLASS GUITAR.

Every semester — 1 hour

Instrumental Music 131, 132, 331, 332. PRIVATE ORCHESTRAL INSTRUMENT. Successive semesters of private instruction in an orchestral instrument. A study of fundamentals of tone production, scales, and technique for playing the

instrument of the student's choice. Solo selections for the instrument from recognized composers are studied. Course number and amount of credit are based upon the amount of instruction and practiced required.

Every semester — 1 hour or 2 hours

ORGAN

Students normally must have completed approximately six years of piano study or the equivalent before they begin the study of organ. Such preparation should include a knowledge of the major and minor scales, Bach Inventions, easier sonatas of Mozart and Beethoven, and compositions by romantic and modern composers.

Organ 111. CLASS ORGAN. Class instruction in elementary organ for students with no previous organ training. *Every fall — 1 hour*

Organ 121. CLASS ORGAN. A continuation of Organ 111.

Every spring — 1 hour

Organ 131, 132, 331, 332. PRIVATE ORGAN. Successive semesters of private instruction in organ. A study of organ technique, including hymn and service playing. Repertoire progressively includes works by Bach, Bonnet, Mendelssohn, Dupre, Franck, Brahms, Reubke, Vierne, and modern composers. Attention is ultimately given to accompaniment for solos, cantatas, etc., and preparation for junior and senior recitals. Course number and amount of credit are based upon the amount of instruction and practice required. *Every semester — 1 hour or 2 hours*

Organ 431. ORGAN LITERATURE AND ACCOMPANIMENT. Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignment for accompanying a choir is given the student. Prerequisite: Two years of college organ. *1 hour*

PIANO

Piano 101. PREPARATORY PIANO. Successive semesters of private piano instruction for persons with no previous piano training. Equivalent amount of class piano may be substituted for the first two semesters. *Every semester — 1 hour*

Piano 111. CLASS PIANO. Class instruction in elementary piano for music majors with no previous piano training. Emphasis is on meeting requirements of the Piano Proficiency Examination. *Every fall — 1 hour*

Piano 121. CLASS PIANO. A continuation of Piano 111. *Every spring — 1 hour*

Piano 131, 132, 331, 332. PRIVATE PIANO. Successive semesters of private instruction in piano. A study of piano technique, including major and minor scales in octaves, scales in thirds, sixths, and tenths, broken chord exercises, and arpeggios in sevenths. Literature studied includes works by Bach, Mozart, Chopin, Debussy, Beethoven, Prokofiev, and other classic, romantic, and modern composers. Preparation is ultimately made for junior and senior recitals. Course number and amount of credit are based upon the amount of instruction and practice required.

Every semester — 1 hour or 2 hours

Piano 431. PIANO ENSEMBLE. Provides experience in playing piano literature written for four hands and literature for two pianos. Open to qualified students. Two semesters are required of all piano majors. May be repeated for credit not to exceed two hours, and not to exceed six hours in combination with Wind Ensemble and Choral Music.

Every semester — 1 hour

VOICE

Voice 111. CLASS VOICE I. Class instruction in the fundamentals of correct breathing, tone production, and diction. A laboratory course, designed for students with little or no previous voice training, to aid in developing vocal ability. Repertoire includes elementary songs.

Every fall — 1 hour

Voice 121. CLASS VOICE II. A continuation of Voice 111.

Every spring — 1 hour

Voice 131, 132, 331, 332. PRIVATE VOICE. Successive semesters of private instruction in voice. A study of vocal technique, including fundamentals of voice production, principles of breathing, study of vowels, and essentials of tone production. The technique progressively includes studies of diatonic and chromatic scales, legato, staccato, phrasing, tone color, diction, style and interpretation. Preparation is ultimately made for junior and senior recitals. Course number and amount of credit are based upon amount of instruction and practice required.

Every semester — 1 hour

Voice 101. VOICE DICTION I. A laboratory devoted to phonetic sounds of English and Italian, aimed at enhancing the ability to sing in these languages.

Every fall — 1 hour

Voice 201. VOICE DICTION II. Same procedure as Voice 101, except devoted to French and German.

Every spring — 1 hour

Voice 141. VOCAL FOUNDATIONS BY TAPE. An extension course with instruction on cassette tapes. Unclassified or non-resident students who are interested in receiving voice instruction by this medium may write to the chairman of the Music Department for further information.

CHURCH MUSIC

Church Music 363. LITERATURE AND WORSHIP. A survey of choral literature for the church, i.e., anthems, solos, cantatas, and oratorios, and the relation of these to the elements of worship. *On demand — 3 hours*

Church Music 373. CHURCH MUSIC HISTORY. Survey of music in the ancient world, the music of early Christian liturgy, the emergence of polyphonic and homophonic forms in western music. *On demand — 3 hours*

Church Music 383. CHURCH MUSIC SEMINAR (Practicum). Music drama productions, basic electronic media skills, handball methods, lectures by outstanding guest authorities. The student will spend an internship of eight weeks in a local church with an eligible minister of music, observing and putting into practice graded choir techniques. *On demand — 3 hours*

Church Music 392. HYMNOLOGY AND LITURGY. A study of the Christian hymns of all periods, their authors and music, and their historical-religious backgrounds. Special emphasis on the creative use of worship. *On demand — 3 hours*



Department of
**NATURAL SCIENCES
AND MATHEMATICS**

Biology

Chemistry

Earth Science

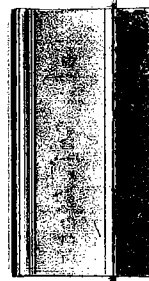
Environmental Science

Outdoor Living

Physics

Mathematics

Computer Science



DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

The Department of Natural Sciences and Mathematics, 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. It stresses the spirit and method of science and the concepts and contributions of mathematics. It focuses attention on the social, economic, and political implications of these areas of knowledge and endeavor.

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

Competency Examination in Major Area

A comprehensive written and oral examination in the student's major area is given by the faculty of the Department of Natural Sciences and Mathematics. Students majoring in science or mathematics must complete this examination prior to registration for the final semester.

Requirements for a major in Biology

(B.S. Degree)

Biology 114 Botany or 214 Zoology	4 hours
Biology 234 Microbiology	4 hours
Biology 324 Genetics	4 hours
Electives in Biology	18 8 hours
Chemistry 114, 124 General Chemistry	8 hours
Physics 144 or 124	4 hours
Math elective	3 hours

Requirements for a minor in Biology*

Biology 114 Botany or 214 Zoology	4 hours
Biology 324 Genetics	4 hours
Electives in Biology	<u>10 hours</u>

Pre-Professional Programs

Students who plan to apply for admission to medical, dental, pharmacological, or veterinary schools should complete the following courses, regardless of their major:

Chemistry 114, 124 General Chemistry	8 hours
Chemistry 324, 334 Organic Chemistry	8 hours

Biology 214 Zoology	4 hours
Physics 124, 144	8 hours

The following courses are recommended although not required by many professional schools:

Biology 234 Microbiology	4 hours
Biology 324 Genetics	4 hours
Biology 334 Human Physiology	4 hours
Biology 353 Human Anatomy	3 hours
Chemistry 314 Analytical Chemistry	4 hours
Chemistry 354 Biochemistry	4 hours
Chemistry 424, 434 Physical Chemistry	4 hours
Mathematics 153, 163 Calculus I, II	3 hours
Modern Language	8 hours

Requirements for a major in Chemistry

(B.S. Degree)

Chemistry 114, 124 General Chemistry I, II	8 hours
Chemistry 324, 334 Organic Chemistry I, II	8 hours
Chemistry 314 Analytical Chemistry	4 hours
Chemistry 354 Biochemistry	4 hours
Chemistry 424, 434 Physical Chemistry I, II	8 hours
Mathematics 153, 163 Calculus I, II	6 hours
Physics 124 Modern Physics	4 hours
Physics 144 Physics for Liberal Arts	4 hours

Requirements for a minor in Chemistry*

Chemistry 114, 124 General Chemistry I, II	8 hours
Chemistry 324, 334 Organic Chemistry I, II	8 hours
Elective in Chemistry	4 hours

Requirements for a major in Environmental Science

(B.S. Degree)

Environmental Science 264 Ecology and Conservation	4 hours
Environmental Science 364 Atmospheric Science	4 hours
Environmental Science 374 Aquatic Ecology	4 hours
Environmental Science 384 Human Ecology	4 hours
Electives in Environmental Science	14 hours

Requirements for a minor in Environmental Science*

Environmental Science 264 Ecology and Conservation	4 hours
Environmental Science 384 Human Ecology	4 hours
Electives in Environmental Science	10 hours

Certificate of Competency in Outdoor Living

A variety of outdoor activities is offered for credit during the summer season: backpacking, camping, river running, food, first aid, organization and administration, poisonous plants and animals, mapreading, and wilderness law.

A Certificate of Competency in Outdoor Living will be awarded for the completion of 18 hours of approved outdoor credit.

Requirements for a minor in Earth Science*

Earth Science 304 Astronomy	4 hours
Earth Science 314 Geology	4 hours
Earth Science 364 Atmospheric Science	4 hours
Electives in Earth Science	6 hours

Requirements for a minor in Physical Science*

Chemistry 114 General Chemistry	4 hours
Physics 144 or 124	4 hours
Physical Science electives	10 hours

Requirements for a major in Mathematics

(B.S. Degree)

Mathematics 153, 163, 223, 233	
Calculus I, II, III, IV	12 hours
Mathematics electives	
from 213 and upper division	18 hours
Computer Science (upper division)	3 hours

Requirements for a minor in Mathematics*

Mathematics 153, 163 Calculus I, II	6 hours
Electives from Math. 123, 213, 223, 233, or	
Computer Science (3 hours)	6 hours
Upper division electives in Mathematics	6 hours

Spring Semester

Bible 123	History elective 3	Env. Sci. 374	Env. Sci. elective 4
English 123	P.E. activity 1	Env. Sci. elective 4	
P.E. activity 1	Env. Sci 384	Math elective 3*	
Biology 114*	Chemistry 124*		

Mathematics Major**Fall Semester**

Bible 113	History elective 3	Art or Music 2	Math 333 or 433
English 113	P.E. activity 1	Math 333 or 433	Math 383***
P.E. activity 1	Math 223	Math 373*	
Science 111	Math 213*		
Math 153	Computer Sci. 3		
Chem 114 or Physics 124**			

Spring Semester

Bible 123	History elective 3	Math 343 or 413	Math 343 or 413
English 123	P.E. activity 1	Math 363	
P.E. activity 1	Math 233		
Math 163			
Chem 124 or Physics 144**			

*suggested

**suggested related fields courses

***suggested for secondary teachers

MATH-SCIENCE FOR GENERAL STUDIES

The purpose of the Scientific Foundations of Life in General Studies (see p. 84) is to provide each student with the opportunity to study the basic concepts of science and mathematics as they apply to everyday life, and to study in depth in at least one area of science through the completion of a laboratory experience. A student may accomplish these goals through the successful completion of Science 114 and any laboratory science course.

Math or Science majors should take Science 111 instead of Math 114.

Mathematics 114. MATH-SCIENCE CONCEPTS. A study of the historical and philosophical foundations of mathematics and science and the application of these concepts in contemporary society. *Every semester and every summer — 4 hours.*

Science 111. HISTORY AND PHILOSOPHY OF SCIENCE. A survey of the major historical events in the development of the life sciences, physical sciences, mathematics, and philosophy. Consideration of the basic philosophical nature of science and mathematics and the understanding and use of the scientific method. For Science or Math majors only, to be taken in lieu of Math 114.

Every semester and every summer — 1 hour

BIOLOGY

The biology course offerings provide opportunity to study one or more areas of life science in depth as electives or as partial fulfillment of the general studies requirements. The student who completes a biology major will be prepared for a career in general biology, for graduate study in biology, or for teaching biology at the secondary school level. With additional work in chemistry and mathematics, the biology major is prepared for professional schools of medicine or health sciences, for careers as medical assistants, laboratory technicians, or other paramedical vocations.

Biology 114. GENERAL BOTANY. An introduction to the basic principles of living matter through a study of the functions of plants. Laboratory work includes use of the microscope and experiments illustrating plant phenomena. Life cycles of representative species are studied.

Every semester — 4 hours

Biology 214. GENERAL ZOOLOGY. Basic principles of living matter are examined through a study of animal life including both vertebrates and invertebrates. Laboratory exercises include observations and dissections of representative specimens.

Every semester — 4 hours

Biology 234. MICROBIOLOGY. (Also Environmental Science 234.) An introduction to the principles and applications of microbiology, with a study of the general characteristics of microorganisms and their relation to man. Laboratory exercises include techniques used in identifying and handling microorganisms. Prerequisite: Biology 114 or 214.

Every spring — 4 hours

Biology 264. ECOLOGY AND CONSERVATION. See Environmental Science 264.

Biology 324. GENETICS AND EUGENICS. (Also Environmental Science 324.) A study of the principles of heredity including molecular aspects, basic Mendelian genetics, eugenics, and population genetics. Laboratory experiences are provided to illustrate genetic principles using *Drosophila melanogaster* and other materials. Prerequisite: Biology 114 or 214.

Fall, 1979, and alternate years — 4 hours

Biology 334. HUMAN PHYSIOLOGY. A study of the functions of each of the systems of the human body. Laboratory exercises emphasize basic physiological principles. *Every spring — 4 hours*

Biology 353. ANATOMY AND PHYSIOLOGY. See Health Ed. 353.

Biology 354. MOLECULAR BIOLOGY. See Chemistry 354. BIOCHEMISTRY.

Biology 374. AQUATIC ECOLOGY. See Environmental Science 374.

Biology 384. HUMAN ECOLOGY. See Environmental Science 384.

Biology 434. ADVANCED BIOLOGY. A study of the advanced principles of biology. According to demand, a study is made from the following: vertebrate zoology, entomology, parasitology, or embryology. Laboratory studies will center around the particular study of biology emphasized. *Every fall — 4 hours*

Biology 391, 392, 393, 394. PRACTICUM. See page 74. *Every semester*

Biology 491, 492, 493, 494. INDEPENDENT STUDY. See page 74. *Every semester*

CHEMISTRY

Chemistry 114. GENERAL CHEMISTRY. Principles of modern chemistry. Topics include atomic theory, chemical bonding, stoichiometry, equilibria, and the properties of matter in various physical states. Prerequisite: High school algebra. *Every fall — 4 hours*

Chemistry 124. GENERAL CHEMISTRY. Continuation of Chemistry 114. Topics include thermodynamics, kinetics, electrochemistry, descriptive chemistry of the elements, and introductions to organic and biochemistry. Prerequisite: Chemistry 114. *Every spring — 4 hours*

Chemistry 314. ANALYTICAL CHEMISTRY. Principles of quantitative and instrumental analysis. Topics include titrimetric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. Prerequisite: Chemistry 124. *Fall, 1978, and alternate years — 4 hours*

Chemistry 324. ORGANIC CHEMISTRY. Synthetic, structural, mechanistic, and spectroscopic aspects of aliphatic and aromatic carbon compounds are covered. Prerequisite: Chemistry 124 or permission of instructor. *Every fall — 4 hours*

Chemistry 334. ORGANIC CHEMISTRY. Continuation of Chemistry 324. Topics include chemistry of the functional groups and biochemical processes. Prerequisite: Chemistry 324. *Every spring — 4 hours*

Chemistry 354. BIOCHEMISTRY. (Also Biology 354, Molecular Biology.) A study of the molecular basis of life, including the chemistry of living systems. Prerequisite: Chemistry 324. *Spring, 1979, and alternate years — 4 hours*

Chemistry 424. PHYSICAL CHEMISTRY. A study of the physical and chemical behavior of gases, liquids, solids, and solution. Treatment includes thermodynamics, electrochemistry, and kinetic molecular theory of ideal and non-ideal cases. Prerequisite: Mathematics 163. *Fall, 1979, and alternate years — 4 hours*

Chemistry 434. PHYSICAL CHEMISTRY. Continuation of Chemistry 424. Development of modern atomic theory with emphasis on quantum theory and molecular spectroscopy. Prerequisite: Chemistry 424. *Spring, 1980, and alternate years — 4 hours*

Chemistry 391, 392, 393, 394. PRACTICUM. See page 74. *Every semester*

Chemistry 491, 492, 493, 494. INDEPENDENT STUDY. See page 74. *Every semester*

EARTH SCIENCE

The earth science courses provide opportunity for all students to study one or more areas of earth science as an elective or as partial fulfillment of the general education requirements.

The earth science minor is primarily for those planning to teach earth science at the secondary level.

Earth Science 264. ECOLOGY AND CONSERVATION. See Environmental Science 264.

Earth Science 304. ASTRONOMY. (Also Environmental Science 304.) A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the non-scientific student, designed to develop an appreciation and understanding of the natural laws of the universe. Field experiences are included. *Every spring — 4 hours*

Earth Science 314. GENERAL GEOLOGY. (Also Environmental Science 314.) An introduction to physical and historical geology with an emphasis on the geology of Arizona. Attention is given to the relation of geology to man's cultural and economic development. Field and laboratory experiences are included.

Every spring — 4 hours

Earth Science 364. ATMOSPHERIC SCIENCE. See Environmental Science 364.

Earth Science 374. AQUATIC ECOLOGY. See Environmental Science 374.

Earth Science 391, 392, 393, 394. PRACTICUM. See page 74. *Every semester*

Earth Science 491, 492, 493, 494. INDEPENDENT STUDY. See page 74.
Every semester

ENVIRONMENTAL SCIENCE

The study of environmental science is highly interdisciplinary in nature; therefore, many of the courses in environmental science are offered through other departments of the College. The four courses listed in Requirements for a major in Environmental Science (p. 179) constitute the foundation of the environmental science major. Electives may be selected from several other disciplines, numbers of which are only listed here.

Environmental Science 133. INTRODUCTION TO COMPUTER SCIENCE. See Computer Science 133.

Environmental Science 264. ECOLOGY AND CONSERVATION. (Also Biology 264 or Earth Science 264.) The introductory course in environmental science. The basic concepts of ecology are covered, with emphasis on terrestrial communities. The principles and concepts of resource and energy conservation are included. Laboratory and field experiences are provided to illustrate conservation and to demonstrate environmental survey techniques.

Every fall — 4 hours

Environmental Science 304. See Earth Science 304.

Environmental Science 364. ATMOSPHERIC SCIENCE. (Also Earth Science 364.) A study of the earth's atmosphere, including composition, movement, weather and other meteorologic phenomena. The study of air pollution, the impact of pollution on the environment, and methods of pollution control.

Every fall — 4 hours

Environmental Science 374. AQUATIC ECOLOGY. (Also Biology 374 or Earth Science 374.) An ecological study of the plants and animals which live in and around water. The effect of man on aquatic ecosystems, and the water needs of man. Laboratory investigation in water analysis and aquatic ecosystems survey techniques. Prerequisite: Environmental Science 264 or permission of the instructor.

Every spring — 4 hours

Environmental Science 384. HUMAN ECOLOGY. (Also Biology 384 and Sociology 384.) A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences.

Every spring — 4 hours

Environmental Science 464. POLLUTION DETECTION AND CONTROL. A study of resource management, water, air, and heterogeneous pollution sources and control. Emphasis is placed upon air and water quality standards, monitoring, and control strategies to address pollution problems.

Every semester — 4 hours

Environmental Science 391, 392, 393, 394. PRACTICUM. See page 74.

Every semester

Environmental Science 491, 492, 493, 494. INDEPENDENT STUDY. See page 74.

Every semester

For descriptions of the following courses which may be taken as Environmental Science electives, see listings and descriptions under the departments offering the course:

Environmental Science 223. SOCIAL PROBLEMS. See Sociology 223.

Environmental Science 234. MICROBIOLOGY. See Biology 234.

Environmental Science 313. ANTHROPOLOGY. See Sociology 313.

Environmental Science 314. GENERAL GEOLOGY. See Earth Science 314.

Environmental Science 324. GENETICS AND EUGENICS. See Biology 324.

Environmental Science 343. PRINCIPLES OF PUBLIC HEALTH. See Health Education 343.

Environmental Science 353. THE AMERICAN COMMUNITY. See Sociology 353.

Environmental Science 363. INTRODUCTION TO PROBABILITY AND STATISTICS. See Mathematics 363.

PHYSICS

Physics 124. MODERN PHYSICS. A conceptual study of physics beginning with the laws of motion and progressing through a brief consideration of relativity, nuclear physics, optics, and other topics. The course uses a non-mathematical approach. Laboratory experiences are included. No prerequisite.

Every fall — 4 hours

Physics 144. PHYSICS FOR LIBERAL ARTS. A survey of physics with emphasis on applications to everyday life in the modern world. The basic laws and phenomena of classical physics are studied, using elementary mathematics (no calculus). Lecture and laboratory. No prerequisite.

Every spring — 4 hours

Physics 491, 492, 493, 494. INDEPENDENT STUDY. See page 77.

Every semester

MATHEMATICS

Students who have completed advanced or accelerated courses in mathematics in high school may apply for advanced placement with regard to certain mathematics courses.

Mathematics 113. LIBERAL ARTS MATHEMATICS. An introduction to various mathematical concepts, with emphasis on the methods and processes of mathematics. Topics from sets, logic, functions, and mathematical systems are included.

Every spring — 3 hours

Mathematics 123. COLLEGE ALGEBRA AND TRIGONOMETRY. A study of basic topics usually treated in college algebra and trigonometry. Primarily for students not intending to major in mathematics. Prerequisite: 2 years or more of high school mathematics.

Every fall — 3 hours

Mathematics 153. ANALYTIC GEOMETRY AND CALCULUS I. A study of concepts of limits, differentiation and integration of algebraic functions and applications. Prerequisite: 3 years or more of high school mathematics.

Every fall — 3 hours

Mathematics 163. ANALYTIC GEOMETRY AND CALCULUS II. A study of definite integrals, transcendental functions, methods of integration, linear equations. Prerequisite: Mathematics 153.

Every spring — 3 hours

Mathematics 213. COLLEGE GEOMETRY. A course in the technique of construction and the procedure of proofs of common geometric figures, particularly adapted to the needs of future teachers of high school mathematics. A brief introduction to non-Euclidean geometry is also included. *Every spring — 3 hours*

Mathematics 223. ANALYTIC GEOMETRY AND CALCULUS III. A study of vectors and parametric equations, and of solid analytic geometry. Prerequisite: Mathematics 163. *Every fall — 3 hours*

Mathematics 233. ANALYTIC GEOMETRY AND CALCULUS IV. A study of partial differentiation, multiple integrals, infinite series, complex numbers, and functions. Prerequisite: Mathematics 223. *Every spring — 3 hours*

Mathematics 333. INTRODUCTION TO REAL ANALYSIS. The real numbers, sequences and series, the derivative, the Riemann integral, sequences and series of functions. Prerequisite: Mathematics 233. *Fall, 1978, and alternate years — 3 hours*

Mathematics 343. TOPOLOGY. A first course in general topology, with emphasis on the topology of the real numbers. Topics include topology space, continuity, connectedness, compactness, separation axioms, and metric spaces. Prerequisite: Mathematics 223. *Spring 1979, and alternate years — 3 hours*

Mathematics 363. INTRODUCTION TO PROBABILITY AND STATISTICS. (Also Business 343, Environmental Science 363, and Psychology 363.) A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: Mathematics 113 or equivalent. *Every spring — 3 hours*

Mathematics 373. DIFFERENTIAL EQUATIONS. A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: Mathematics 233. *Fall, 1978, and alternate years — 3 hours*

Mathematics 383. MATHEMATICS FOR TEACHERS. A study of selected phases of mathematics for prospective teachers of mathematics in secondary schools. The various techniques employed in teaching courses in mathematics are examined. Prerequisite: Permission of instructor. *Fall, 1979, and alternate years — 3 hours*

Mathematics 403. MATHEMATICS FOR ELEMENTARY TEACHERS. (Also Elementary Education 403.) Number systems, intuitive geometry, elementary algebra, and measurement. Methods of instruction of these topics will be presented. *Every semester and every summer — 3 hours*

Mathematics 413. LINEAR ALGEBRA. An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. Prerequisite: Mathematics 163. *Spring, 1980, and alternate years — 3 hours*

Mathematics 423. ABSTRACT ALGEBRA. An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: Mathematics 163. *Fall, 1979, and alternate years — 3 hours*

Mathematics 491, 492, 493, 494. INDEPENDENT STUDY. See page 74. *Every semester*

COMPUTER SCIENCE

CPSC 133. INTRODUCTION TO COMPUTER SCIENCE. A basic study of applications of electronic data processing; basic concepts of flowcharting, problem solution, and programming. *Every spring — 3 hours*

CPSC 303. FORTRAN. A study of structured programming techniques, using the language FORTRAN. The student will study problem solving, algorithm design, flowcharting, and become proficient in the use of FORTRAN. Prerequisite: Junior standing or approval of instructor. *Fall, 1978, and alternate years — 3 hours*

CPSC 403. ASSEMBLY LANGUAGE. A study of the techniques needed to program a computer in its own assembly language. Essential for the serious student of computer science. Prerequisite: CPSC 303. *Spring, 1979, and alternate years — 3 hours*

CPSC 413. DATA STRUCTURE AND PROGRAMMING LANGUAGES. Such structures as trees, lists, stacks, and queues will be studied. In addition, the student will be introduced to several high level languages, i.e., APL, ALGOL, PLI, SNOBOL, RPG. Prerequisite: CPSC 403. *Fall, 1979, and alternate years — 3 hours*



Department of
RELIGION

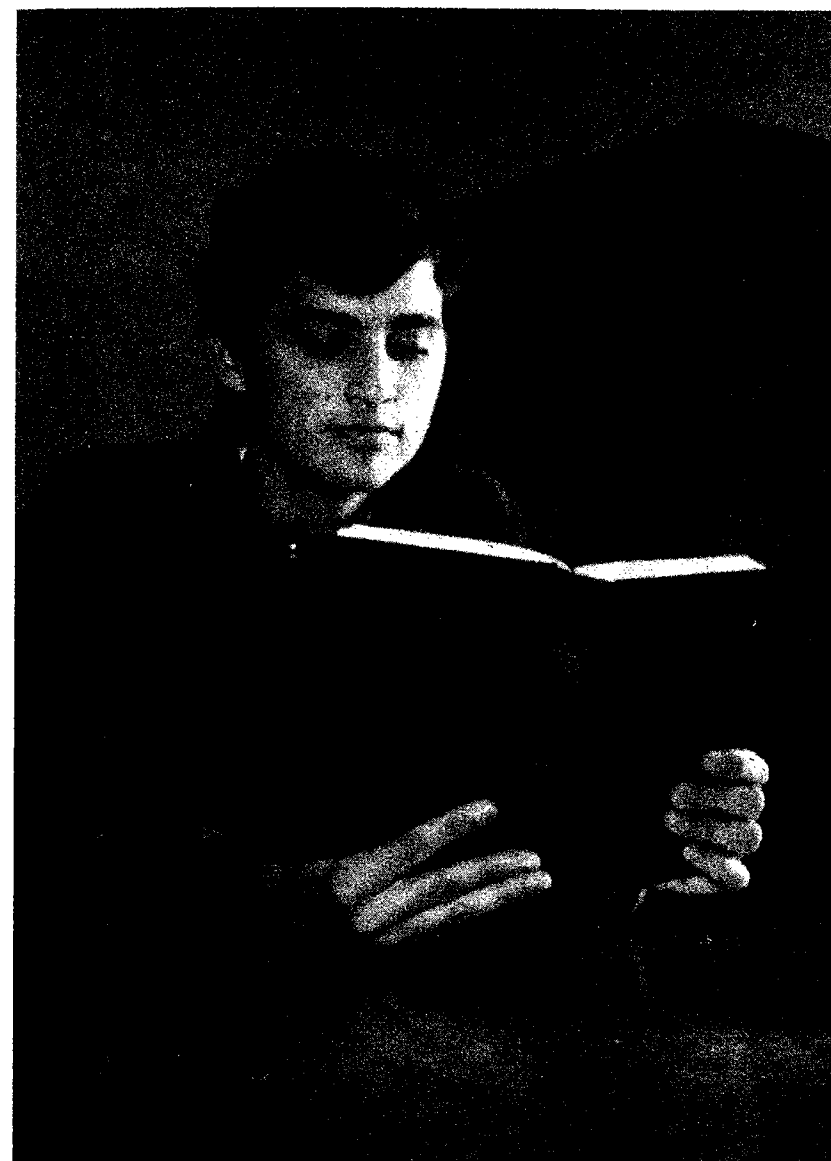
Bible

New Testament Greek

Religion

Philosophy

Center for Biblical Studies



DEPARTMENT OF RELIGION

The courses in the Department of Religion are intended to give students an understanding and appreciation of the Bible, to arouse in them a desire for Christian usefulness, and to equip them for leadership in various church activities.

Many of the courses in this department are designed to be beneficial to all college students. Some of them are courses which ministerial students should take, whether or not they expect to continue their studies in seminary.

Suggested Course of Study for Ministerial Students

The ministerial student should plan his course of study to give him the best possible general preparation for his life work. He should enroll in a wide variety of courses, according to his interest, that will provide background for his association with people in all fields of endeavor. Suggested areas would include sociology, psychology, history, science, business, and government. For improvement of his ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. He should take courses in physical education which will help him develop a lifelong program of health improvement and care.

In preparation for the seminary and for spiritual growth, the ministerial student should take at least a minor in Bible or Religion. One who does not plan to go to seminary should major in one of these fields. Seminary courses are much more technical and of a broader scope than college courses. Usually, any Religion or Bible course offered in college will be only preparatory and will not result in repetition at the seminary.

Requirements for a major in Bible

(B.A. Degree)

Bible 113 and 123 Old and New Testament History	6 hours
Bible 373 Christian Doctrines	3 hours
Electives in Bible (may include 6 hours Religion)	21 hours

Requirements for a major in Religion

(B.A. Degree)

Bible 113 and 123 Old and New Testament History	6 hours
Bible 373 Christian Doctrines	3 hours
Religion 303, 333, 353, or 463	3 hours
*Electives in Bible or Religion	18 hours

Requirements for a minor in Bible

Bible 113 and 123	6 hours
Bible 373	3 hours
Electives in Bible (3 hours upper division)	9 hours

Requirements for a minor in Religion

Bible 113 and 123 Old and New Testament History	6 hours
Bible 373 Christian Doctrines	3 hours
* Electives in Bible or Religion (3 hours upper division)	9 hours

* Ministerial students should take Religion 213, 243, 373, and 383. Other church leaders should take Religion 213 and 243.

BIBLE

Bible 113. OLD TESTAMENT HISTORY. An introductory and historical study of the Old Testament. Attention is given to the institutions, religion, literature, and national life of the Hebrew people from earliest times to the close of the Old Testament period. *Every semester and every summer — 3 hours*

Bible 123. NEW TESTAMENT HISTORY. A general historical survey of the New Testament, beginning with the inter-Biblical period, with the main emphasis given to the Gospels and Acts. *Every semester and every summer — 3 hours*

Bible 323. EVANGELISM. A study of the history, theology, principles and methods of New Testament evangelism, including personal, church and mass evangelism. Each student will be expected to do personal work as a part of this course. Prerequisites: Bible 113 and 123. *Spring, 1980, and alternate years — 3 hours*

Bible 333. OLD TESTAMENT PROPHETS. A study of the writing prophets of the Old Testament, with special attention given to the Messianic element, the occasion of writing, authorship, content, and interpretation. Prerequisites: Bible 113 and 123. *Spring, 1979, and alternate years — 3 hours*

Bible 343. THE PENTATEUCH (GENESIS-DEUTERONOMY). A study of the first five books of the Bible with special emphasis given to the scriptural record of beginnings and of early Hebrew history, religion, and law. *Fall, 1978, and alternate years — 3 hours*

Bible 353. OLD TESTAMENT POETRY. A study of the poetical books of the Old Testament, with reference to their literary style, occasion of writing, authorship, content, and interpretation. Prerequisites: Bible 113 and 123.

Fall, 1979, and alternate years — 3 hours.

Bible 373. CHRISTIAN DOCTRINES. A systematic study of the major doctrines of the Bible, including revelation and the Bible, the Trinity, the doctrine of man, the atonement, salvation and Christian growth, the church and its ordinances, and eschatology. Prerequisites: Bible 113 and 123.

Every fall — 3 hours.

Bible 423. GENERAL EPISTLES AND REVELATION. A study of the historical background, authorship, and exegetical analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: Bible 113 and 123.

Spring, 1979, and alternate years - 3 hours

Bible 433. LIFE AND TEACHINGS OF CHRIST. A study of the life of Jesus, with special attention given to his person, teachings, and work. Prerequisites: Bible 113 and 123.

Every fall — 3 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 and 123.

Spring, 1980, and alternate years — 3 hours

Bible 463. BIBLICAL BACKGROUNDS. A geographical and archaeological survey of Palestine and the countries near it, including the important political, social, and religious customs and conditions which have a bearing on Biblical history. Prerequisites: Bible 113 and 123.

Every spring — 3 hours

NEW TESTAMENT GREEK

The courses listed below are designed to enable the student to acquire an early mastery of the essentials of inflection and syntax, to resolve the principal difficulties of grammatical analysis, and to develop in the student a vigorous and independent interest in the Greek New Testament. Fourteen hours of Greek (two years) are recommended for the Bachelor of Arts degree.

Greek 274. BEGINNER'S GREEK. Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to the study of the Greek New Testament. Sophomore standing or special permission is required.

Every fall — 4 hours

Greek 284. BEGINNER'S GREEK. A continuation of Greek 274. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of the cases, the prepositions, and tenses. Prerequisite: Greek 274 or equivalent. *Every spring — 4 hours*

Greek 373. ADVANCED GREEK GRAMMAR. For second year students of the Greek New Testament. There is a review of forms, syntax, and prose composition. The student is required to translate the First Epistle of John and is given, with each lesson, a demonstration of the significance of Greek forms as vital to accurate translation. Prerequisite: Greek 284. *Every fall — 3 hours*

Greek 383. ADVANCED GREEK GRAMMAR. A continuation of Greek 373. This course includes 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. *Every spring — 3 hours*

RELIGION

Religion 113. CHURCH GROWTH AND DEVELOPMENT. This course is designed to acquaint the ministerial and missionary student with practical matters in the growth and development of a local Southern Baptist church. Guest lecturers, including outstanding Southern Baptist Convention personalities, participate during the semester by invitation: persons who have expertise in the fields of Bible teaching, outreach, evangelism, stewardship, missions, and church leadership training. The organization of the Southern Baptist Convention is emphasized, particularly the working relationship among its boards and agencies. This 3-hour course is required of loan/grant students. *Every fall — 3 hours*

Religion 213. A SURVEY OF RELIGIOUS EDUCATION. An introductory and survey study of religious education, with emphasis upon history, philosophy, objectives, educational techniques, and the correlated functions of the major program organizations of the local church. Attention also is given to the means of organized cooperation between churches. *Spring, 1980, and alternate years — 3 hours*

Religion 243. CHURCH ADMINISTRATION. A study of the administration of the entire program of a church, including staff relationships, leadership development, teaching and training, worship, church music, stewardship, evangelism, counseling, and missionary outreach. *Spring, 1979, and alternate years — 3 hours*

Religion 253. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. See Drama 253.

Religion 323. CHRISTIAN MISSIONS. A survey of the history and influence of Christian missions throughout the world, with special emphasis upon the missionary activities of Southern Baptists. *Fall, 1978, and alternate years — 3 hours*

Religion 333. PSYCHOLOGY IN RELIGION. See Psychology 333.

Religion 353. CHURCH HISTORY. (See History 353.)

Religion 363. AUDIO-VISUAL MATERIALS AND METHODS. (See Education 363.)

Religion 373. PASTORAL WORK. A study of the philosophy and practice of pastoral work, including a study of the pastor's call, his leadership role in the church, his personal character, health and preparation, pastoral care, preaching, counseling, leadership in worship, and administration of church affairs.

Fall, 1979, and alternate years — 3 hours

Religion 383. HOMILETICS. A workshop in the art of writing expository sermons. The student is required to write a series of sermons based on bible exposition. Attention is also given to the theoretical basis for biblical preaching. Prerequisites: Bible 113 and 123.

Fall, 1978, and alternate years — 3 hours

Religion 463. WORLD RELIGIONS. (Also Philosophy 463.) A study of the major religions of the world, both ancient and contemporary, with emphases upon primitive religions, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam, and Judaism.

Fall, 1979, and alternate years — 3 hours

PHILOSOPHY

Philosophy 213. INTRODUCTION TO PHILOSOPHY. A survey of the types of philosophy, the basic problems which man has faced, and the philosophic attempts to solve these problems.

Every spring — 3 hours

Philosophy 463. WORLD RELIGIONS. See Religion 463 (above).

CENTER FOR BIBLICAL STUDIES

The Department of Religion has established a Center for Biblical Studies in order to enlist more students in the study of Bible and religion and as a service to the community.

Under this program a person not enrolled in any other college may take up to seven hours of college work per semester, all of which must be in Bible, Greek, or Religion. These courses may be audited or taken for credit. Any of the courses listed in the Department of Religion, except Philosophy, may be taken under the program, only during a regular Fall or Spring semester.

A certificate will be awarded upon completion of 18 hours and an advanced certificate for 30 hours.

The special tuition fee is \$18.00 per semester hour. See page 24 for specific financial information pertaining to those enrolled in the Center for Biblical Studies.



RESERVE OFFICERS TRAINING CORPS

Aerospace Studies
(Air Force ROTC)

Military Science
(Army ROTC)

Courses of Study

ROTC

Through an agreement with Arizona State University, Grand Canyon College offers a four-year program of Air Force and Army ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University. Army ROTC students may also take any of the first two years of classes at one of the community college campuses.

The goal of this professional education is to provide the foundation of military knowledge and skills needed by the junior officers of the military service. Students may take ROTC credit in Aerospace Studies or Army Military Science.

AEROSPACE STUDIES (Air Force ROTC)

Purpose. The Aerospace Studies curriculum consists of the General Military Course for freshmen and sophomores and the Professional Officer Course for juniors and seniors. Upon graduation, each student who satisfactorily completes the Professional Officer Course and Baccalaureate degree requirements will receive a commission as a Second Lieutenant in the Air Force Reserve.

General Qualifications. A man or woman entering AFROTC must (1) be a citizen of the United States (noncitizens may enroll, but they must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the Professional Officer Course. If designated for flying training, one must be able to complete all commissioning requirements prior to age 26½; in other categories one must be able to complete all commissioning requirements prior to age 30.

Four-Year Program. A formal application is not required for students entering the Four-Year Program. A student may register for the program at the same time and in the same manner as other courses. During their first two years, students enroll in the General Military Course (GMC) normally taking one Aerospace Studies course each semester. They may then compete for entry into the Professional Officer Course (POC), which is normally taken during the last two years of college. GMC students not on AFROTC scholarship incur *no military obligation*. They receive 2.0 semester hours of credit for each AES 100 and 200 class completed. The classes consist of one hour of academic instruction and one hour of Leadership Laboratory a week. Selection for the POC is based on a system that uses several factors to determine a student's officer potential. This includes an Air Force aptitude test, a physical examination, and an interview board. Those students accepted into the POC attend a four-week summer field training encampment normally between their sophomore and junior years. Students enrolled in the POC (AES 300 and 400 classes) receive 3.0 semester hours of credit for each course.

Upon successful completion of the POC and the college requirements for a baccalaureate degree, the student is commissioned in the U.S. Air Force Reserve as a Second Lieutenant.

Two-Year Program. Students who have not taken the first two years of AFROTC may still compete for entry into the Professional Officer Course. Applicants must have at least two academic years of college work remaining, either at the undergraduate or graduate level. The selection process for the POC is the same as described for the Four-Year Program; however, these students must also successfully complete a six-week field training course at an Air Force base prior to enrollment. Upon completion of the POC and the college requirements for a baccalaureate degree, the student is commissioned.

Qualifications for Admittance to the Professional Officer Course (POC). (1) For the four-year student, successfully complete the General Military Course, or for the two-year applicant, complete a six-week field training course. (2) Complete the Air Force Officer Qualifying Test (AFOQT). (3) Pass the Air Force physical examination. (4) Maintain a minimum grade point average of 2.0 ("C").

Pay and Allowances. POC members in their junior and senior years receive \$100.00 per month for a maximum of 20 months of Professional Officer Course attendance. Students are also paid to attend field training. In addition, uniforms, housing and meals are provided during field training at no cost to the student. Students are reimbursed for travel to and from field training. Students in the POC may also travel free on military aircraft on a space-available basis. Pilot candidates in the Flight Instruction Program receive up to 25 hours of free flight training while in school.

Scholarships. Air Force ROTC offers scholarships annually to Outstanding young men and women on a nationwide competitive basis. Scholarships cover full college tuition for resident and nonresident students as well as books, laboratory and incidental fees, plus a monthly tax-free allowance of \$100.00. Scholarships are available on a four, three, and two year basis. To qualify for the four-year scholarship, the student must be a U.S. citizen pursuing one of the several selected academic majors and submit an application prior to December 15th of his/her senior year in high school or first year of college if enrolled in a 5-year curriculum. Interested students should consult their high school counselors or an AFROTC detachment. Male and female students enrolled in AFROTC at Grand Canyon College are eligible for three and two-year scholarships. Consideration is given to

academic grades, score achieved on the Air Force Officer Qualifying Test, and physical fitness. A board of officers considers an applicant's personality, character, and leadership potential.

MILITARY SCIENCE (Army ROTC)

Purpose. The Department of Military Science curriculum consists of the Basic Course and the Advanced Course. The goal of this professional education is to prepare selected students with leadership potential to be commissioned as Army officers within the national defense structure of the United States. Specific objectives include providing students an understanding of the nature and operations of the U.S. Army; developing the leadership and managerial potential of the students; developing students' abilities to think creatively, to speak and write effectively; and to provide the student with an appreciation of the requirements for national security. Upon graduating from the college each student who has successfully completed the Advanced Course will receive a commission in the United States Army Reserve.

Appointments as Second Lieutenants in the Regular Army are available to outstanding students who desire a career in the military service.

General Qualifications. A male or female student entering Army ROTC must (1) be a citizen of the United States (noncitizens may enroll but must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for entrance into the Advanced Course and be able to complete all commissioning requirements prior to age 28. Students with prior active military service or previous high school ROTC may be given credit for all or a part of the Basic Course.

Qualifications for Admittance to the Advanced Course. (1) Successful completion of the Basic Course for the student in the four-year ROTC program; for the student in the two-year program, selection for and successful completion of the six-week basic summer camp. (2) Passing of the ROTC Qualifying Examination. (3) Passing the Army physical examination. (4) Attainment of a minimum cumulative grade point average of 2.0 ("C") for the first two years of college work and maintenance of that minimum during the period while enrolled in the Advanced Course.

Four-Year Program. Students normally enroll in Army ROTC during their freshman year. They take the Basic Course during the first two years, receiving a total of 8 semester hours credit for the four semesters of study. Upon satisfying the requirements stated above, they enter the Advanced Course where they will earn 10 semester hours of credit for the four semesters of study. In addition, students will

attend a six-week advanced summer camp at an Army post between their junior and senior years. Upon successful completion of the Advanced Course and requirements for a degree, they are commissioned as Second Lieutenants in the United States Army Reserve.

Two-Year Program. Students must have two academic years of college work remaining, either at the undergraduate or graduate level, or a combination of the two. This program is designed primarily for the junior college transfer or for the student transferring from a college or university where the four-year Army program was not available. Students seeking enrollment in the two-year program should make application during the spring semester of the year in which they desire to enter the program. They must pass the ROTC Qualifying Examination, the Army physical examination, and must be selected by an interview board of Army officers. After successfully completing a six-week basic summer camp at an Army post (normally conducted during June and July), students may enroll in the Advanced Course. They then follow the same program and meet the same requirements as stated for Advanced Course students in the four-year program.

Pay and Allowances. Advanced Course students in their junior and senior years receive \$100.00 per month for the 20 months of enrollment in the Advanced Course. The students also receive one-half the pay of a second lieutenant during their attendance at the six-week advanced camp. Uniforms, housing and meals are provided at camp without cost to the students, and they are reimbursed at the current mileage rate for travel to and from the camp. Students who enter the two-year program will receive the pay of an Army recruit during attendance at the basic summer camp as well as the current mileage rate for travel to and from the camp.

Deposit. A \$25.00 deposit will be required for all students registering for ROTC to cover the issue of the prescribed uniforms, textbooks, and other authorized materials. This deposit, less authorized deductions to cover cleaning, laundry, or loss or damage to uniforms or textbooks through neglect, will be refunded at the end of the school year.

Active Duty Requirements. Graduates of Army ROTC may spend from three months to three years of active duty depending on U.S. Army Reserve options. Scholarship students and those students who desire an Army career and receive a Regular Army commission have additional amounts of time added to their basic three-year commitment. A delay from call to active duty for up to four years is available to outstanding students who desire to earn a graduate degree.

AEROSPACE STUDIES

AES 102A. AEROSPACE STUDIES. Introduction to U.S. Air Force organization, mission, doctrine, offensive and defensive forces. One lecture, 1 hour Leadership Practical Application Lab. *2 hours*

AES 102B. AEROSPACE STUDIES. Background on strategic missile defense forces, general purpose and aerospace support forces in national defense. One lecture, 1 hour Leadership Practical Application Lab. *2 hours*

AES 202A. AEROSPACE STUDIES. Historical survey of events, trends, and policies leading to the emergence of air power through WW II. One lecture, 1 hour Leadership Practical Application Lab. *2 hours*

AES 202B. AEROSPACE STUDIES. Development of aerospace power from WW II to the present emphasizing the impact of limited war and technology on roles and missions. One lecture, 1 hour Leadership Practical Application Lab. *2 hours*

AES 303A. An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication, and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer. Three lectures, 1 hour Leadership Practical Application Lab. *3 hours*

AES 303B. AEROSPACE STUDIES. Integrated management course emphasizing the individual as a manager in an Air Force milieu. Organizational and personal values, management of forces in change, organizational power, politics, managerial strategy and tactics. Military justice and administrative processes are discussed within the context of the military organization. Three lectures, 1 hour Leadership Practical Application Lab. *3 hours*

AES 403A. AEROSPACE STUDIES. Armed Forces as a technical element of society, with emphasis on the broad range of American civil-military relations; principles and techniques of communicative skills, the political, economic, and social constraints on the national defense structure. Three lecture, 1 hour Leadership Practical Application Lab. *3 hours*

AES 403B. AEROSPACE STUDIES. Formulation and implementation of U.S. defense policies; impact of technological and international developments on strategic preparedness in the overall defense policy-making processes. Three lectures, 1 hour Leadership Practical Application Lab. *3 hours*

AES 400. FLIGHT INSTRUCTION. Non-credit. Limited to senior cadets who are selected as pilot candidates.

MILITARY SCIENCE

MIS 102A. BASIC MILITARY SCIENCE. Organization and mission of the Army; the military and American society; introduction to military leadership theory; situational/ contingency approach to basic problems in small unit leadership. One lecture-conference, 1 hour Leadership Practical Application. *2 hours*

MIS 102B. BASIC MILITARY SCIENCE. Learning theories and principles of instruction; development of instructor knowledge, skills, and attitudes; instructional aids; student presentations. One lecture-conference, 1 hour Leadership Practical Application. *2 hours*

MIS 202A. BASIC MILITARY SCIENCE. Evolution of warfare and theories of conflict; organization and role of the U.S. Department of Defense in national security; interdisciplinary approach to leadership and management; resource management in small unit operations; effective techniques for decision-making studies. One lecture-conference, 1 hour Leadership Practical Application. *2 hours*

MIS 202B. BASIC MILITARY SCIENCE. Military geography; use of maps and aerial photographs; fundamentals of small unit operations; functions and responsibilities of junior military leaders; command and control systems. One lecture-conference, 1 hour Leadership Practical Application. *2 hours*

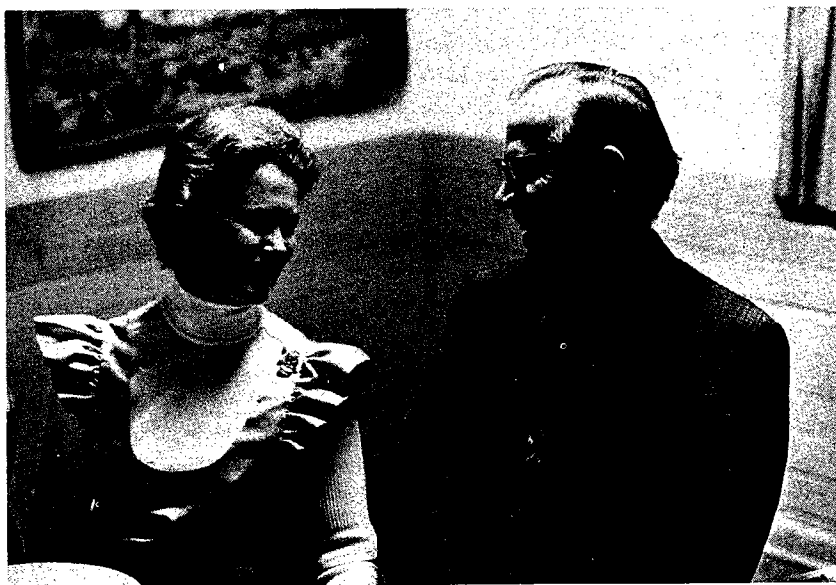
MIS 303A. ADVANCED MILITARY SCIENCE. Theory, organization, and dynamics of military forces in combat operations; small unit offensive and defensive tactics. Prerequisites: MIS 202A and 202B, or equivalent. Three lectures-conferences, 1 hour Leadership Practical Application. *3 hours*

MIS 303B. ADVANCED MILITARY SCIENCE. Roles of the branches of the Army; organization of the special and general staff; preparation for applied leadership; command and staff relationships. Prerequisites: MIS 202A and 202B, or equivalent. Three lectures-conferences, 1 hour Leadership Practical Application, 3-day field training exercise. *3 hours*

MIS 402A. ADVANCED MILITARY SCIENCE. The military legal system; evolution of the U.S. Army; selected campaigns and leaders through the Spanish-American War; opposing strategies; objectives, attitudes, relationships to changing

social, economic, political and military institutions. Prerequisites: MIS 303A and 303B. Two lectures-conferences, 1 hour Leadership Practical Application, 3-day field training exercise. *2 hours*

MIS 403B. ADVANCED MILITARY SCIENCE. Selected campaigns and leaders from 1917 to the present; U.S. position in the contemporary world and its impact on military command and management; career planning and personal affairs. Prerequisites: MIS 303A and 303B. Two lectures, 1 hour Leadership Practical Application, 3-day field training exercise. *2 hours.*



VIII. Administration and Personnel*

Trustees

Administration

Faculty

Faculty Committees

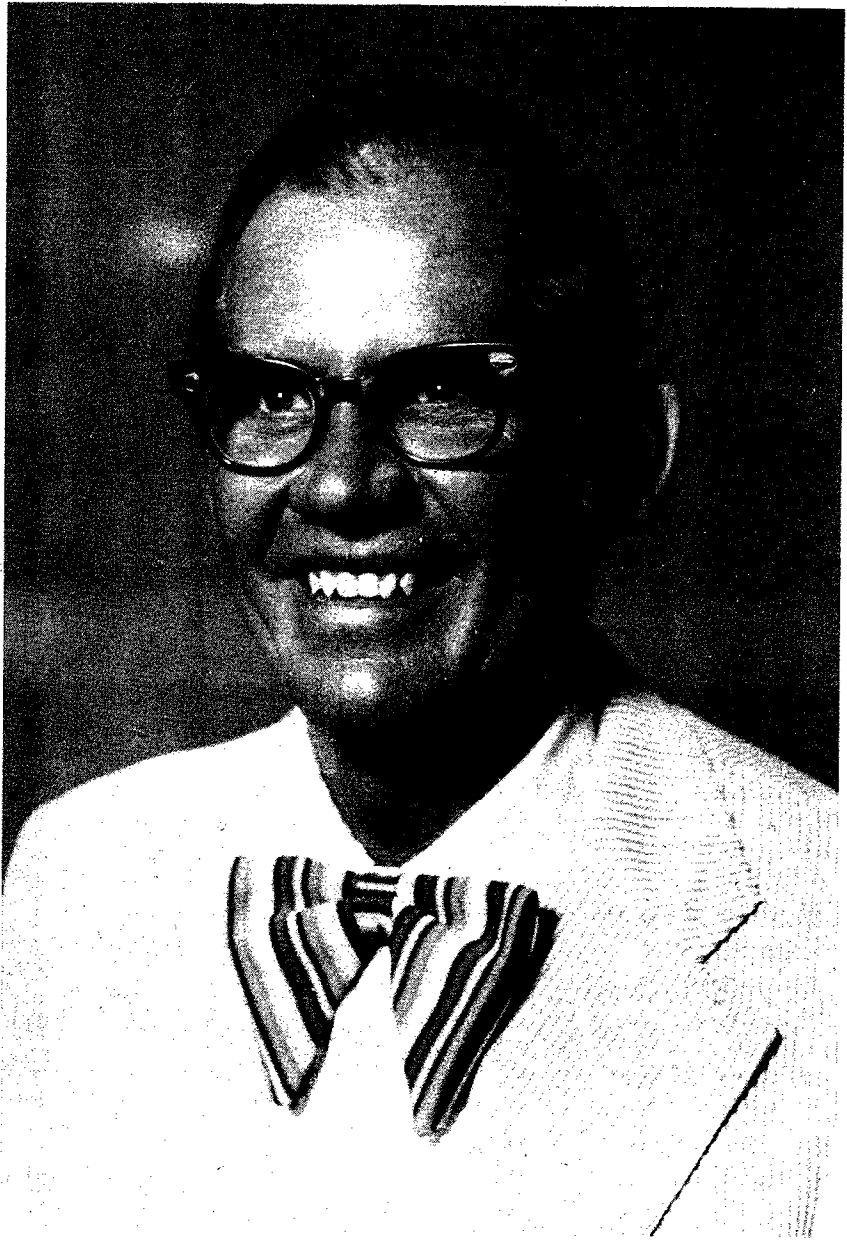
* As of January 1, 1978

TRIBUTE

Because of his love for the Lord, his dedication to Grand Canyon College and the excellence of its instruction, his deep concern for students, and his constant encouragement to the faculty and staff of the college, this edition of the college catalog is dedicated to Dr. William R. Hintze, the beloved late President of Grand Canyon College.

Under Dr. Hintze's leadership the enrollment of the college was increased by 55 per cent in five years. During those five years the endowment was doubled, a science building was erected, and the campus facilities were generally upgraded. Dr. Hintze led out in getting faculty salaries increased. He also led in seeking to strengthen the faculty. He was very instrumental in getting the maximum accreditation for the college.

Dedication of this catalog to Dr. Hintze is a token of love and appreciation for what he did for the college family and for the future generations of students who will come to Grand Canyon College.



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948-2659 994-3432

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Tempe 85281

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Phoenix 85019

931-2247 255-2870

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Phoenix 85013

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327-1632 793-9379

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Grand Canyon College, P. O. Box 11097,
Phoenix 85061

249-3300

Mr. Marvin Bear, Student Representative
3840 N. 43rd Avenue, No. 56,
Phoenix 85031

272-3682

ADMINISTRATIVE OFFICERS

Dillard Whitis, B.A., M.R.E., Ph.D. (1968) Interim President;
Vice President for Academic Affairs

B.A., Baylor University
M.R.E., Southwestern Baptist Theological Seminary
Ph.D., Arizona State University

Dan Boliek, B.S. (1974) Vice President for Business Affairs

B.S., University of Arizona
Graduate study, University of Arizona

Victor N. Varner, B.M.E., M.R.E., M.Ed., Ph.D. (1973) Vice President for
Student Affairs

B. M.E., Oklahoma Baptist University
M.R.E., Southern Baptist Theological Seminary
M.Ed. and Ph.D., University of Oklahoma
Additional Graduate Study, Southwestern Baptist Theological Seminary, Texas Christian
University

Paul Barnes, B.A., M.R.E. (1971) Vice President for Development

B.A., Grand Canyon College
M.R.E., Southwestern Baptist Theological Seminary
Additional Graduate Study, Arizona State University

ADMINISTRATIVE STAFF

Frank Anderson, B.S. Director of Computer Services
B.S., University of Arizona

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B.S., Grand Canyon College

Mrs. Cleola Besco Secretary to Librarian

Mrs. Dorothy Bickers Secretary to the Registrar

Mrs. Toby Carlson Secretary in the President's Office

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B.S., Grand Canyon College
Graduate study, Arizona State University

Ron Brown, B.S. Business Office Manager
B.S., Olivet Nazarene College

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Mrs. Lucy Conley Mail Clerk

Mrs. Danell Conway, B.S. Secretary in Office for Student Affairs
B.S., Grand Canyon College

Charles M. Cooke, M.D. (1952) College Physician
B.S., University of Arizona
M.D., University of Utah

Mr. Lee Cook Superintendent of Buildings and Equipment

Robert Darby, B.S., M.R.E., Ed.S., Ed.D., C.P.E. Associate Director
B.S., Jacksonville State University
M.R.E., Ed.S., Ed.D., New Orleans Baptist Theological Seminary
C.P.E., Southern Baptist Hospital, New Orleans
for Student Affairs

Mrs. Betty Endsley Secretary to Vice President for Academic Affairs

Mrs. Clara Gilmore, B.S. College Nurse
B.S., Grand Canyon College

Mrs. Ann Grimm Reference Librarian
B.S., Grand Canyon College

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B.B.A., Baylor University
M.B.A., Texas Christian University
Additional Graduate Study, University of Oklahoma,
University of Tulsa, Arizona State University,
Southwestern Baptist Theological Seminary

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B.S., University of Oklahoma
M.A., Northern Arizona University

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Mrs. Debby Hoyler Secretary in Public Relations Office

Mr. W. E. Laughman Director, Men's Dormitory

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B.S., Oral Roberts University

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B.A., Grand Canyon College

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B.A., Grand Canyon College

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 B.A., Baylor University
 M.Div., Southwestern Baptist Theological Seminary
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- Mr. Byron Perdue Groundsman
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 M.L.S., North Texas State University
 M.Div., Southwestern Baptist Theological Seminary
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- Mr. Ben Robinson Custodian
- Mrs. Genita Robinson Assistant in Library
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- Mrs. Gene Smith Bookstore Manager
- Mr. Carl Snider Custodian
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 B.S., Grand Canyon College
- Mrs. Martha Toon Secretary to Vice President for Development
- Arthur K. Tyson, B.A., M.A., LL.D. Assistant to the President
 B.A., Baylor University
 M.A., Southern Methodist University
 LL.D., East Texas Baptist College
 Additional Graduate Study, Louisiana State University
- Mrs. Macile Vinson, B.A. Accounts Payable Clerk
 B.A. in Bus. Ad., Eastern Washington University
- Mr. Larry W. Watson Computer Programmer
- Mrs. Nancy Winters V.A. Coordinator
- Mr. Maurice Worley Accountant

FACULTY

Dillard Whitis, B.A., M.R.E., Ph.D. (1968) Professor of Education
 B.A., Baylor University
 M.R.E., Southwestern Baptist Theological Seminary
 Ph.D., Arizona State University

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 B.A., Berea College
 M.A., M.F.A., East Tennessee State University

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 Chairman of Department of Health and Physical Education;
 Professor of Health and Physical Education;
 Baseball Coach
 B.S., State College of Arkansas
 M.S., University of Arkansas
 Ed.D., Arizona State University

Mildred Brazell, B.A., M.A., Ed.D. (1952) Professor of Health and
 Physical Education
 B.A., State College of Arkansas
 M.A., Arizona State University
 Ed.D., Arizona State University

Ralph Terry Bryan, B.S., M.A., Ph.D. (1959) Professor of English;
 Chairman of Department of Humanities
 B.S., M.A., Arizona State University
 Ph.D., University of Colorado

David Brannan Claxton, B.S., M.S. (1975) Assistant Professor of Health
 and Physical Education
 B.S., M.S., Baylor University

Oneta Corley, B.S., M.S. (1964) Associate Professor of Business
 B.S., Southwestern State College
 M.S., Oklahoma State University
 Additional Graduate Study, Arizona State University,
 University of Oregon, Northern Arizona University

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 B.A. in Education, Arizona State University
 M.A. in Education, Northern Arizona University
 Ph.D., University of Texas at Austin

- J. P. Dane, B.A., B.D., Th.M., Th.D. (1972) Professor of Religion;
 Director of Center for Biblical Studies;
 Chairman of Department of Religion
 B.A., Oklahoma Baptist University
 B.D., Southwestern Baptist Theological Seminary
 Th.M., Th.D., Central Baptist Seminary
- Maye K. Davis, B.A., M.A. (1970) Associate Professor of Education
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 M.A., Arizona State University
 Reading Specialist, Arizona State University
 Additional Graduate Study, Portland State University,
 Eastern Oregon University, University of Arizona
- Macon Delavan, B.M.Ed., M.M., D.M.E. (1966) Professor of Music,
 Chairman of Department of Music
 B.M.Ed., Southwest Texas State College
 M.M., Westminster Choir College
 D.M.E., University of Oklahoma
 Additional Graduate Study, North Texas State University
- Marlene Delavan, B.M.Ed., M.M. (1966) Associate Professor of Music
 B.M.Ed., Southwest Texas State College
 M.M., Westminster Choir College
 Additional Graduate Study, North Texas State University
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 Chairman of Department of Education and Psychology
 B.A., Baylor University
 M.A., University of Missouri-Kansas City
 Ed.D., University of Missouri-Columbia
- John Howerton, B.A., M.A., M.Div. (1966) Associate Professor of History;
 Chairman of Department of History and Social Sciences
 B.A., Grand Canyon College
 M.A., Arizona State University
 M.Div., Midwestern Baptist Theological Seminary
 Additional Graduate Study, Arizona State University, University of Arkansas
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 Economics; Director of Center for Business Studies
 B.A., University of Arizona
 M.A., and Ph.D., Arizona State University
- Harry D. Kent, B.B.A., M.B.E. (1955) Associate Professor of Business
 B.B.A., Baylor University
 M.B.E., North Texas State University
 Additional Graduate Study, Southern Methodist
 University, Arizona State University

Thomas Jesse King, B.S., M.S., Ph.D. (1975) Associate Professor of Science
B.S., M.S., Ph.D., University of
Southern Mississippi

Jim Warren Krout, B.A., M.A., M.A., Ph.D. (1974) Assistant Professor
of English

B.A., Mississippi College
M.A., University of Colorado
M.A., University of Denver
Ph.D., Purdue University
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J. Benjamin Lindsey, B.S., M.S. (1965) Associate Professor of Health and
Physical Education; Basketball Coach

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M.S., Arizona State University
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M.A., Baylor University
Additional Graduate Study, University of Arizona

D. C. Martin, B.A., Th.M., M.R.E., Th.D. (1952-60; 1971) Professor
of Religion

B.A., Wake Forest College
Th.M., M.R.E., Southwestern Baptist Theological Seminary
Th.D., New Orleans Baptist Theological Seminary

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Behavioral Science

B.A., Ottawa University
B.D., Central Baptist Seminary
M.A., Arizona State University

Roger L. Miller, B.F.A., M.A. (1977) Assistant Professor of Speech and Drama

B.F.A., University of Arizona
M.A. (Theatre Arts), Adelphi University

Erdie Morris, B.S., M.A., M.P.H., Ph.D. (1970) Professor of Science

B.S., M.A., Arizona State University
M.P.H., University of California
Ph.D., Purdue University
Additional Graduate Study, Colorado State College,
Oregon State University, Cornell University,
University of Alabama

Larry Wood Olson, B.S., Ph.D. (1975) Assistant Professor of Science

B.S., Baylor University
Ph.D., University of Pennsylvania
Postdoctoral Research Fellow, University of Illinois

- Paul Paige, B.M., M.M., Ph.D. (1971) Associate Professor of Music
 B.M., Boston University
 M.M., Northwestern University
 Ph.D., Boston University
 Additional Graduate Study, State University of
 New York at Binghamton
- Ronald Phillips, B.M., M.M. (1968) Associate Professor of Music;
 Director of Instrumental Ensembles
 B.M., Michigan State University
 M.M., Michigan State University
 Doctoral Candidate, Arizona State University
- J. Niles Puckett, B.A., LL.B., Th.M., Th.D. (1949) Professor of Religion
 B.A., Mississippi College
 LL.B., Cumberland University
 Th.M., Th.D., Southern Baptist Theological Seminary
- Crawford Lee Russell, B.S., M.S., Ed.D. (1974) Associate Professor of Art
 B.S., M.S., Fort Hays Kansas State College
 Ed.D., Arizona State University
- Grace Weller, B.A., M.Mus. (1950) Associate Professor of Music
 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, Akademie für Music und Darstellende
 Kunst at Vienna
- Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D. (1965) Professor of
 Mathematics; Chairman of Department of
 Natural Sciences and Mathematics
 B.S., Grand Canyon College
 M.A. in Ed., Arizona State University
 M.A., University of Illinois
 Ed.D., Arizona State University
 Additional Graduate Study, Arizona State University,
 Utah State University
- Paul A. Youngs, B.A., B.D., Th.M., M.Nat.Sci. (1956) Associate Professor
 of Science
 B.A., University of Corpus Christi
 B.D., Th.M., Southern Baptist Theological Seminary
 M.Nat.Sci., Arizona State University
 Additional Graduate Study, Texas A. & M. University,
 University of California at Davis, George Peabody
 College, Arizona State University, Southern Utah
 State College

Mary S. Zumot, B.A., M.A. (1976) Assistant Professor of History
and Social Sciences

B.A., Baylor University
M.A., Southern Methodist University
Doctoral Candidate, Arizona State University

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John Adamscyck, B.S., M.B.A. Natural Sciences

B.S., Arizona State University
M.B.A., California University
Additional Graduate Study, San Diego State University, University of Nebraska, California
State University

Anita H. Chestney, B.F.A., M.F.A., M.A. Art

B.F.A., Massachusetts College of Art
M.F.A., Arizona State University
M.A. in Art Education, Arizona State University

Elmer Felton, B.S., M.A., M.S. Education

B.S., Ohio State University
M.A., Ohio State University
M.S., Arizona State University

James Ralph Giordano, B.S. Criminal Justice

B.S., Grand Canyon College

Janice Wilkes Goodner, B.S. Music

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Graduate Study, Arizona State University

Barbara Hintze, B.S. Mathematics

B.S., Grand Canyon College
Graduate Study, Arizona State University

Lester E. Jennings, Jr., B.A. Criminal Justice

B.A., Grand Canyon College

Leon E. Jordan, B.S., M.S. Natural Sciences

B.S., Lincoln University
M.S., Kansas State University

Nelda Kent, B.S., M.A. Education

B.S., Baylor University
M.A., Arizona State University
Additional Graduate Study, North Texas State University, Louisiana State University

E. Louis Lankford, B.F.A. Art

B.F.A., Commercial Art, Arizona State University

- David E. Lawrence, B.A. Criminal Justice
B.A., San Jose State University
- Wade Oliver, B.A., M.A., Ed.D. Education
B.A., M.A., Ed.D., Arizona State University
- Shirli Overton, B.A. English
B.A., Grand Canyon College
Graduate Study, Arizona State University
- Hugo A. Peart, B.S., M.S.W. Sociology
B.S., Grand Canyon College
M.S.W., Arizona State University
- Mavis Pust, B.A. Spanish
B.A., Grand Canyon College
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- William Risinger, B.S. Music
B.S., Grand Canyon College
Graduate Study, Arizona State University
- Barbara Russell, B.A., M.S., Ed.D. Education
B.A., M.S., Fort Hayes State College, Kansas
Ed.D., Arizona State University
- William Schafer III, B.A., J.D. Criminal Justice
B.A., Oberlin College
J.D., Western Reserve University
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B.F.A., University of Arizona
Graduate Study, University of Arizona
- John Shimek, A.A., B.S. Physical Education
A.A., Phoenix College
B.S., Grand Canyon College
Additional Study: Pepperdine, Azusa Pacific, and
Grand Canyon College
- Jeanne Siebenman, B.A., M.A. Education
B.A., M.A., Arizona State University
- Loren C. Turnage, B.A., M.Div. Religion
B.A., Friends University
M.Div., Golden Gate Baptist Theological Seminary
- Samuel H. VanSandt, B.S., B.A. Business
B.S., B.A., Central Missouri State University

- Joan Criswell Varner, B.M.E., M.M.E. Music
 B.M.E., Oklahoma Baptist University
 M.M.E., Oklahoma University
- Tamara Weniger, B.A. French
 B.A., Budapest
- Betty Youngs, B.A., M.A. Humanities
 B.A., George Peabody College
 M.A., Arizona State University
 Additional Graduate Study, Columbia University Teachers College
- J. E. Zimmerman, B.A., M.A., Litt.D. English
 B.A., Baylor University
 M.A., Baylor University
 Litt.D., Baylor University
 Litt.D., Grand Canyon College

FACULTY COMMITTEES

1977-78

The first named member is chairman unless otherwise specified.

ADMINISTRATIVE

Administrative Advisory: President of the College, Mr. Barnes, Dr. Bryan, Mr. Boliek, Mrs. Davis, Dr. Dane, Dr. Olson, Dr. Varner, Dr. Whitis, Dr. Williams

Athletic: Dr. Varner, Dr. Howard, Dr. Williams, Dr. Olson, Peter Hardt, Steve Laube

Chapel: Dr. Varner, Dr. D. Brazell, Dr. Dane, Mr. Merrifield, Dr. Paige, Miss Zumot, Phil Hunt, Cheryl Wessel, Becky Snyder

College Relations: Mr. Newsom, Dr. Mildred Brazell, Dr. Martin, Mrs. Meck, Mrs. Meredith, Mr. Norris, Joe Curtis, Lorraine Warner, Mildred Jones

Committee on Committees: President of the College, Dr. Bryan, Mr. Howerton, Dr. Olson, Dr. Whitis

Computer Users: Mr. Thompson, Mr. Anderson, Mrs. Hintze, Dr. Varner, Dr. Whitis

Financial Aid: Miss Maben, President of the College, Mr. Harris, Dr. Whitis, Dr. Williams, Miss Zumot, Daryl Bennett

Task Force for Admissions: President of the College, Mr. Barnes, Mr. Bolick, Mrs. Brown, Mr. Harris, Dr. Jones, Mr. Lindsey, Mr. Newsom, Mr. Norris, Dr. Varner, Dr. Whitis, Debbie Collins

ACADEMIC

Academic Advisement: Mr. Merrifield, Dr. M. Brazell, Mr. Claxton, Mrs. Gilmore, Dr. Martin, David Kent

Academic Affairs: Mr. Howerton, Mrs. Brown, Dr. King, Mr. Lindsey, Dr. Russell, Dr. Whitis, Bruce Woods

Curriculum: Dr. Bryan, Dr. D. Brazell, Dr. Dane, Dr. Delavan, Dr. Howard, Mr. Howerton, Dr. Whitis, Dr. Williams, Matthew Palenica

Honors Program: Dr. Olson, Dr. Russell, Dr. Krout

Library: Dr. Krout, Dr. Creekmur, Mr. Kent, Mr. Merrifield, Mr. Rhew, Kim Long

Teacher Education: Dr. Howard, Mr. Kent, Dr. King, Miss Maben, Dr. Martin, Dr. Russell, Sheri Ogen

STUDENT AFFAIRS

Student Affairs Advisory: Dr. Varner, Dr. M. Brazell, Dr. King, Barbara Babock, Russell Fletcher

Student Government Advisors: Executive Council, Dr. Varner; Senate, Mr. Howerton; Judicial, Miss Zumot.

FACULTY

Academic Privilege and Tenure: Dr. Bryan, Mrs. Davis, Mr. Lindsey, Miss Maben, Dr. Williams

Faculty Affairs: Dr. Olson, Dr. Bryan, Mr. Howerton

Faculty Development: Dr. Jones, Dr. Bryan, Dr. M. Brazell, Dr. Creekmur, Mrs. Davis, Dr. Howard, Dr. Krout, Mr. Phillips, Dr. Whitis

Tenure and Academic Promotion: Dr. Dane, Mrs. Davis, Mr. Lindsey

IX. Student Statistics

Graduates 1976

1977

Enrollment Statistics 1976-77

GRADUATES

1976

BACHELOR OF ARTS

Cheri LuAnne Allen
 Roger Eugene Anderson
 Helen Maxine Baughman
 Jeffrey L. Baum
 James Leonard Beard
 Virginia L. Billingsley
 Tad Christopher Bundy
 John Martin Caldwell
 Robert E. Canion, III
 Michael R. Case-Smith
 Samuel L. Chandler
 Judith L. Clark
 James H. Cosentino
 Brenda Combs
 James Allan Conley
 Richard A. Conlow
 Danny John Crothers
 Stephen Paul Daniel
 Marilyn Janette Deming
 Jamie Jean Deppey
 Cheryl L. Douglas
 Judith Dowell
 Justin Illey Driggers
 Freddie D. Drybread
 Manuel Augustine Gaucin Estrada
 David Everett
 George Allan Fathauer
 Russell A. Garner
 Debra Ann Gilden
 Nora Cathleen Gregg
 George Edward Harden
 David S. G. Harsdorf
 Donald G. Hartman
 Danny R. Hill
 Stephen Allen Hoekstra
 Elsie M. Hoffman

Phoenix, Arizona
 Tahoe City, California
 Phoenix, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Casa Grande, Arizona
 Benson, Arizona
 Scottsdale, Arizona
 Phoenix, Arizona
 Oak Harbor, Washington
 Phoenix, Arizona
 Somerton, Arizona
 Glendale, Arizona
 Kingman, Arizona
 Phoenix, Arizona
 Circle Pines, Minnesota
 Phoenix, Arizona
 Fort Worth, Texas
 Phoenix, Arizona
 Phoenix, Arizona
 Toledo, Ohio
 Longview, Washington
 Phoenix, Arizona
 Phoenix, Arizona
 Rochester, New York
 Mesa, Arizona
 Portland, Oregon
 Phoenix, Arizona
 Casa Grande, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Las Vegas, Nevada
 Glendale, Arizona
 Loveland, Colorado
 Lumberton, North Carolina

Phillip Eugene Irby
 Jack H. Isbell
 Joseph Jackovich, Jr.
 Andra Merrill Jeffress
 Earnest Wayne Johnson
 Douglas Duane Jones
 Ted Stewart Kahn
 Roy Thomas Kirby
 Gloria Helen Linstead
 Barbara Louise West Luce
 Jerry W. Martin
 Carol Jean McAninch
 Steven Douglas McClaren
 John Douglas McConnell
 Richard David McEver
 Patricia Jean McGee
 James Edward Mitchaux
 Gregory Scott Morton
 Cynthia DeVaney Olvey
 Sally Katherine O'Reilly
 K. Wayne Osburn
 Shirli J. Overton
 Cathy Owens
 Steven Daniel Owens
 Robert Alford Payne
 Mark Preston Pitts
 Sylvia T. Pullano
 Euston W. Ray
 W. Kyle Robertson
 Jeffrey M. Simpson
 Philip R. Sorensen
 Nell Rae Spidler
 Bernard E. Teague
 Joseph Walker, III
 Ronald Owen Wyble

Phoenix, Arizona
 Buna, Texas
 Granite City, Illinois
 Phoenix, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Cincinnati, Ohio
 Phoenix, Arizona
 Phoenix, Arizona
 Lakewood, Colorado
 Phoenix, Arizona
 Phoenix, Arizona
 Topeka, Kansas
 Bisbee, Arizona
 Tucson, Arizona
 Pittsburgh, Pennsylvania
 Phoenix, Arizona
 Safford, Arizona
 Page, Arizona
 Arvada, Colorado
 Glendale, Arizona
 Phoenix, Arizona
 Wabash, Indiana
 Mincola, Missouri
 Richardson, Texas
 Phoenix, Arizona
 Wake Forest, North Carolina
 Sunset, Utah
 Glendale, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Rock Island, Illinois
 Phoenix, Arizona
 Phoenix, Arizona

BACHELOR OF SCIENCE

Glenda Pickett Anderson
 Donald Eugene Ahrens
 Jamie Sue Alexander
 Dan Lynn Allison
 Aleta Xochitl Alvarado
 Roman V. Archer
 Wesley R. Baker
 Scott D. Baldock
 Sharon Lorene Barnett
 Allan Wayne Bassing
 Roger Wayne Bayes
 Hazel M. Beard
 Lary D. Bolles
 Gloria Jean Breig

Chandler, Arizona
 Phoenix, Arizona
 Baker, Montana
 Norfolk, Virginia
 Tucson, Arizona
 Morenci, Arizona
 Casa Grande, Arizona
 Tempe, Arizona
 Phoenix, Arizona
 Bloomfield, New Mexico
 Phoenix, Arizona
 Phoenix, Arizona
 Anchorage, Alaska
 Phoenix, Arizona

Eric David Bridges
 Sally Ann Brooks
 Robert D. Burkett-Thomas
 Scott Paul Cassels
 James Thomas Clark
 Danell Hook Conway
 William Ray Conway
 Sebastian C.D. Cortone
 James Thomas Coveney, Jr.
 Carol Ann Cox
 Carlian Williams Cutright
 Ted H. Davis, Jr.
 Walter Dees, Jr.
 Frank Aaron DeWitt

Tucson, Arizona
 Tempe, Arizona
 Surprise, Arizona
 Hampton, New Jersey
 Chandler, Arizona
 Tucson, Arizona
 Tucson, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Phoenix, Arizona
 Tempe, Arizona
 Phoenix, Arizona
 Ajo, Arizona

Peter Akraasi Duah
Donald L. Dufek
Ronald L. Eidsen, Sr.
Vennetta Fern Ellsworth
Larry D. Eubanks
Rodney Dale Federwisch
Michael Lewis Forrest
Sherri Willett Forrest
Truett Nelson Forrest
Sandra Sue Forrey
Larry J. Fox
Joseph H. Gilboy
Paula Ann Gilmore
Emma Ornelas Gordoa
Helena Farrell Graham
Lola Ann Graham
Phillip Gray
Michael E. Haddow
Lecsa Marie Hall
Margherita Saitto Hall
Eunice E. Halford
William H. Hallward
Shyla Marie Hansen
Sheree L. Harnagel
Martha Inez Harris
Paul A. Hensiek
Julette Diana Holland
Donald Glenn Holt, Jr.
Steven Charles Ingram
Debra Ruth Irby
Mary Margaret Irvine
John Frederick Janssen
Douglas Johnson
David Charles Kimmel
James Jay King
Thomas Martin Kinnaman
Joseph Kokaly
Donna Ruth Lamartino
Norman Lockard
Lynne Luster
Paul A. Lyman
Geraldine June Malone
Raymond A. Marden, Jr.
Althea Marion Reems Mathis
Colleen Marie McElhone
David G. Mendoza
Robin Taylor Milne
Sylvia Marie Monroe
Jimmy Lloyd Moore

Ghana, West Africa
Lake Havasu City, Arizona
Phoenix, Arizona
Glendale, Arizona
Phoenix, Arizona
Glendale, Arizona
Phoenix, Arizona
Bandon, Oregon
Bandon, Oregon
Glendale, Arizona
Nashville, Tennessee
Phoenix, Arizona
Phoenix, Arizona
Glendale, Arizona
Scottsdale, Arizona
Phoenix, Arizona
Phoenix, Arizona
Huntington Park, California
Sacramento, California
Rome, Italy
Phoenix, Arizona
Scottsdale, Arizona
Anchorage, Alaska
Phoenix, Arizona
Magdalena, New Mexico
Phoenix, Arizona
Phoenix, Arizona
Glendale, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
New Castle, Pennsylvania
Phoenix, Arizona
Phoenix, Arizona
Buckeye, Arizona
Phoenix, Arizona
Hacktstown, New Jersey
Mesa, Arizona
Chelsea, Maine
Parker, Arizona
Peoria, Arizona
Phoenix, Arizona
Gallup, New Mexico
Glendale, Arizona
Yuma, Arizona
Phoenix, Arizona

Claire L. Coburn Moots
Randall Aaron Morton
Joan Ellen Nessa
Charles Robert Neumeyer
Candace Coleen Oman
Hiroshi Oshiro
Stephen Papps
Joan Elizabeth Peachey
Leila Jean Pegany
Susan Carol Peters
Jeanne Kay Phipps
Kenneth Plitt
Alvin Renaud
David Ernest Reno
Nancy L. Reynolds
Josef Richards
Kenneth Richards
William C. Risinger
Verna Rae Krueger Robertson
Kevin Ray Rowe
Betty Ann Ruby
Arthur D. Sandoval
Terry Louise Sapp
David Phillip Scaring
Daniel Arthur Schmidt
Lauretta Marie Simpson
Charles L. Slagle
Ann Loree Smith
Earl F. Smith
Wendell Roy Smock
Eric L. Snyder
David Alan Sorani
Juanita M. Steele
Michael R. Stoker
Verna Ann Sutton
Deborah Sue Tait
Terry Lynn Taylor
Mary Louise Toliver
Steen Vander Ploeg
Michael Joseph Veliz
Deborah Ann Walsh
Cecelia D. Whitman
Gail Wiegand
Jeffrey T. Williams
Gary Russell Wilson
Deborah Lynn Wood
Barbara Ann Worcester
Yuh Lois Wang Wu
Dianne Sue Yerkes

Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Wheatridge, Colorado
Phoenix, Arizona
Chicago, Illinois
Phoenix, Arizona
Phoenix, Arizona
Florence, Arizona
Phoenix, Arizona
Phoenix, Arizona
Show Low, Arizona
Scottsdale, Arizona
Glendale, Arizona
Hampton, New Jersey
Hampton, New Jersey
Buckeye, Arizona
Phoenix, Arizona
Denver, Colorado
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
San Diego, California
Yuma, Arizona
Phoenix, Arizona
Phoenix, Arizona
Glendale, Arizona
Glendale, Arizona
San Juan, Puerto Rico
Truckee, California
Phoenix, Arizona
Grand Junction, Colorado
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Glendale, Arizona
Phoenix, Arizona
Phoenix, Arizona
Tolleson, Arizona
Richmond, Virginia
Phoenix, Arizona
Glendale, Arizona
Phoenix, Arizona
Starkville, Mississippi
Tempe, Arizona
Tainan, Taiwan, R.O.C.
Mesa, Arizona

Robert A. Benham

Phoenix, Arizona

GRADUATES

1977

BACHELOR OF ARTS

Sandra Lee Alger
Elva Claryce Allen
Terry Wayne Arnold
Rick G. Barbarick
Thomas R. Belew, Jr.
William Arthur Bennett
Granville Francis Billingsley II
Joseph W. Blair
Judith Ann Borders
Mildred Genevieve Buckled
Joyce Ann Goodman Burgmann
Esther Rose Burkholder
Greta M. Chapman
John Dominique Croteau
Cynthia Curry
Carolyn Sue Tagger Daniels
Edward D. Dawkins II
Mark Douglas
Pamela Sharlene Duggins
Kathleen Eaton
Robert B. Eckel
Gerald Ervin
Robert Michael Forry
Donald Mark Frost
Janice Kay Garland
Gregory James Gearing
Jesse L. Gipson
Claude G. Gosney
Mary Ballinger Gray
Scott Lee Hallman
Joan Erin Haskell
Rodney Clark Henely
Sylvia J. Horton
Debbie Huddleston
George Allen Hull
Erin Kathleen Jacobs
Sandra Jean Johnson
Don Wayne Jones
James Andrew Jordan
Philip L. King
Lawrence Edward Lahaie

Lake Havasu City
Tucson
Arizona City
Cottonwood
Phoenix
Amityville, N.Y.
Casa Grande
Oldwick, New Jersey
Phoenix
Phoenix
Ladora, Iowa
Phoenix
Phoenix
Sherbrooke, Quebec
Yakima, Washington
Tucson
Albuquerque, N.M.
Tucson
Winslow
Phoenix
Phoenix
Phoenix
Baltimore, Md.
Phoenix
Phoenix
Glendale
Glendale
Phoenix
Tucson
Garland, Texas
Phoenix
Glendale
Phoenix
Indian Springs, Nevada
Phoenix
Phoenix
Phoenix
Phoenix
Farmington, N.M.
Phoenix
Phoenix

Carol Ann Larson
Marvin Bernard Lee
Gayle Elaine Livingston
Arnold R. Lopez
Floyd L. Lowe
Robert Lundquist
David R. Luster
Susan Marie Madison
Steven John Malakowsky
Richard C. Mason
Thomas E. McAllister, Jr.
Barry Allen McBride
Max Edwin McQueen
Marian Alice Barker Medley
Mildred Frances Moore
C. Dennis Newkirk
Deborah Grasso Nutting
Mary Ellen Cooper Palenica
Harold Alan Peachey
Duane R. Poole
Juan Rascon Rubio
Timothy X. Schwaiger
Peggy Farmer Seals
Curt J. Siegfried
James Leon Shroyer
Steven Lee Smith
Carol Ann Locklear Snowden
Susan Lynn Szymborski
Paul Temple
Tommy Lee Thomas
Gail Edward Wade
Harold Ray Wager, Sr.
James Albert Walker
Larry W. Ward
Russell M. Watson
Diana Christine Deselms Weir
Joan Wellish
Harry Garfield Wilcox, Jr.
John Paul Wilson
Linda Patricia Zapien
Guy Zody

Phoenix
Detroit, Michigan
Phoenix
Solomon
Glendale
Las Vegas, Nevada
Mesa
Phoenix
Phoenix
Phoenix
Glendale
Phoenix
Phoenix
Sierra Vista
St. Charleston, West Virginia
Phoenix
Phoenix
Phoenix
Phoenix
Detroit, Michigan
Wilcox
Sidney, Ohio
Phoenix
Abbington, Pa.
Phoenix
Oklahoma City, Okla.
Phoenix
Phoenix
Phoenix
Phoenix
Morenci
Phoenix
Scottsdale
Phoenix
Phoenix
Mesa
Phoenix
Phoenix
Phoenix
Phoenix
Phoenix
Phoenix

BACHELOR OF SCIENCE

Robert Earl Addicott
Joel R. Alexander
Theresa Yvonne Amon
Ruthann Archer
Nelson B. Armstrong
Gerald W. Backhaus
Emma E. Baird
Stewart Andrew Blomeyer
Thomas A. Bordigioni

Pittsburgh, Pa.
Baker, Montana
Phoenix
Phoenix
Phoenix
Phoenix
Phoenix
Phoenix
Scottsdale
Las Vegas, Nevada

Gerald C. Bracken
Warren L. Brocker
Richard H. Brooks, Jr.
Gus Burrue, Jr.
Brian Alan Butler
Charles Earl Cady III
Jerry Dale Carver
Louis Clah
James Robert Clark

Glendale
Franklin Square, N.Y.
Phoenix
Glendale
Phoenix
Phoenix
Dallas
Phoenix
Phoenix

(Bachelor of Science . . . cont'd.)

Charles Coleman	Phoenix	Edwin C. Martin	Phoenix
John A. Collins	Phoenix	Frank K. Mazzacua, Jr.	Phoenix
James D. Crowley	Farmington, N.M.	Robert B. McKee	Scottsdale
Sandra Dawkins	Phoenix	Allen R. McKenas	Phoenix
Rosaura Vivian Dominguez	Tolleson	Richard E. McMahon	Richwood, Ohio
Ruth C. Dent	Phoenix	William G. Mears	Phoenix
Jovita Marie Emery	Phoenix	Elaine Marie Mickelsen	Phoenix
Valerie C. Endsley	Phoenix	Rhonda Lea Mills	Inglewood, California
John Erb	Phoenix	Sharon A. Milotz	Phoenix
Patricia D. Erb	Phoenix	R. Kenneth Neighbor	Tempe
Jon Forrest	Bandon, Oregon	Gladys Lee Nicoson	Gilbert
Shari Lynn French	Phoenix	Jeanne H. Oesterle	Phoenix
Timothy A. Gray	Phoenix	Joseph E. Patz	Angola, N.Y.
Billy Allen Gumm	Phoenix	Justice Casey Percell	Tucson
Laurie I. Hailey	Glendale	Robert R. Perry	Glendale
Russell E. Hall	Phoenix	Dale E. Peterson	Scottsdale
Sarah LaNell Hampson	Sheffield, Alabama	Richard O. Pettit, Jr.	Phoenix
Victor Laverne Harrel, Jr.	Phoenix	Jerry Phipps	Phoenix
Syed Hasan	Parachi, Pakistan	John E. Quillen	Glendale
Genevieve M. Hawk	Manila, Philippines	Khaled A. M. Qutob	Jerusalem
Gerald D. Heffelfinger	Phoenix	Charles William Rhode	Phoenix
Sharon E. Heiselmeyer	Phoenix	Rebecca A. Robinson	Sierra Vista
Mary Louise Herrmann	Phoenix	John W. Sapp	Jackson, Mississippi
Rodney Hightower	Phoenix	Grace W. Scates	Glendale
Rebecca Lee Hoff	Goodyear	Gregory Scott Schmid	Phoenix
Keith Holliday	Uniontown, Pa.	Gail Louise Schmidt	Glendale
L. L. Holm, Jr.	Newark, Del.	Darrell B. Schultz	Phoenix
Steven Vaughn Ingram	Glendale	Mark E. Shaeffer	Glendale
Edith Christine Jensen	Farmington, N.M.	Leslie E. Shively	Phoenix
Brenda Rae Johnson	Glendale	Gary L. Slaughter	Phoenix
Buddy Freeman Jones	Memphis, Tenn.	Susan Claire Slaughter	Phoenix
Deborah Elaine Bradford Jones	Phoenix	Judee L. Soilazzo	Thousand Oaks, California
Paul L. Jones	Peoria	Virginia C. Stewart	Glendale
Karen Lee Kennedy	Pittsburgh, Pa.	Roseita Stuart	Bristow, Oklahoma
Judith Ann King	Kingman	Don R. Summers	Glendale
Emil John Kotalik	Phoenix	Wanda Joyce Tallman	Phoenix
Karen M. Krause	Glendale	Ruth Ann Tamilo	Phoenix
Gail Kathleen Lacy	Glendale	Bradley M. Tarrant	Glendale
Ronald R. Lacy	Phoenix	Coy Eugene Taylor	Phoenix
Grace A. LaScala	Kalamazoo, Michigan	Charlene A. Turner	Buckeye
Leonard K. Lausen	Scottsdale	Joan M. Uecker	Phoenix
Kristi Karol Wood Lawrence	Phoenix	Victoria Leah Vaughan	Silver City, N. M.
Larry V. Laxton	Spokane, Washington	Joyce C. Wagner	Glendale
Ruth Leatherwood	Tucson	Carolyn Sue Weide	Laveen
Gail Dean Lewis	Mesa	David Riley Whiting	Mesa
Charles Jeffrey MacDonald	Bandon, Oregon	Joseph John Wiechec	Phoenix
Maxine Maier	Oakmont, Pa.	Byron B. Woolley	Phoenix
Daniel Richard Martin	Tempe		

BACHELOR OF GENERAL STUDIES

GARY Allen Williams

Glendale

UNDUPLICATED ENROLLMENT STATISTICS

June 1, 1976—May 31, 1977

STATES REPRESENTED IN STUDENT BODY

Fall, 1977

1329 Arizona	3 Montana
1 Alabama	4 Nebraska
3 Alaska	18 Nevada
8 Arkansas	7 New Jersey
26 California	40 New Mexico
25 Colorado	6 New York
3 Connecticut	3 North Dakota
1 Delaware	9 Ohio
5 Florida	8 Oklahoma
2 Georgia	15 Oregon
6 Hawaii	7 Pennsylvania
2 Idaho	1 South Carolina
8 Illinois	1 South Dakota
2 Indiana	3 Tennessee
4 Iowa	12 Texas
2 Kansas	3 Utah
2 Louisiana	4 Virginia
2 Massachusetts	16 Washington
9 Michigan	5 Wisconsin
33 Minnesota	4 Wyoming
1 Mississippi	
3 Missouri	

1646 students from 42 states**STUDENTS FROM FOREIGN COUNTRIES**

2 Canada	1 Israel
3 Japan	1 Uruguay
1 Taiwan	1 Pakistan
2 Nigeria	1 Gambia
1 Ghana	2 Saudi Arabia
1 Thailand	

16 from 11 countries

ENROLLMENT STATISTICS

June 1, 1976 to May 31, 1977

	<u>Women</u>	<u>Men</u>	<u>Total</u>
Freshmen	126	155	281
Sophomores	99	123	222
Juniors	111	154	265
Seniors	154	220	374
Auditors	4	3	7
*Specials	248	265	513
	<u>742</u>	<u>920</u>	<u>1662</u>

* Includes students enrolled in the Fifth-year Program of Teacher Training

RELIGIOUS AFFILIATION OF STUDENTS ENROLLED

June 1, 1976—May 31, 1977

661 Southern Baptist	1 Serbian Orthodox
167 Other Baptist	3 Greek Orthodox
11 Assembly of God	4 Independent
4 Apostolic Christian	17 Interdenominational
41 Heart to Heart Bible	7 Jewish
7 Brethren	25 Latter Day Saints
141 Catholic	64 Lutheran
3 Charismatic	76 Methodist
21 Christian Disciples	5 Mennonite
6 Christian Reformed	3 Muslim
1 Christian Scientist	4 Missionary
18 Church of Christ	15 Nazarene
22 Church of God	16 Non-denominational
4 Community	6 Pentecostal
7 Congregational	1 Pentecostal Holiness
6 Covenant	42 Presbyterian
24 Episcopal	1 Quaker
5 Evangelical Free Church	4 Reformed
1 Evangelical United Brethren	1 Reformed Presbyterian
1 Evangelical Methodist	5 Salvation Army
1 Foursquare Gospel	3 Seventh Day Adventist
9 Free Methodist	2 Unity
2 Friends	1 Wesleyan Methodist
1 Full Gospel	192 No Membership Indicated
	<u>1662</u>



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