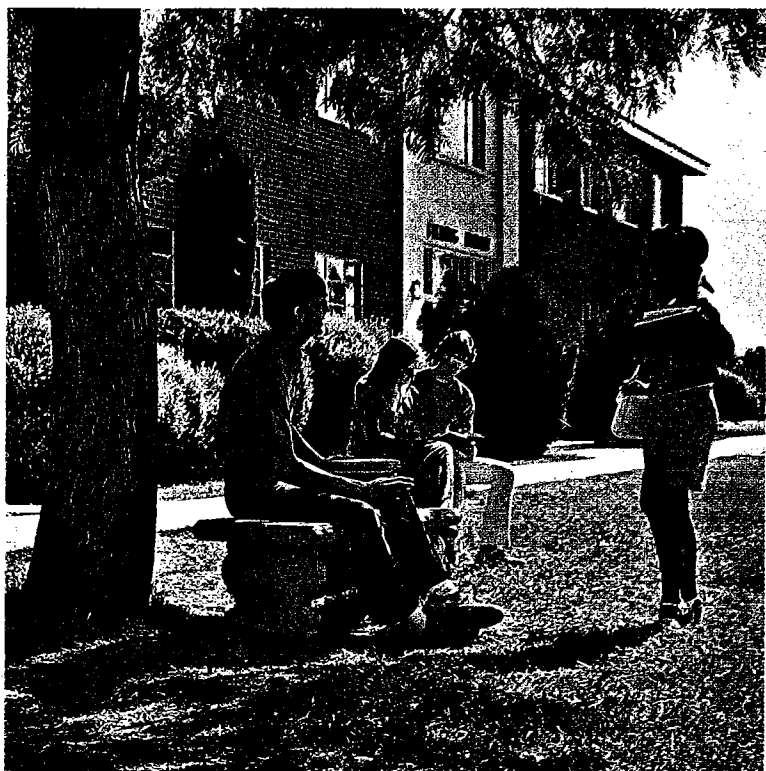


M A B E N

Grand Canyon College Phoenix, Arizona BULLETIN

1976-1977
1977-1978



53.1

VOLUME XXV

FEBRUARY, 1976

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*



1976-77

1977-78

Directory for Correspondence

College Mailing Address	Grand Canyon College 3300 W. Camelback Road P. O. Box 11097 Phoenix, Arizona 85061
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	Vice President for Student Affairs
Tuition Grants for Ministerial Students	Director of Religious Activities
Dormitories and Housing	Vice President for Student Affairs or Dean of Women
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

	1976	1977
Faculty Workshop	Aug. 30	Sept. 2
Dormitories open 8:00 a.m., 1:00 p.m.	Aug. 30	Sept. 5
Conferences, placement tests, and orientation for new students	Aug. 31	Sept. 6
Registration for Seniors, Juniors, Sophomores	Aug. 31	Sept. 7
Registration for Freshmen and Transfers	Sept. 1	Sept. 8
Instruction begins (Thurs.)	Sept. 2	Sept. 8, 12, 13
Evening Registration	Sept. 2, 6, 7	Sept. 8
Instruction begins, evening classes	Sept. 2	Sept. 8
Last day to register for credit	Sept. 13	Sept. 19
Records close for mid-term	Oct. 22	Oct. 28
Mid-term grade reports due	Oct. 27	Nov. 2
Founders Day (Monday)	Nov. 8	Nov. 6
Veterans Day (Day classes only)	Nov. 11	Nov. 11
Last day to drop courses without penalty	Nov. 15	Nov. 16
Thanksgiving Holidays	Nov. 25-29	Nov. 24-27
Final Examinations (5th period MWF held on Dec. 10) ...	Dec. 13-16	Dec. 19-22
Grade reports due	Dec. 17	Dec. 23
Christmas Holidays	Dec. 17-Jan. 2	Dec. 23-Jan. 8

STUDENT TEACHING

Classes begin	Sept. 2	Sept. 8
Classes end	Oct. 29	Nov. 4
Student teaching begins	Nov. 1	Nov. 7
Student teaching ends	Jan. 14	Jan. 20
Semester break for student teachers	Jan. 15-24	Jan. 21-29
January Term begins (Monday)	Jan. 3	Jan. 9 (Mon.)
January Term ends (Friday)	Jan. 21	Jan. 27 (Fri.)
January Term reports due by 12:00 noon	Jan. 22	Jan. 28

1976

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

SUMMER SESSIONS*

1976	Presessions	May 31-June 11
	First Term	June 4-July 9
	Second Term	July 10-August 13
1977	Presessions	May 23-June 10
	First Term	June 10-July 15
	Second Term	July 16-August 19
1978	Presessions	May 29-June 9
	First Term	June 9-July 14
	Second Term	July 15-August 18

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

ACADEMIC CALENDAR — SPRING SEMESTER 1977

	1977	1978
Dormitories open for new students	Jan. 24	Jan. 30
Conferences for new students	Jan. 25	Jan. 31
Registration of Seniors, Juniors, and Sophomores	Jan. 25	Jan. 31
Registration of Freshmen and Transfers	Jan. 26	Feb. 1
Instruction begins, day classes	Jan. 27	Feb. 2
Evening registration	Jan. 27, 31, Feb. 1	Feb. 2, 6, 7
Instruction begins, evening classes	Jan. 27	Feb. 2
Last day to register for credit	Feb. 7	Feb. 13
Records close for mid-term grades	Mar. 18	Mar. 24
Mid-term grade reports due by 12:00 noon	Mar. 23	Mar. 27
Spring vacation	Apr. 9-17 4-11	Mar. 25-Apr. 2 20-27
Last day to drop courses without penalty	Apr. 19	Apr. 12
Grade reports for Seniors due 12:00	May 19	May 25
Final examinations	May 13-19	May 19-25
Grade reports due 5:00 p.m.	May 20	May 29
Baccalaureate service 10:00 a.m.	May 21	May 27
Commencement 5:00 p.m.	May 21	May 27

STUDENT TEACHING:

Dormitories open to student teachers	Jan 24	Jan. 30
Classes begin	Jan. 27	Feb. 2
Classes end	Mar. 25	Mar. 24
Student teaching begins	Mar. 28	Apr. 3
Student teaching ends	May 27	June 2

1977							1978						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
JANUARY							JANUARY						
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2	3	4	5	6	7	8	1	2	3	4	5	6	7
9	10	11	12	13	14	15	8	9	10	11	12	13	14
16	17	18	19	20	21	22	15	16	17	18	19	20	21
23	24	25	26	27	28	29	22	23	24	25	26	27	28
30	31						29	30	31				
FEBRUARY							FEBRUARY						
		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						26	27	28				
MARCH							MARCH						
		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	31	
APRIL							APRIL						
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3	4	5	6	7	8	9	2	3	4	5	6	7	8
10	11	12	13	14	15	16	9	10	11	12	13	14	15
17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29
MAY							MAY						
1	2	3	4	5	6	7	1	2	3	4	5	6	7
8	9	10	11	12	13	14	8	9	10	11	12	13	14
15	16	17	18	19	20	21	15	16	17	18	19	20	21
22	23	24	25	26	27	28	22	23	24	25	26	27	28
29	30	31					29	30	31				
JUNE							JUNE						
				1	2	3					1	2	3
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12	13	14	15	16	17	18	11	12	13	14	15	16	17
19	20	21	22	23	24	25	18	19	20	21	22	23	24
26	27	28	29	30			25	26	27	28	29	30	
JULY							JULY						
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3	4	5	6	7	8	9	2	3	4	5	6	7	8
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17	18	19	20	21	22	23	16	17	18	19	20	21	22
24	25	26	27	28	29	30	23	24	25	26	27	28	29
31							30	31					
AUGUST							AUGUST						
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SEPTEMBER							SEPTEMBER						
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18	19	20	21	22	23	24	18	19	20	21	22	23	24
25	26	27	28	29	30		25	26	27	28	29	30	
OCTOBER							OCTOBER						
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2	3	4	5	6	7	8	1	2	3	4	5	6	7
9	10	11	12	13	14	15	8	9	10	11	12	13	14
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23	24	25	26	27	28	29	22	23	24	25	26	27	28
30	31						29	30	31				
NOVEMBER							NOVEMBER						
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20	21	22	23	24	25	26	19	20	21	22	23	24	25
27	28	29	30				26	27	28	29	30		
DECEMBER							DECEMBER						
4	5	6	7	8	9	10	4	5	6	7	8	9	10
11	12	13	14	15	16	17	11	12	13	14	15	16	17
18	19	20	21	22	23	24	18	19	20	21	22	23	24
25	26	27	28	29	30	31	25	26	27	28	29	30	31



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.

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 Secondary Schools.

The Department of Public Instruction of Arizona 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, the Association for Innovation in Higher Education, and the American Association of Colleges of Teacher Education.

The College is approved by the Veterans Administration for education of veterans and dependents under Title 38 of the United States Code.

Some popular features of the 1976 January Term include a study in oceanography utilizing the Gulf of California, a tour into neighboring Mexico, and a number of journeys into the Arizona deserts and mountains to study mines and minerals.

Three semester hours of credit are given for the January Term. Regular tuition rates are charged plus a \$15.00 special activities fee. Grading is on a credit or non-credit basis with the emphasis on active participation and individual accomplishment rather than competition for letter grades. 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 may elect to satisfy certain general studies or major or minor requirements during the interterm.

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, Elementary Education 353, Education 313, and Education 412; for secondary apprentice teaching, High School Education 443, Education 313, and Education 412.

Student teachers must file with the Director of Teacher Education a transcript from each institution attended, two letters of recommendation, three copies of a recent photograph, and a report of a current chest x-ray. 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 \$45.00 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-

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 1,304,000 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. Thousand 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 Energy-Science Building was begun in 1974.

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 Mr. William Fleming, together with his widow, Mrs. 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 71,000 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.

Gymnasium-Auditorium

The red brick gymnasium-auditorium has an especially fine maple playing floor. 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.

Bright Angel Hall

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

Kaibab Hall

East Kaibab Hall, named for Kaibab Forest, was completed in 1963. It is similar to Bright Angel Hall. An addition, Kaibab West, was completed in 1967. The east and west wings combined have a total capacity of 118.

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.

Tell Energy-Science Building

The Tell Energy-Science Building is scheduled for completion in 1976 in time for the fall semester. 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

Memorial Endowment Funds

Fall semester and January term, 7-day meal ticket	394.00
Spring semester, 7-day meal ticket	326.00
January Term, 5-day meal ticket	58.00
January Term, 7-day meal ticket	68.00

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)	45.00
Audit fee, per semester hour (Scholarships do not apply)	45.00
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
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
(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

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 during 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)	34.00
(See page 26)	

Special Class Fees

January Term	\$ 15.00
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

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	5.00
High School Education 328. STUDENT TEACHING IN HIGH SCHOOL	40.00
High School Education 326. STUDENT TEACHING IN HIGH SCHOOL	30.00
Placement Fee (Paid during the term of student teaching or upon request for service of the Placement Office)	15.00

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 00. 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, between close of spring semester and opening of the first summer term, and between end of the summer term and opening for 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.

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. New applications received between October 1 and December 1 will be given preferential consideration. Continuing, returning, and transfer students who apply for financial aid before March 15 will be given preference.

All correspondence regarding on-campus employment, loans, grants, 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, one who plans to earn his way should have enough money to carry him through 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.

In addition to campus employment there are some off-campus jobs available. Persons who are interested in such employment should communicate with the Vice President for Student Affairs.

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 Student 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 *freshman* 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.

Peter 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 and Tuition Grants

1. Scholarships and grants 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 are administered by the Scholarship Committee.
3. No renewals are automatic. Applications for all scholarships and tuition 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 grants 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 personnel 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

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

Athletics. A limited number of basketball, baseball, golf, and tennis scholarships up to full tuition are granted, depending upon availability of funds.

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.

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.

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 Scholarships 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 *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 Scholarships 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 of the College. The completed form should be mailed to the address indicated thereon.

Supplemental Economic 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 the areas of publications, intramural sports, and dormitory assistants, for the annual stipends designated:

Canyon Trails (yearbook)

Editor	\$720
Assistant Editor	360
Photographer	475

Canyon Echoes (student newspaper)

Co-editor (2)	720
Photographer	475

Intramurals

Co-director (2)	475
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Dormitory Assistants

4 for women's dormitories	541
3 for men's dormitories	541

THE MEMORIAL ENDOWMENT FUND

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. The following funds and memorial gifts comprise the Memorial Endowment Fund:

Alumni Association Endowment Fund
Honor Deacon Memorial Endowment Fund

Mrs. Alice Aly

Rev. William A. Barclay

Fred R. and Dorothy G. Barnes

Jenna C. Bellah

C. F. Bickers

Mrs. Beulah Boydston

Mrs. J. H. Brock

William Bryan

Mrs. Nan Byrd

Mrs. Betty Coffin

Mrs. Helen H. Cogland

R. D. Cook

Cecil Datson

Melvin W. David

Lucille Dickson

H. V. Dobkins

Mrs. Gloria Dodd

John Durden

Miss Ona Eblen

Mrs. Beulah Ferguson

Eddie Garcia

Alice Graham

S. F. Hawkins

Mrs. Harold F. Hensley

Mrs. Pearl Hintze

Mrs. Inez Humphrey

Albert Johnson

Anna Belle Johnson

Mrs. Hazel Jones

Margaret Jones

Rev. O. M. Jones

Tom S. Kent

Mrs. Ethel Kirby

Mary Lee

Dr. James D. Marler

Col. Otis W. May

Mrs. Rena Mayse

Clyde McKissack

Mrs. John McLeod (Scotland)

Paul Miller

Paul E. Nicholson

Mrs. Carrie Pack

Clyde Pennington

Mrs. Vona Poling

Rev. J. Frank Potts

Dallas Reeves

Mrs. Carolyn Richardson

William J. Ridgeway

Sam Scott

Chester Neil Simmons

Mrs. Ella Stebbins

C. T. Stevens

Oscar Taylor

Mrs. Robert Taylor

Mrs. Elvira Weathersbee

Col. Paul A. Weidenheimer

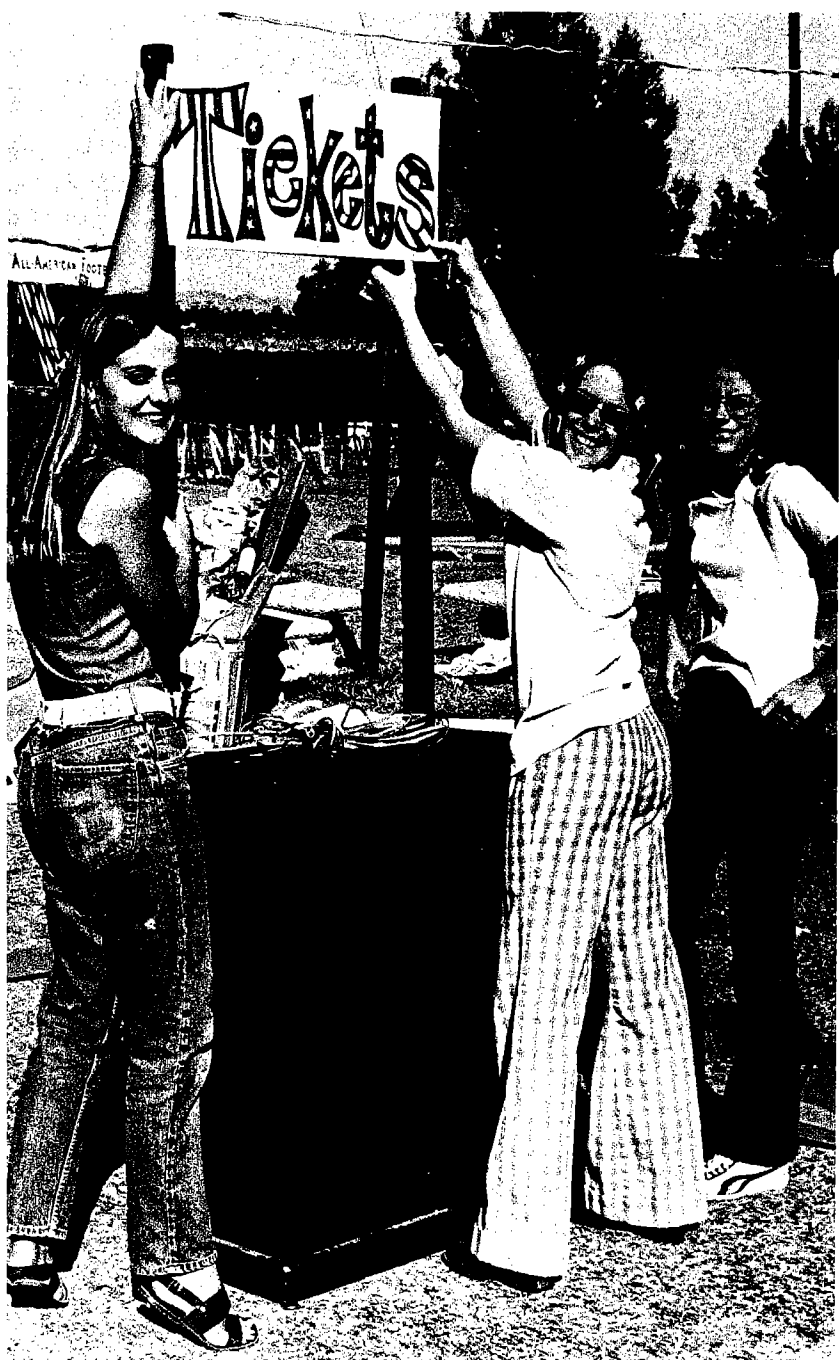
Henry C. Whitley

Mrs. Floy B. Williams

Rev. George Williams

Richard Wingham

Mr. Wyatt



III. Student Life

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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 ideals 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 forbid-

den. 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.

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.

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 Dean of Women.

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 or Religious Focus 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.

ABSENCES FROM CAMPUS AND CITY

The Dean of Women or the Vice President for Student Affairs may restrict absences from the campus and city on the part of students whose scholastic standing is in question. Absences of residents in the dormitories are further governed by dormitory regulations. (See p. 76 for statement concerning absence from classes.)

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 co-ordinating 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

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 lenses 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 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. Nine 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 Work Ministries 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

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 pages 00 and 00.

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 73.

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, scholarship, 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, operettas, 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 and Orchestra 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 46 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. Freshmen are assigned three to a room. All other students are housed two to a room. The interests of the dormitory as a home, and sometimes the interests of the individual himself, may demand that he change his place of residence.

The dormitories are normally closed during the Christmas holidays and open during other recesses. Under certain circumstances, students may be permitted to stay in the dormitories when school is not in session. (See page 27 for the cost.)

All students residing in the dormitories must eat their 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 71.

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 for him must be provided at his 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 \$35.00 per semester. All students living in the dormitories must have hospitalization insurance and commuting students are encouraged to have it. (See page 00.) All international students are required to carry medical and hospitalization insurance.

Guidance

Education and vocational guidance services are provided without special fee to all students.

Educational and vocational tests are available to students for a fee of \$5.00. This service includes a vocational inventory, special aptitude tests, and general psychological examinations.

Counseling

The counseling program, rather than being a vocational guidance program, is designed to promote life adjustment and to increase the student's receptivity to the total college experience. This program is under the supervision of a special committee on counseling and includes all students. Members of the faculty and staff serve as counselors and advisers.

Teacher Placement

A teacher placement bureau is maintained by the College for persons who have completed their work at Grand Canyon College. A follow-up program covering a period of five years has also been designed for the benefit of the institution and its former students.

There is an initial placement application fee of \$15.00 for this service.



TRADITIONAL EVENTS

All-School Welcome Party
Reception For New Students and Faculty
All-School Picnic
Parents' Weekend
State B.S.U. Convention
Harvest Festival
Founders Day
Tour to Grand Canyon
Spiritual Emphasis Week or Religious Focus Week
Thanksgiving Breakfast
Friends of the Library Book Reviews
Dramatic Presentations
Hanging of the Green
High School Round-Up
Needy Children's Christmas Party
Christmas Party for International Students
Choralaire's Christmas Concert
Oratorio Society Performance
Homecoming
Spring Banquet
Honors Day
Southern Arizona Tour
Baptist Youth Day
Choralaire's Tour
Choralaire's Spring Concert
State B.S.U. Spring Retreat
Varsity Dinner
Junior-Senior Banquet
Senior Class Day



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

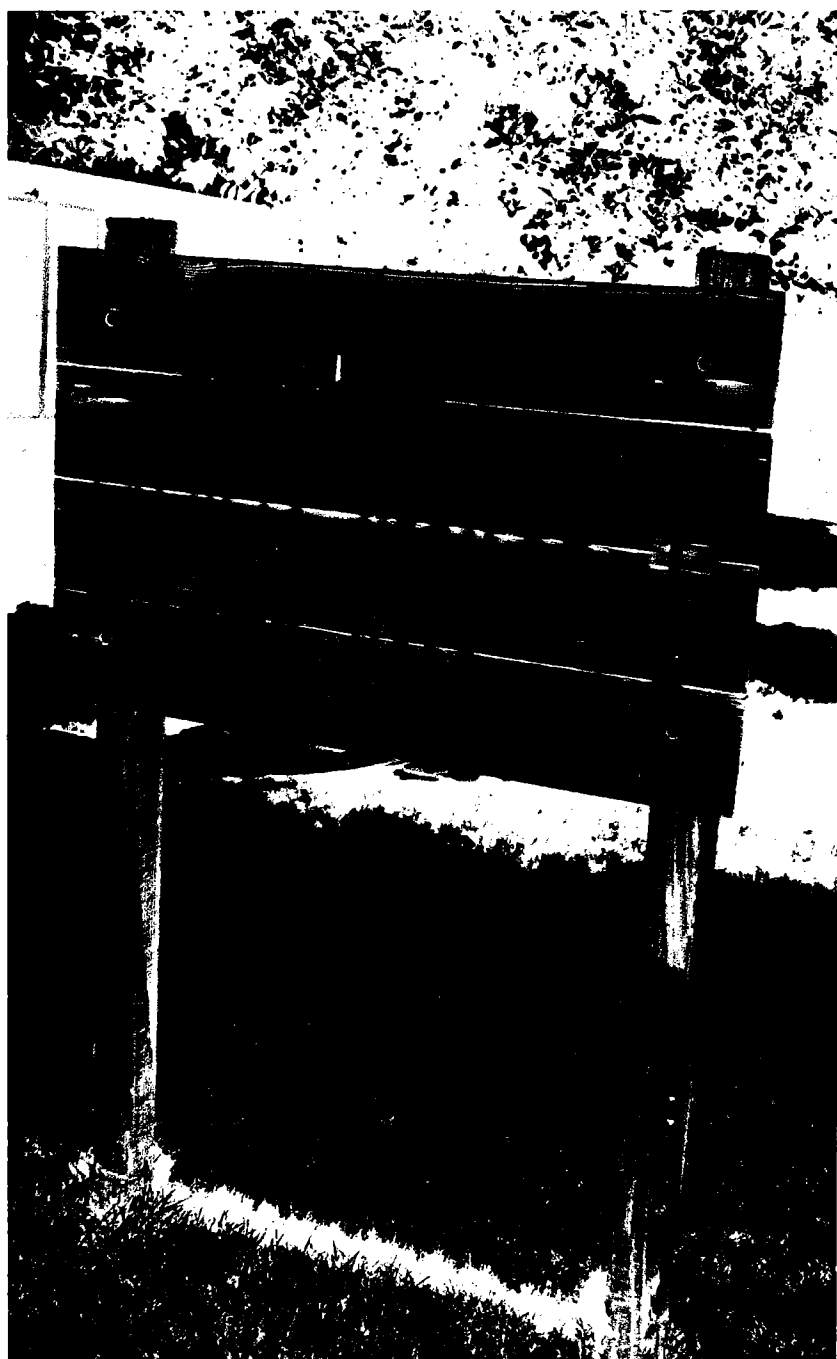
Entrance Examinations

Readmission

Transfer Students

Direct Transfer Plan

International Students



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.

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.

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 54.) 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 66.

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 81 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 63), 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, a student transferring from another college must have on file in the Registrar's office a transcript of all work attempted at the institutions previously attended. An applicant is never permitted to disregard his record of any previous enrollment in any other institution of higher education. Transcripts received through the hands of students are not acceptable as a basis for admission. It is the responsibility of the student to request that his transcripts be mailed to the Registrar.

A transfer student who is eligible to be classified as a senior must also pass the English usage test and file on Application for Graduation. (See pages 82 and 83.)

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 61 and 64.)

A student who has been asked to withdraw from another college because of poor scholarship or for any other reason is considered for acceptance only if the

period of suspension set by the former institution has elapsed and the college from which the student was asked to withdraw reinstates him. During his first semester he 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 student 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.

One can transfer to Grand Canyon College without losing any earned credits. For further information one may contact the Vice-President for Academic Affairs, or the Director of Admissions of Grand Canyon College or the Counselor in his 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.

The person must also furnish evidence of financial ability to support himself 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
Absences from Campus and City
Permission to Take Examinations Late
Correspondence and Extension Credit
Special Courses by Independent Study
Audit Privileges for Honor Students
Honors Study Program



GENERAL ACADEMIC REGULATIONS

DEFINITION OF SEMESTER HOUR

Grand Canyon College operates on the semester plan, offering two regular semesters of 15 weeks each. Credit is expressed in terms of semester hours. One semester hour normally requires the equivalent of one 50-minute class period per week throughout a semester. Adaptations of this principle are sometimes employed, especially in music and in laboratory courses. Summer sessions, composed of two terms of five weeks each, are operated on an accelerated schedule which is in accord with the semester hour principle. An interterm course for three hours' credit is offered in January of each year. One 3-hour interterm course for each 24 hours taken at Grand Canyon College is required for graduation.

NUMBERING OF COURSES

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

Courses from 100 to 199 are freshman courses.	}	Lower division
Courses from 200 to 299 are sophomore courses.		
Courses from 300 to 399 are junior courses.	}	Upper division
Courses from 400 to 499 are senior courses.		

Usually a freshman will not be permitted to take a course which bears a number higher than 299 and a sophomore not higher than 399.

The final digit indicates the number of semester hours of credit given.

CLASSIFICATION OF STUDENTS

A student is classified as a freshman until he has 30 semester hours.

A student is classified as a sophomore when he has 30 to 60 semester hours.

A student is classified as a junior when he has 60 to 90 semester hours.

A student is classified as a senior when he has 91 semester hours of credit, has earned a grade index of 2.00 or above, has passed the English Usage Examination, and has filed an approved plan and application for graduation.

A student is not permitted to graduate at the end of a semester or term which he began with a grade index of less than 2.00. He must be officially classified as a senior when he registers for his final semester or term before graduation.

Special Students—those students who are not working toward a degree and are not included in the above classification.

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

ORDER OF TAKING COURSES

A student normally is expected to take required courses at the earliest opportunity. A student classified as a senior is not permitted to take as an elective a freshman level course without permission from the Vice President for Academic Affairs.

GRADING SYSTEM AND QUALITY POINTS

Grade Meaning	Quality Points per Hour
A Superior; extraordinary scholarship; outstanding performance	4
B Far above average; unusually good work	3
C Average; standard performance; acceptable college work	2
D Passing, but below standard	1
F Failure or unauthorized withdrawal	0
I Incomplete (see note below)	0
W Authorized withdrawal; no credit	0
Cr* Credit given, but no grade or quality points	0
S Satisfactory completion of audit or non-credit course	0
U Additional work needed to meet requirements in non-credit or non-grade course	0

*Not counted in computing grade point averages.

Note: Incomplete grades (I) are given only under seriously extenuating circumstances. The work must be completed within the next semester; otherwise the incomplete grade becomes "F". (Music majors are referred to page 160.)

The grade point index is obtained by dividing the total number of quality points earned by the total number of semester hours attempted. Courses in which grades of W, Cr, S, or U were earned are not included in determining grade point average.

Computation of GPA

HONOR POINTS COMPUTATION

Honor points are reckoned on a scale of 4. For instance, one quarter hour of ... 4 quality points.

ACADEMIC HONORS

Graduation with Honors

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

An index of 3.40 to 3.59 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, a transfer student must meet or exceed the grade index requirement for that honor both on his work done at Grand Canyon College and on his total college work.

Other Honors

Other honors related to academic achievement are described on pages 50 and 51.

COURSE LOAD

A student living on campus is 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.

A freshman normally is not permitted to register for more than 16 hours, including the three semester hour January term, during his 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.

No student may register for more than 17 hours except upon recommendation of his 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. A student who has employment other than school work should not take more than 15 hours of college work.
2. A student working 20 hours or more per week who does not show satisfactory progress at the end of the first grade period may be required to reduce his work schedule or his course load.

MAXIMUM NUMBER OF HOURS IN A SUBJECT

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.

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 he has completed his registration a student is not permitted to make a change in his courses 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 28.)

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 a student 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.

A student must also have a "C" average (2.00) in his major and, except for courses taken as part of General Studies, he may not count toward his major any course in which he made a grade below "C."

A candidate for a secondary teaching certificate must have a "C+" average (2.50) in his teaching major.

In calculating a student's grade point average in his major, work transferred in his 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 who has a grade index of less than 1.50 at the end of the academic year is automatically suspended for one semester.

A student who does not have a grade index of 1.75 by the time he earns 60 semester hours of credit is automatically suspended for one semester.

A student who does not make satisfactory academic progress may continue at Grand Canyon College only with permission of the Academic Affairs Committee. Normally, a student's academic progress is considered unsatisfactory unless he has a cumulative grade index of at least 2.00 by the time he earns 90 semester hours of credit.

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

ACADEMIC PROBATION

A student who is admitted from the third quartile of his high school graduating class and who does not have a composite ACT standard score of 20 or above is admitted on academic probation.

A student whose cumulative average on work attempted in Grand Canyon College drops below "C" is 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 82.)

PROVISIONAL STATUS

A transfer student admitted with less than a "C" average, or a person reinstated after academic suspension, is admitted provisionally. A person thus admitted retains provisional status until he has earned a total of at least 12 hours in Grand Canyon College and has earned a cumulative grade point average of 2.00. If he does not have an average of 2.00 by the time he earns 12 hours, he is 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 inter-collegiate 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 his 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, the student must account to his instructor immediately after his return to class in the manner prescribed by his 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.

ABSENCES FROM CAMPUS AND CITY

The Dean of Women or the Vice President for Student Affairs may restrict absences from the campus and city on the part of students whose scholastic standing is in question. Absence of residents in the dormitories are further restricted by policies of the residence halls concerned.

PERMISSION TO TAKE EXAMINATIONS LATE

Under certain conditions a student may be permitted to take a major examination which he missed. In all such cases the student must account to the instructor for his absence and must present a receipt from the Business Office showing payment of the necessary fee. (See page 25.)

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. A student 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 he enrolls in a seminary extension course.

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.

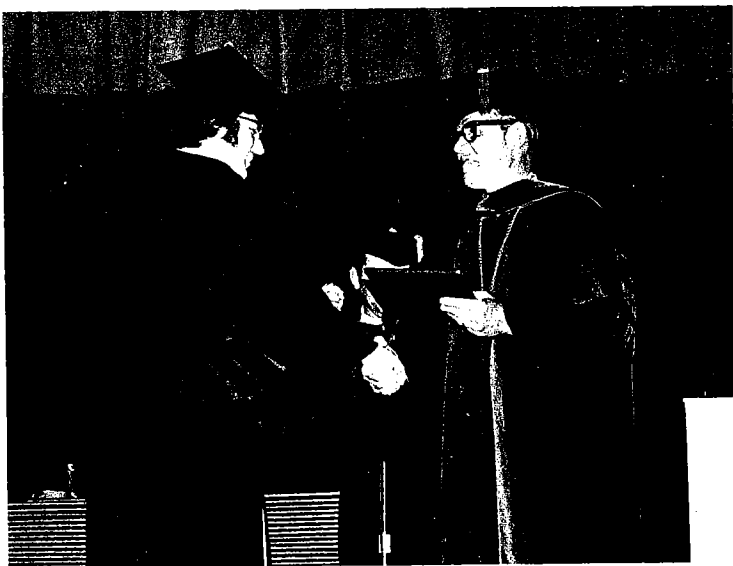
3. **Reading and Conference.** Any course listed in the catalog may be taken by reading and conference with the instructor, with approval of the department chairman and the Vice President for Academic Affairs. The student must have a legitimate reason for seeking course credit through reading and conference. 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 the fall semester may audit one course without charge during the next spring semester or summer session. A student who qualifies for the Dean's List during the spring semester may audit one course during the next summer session or fall semester. Students are expected to audit courses in which they have an interest but which are not a part of their regular program. No student may audit a course which he plans to take for credit at a later date. This audit privilege covers the regular audit fee for any course offered the following semester or term, regardless of the number of semester hours. It does not cover special charges.

HONORS STUDY PROGRAM

A junior or senior who has completed all of the General Studies requirements, has been a full-time student at Grand Canyon College for the preceding two semesters, and has a total cumulative grade point average of 3.50 or above may, upon recommendation of his major professor, apply to the Vice President for Academic Affairs for permission to enter the special honors study program. The student's major professor then works with the curriculum committee to design this program.



VI. Graduation Requirements

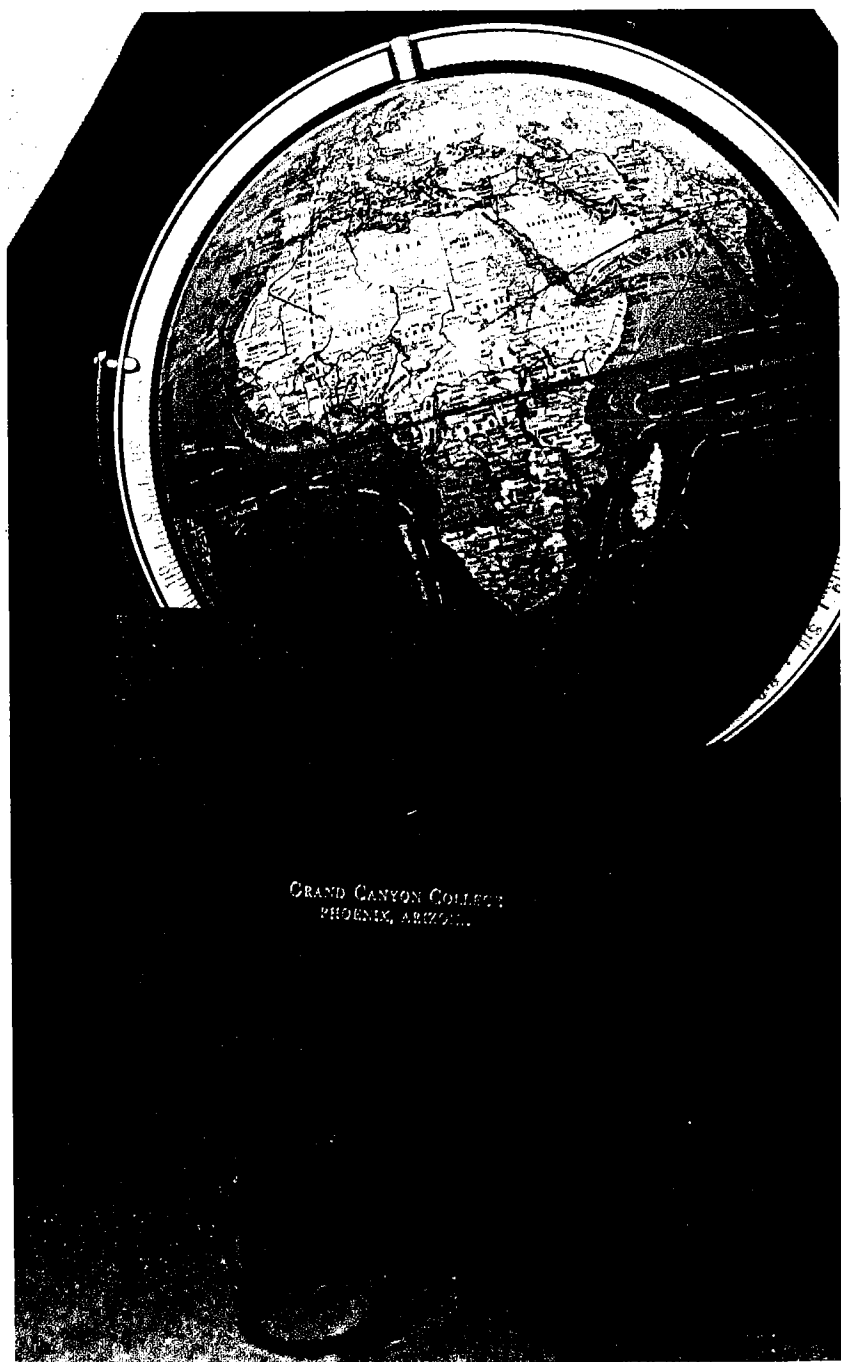
Degrees Offered

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, 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, 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.

A student is not permitted to graduate at the end of a semester or term which he began with a grade index of less than 2.00.

Grade in Major. A student must also have a "C" average (2.00) in his major and, except for courses taken as part of General Studies, he is not permitted to count toward his major any course in which he made a grade below "C".

English Usage. Tests for minimum competency requirements in spelling and English usage are given to students in freshman English classes. Students classified as juniors who have not passed these examinations must take them at the earliest opportunity. In case of failure the student must retake the test during the following semester. In the case of a second failure, the student must complete remedial work prescribed by the English Department. This requirement also applies to transfer students and must be met before a student may be granted a degree.

A transfer student who is an upperclassman must take this examination the first time it is offered after his enrollment and, in case of a failure, enroll in a course prescribed by the English Department.

Upon recommendation of two of his professors, a student may be required at any time to enroll in English 113.

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 preceeding graduation, must be taken at Grand Canyon College.

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

Graduation with Honors. The requirements for graduation with honors are stated on page 71.

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 76 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. By the end of his junior year a candidate for graduation must file an application for candidacy for a degree. A student is not permitted to register as a senior until he has filed this application. A transfer student who enters as a senior must file the application before completing enrollment. Application forms may be obtained at the office of the Registrar, and completed applications must be returned to the Registrar.

Attendance at Commencement Exercises. A candidate for graduation is expected to attend public commencement exercises. In extreme hardship cases a student may be excused, but only when his 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 his 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 the student 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 him 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 each student to choose wisely and build carefully the specialized program of studies most appropriate for him. 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.

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

For all 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 (Hist. 113, 123; or Hist. 123, 233; or Hist. 213, 223)..... 6 hours
- III. Scientific Foundations of Life (6-8 hours)
 - Science 114 or Mathematics 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 experience. Courses may be used to satisfy general studies, major or minor requirements. One January interterm is required for each 24 hours completed in residence.

- VIII. Foreign Language — Recommended for B.A. degree.
One language only; should be taken consecutively
(see page 83).

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), he is not permitted to count in his major any course in which he makes a grade below "C". A candidate for a secondary teaching certificate must have a "C+" (2.50) average, or above, in his teaching major.

The student must also choose a minor in a subject area other than his 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 his first minor if he desires 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 82).

Elective Courses

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

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 the student will not decide until the beginning of his junior year what his major and minor will be. The suggestion that the first and second years be devoted almost exclusively to general requirements is intended to encourage the student to study in the widest possible variety of fields, in order that he may determine wherein his greatest interest lies. Attention should be given to lower division courses which are required in the major, 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, 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			
History (See page 84)	3		3	Appreciation	2	or	2
Science 114			4	Laboratory Science ..	4		
Activity P.E.	1		1	**Activity P.E.	1		1
Electives	3		2	Major or Minor,			
January term		3		Electives	3		9
	13	3	16	January term		3	
					14	3	16
Junior Year				Senior Year			
	Fall	Jan.	Spring		Fall	Jan.	Spring
Foreign Language	3*		3*	Major, Minor, or			
Electives (Major or				Electives	14		15
Minor)	11		12	January term		3	
January term		3			14	3	15
	14	3	15				

*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, 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			
English 113, 123	3		3	Appreciation	2	or	2
Math. or Science 114	4			History (See page 84)	3		3
Laboratory Science ..			4	Activity P.E.	1**		1
Activity P.E.	1		1	Electives, Major or			
Electives, Major or				Minor	7		10
Minor	3		5	January term		3	
January term		3					
	<u>14</u>	<u>3</u>	<u>16</u>		<u>13</u>	<u>3</u>	<u>16</u>
Junior Year				Senior Year			
	Fall	Jan.	Spring		Fall	Jan.	Spring
Major, Minor, or				Major, Minor, or			
Electives	14		15	Electives	14		15
January term		3		January term		3	
	<u>14</u>	<u>3</u>	<u>15</u>		<u>14</u>	<u>3</u>	<u>15</u>

**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 84	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 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

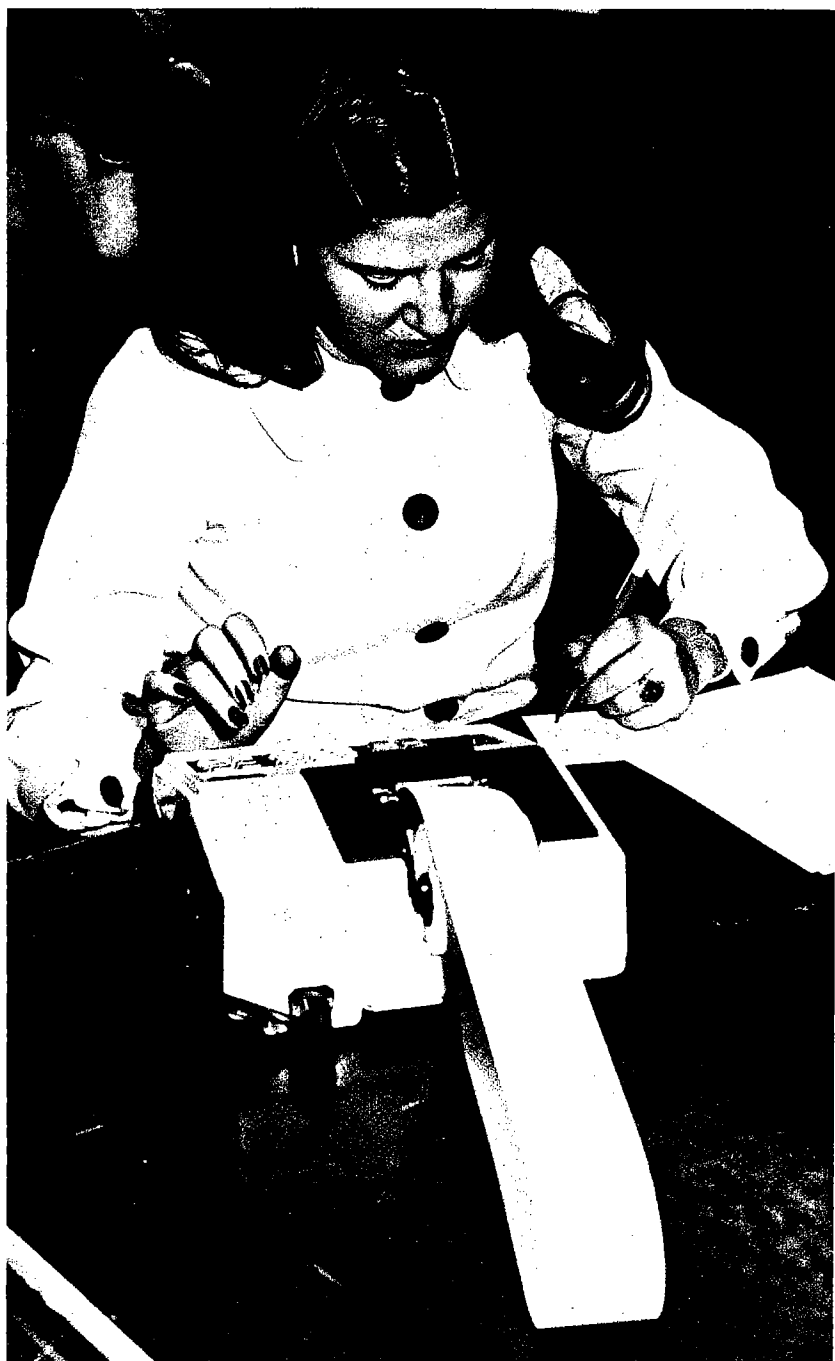
Department of Humanities

Department of Music

Department of Natural Science 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 student in exploring his 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 professionally educated men and women into the business enterprises of the nation as Training and Development personnel in various firms. 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
Business 133 or 373 Intro. to Data Processing or 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 25 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, 223 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 his 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, 1977, 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, 1978, 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, 1977, 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, 1976, and alternate years

BUSINESS

Business 123. INTERMEDIATE TYPEWRITING. Open to persons who have acquired a speed of at least 30 words per minute. Provides practice in letter writing, tabulation, business forms, and rough drafts, with special emphasis on speed. 3 hours of class weekly.

Every fall – 3 hours

Business 133. INTRODUCTION TO DATA PROCESSING. (Same as Mathematics 133.) A basic study of applications of electronic data processing. Topics include history of electronic data processing; basic concepts of flow charting, problem solution, and programming.

Every fall – 3 hours

Business 213. ADVANCED TYPEWRITING. Attention is given to the building of speed as it applies to office production techniques, including transcription, reports, tabulation forms, and duplicating processes. 3 hours of class weekly. Prerequisite: Business 123. *Every spring – 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 spring – 3 hours*

Business 163. INTERMEDIATE SHORTHAND. An additional study of theory, brief forms, business-letter phrases, and practice in reading, writing, and dictation. Aimed at the attainment of a dictation speed of 80 words per minute. 3 hours of class weekly, 2 hours of laboratory. Prerequisite: High school shorthand or approval based on proficiency in reading and writing shorthand plates. *Fall, 1976, and alternate years – 3 hours*

Business 223. DICTATION AND TRANSCRIPTION. Speed building, techniques of dictation and transcription, with emphasis on accuracy, readable form, mailable letter preparation. 3 hours of class weekly. Prerequisite: Business 163 or equivalent. *Spring, 1977, and alternate years – 3 hours*

Business 243. BUSINESS MACHINES. A course designed to give the student instruction in efficient operation of modern business machines, including ten-key and full-key adding machines, printing calculators, rotary calculators, and electronic calculators, with practical business application problems, including percentages, discounts, payroll computation, proration, reciprocals, and markups. *Every fall – 3 hours*

Business 253. RECORDS MANAGEMENT. Principles and procedures of filing and practice in management of filing systems. Office procedures for voice-writing, transcribing, calculating and duplicating machines. Requires ability to use typewriter effectively. *Fall, 1977, and alternate years – 3 hours*

Business 313. OFFICE PROCEDURES. A general office practice and procedure course designed to prepare the individual for initial employment in a business office. Clerical and typewriting skill development, filing, postal services, mail handling, using the telephone, banking and credit services, work in a mechanized office, office management, and advancement on the job. *Spring, 1978, 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, 1978, 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. *Spring, 1978, and alternate years – 3 hours*

Business 343. INTRODUCTION TO PROBABILITY AND STATISTICS. (Same as Env. Sci. 363, Math. 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: Bus. 143 or equivalent. *Every spring – 3 hours*

Business 353. BUSINESS LAW I. A study of laws of persons, tort, contract, agency, private property, sales, negotiable instruments, and insurance. Prerequisite: Economics 213. *Every fall – 3 hours*

Business 363. BUSINESS LAW II. A continuation of Business 353. Gives attention to laws related to the forms of modern business: individual proprietorships, partnerships, and corporations. Prerequisite: Business 353. *Every spring – 3 hours*

Business 373. PRINCIPLES OF MANAGEMENT. An introduction to scientific organization and management as it applies to American business and industry. A survey of the major problems facing management at all levels, especially as applied to internal organization problems, production costs, and personnel policies. Prerequisite: Junior standing or consent of instructor. *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. *Spring, 1977, and alternate years – 3 hours*

Business 393. PRINCIPLES OF MARKETING. An examination of present marketing structure, commodities, advertising, institutions, and social and economic trends. 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 and by role playing. *Every spring – 3 hours*

ECONOMICS

Economics 213. SURVEY OF ECONOMICS. A brief survey of basic economic concepts, principles, and business practices. Includes a study of the various economic systems, corporations, specialization in production, the monetary system, distribution of income, government spending, taxes, public debt, the price system, monopoly, and labor problems. *Every fall – 3 hours*

Economics 223. PRINCIPLES OF ECONOMICS. A continuation of Economics 213, with special attention given to the theory and application of advanced economic analyses related to present-day problems. Prerequisite: Economics 213 or equivalent. *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. (Same as Geography 353.) A study of the products of agriculture, commerce, and industry, and the conditions which affect their production, exchange, and consumption. *Summer, 1976, and alternate years – 3 hours*

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, 1977, and alternate years – 3 hours*

Economics 383. ECONOMIC HISTORY OF THE UNITED STATES. (Same as History 383.) A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisite: Economics 213 or consent of instructor.

Fall, 1976 – 3 hours

Economics 453. COMPARATIVE ECONOMIC SYSTEMS. A study of the forms of economic organization: the economic policy and obligations of capitalism, socialism, communism, and fascism. An analytical comparison of capitalism and the other economic systems. Prerequisite: Economics 213.

Spring, 1977, 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	
	<hr/> 13	<hr/> 3	<hr/> 17

Second Year

	Semester Hours		
	Fall	January	Spring
Accounting 214 Principles of Accounting	4		
Business 133 Introduction to Data Processing	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
	<hr/> 14	<hr/> 3	<hr/> 17

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
	<hr/> 15	<hr/> 3	<hr/> 15

Senior Year

	Semester Hours		
	Fall	January	Spring
Business 383 Business Communications			3
Business 373 Principles of Management	3		
Business 453 Human Relations in Business			3
B.S. 141 Basic Communications	1		
(In Center for Business Studies)			
Electives	11	3	9
	<hr/> 15	<hr/> 3	<hr/> 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 123 Public Speaking & Discussion	}
OR	
Speech 223 Speech for Professional Persons	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	
Soc. 353 The American Community	
	3
	12
*General Education, January Term, and Electives	53-54
	<hr/>
	128 hours

*General Graduation Requirements are found on page 83 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	
Internship I, II	3-4
	<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 his 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, Motivation, 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.

In order to become a candidate for teacher education, a student must have completed at least 58 semester hours of college work with an average grade of "C" on all work taken. In order to be admitted as a candidate for a secondary certificate, a student must also have a 2.50 average in his teaching major.

After completing 58 semester hours a prospective candidate will make written application to the chairman of the education department for admission to the teacher education program. Transfer students should make application before registering.

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

To qualify for student teaching, a student must have passed the English Usage Examination (see page 82).

The teacher education program has been extended to include a fifth year of preparation to meet current Arizona teacher certification requirements. Graduates of accredited colleges may participate in the fifth year program of teacher preparation at Grand Canyon College. A "C+" (2.50) average in the teaching major is required for students desiring to enter the fifth year program for high school teachers.

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

A person who desires to be certified in a certain subject as a minor teaching field for secondary schools must complete 24 semester hours (20 hours in some

cases) in the subject. Additional information may be secured from faculty personnel.

The teacher education program of Grand Canyon College is approved by the State Board of Education.

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. In order to be recommended for a standard certificate such person must complete an additional 30 semester hours of appropriate work within the prescribed time limit.

Elementary, Standard Certificate

A person who has already earned a bachelor's degree may normally qualify for a standard elementary teaching certificate by completing at least 30 hours in upper division courses during a special fifth year program designed by a committee of the College and including prescribed professional courses.

Secondary, Standard Certificate

A person who has already secured a basic secondary certificate may normally qualify for a standard secondary certificate in a manner similar to that described for the standard elementary certificate. The Department of Education offers courses to keep abreast of changes in certification requirements for the State of Arizona.



GENERAL STUDIES FOR TEACHER EDUCATION PROGRAMS

Bible 113, 123 Old and New Testament History	6 hours
History 213, 223 American History	6 hours
*Laboratory Science	4 hours
Mathematics	3 hours
English EW 113, 123—Grammar, Composition, and Lit.	6 hours
Art, Music (must include Music 252 or Art 112)	4 hours
Physical Education Activity	4 hours
Psychology 213 General Psychology	3 hours
Govt 303 Federal and Arizona Government	3 hours
*Speech	3 hours
*Economics, Philosophy, Sociology, or Geography	3 hours
	<hr/>
*Any course that does not have a prerequisite.	45 hours

COURSES FOR ELEMENTARY CERTIFICATE (Grades K-8)

Requirements of Grand Canyon College for a major in Elementary Education (B.S. Degree)

Ed. 303 Foundations of Education	3 hours
Psych. 353 Child Psychology (Psych. 213 is prerequisite)	3 hours
El. Ed. 343 Communication Arts in Elementary School	3 hours
El. Ed. 353 Curriculum: Social studies, science, arithmetic	3 hours
El. Ed. 413 Decoding	3 hours
El. Ed. 433 Reading: Elementary School (El. Ed. 436)	3 hours
El. Ed. 443 Reading Practicum	3 hours
Ed. 313 Educational Psychology	3 hours
Ed. 412 Tests and Measurements	2 hours
* Ed. 363 Audio-Visual Materials and Methods	3 hours
El. Ed. 328 Student Teaching in the Elementary Grades	8 hours
	<hr/>
	37 hours

*Education Block — 16 hours.

Required for Arizona certification:

Government 303 Federal and Arizona Government 3 hours

Also recommended:

Health Ed. 333 School Health Problems 3 hours

Music Ed. 333 Music in the Primary and
Elementary Grades 3 hours

Art Ed. 303 Art in the Elementary School 3 hours

Ed. 183 Exploring Education as a Career 3 hours

Phys. Ed. 323 Physical Education for
Elementary Grades 3 hours

El. Ed. 373 Children's Literature 3 hours

An Elementary Education major must present at least 18 semester hours in a first minor subject matter field. The department in the minor field will prescribe the necessary courses.

COURSES FOR SECONDARY CERTIFICATE

(Grades 7-12)

Requirements of Grand Canyon College:

Education 303 Foundations of Education 3 hours

H.S. Ed. 434 Reading and Practicum in the
Secondary School 4 hours

H.S. Ed. 443 Curriculum and Methods of Secondary
Education 3 hours

Psych. 373 Adolescent Psychology 3 hours

Ed. 313 Educational Psychology 3 hours

Ed. 412 Tests and Measurements 2 hours

* Ed. 363 Audio-Visual Materials and Methods 3 hours *

H.S. Ed. 328 Student Teaching in High School 8 hours

29 hours

Required for Arizona certificate:

Government 303 Federal and Arizona Government 3 hours

*Education Block — 16 hours

STUDENT TEACHING

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

Public Schools

Ajo School District #15	Mesa Public Schools
Alhambra Elementary School District	Mingus Jr.-Sr. High School & Verde, #3
Apache County High School District	Mohawk Valley School, #17
Avondale School District #44	Murphy Elementary School District
Bagdad Public Schools	McNary Elementary School District
Bisbee Public Schools	Osborn Elementary School District
Bowie Public Schools	Palo Verde Elementary School District
Buckeye Elementary School District	Paradise Valley School District
Cartwright Elementary School District	Parker Elementary School District
Chandler Public Schools	Payson Public Schools
Chinle Public Schools	Peoria Public Schools
Clifton Public Schools	Phoenix Elementary School District #1
Copper Belt School District	Phoenix Union High School District
Cottonwood-Oak Creek Public Schools	Prescott Public Schools
Creighton Elementary School District	Riverside Elementary School District
Deer Valley School District #97	Roosevelt Elementary Schools
Duncan Schools	Safford Public Schools
Dysart Elementary Schools	Santa Cruz Valley Union High School
Florence Elementary Schools	Scottsdale Public Schools
Ft. Huachuca Accommodation Schools	Seligman Public Schools
Gilbert Public Schools	Sierra Vista Public Schools
Glendale Elementary School District	Stanfield Public Schools
Glendale Union High School District	Superior Public Schools
Globe Public Schools	Tempe Elementary School District
Holbrook Public Schools	Tolleson Grammar School #17
Isaac Elementary School District	Tolleson Union High School District
Kingman Elementary School District	Washington Elementary School District
Liberty Elementary School District	Wickenburg Public Schools
Litchfield Park Elementary School District	Wilson Elementary School District #7
Littleton School District, Cashion, Arizona	Winslow Public Schools
Madison Elementary School District	Yuma Elementary School District
Marana Public Schools	Yuma Union High School District
Mayer Public Schools	

Private Schools
Phoenix Christian High School

U. S. Government Schools
Phoenix Indian School

The supervision of each student teacher is performed by the school to which he 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.

EDUCATION

Education 113. DEVELOPMENTAL READING. Emphasis is placed on the mechanics of reading, involving eye-span, reading rate, comprehension, vocabulary, and critical reading. The course is designed to help students improve their reading study skills through diagnosis of individual need and teaching of specific skills.
Every spring – 3 hours

Education 183. EXPLORING EDUCATION AS A CAREER. By observation and other direct experiences, in the classroom and community agencies, students will see for themselves what working with children and young people involves. Students will receive a credit or noncredit grade. A minimum of 54 hours will be spent in the classroom or community agency.
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 ever summer – 3 hours

Education 313. EDUCATIONAL PSYCHOLOGY. (Same as 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 363. AUDIO-VISUAL MATERIALS AND METHODS. 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 412. TESTS AND MEASUREMENTS. Deals with the philosophy of testing, the construction of tests, and the actual administration and interpretation of tests. There is opportunity for examination of sample tests. Students select either high school or elementary tests for study and engage in test construction in either field. Prerequisites: For Elementary Education: Elementary Education 343 and 353. For Secondary Education: High School Education 323 and 443.

Every semester and every summer – 2 hours

ELEMENTARY EDUCATION

Elementary Education 302. UTILIZING THE LIBRARY IN THE ELEMENTARY SCHOOL. A workshop course designed to help elementary teachers to integrate library material with classroom instruction. Special assistance is given in the use of the library in connection with class assignments and preparations.

Every summer – 2 hours

Elementary Education 313. NURSERY-KINDERGARTEN EDUCATION. Considers all aspects of curriculum. Philosophy, principles, practices, and problems. 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 328. STUDENT TEACHING IN THE ELEMENTARY GRADES. The student is assigned to an approved school where he serves as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: Education 313 and 412, Elementary Education 343 and 353. Credit only. No grade is given.

Every semester – 8 hours

Elementary Education 343. COMMUNICATION ARTS IN THE ELEMENTARY SCHOOL. Factors affecting language development and growth. Setting conditions for learning to teach listening, speaking and writing skills. Emphasis will be placed on cognitive, creative, and individual learning. Laboratory experiences are included as part of the course content. Prerequisite: Ed. 303.

Every semester and every summer – 3 hours

Elementary Education 353. CURRICULUM: SOCIAL STUDIES, SCIENCE, AND ARITHMETIC. Designed to acquaint the elementary teacher with curriculum construction, literature, and effective techniques for the teaching of arithmetic, social studies, and natural sciences and with the recent research in these fields. Prerequisite: Education 303. *Every semester and every summer – 3 hours*

Elementary Education 372. LITERATURE FOR THE MIDDLE AND UPPER GRADES. An overview of the range of books from traditional literature to modern realistic stories. *Every summer – 2 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. MODERN MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH SCHOOL. (Same as Mathematics 403.) Designed to provide an understanding of "Modern Mathematics" for teachers in the middle and upper elementary grades and junior high school. The new approaches are explained and problems solved. The following are included: systems of numeration, symbols, properties, factoring and prime numbers, modular arithmetic, logic and number sentences, etc. Prerequisite: Mathematics 113 or equivalent.

Every spring and every summer – 3 hours

Elementary Education 413. 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 – 3 hours

Elementary Education 436. READING: ELEMENTARY SCHOOL AND READING PRACTICUM. A program designed for understanding techniques and procedures for dealing with the individual child. Instruction includes reading readiness, word recognition, comprehension, and vocabulary, with various approaches to creating interest in and the love of reading. The reading practicum is school centered, designed to provide prospective elementary teachers with an intensive teaching experience over the length of one semester. Prerequisites: Ed. 303 and El. Ed. 343. *Every semester and every summer – 6 hours*

SECONDARY EDUCATION

High School Education 328. STUDENT TEACHING IN HIGH SCHOOL. The student is assigned to an approved school where he serves as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: Education 313 and 412, High School Education 323 and 443. Credit only. No grade is given. *Every semester – 8 hours*

High School Education 434. READING AND PRACTICUM IN THE SECONDARY SCHOOL. Designed for secondary teachers to enable them to serve the reading needs of junior and senior high school students; a wide-scope study of reading programs with emphasis on reading a variety of subject matter. The Reading Practicum is a school-centered, two credit-hour practicum, designed to provide prospective secondary teachers with an intensive teaching experience over the length of one semester. *Every semester – 4 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. *Every semester and every summer – 3 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, 1976, 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, 1977, 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 353 or permission of instructor. *Spring, 1978, and alternate years – 3 hours*

PSYCHOLOGY

Students may major in Behavioral Sciences or minor in Psychology.

Requirements for a major in Behavioral Sciences

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

Psychology 213 General Psychology	3 hours
Sociology 213 Principles of Sociology	3 hours
Sociology 313 or 323 Cultural Anthropology, History of Social Thought	3 hours
Philosophy 213 Introduction to Philosophy	3 hours
Electives in Psychology (May include selected courses in Sociology) (9 hours upper division)	18 hours

Requirements for a minor in Psychology

Psychology 213 General Psychology	3 hours
Psychology 223 History and Systems	3 hours
Philosophy 213 Introduction to Philosophy	3 hours
Electives in Psychology (May include Education 313 and 412) (6 hours upper division)	9 hours

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

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.
Every semester, and every summer – 3 hours

Psychology 223. 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.

Spring, 1977, 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. (Same as Sociology 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.

Spring, 1978, and alternate years – 3 hours

Psychology 313. EDUCATIONAL PSYCHOLOGY. (Same as Education 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

Psychology 333. PSYCHOLOGY IN RELIGION. (Same as Religion 333.) Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship, and principles of leadership.

Spring, 1978, and alternate years – 3 hours

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 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. Same as Env. Science, Business, and Mathematics 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: Science 114 or equivalent. *Every spring – 3 hours*

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. *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. *Fall, 1976, 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.

A student who has received credit in activity physical education for military training is not allowed to receive credit for Physical Education 101, 111, 121, 131, 201, 231, or 241 unless he is 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

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

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	3 hours

Requirements for a minor in Physical Education

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	3 hours

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 spring – 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

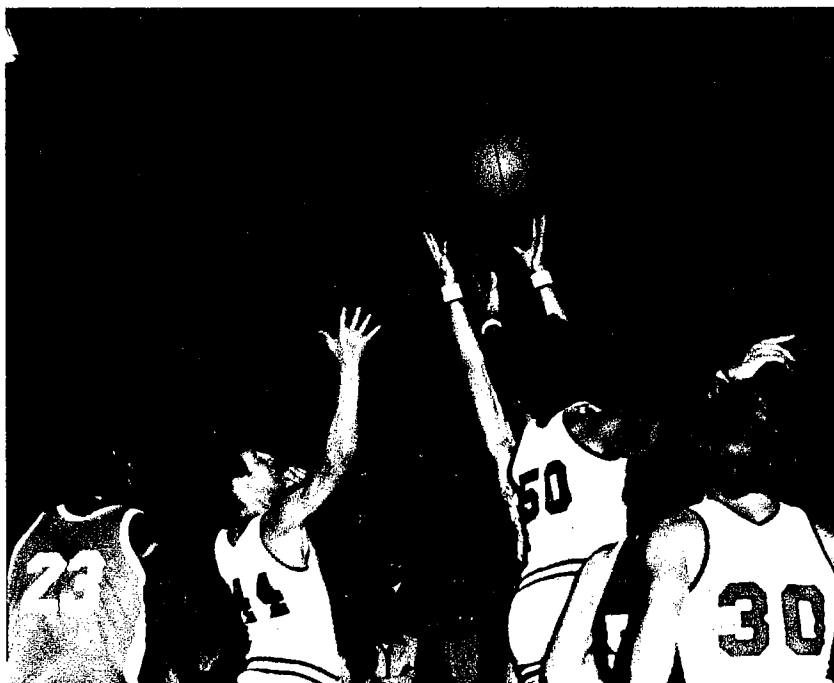
Health Education 343. PRINCIPLES OF PUBLIC HEALTH. (also Environmental Science 343). A study of the public agencies and their contribution to the health of the community. Also includes fundamentals, philosophy, history, and functions of public health services. *Every fall – 3 hours*

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. *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 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.

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 and every summer – 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. (3 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. (3 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. *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 MENTALLY RETARDED. A course devoted to the development of concepts and activities suitable for use with trainable and educable mentally retarded persons, emphasizing activities for physical education directed toward total educational objectives. *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*

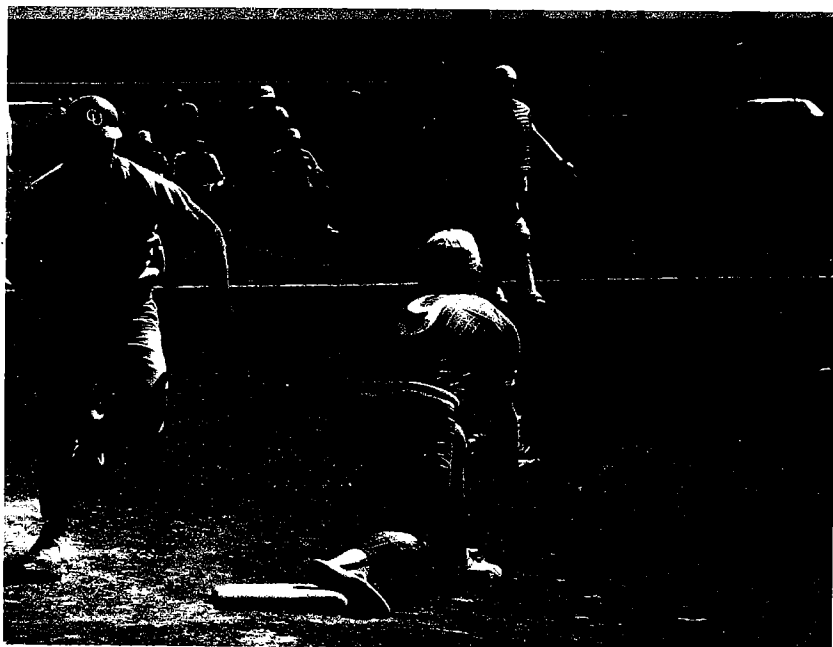
Physical Education 423. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION. Designed for majors in physical education. Deals with possible administrative problems in departments of physical education in all types of education institutions. Prerequisites: Physical Education 243 and 413.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

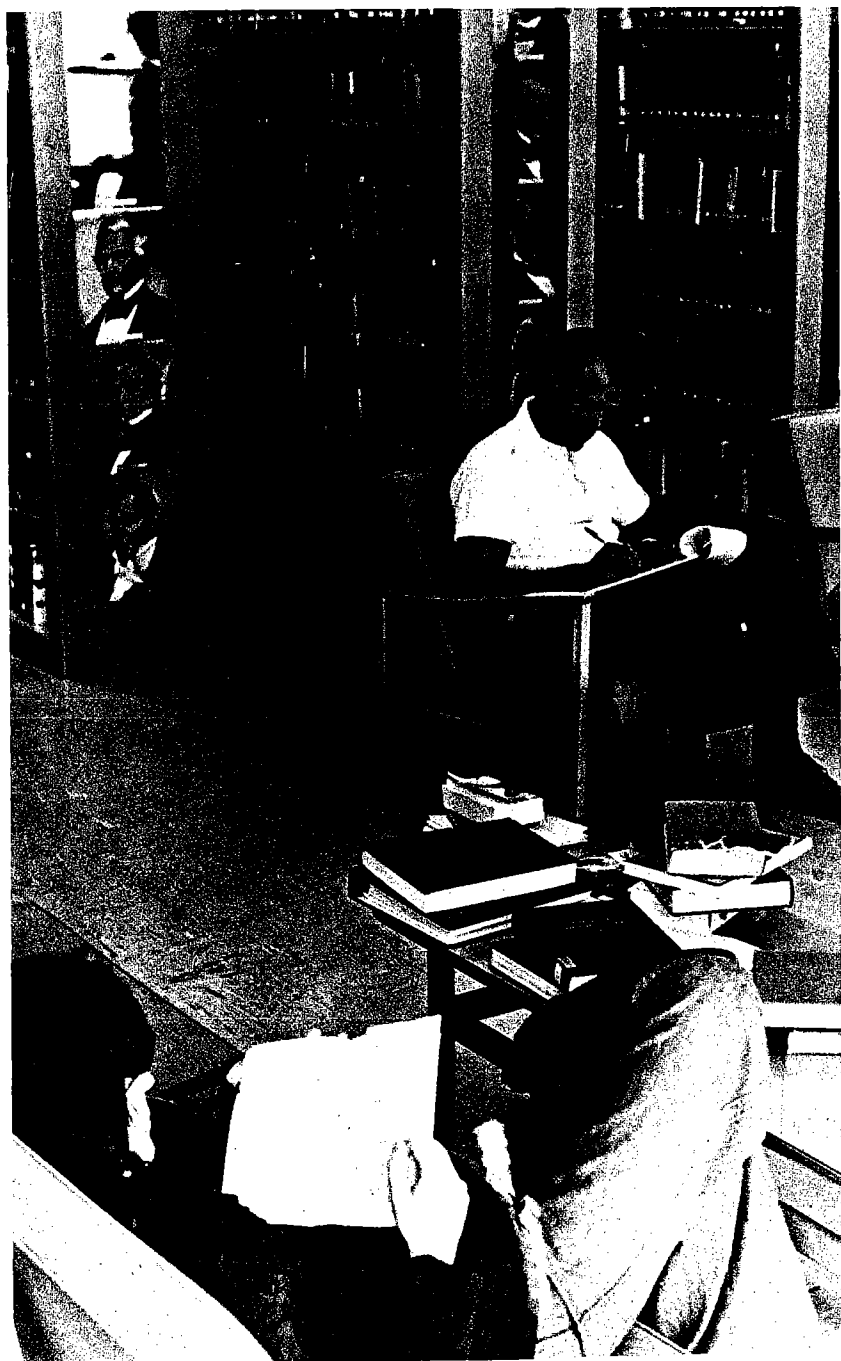
Physical Education 391, 2, 3, 4. PRACTICUM. See page 77.

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

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.

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 divisions 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. (Same as 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 Governments. *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.
Fall, 1977, 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.
Spring, 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, 1976, 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, 1977, 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 requirements in Arizona government. *Every semester and every summer – 2 hours*

Government 393. AMERICAN DIPLOMATIC HISTORY. (Same as 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, 1978, and alternate years – 3 hours*

Government 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. (Same as 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, 1977, 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, 1976, 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, 1977, 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, 1978, and alternate years – 3 hours

History 353. CHURCH HISTORY. (Same as 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.
Fall, 1976 – 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, 1978, and alternate years – 3 hours

History 383. ECONOMIC HISTORY OF THE UNITED STATES. (Same as 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.
Fall, 1976 – 3 hours

History 393. AMERICAN DIPLOMATIC HISTORY. (Same as Government 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, 1978, and alternate years – 3 hours

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, 1977, and alternate years – 3 hours

History 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. (Same as Government 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, 1977, and alternate years – 3 hours

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, 1976, 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, 1977, 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, 1976, and alternate years – 3 hours

History 491, 2, 3, 4. INDEPENDENT STUDY. See page ~~607~~⁷⁷ Every semester

483 ?

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, 1977, and alternate years – 3 hours

SOCIOLOGY

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

Sociology 213. PRINCIPLES OF SOCIOLOGY. A study of the person and his 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. (Same as 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.

Fall, 1977, and alternate years – 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, 1976, 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, 1977, 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 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. *Fall, 1976; Spring, 1978 – 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. *Fall, 1976; Spring, 1978 – 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. *Spring, 1977 – 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. *Fall, 1977 – 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.

Spring, 1978 – 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.

Spring, 1977 – 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.

Fall, 1977 – 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, 1976 – 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.

Spring, 1977 – 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, 1977 – 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

Journalism

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

All courses in the department of art 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
AR 203, 303 Drawing I, II	6 hours
DGN 243 Two-Dimensional Design	3 hours
DGN 253 Three-Dimensional Design	3 hours
AR 213 Crafts I	
AR 223 Printmaking I	
AR 263 Ceramics I	6 hours
AR 273 Sculpture I	
AR 283 Painting I	
AE 303 Art in the Elementary School	3 hours
AE 423 Art in the High School	3 hours
*Upper division courses in concentration area to be selected in consultation with art advisor.	9 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, 303 Drawing I, II	6 hours
DGN 243 Two-Dimensional Design	3 hours
DGN 253 Three-Dimensional Design	3 hours
AR 213, 223, 263, 273, 283	12 hours
AE 303, 423 Art in Elementary and High School	6 hours
AE 443 Art Curriculum and Supervision	3 hours
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	42 hours

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

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 electives	3 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	3 hours
AR 213, 223, 263, 273, 283	3
U. D. electives	3

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, 1976, 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, 1977, 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. *Spring, 1978, and alternate years – 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.

Fall, 1977, 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 design and production of contemporary crafts, such as copper enameling, macrame, batik, hand weaving, etc.

Fall, 1977, and alternate years – 3 hours

AR 223. PRINTMAKING I. An introduction to the basic process of printmaking. Will include serigraphy, relief, and intaglio techniques.

Spring, 1977, 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, 1976, 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, 1978, 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, 1977, and alternate years – 3 hours*

AR 323. PRINTMAKING II. Provides exposure in some depth to the process of printmaking. Prerequisite: AR 223. **Spring, 1977, 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, 1976, 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, 1978, 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 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 263. DESIGNING THE INTERIOR ENVIRONMENT. An introduction to the principles and concepts of environmental design. Application of theoretical concepts of interiors and relationship to the environment.

On demand – 3 hours

DGN 343. COMMERCIAL DESIGN. Instruction and practice in commercial studio techniques, advertising layout and illustration. Prerequisite: DGN 243 or approval of instructor.

On demand – 3 hours

DGN 363. SPACE DESIGN. Development of functional and aesthetic structures with a variety of methods and materials, with emphasis on the analysis of volume and space. Prerequisite: DGN 253 or approval of instructor. *On demand – 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, 1977, 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, 1976, 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 him 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 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, 123, 223	3-9 hours
II. Drama 113, 123	3-6 hours
III. Drama 233, Speech/Drama 333	3-9 hours
IV. Speech 323, 353	3-6 hours
V. Drama 213, 313	6 hours
VI. Drama 253, 353	3-6 hours
VII. January term courses	3-6 hours

Requirements for a minor in Speech*

Speech 113, 123	3-6 hours**
Speech 323, 353	6 hours
Speech 223 and any performing drama course	6 hours
Electives to total 18 hours	

Requirements for a minor in Theatre*

Drama 113, 123	3-6 hours
Drama 233	3-6 hours
Speech 113, 123	3-6 hours**
Drama 213, 313, 253, 353	6-12 hours

*To be certified in theatre or speech, a student must present a teaching minor of at least 24 semester hours. Additional information may be secured from department personnel.

**Depending upon previous experience.

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 the 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, 1976, 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, 1977, 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, 1977, 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, 1978, 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, 1977, 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, 1978, 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 EW343. ADVANCED COMPOSITION. A course for students interested in writing who wish to develop their skills in writing of fiction or non-fiction.

Spring, 1977, 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, 1978, 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, 1977, 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, 1977, 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, 1976, 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, 1976, 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, 1977, 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, 1978, and alternate years – 3 hours

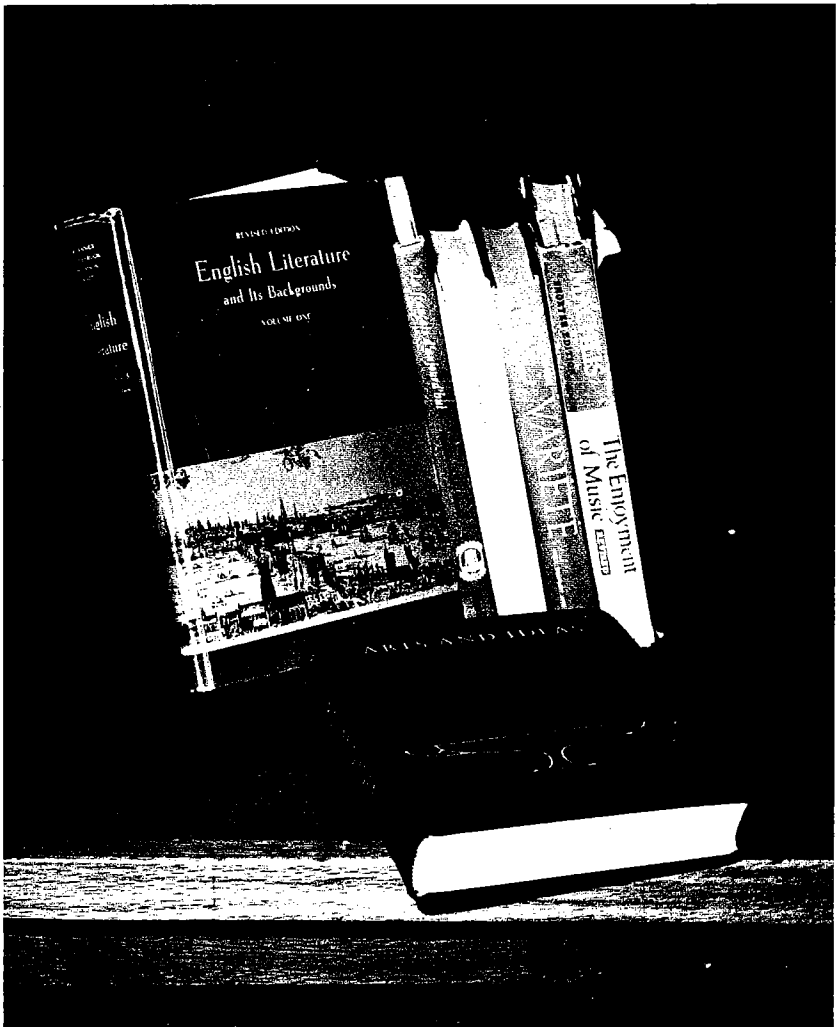
English EA453. MILTON. A study of Milton's poetry and prose with special attention given to *Paradise Lost*.

Fall, 1976, 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



JOURNALISM

Journalism 211. PUBLICATIONS. A course designed to give an elementary understanding of news story form, journalistic photography, headline and caption writing, page layout, editorial and column writing, and feature writing. The student newspaper and college yearbook are produced as a laboratory project. Membership is open to all students. May be repeated for credit not to exceed a total of four semester hours. *Every semester or on demand – 1 hour*

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 123. INTRODUCTORY PUBLIC SPEAKING AND DISCUSSION. A study of the technique and practice of public discussion. Provision is made for practice in various types of public speeches.

Every spring – 3 hours

Speech 211. INTERCOLLEGIATE FORENSICS. Designed to prepare students to participate in intercollegiate debate and other forensic activities. It may be repeated for credit not to exceed a total of four semester hours. *On demand – 1 hour*

Speech 223. PERSUASIVE SPEAKING AND ARGUMENTATION. Designed to develop skill in the recognition and use of various forms of persuasive speaking for informal and formal occasions. Special attention is given to the developing of the argument, the defining of issues, the marshalling of evidence, and the techniques of argument.

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, 1976, and alternate years – 3 hours

Speech 333. TELEVISION AND RADIO BROADCASTING. (Same as Drama 333.)

An introduction to the psychology and techniques of television and radio programming and administration, with particular emphasis on scripting and producing 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, 1977, and alternate years – 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, 1977, 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, 1976, and alternate years – 3 hours

Drama 123. ACTING II. The art of acting through the media of dialogue, action, and analysis. Designed to lead to the psychological and physical presentation of character. Two hours per week in studio work and in participation in performances.

Spring, 1977, and alternate years – 3 hours

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, 1977, and alternate years – 3 hours

Drama 233. STAGECRAFT AND THEATRICAL DESIGN. The art of designing scenery, lighting, and costuming; the study of set construction, light operations, use of make-up and properties, and other backstage duties. Effective organizational procedure and management. Laboratory work includes the presentation of a play. May be repeated for credit not to exceed six semester hours.

Every semester – 3 hours

Drama 253. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. (Same as 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, 1977, 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, 1977, and alternate years – 3 hours

Drama 333. TELEVISION AND RADIO BROADCASTING. (Same as Speech 333.) An introduction to the psychology and techniques of television and radio programming and administration, with particular emphasis on scripting and producing 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 of F.C.C. regulations.

Spring, 1977, and alternate years – 3 hours

Drama 353. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. Advanced and continuing studies for the student who has successfully completed Drama/Religion 253.

Fall, 1977, and alternate years – 3 hours

Drama 413. DIRECTING. A study of theories and techniques of interpreting and directing plays through lectures and demonstration. Laboratory projects in directing one-acts or scenes from full length plays for public performance.

Spring, 1978, and alternate years – 3 hours

MODERN LANGUAGES

The study of modern languages enlarges the student's awareness and appreciation of other cultures by helping him to develop tools of language which will enable him 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.

One who is planning to teach foreign language at secondary level must have 20 semester hours in each foreign language to which he is to be assigned. Additional information may be secured from faculty personnel.

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

*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

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 111.

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 junior recital is required of applied music majors. Two or more students may combine their junior recital program.

Senior Recital. A 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 his 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 69.)

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.

If a music major is taking a total of less than 12 semester hours but more than 6, he will attend 50 per cent of the recitals. If he is taking six hours or less, he 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. When a student desires to change his applied music teacher or his concentration, he 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 35.

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)

A student who desires to work toward certification for teaching music in elementary or high school works toward the Bachelor of Science degree as outlined on page 87. He meets the requirements for Elementary Certificate or Secondary Certificate (see pages 107-108), all the requirements listed below in Category I, and the requirements in one of the fields of concentration listed in Category II. Before being admitted to student teaching in Music, he must also meet the Music Department prerequisites to student teaching (see page 165).

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
Music 333 and 343	6 hours
Music 422***	2 hours
Guitar 111	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
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

**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	4 hours
Music Education 372	2 hours
Music Education 333 or 413	3 hours
Music Education 211, 221, 231, or 241	2 hours
Wind Ensemble, Orchestra	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.

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. Prerequisite: Music 224.
Every fall – 3 hours

Music 323. FORM AND ANALYSIS. A study of the structure of music: motif and phrase, lied, rondo, variation, sonata, and programmatic forms. Prerequisite: Music 224.
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, 1977, 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 instrument 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 practice 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 soli, 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.

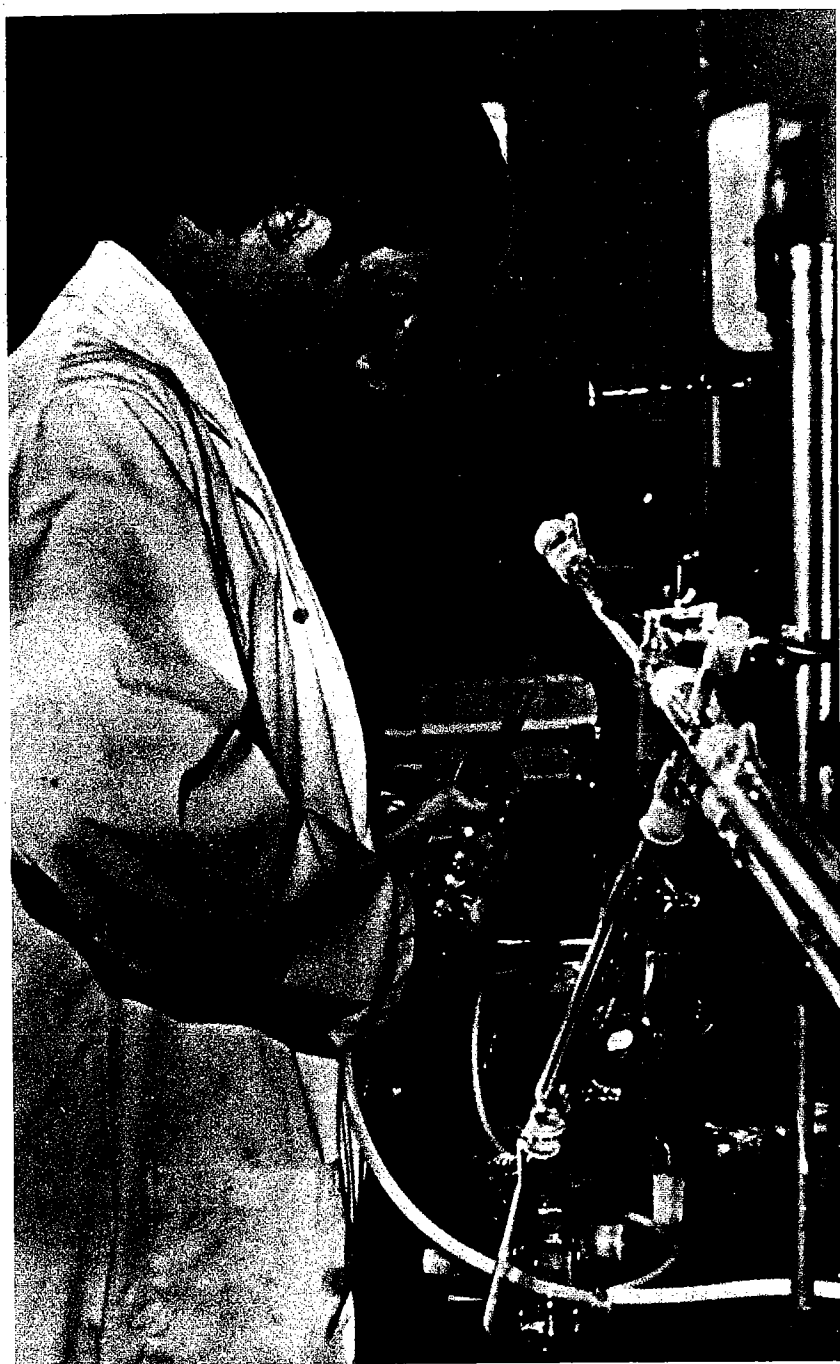
Every fall – 1 hour

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.





Department of
**NATURAL SCIENCE
AND MATHEMATICS**

Biology

Chemistry

Earth Science

Environmental Science

Physics

Mathematics

DEPARTMENT OF NATURAL SCIENCE AND MATHEMATICS

The Department of Natural Science 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.

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 hours
Chemistry 114, 124 General Chemistry	8 hours
Physics 144, 224 Introductory and Modern Physics	8 hours

Requirements for a minor in Biology*

Biology 114 Botany or 214 Zoology	4 hours
Biology 324 Genetics	4 hours
Electives in Biology	10 hours

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 114 Botany	4 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
Chemistry 354 Biochemistry	4 hours
Mathematics 153, 163 Calculus I, II	3 hours
Modern Language	8 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
Chemistry 354 Biochemistry	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

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 244 Intro. or Modern	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, 263, or upper division	18 hours
Physics 144	4 hours

Requirements for a minor in Mathematics*

Mathematics 153, 163 Calculus I, II	6 hours
Electives from Math. 123, 213, 223, 233, 263	6 hours
Upper division electives in Mathematics	6 hours

*Students who desire to be certified upon graduation in one of these subjects as a teaching minor must complete at least 24 hours in the subject.

MATH-SCIENCE FOR GENERAL STUDIES

The purpose of the Division of Natural Science and Mathematics in General Studies 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.

Science 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

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, graduate study in biology, or 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 melangaster* and other materials. Prerequisite: Biology 114 or 214.

Fall, 1977, 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. Same as Health Ed. 353 (see page 122).

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 77. *Every semester*

Biology 491, 492, 493, 494. INDEPENDENT STUDY. See page 77. *Every semester*

CHEMISTRY

Chemistry 114. GENERAL CHEMISTRY. Principles of modern chemistry. Topics include 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 324. ORGANIC CHEMISTRY. Topics include synthetic structural, and mechanistic aspects of aliphatic and aromatic carbon compounds. 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, 1978, and alternate years*

Chemistry 391, 392, 393, 394. PRACTICUM. See page 77. *Every semester*

Chemistry 491, 492, 493, 494. INDEPENDENT STUDY. See page 77. *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.

Spring, 1978, and alternate years – 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.

Spring, 1977, and alternate years – 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 77. *Every semester*

Earth Science 491, 492, 493, 494. INDEPENDENT STUDY. See page 77.

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. Five core courses 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 DATA PROCESSING. Same as Mathematics 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. Prerequisite: Environmental Science 264 or consent of the instructor. *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. The final course in the environmental science sequence. Students will be assigned to work with an environmental agency to learn the procedures and problems involved in the detection and control of pollution. Prerequisite: Environmental Science 164, 364, 374, and 384. *Every semester – 4 hours*

Environmental Science 491, 492, 493, 494. INDEPENDENT STUDY. See page 77. *Every semester*

For course descriptions of the following courses which may be taken as Environmental Science electives, see listings and descriptions of 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 333. FAMILY FINANCIAL PLANNING. See Economics 343.

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.

Environmental Science 414. ENTOMOLOGY. See Biology 414.



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.

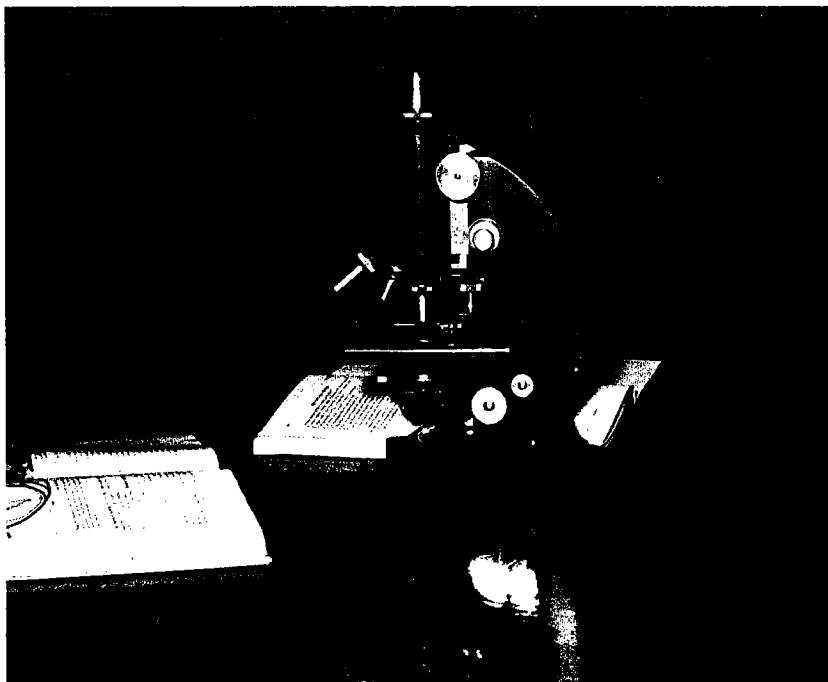
Every fall – 4 hours

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 summer – 3 hours*

Mathematics 133. INTRODUCTION TO DATA PROCESSING. (Same as Business, Environmental Science, Psychology, Sociology 133.) A basic study of applications of electronic data processing. Topics include history of electronic data processing; basic concepts of flow charting, problem solution, and programming. *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 263. 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, 1976, and alternate years – 3 hours

Mathematics 333. ANALYSIS I. The real number system, limits and continuity, and differentiation. Prerequisite: Mathematics 233.

Fall, 1976, and alternate years – 3 hours

Mathematics 353. ANALYSIS II. Riemann integration, sequences of functions, and a variety of topics such as convergence theorems. Prerequisite: Mathematics 333.

Spring, 1977, 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 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: Mathematics 163.

Fall, 1977, and alternate years – 3 hours

Mathematics 403. MODERN MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH SCHOOL. (Same as Elementary Education 403.) Designed to provide an understanding of "Modern Mathematics" for teachers in the middle and upper elementary grades and junior high school. The new approaches are explained and problems solved. The following are included: systems of numeration, symbols, properties, factoring and prime numbers, modular arithmetic, logic and number sentences. Prerequisite: Mathematics 163.

Mathematics 413. LINEAR ALGEBRA. An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. Prerequisite: Mathematics 163.

Spring, 1978, and alternate years – 3 hours

Mathematics 423. ABSTRACT ALGEBRA. An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: Mathematics 163.

Fall, 1977, and alternate years – 3 hours

Mathematics 491, 492, 493, 494. INDEPENDENT STUDY. See page 77.

Every semester





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.

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, 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, 1978, 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, 1977, 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, 1976, 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, 1977, and alternate years – 3 hours

Bible 373. CHRISTIAN DOCTRINES. A systematic study of the major doctrines of the Bible, with special attention given to the doctrines and practices of Baptists. 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, 1977, 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 1978 – 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. Designed for persons who are studying Greek for the first time and for others whose preparation does not fit them 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 verb 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 111. PREPARATION FOR THE MINISTRY. An introduction to the work of the ministry as it relates to the minister's call, educational preparation, college relationships, denominational orientation, and basic pastoral work. Required of all students on a ministerial grant. *Every fall – 1 hour*

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, 1978, and alternate years – 3 hours

Religion 243. CHURCH ADMINISTRATION. A study of the effective use of non-organizational activities and relationships within the church, such as staff, outreach, buildings, finance, evangelism, worship, leisure time, teaching aids, publicity, and committees.

Spring, 1977, and alternate years – 3 hours

Religion 253. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. (Also Drama 253.) A creative Christian dramatics lab with opportunities to perform for churches and other groups. Emphasizes 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. The ways and means of utilizing dramatic activity, organizing a drama group, and training the inexperienced within a church are studied.

Fall, 1977, and alternate years – 3 hours

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, 1976, and alternate years – 3 hours*

Religion 333. PSYCHOLOGY IN RELIGION. (Also Psychology 333.) Designed to help the student understand and relate to the mental processes involved in individual religious experience and in group dynamics, with particular reference to religious motivation, integration of personality, guilt feelings, conversion, prayer, worship, and principles of leadership.

Spring, 1978, and alternate years – 3 hours

Religion 353. CHURCH HISTORY. (Also History 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 emphases 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.

Fall, 1976 – 3 hours

Religion 363. AUDIO-VISUAL MATERIALS AND METHODS. (Also Education 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

Religion 373. PASTORAL DUTIES. A study of practical duties and problems of the modern pastor in translating New Testament principles into present-day practice. Such matters as ordination, baptism, the Lord's Supper, marriages, and funerals are studied. Prerequisites: Bible 113 and 123.

Fall, 1977, and alternate years – 3 hours

Religion 383. HOMILETICS. A study in the art of preparing and delivering sermons. There is actual practice in the delivery of sermons. Attention is given to the building and use of a personal library as an aid to preaching. Prerequisites: Bible 113 and 123.

Fall, 1976, and alternate years – 3 hours

Religion 463. WORLD RELIGIONS. (Same as Philosophy 463.) A study of the major religions of the world, both ancient and contemporary, with emphases upon Zoroastrianism, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Islam, Judaism, and primitive religions.

Fall, 1977, 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).

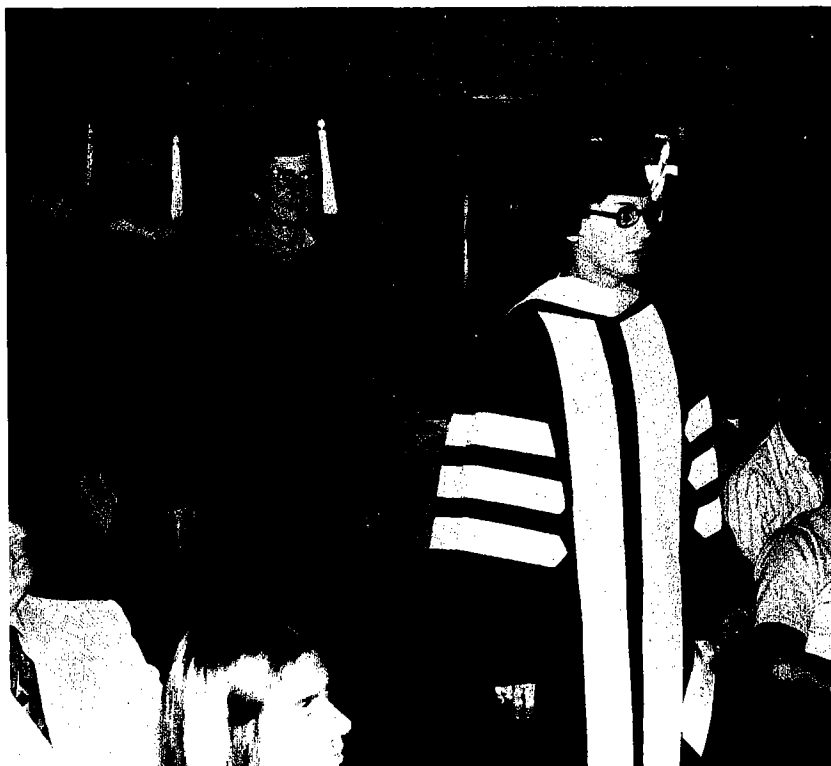
CENTER FOR BIBLICAL STUDIES

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 the program a student may take not more than seven hours of college work per semester, all of which must be in the Department of Religion.

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 a cross-town arrangement with Arizona State University, 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 Aerospace Studies or Army Military Science.

AEROSPACE STUDIES

(Air Force ROTC)

Purpose. The Aerospace Studies curriculum consists of the General Military Courses for freshmen and sophomores and the Professional Officer Course for juniors and seniors. The goal of this professional education is to provide the foundation of military knowledge and skills needed by Air Force junior officers. Upon graduation, each student who satisfactorily completes the Professional Officer Course and 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. 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. In the four-year program, the qualified college student normally enrolls in the Air Force ROTC during his freshman year at the same time he enrolls in his other college courses. He pursues the General Military Course (GMC) during his first two years. GMC students receive 2.0 semester hours of credit for each AES 100 and 200 class completed, a total of 8.0 semester hours. Each candidate for commissioning must pass an Air Force aptitude test and a physical examination and be selected by an interview board of Air Force officers. If selected, the student then enrolls in the Professional Officer Course (POC) the last two years of the Air Force ROTC curriculum. He normally attends a four-week field training course between his sophomore and junior years at an Air Force base. Upon successful completion of the POC and the college requirements for a

degree, the student is commissioned in the U.S. Air Force as a Second Lieutenant. The new officer then enters active or inactive duty or may be granted an educational delay to pursue graduate work.

Two-Year Program (POC). The basic requirement for entry into the two-year program is that the student have two academic years of college work remaining, either at the undergraduate or graduate level. Applicants seeking enrollment in the two-year program must pass an Air Force aptitude and medical examination and be selected by an interview board of Air Force officers. After successfully completing a six-week field training course at an Air Force base, the applicant may enroll in the Professional Officer Course in the Air Force ROTC program. Upon completion of the POC and the college requirements for a 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. (2) For the two-year applicant, complete a six-week field training course. (3) Pass the Air Force Officer Qualification Test (AFOQT). (4) Pass the Air Force physical examination. (5) 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.

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, fees, supplies and equipment, 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 male citizen and submit an application prior to 15 November of his senior year in high school. Interested students should consult their high school counselors. 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.

Deposit. All students registering for Air Force ROTC are required to make a deposit of \$25.00 with the military property custodian as the basis for issue of the prescribed uniform, textbooks, other authorized materials, and to cover certain authorized social activities. This deposit, less deductions to defray costs, will be refunded at the end of each semester by the military property custodian.

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.

Scholarship Programs. The Army ROTC offers scholarship programs for outstanding young men and women who are motivated toward a career as professional officers in the Regular Army. These scholarships pay for all fees, tuition and books, and provide \$100.00 per month subsistence allowance while the scholarship is in effect. A scholarship for four years is available to freshmen who will enter the four-year program. Applications must be submitted in accordance with a schedule furnished high school counselors. Selection is made on a nation-wide

basis. Scholarships are available for three-, two-, and one-year periods commencing with the sophomore, junior, and senior year of ROTC, respectively. Applications are open to cadets in good standing in the program and selection is made by an interview board. Acceptance of any of the four scholarship programs requires a service commitment to serve in the active Army for a period of four years after commissioning.

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 two years of active duty depending on U.S. Army Reserve options. Scholarship students, students who receive flight training, and those students who desire an Army career and receive a Regular Army commission have additional amounts of time added to their basic two-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. 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 lectures, 1 hour Leadership Practical Application Lab.

3 hours

AES 303B. 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 403A. AEROSPACE STUDIES. 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 403B. 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 400. FLIGHT INSTRUCTION. Non-credit.

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. Two lectures-conferences, 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. Two lectures-conferences, 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. Two lectures-conferences, 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. Two lectures-conferences, 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

MIS 400. FLIGHT INSTRUCTION. Non-credit.

VIII. Administration and Personnel*

Trustees

Administration

Faculty

Faculty Committees

*As of January 1, 1976

GRAND CANYON COLLEGE TRUSTEES 1975-76

Three Year Term Expiring 1978:	Home	Office
Mrs. Hubert Friend, 345 E. Glenn, Phoenix, 85020	944-8346	
Rev. Jim Harvey, 7149 N. 58th Avenue, Glendale, 85301	937-8629	937-9216
Mrs. Morris Headstream, P. O. Box 211, Yuma, 85364	344-0074	
Mr. Richard Lundquist, 4701 Rip Van Winkle Lane, Las Vegas, NV, 89102	876-1872	736-5345
Dr. John Misenheimer, 119 Arrowhead Drive, Prescott, 86301	445-5152	445-3181
Mr. Jack Ogden, Route 1, Box 6, San Simon, 85632	845-2314	
Rev. Gary Ramer, 7328 W. Cavalier, Glendale, 85303	937-2100	
Mr. Jim Walker, 3814 West Rovey, Phoenix, 85019	931-2247	257-2870

Two Year Term Expiring 1977:

Mr. R. E. Anderson, P. O. Box 91, Coolidge, 85228	723-5308	
Mrs. B. A. Boyle, 11001 Salem Drive, Sun City, 85351	933-7660	
Rev. Bobby Douglas, 5230 N. Scottsdale Rd., Scottsdale, 85253	947-9351	947-4091
Mr. Lee Faver, Rt. 2, Box 330, Buckeye, 85326	386-2348	
Rev. Joe D. Hall, 4438 W. Mercer Ln., Glendale, 85304	938-9581	249-0098
Mr. Tommy Harper, 3013 E. Hardy Pl., Tucson, 85716	327-5135	793-9379
Dr. E. L. Pennington, P. O. Box 638, Mammoth, 85618	487-2656	487-2656
Mrs. Rae Spitler, 1245 W. Ruth, Phoenix, 85021	943-3062	

One Year Term Expiring 1976:

Mr. David Butler, 9030 Bears Path Rd., Tucson, 85715	296-2697	884-3411
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Mr. Truman Cook, 505 E. Rose Lane, Phoenix, 85012	279-4866	979-6786
Mr. Lloyd Fuller, P. O. Box 607, Sierra Vista, 85635	458-3036	458-5661
Rev. Ronald Hart, 4233 N. 40th St., Phoenix, 85018	955-6285	955-4170
Dr. E. Harlin Staires, 781 University Heights Dr., S., Flagstaff, 86001	774-2817	523-3151
Mr. Vernon Walker, Sr., Box 714, Lakeside, 85929	336-4359	537-4894
Dr. W. R. Womack, 1402 N. Miller Road, Scottsdale, 85257	948-2659	994-0251
Rev. Mel Worters, 7460 Lakeside Drive, Tucson, 85730	790-8455	790-5201

Ex-Officio:

Dr. Roy F. Sutton, Executive Director-Treasurer, Arizona Southern Baptist Convention, 400 West Camelback, Phoenix, 85013	946-8355	264-9421
Dr. Richard Jackson, President, Arizona Southern Baptist Convention, 6225 North Central, Phoenix, 85012		248-7877

ADMINISTRATION OFFICERS

William R. Hintze, B.S., M.Div., Th.D.	President (1969)
Dillard Whitis, B.A., M.R.E., Ph.D.	Vice President for Academic Affairs (1968)
Dan Boliek, B.S. B.S., University of Arizona Additional Graduate Study, University of Arizona	Vice President for Business Affairs (1974)
Victor N. Varner, B.M.E., M.R.E., M.Ed., Ph.D.	Vice President for Student Affairs (1973)
Paul Barnes, B.A., M.R.E. B.A., Grand Canyon College M.R.E., Southwestern Baptist Theological Seminary Additional Graduate Study, Arizona State University	Vice President for Development (1971)

GENERAL ADMINISTRATIVE STAFF

- Mrs. Leola Brown, B.S. Registrar (1952),
Director of Admissions
B.S., Grand Canyon College
Additional Graduate Study, Arizona State University
- Joe D. Harris, B.B.A., M.B.A. Assistant Registrar (1969),
Director of Financial Aid
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
- David Rhew, Jr., B.A., M.L.S., M. Div. Librarian (1971)
B.A., University of Corpus Christi
M.L.S., North Texas State University
M.Div., Southwestern Baptist Theological Seminary
- Charles M. Cooke, M.D. College Physician (1975)
(also 1952-1970)
M.D., University of Utah
- Mrs. Clara J. Gilmore, R.N. College Nurse (1961)
R.N., St. Joseph's Hospital, Alton, Illinois
B.S., Grand Canyon College
- Henry M. Mann, B.S., M.A. Director of Antelope Press (1951)
B.S., Arkansas State University
M.A., George Peabody College
Additional Graduate Study, Arizona State University,
University of Arizona
- Robert Dillenburg Director of Food Service (1973)

OTHER ADMINISTRATIVE PERSONNEL

- Miss Helen Baughman Supervisor of Records and Computer
Operations Services
- Mrs. Dorothy Bickers Secretary in the Registrar's Office
- Mr. Ron Brown Business Office Manager
- Mrs. Linda Canion Secretary to the Librarian
- Mrs. Mary Carroll Assistant in the Library

Mrs. Lorraine Coleman	Accounts Receivable/Posting Clerk
Mrs. Lucy Conley	Mail Clerk
Mrs. Bobbi Dunigan	Secretary to Assistant Director of Admissions
Mrs. Betty Endsley	Secretary to Vice President for Academic Affairs
Mrs. Debbie Gilden	Assistant Secretary to Vice President for Academic Affairs; Secretary to Director of Financial Aid
Mr. Loyd B. Hester	Accountant in the Business Office
Mrs. Gwen Hill	Secretary to Vice President for Student Affairs
Mrs. Hazel Hittepole	Records Clerk
Mrs. Pauline Holcek	Secretary to Vice President for Business Affairs
Mrs. Cornelia Hossley	Dormitory Director
Mrs. Ruth Laughman	Dormitory Director
Mr. W. E. Laughman	Director of Men's Dormitories
Mrs. Carolyn Martin	Secretary to the President
Mrs. Della May	Assistant in the Library
Mrs. Fannie Mae Meredith	Secretary of the Alumni Association
Mr. Tom Newsom	Director of Public Relations
Mrs. Cecelia Pawlick	Bookstore Manager
Mrs. Coy Reeves	Director of Teacher Placement
Mrs. Genita Robinson	Assistant in the Library
Mrs. Katherine Simpson	Accounts Payable Clerk
Mr. Barry Thompson	Assistant Director of Admissions
Mrs. Martha Toon	Secretary to the Vice President for Development
Mr. Maurice Worley	Assistant Business Manager

MAINTENANCE PERSONNEL

Mr. Lee Cook	Superintendent of Buildings & Grounds
Mr. William Ohmie	Maintenance Worker
Mr. Byron Perdue	Grounds Maintenance Supervisor and Security
Mr. Benny Robinson	Head of Custodial Services
Mr. Joseph C. Scates	Maintenance Worker

FACULTY

William R. Hintze, B.S., M.Div., Th.D. President
 Professor of Religion

B.S., University of Texas at El Paso
 M.Div., Southwestern Baptist Theological Seminary
 Th.D., Southwestern Baptist Theological Seminary

Dillard Whitis, B.A., M.R.E., Ph.D. Professor of Education
 B.A., Baylor University
 M.R.E., Southwestern Baptist Theological Seminary
 Ph.D., Arizona State University

Victor N. Varner, B.M.E., M.R.E., M.Ed., Ph.D. Director of Religious
 Activities

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

Woodrow Berryhill, B.S., M. Associate Professor of Education
 Chairman of Department of Education & Psychology;
 Director of Teacher Training (1963)

B.S., Central State University
 M.S., Oklahoma State University
 Additional Graduate Study, Arizona State University,
 Ball State University, South Dakota School of Mines

David Burl Brazell, B.S., M.S., Ed.D. Director of Athletics;
 Chairman of Department of Health & Physical Education;
 Professor of Health & Physical Education;
 Baseball Coach (1951)

B.S., State College of Arkansas
 M.S., University of Arkansas
 Ed.D., Arizona State University

Mildred Brazell, B.A., M.A., Ed.D. Professor of Physical
 Education (1952)

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. Professor of English;
 Chairman of Department of Humanities (1959)

B.S., M.A., Arizona State University
 Ph.D., University of Colorado

David Brannan Claxton, B.S., M.S. Assistant Professor of Health
and Physical Education (1975)

B.S., M.S., Baylor University

Oneta Corley, B.S., M.S. Assistant Professor of Business (1964)

B.S., Southwestern State College
M.S., Oklahoma State University
Additional Graduate Study, Arizona State University,
University of Oregon, Northern Arizona University

J. P. Dane, B.A., B.D., Th.M., Th.D. Professor of Religion;
Director of Center for Biblical Studies (1972)

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. Associate Professor of Education (1970)

B.A., Pacific University
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. Professor of Music,
Chairman of Department of Music (1966)

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. Associate Professor of Music (1966)

B.M.Ed., Southwest Texas State College
M.M., Westminster Choir College
Additional Graduate Study, North Texas State University

Kenneth Goldsberry, B.A., M.A. Assistant Professor of Speech (1972)

B.A., University of Idaho
M.A., Miami University
Additional Graduate Study, New York University,
Columbia University, Arizona State University

Larry L. Howard, B.A., M.A., Ed.D. Associate Professor of
Education (1975)

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. Associate Professor of History;
Chairman of Department of History and Social Sciences (1966)
B.A., Grand Canyon College
M.A., Arizona State University
M.Div., Midwestern Baptist Theological Seminary
Additional Graduate Study, Arizona State University
- R. L. (Rob) Jones, B.A., M.A., Ph.D. Associate Professor
of Business and Economics (1975)
B.A., University of Arizona
M.A., and Ph.D., Arizona State University
- Harry D. Kent, B.B.A., M.B.E. Associate Professor of Business (1955)
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. Associate Professor of
Science (1975)
B.S., M.S., Ph.D., University of
Southern Mississippi
- Jim Warren Krout, B.A., M.A., M.A., Ph.D. Assistant Professor of
English (1974)
B.A., Mississippi College
M.A., University of Colorado
M.A., University of Denver
Ph.D., Purdue University
- J. Benjamin Lindsey, B.S., M.S. Associate Professor of Health &
Physical Education; Basketball Coach (1965)
B.S., Grand Canyon College
M.S., Arizona State University
Additional Graduate Study, Arizona State University
- Clarice Maben, B.A., M.A. Associate Professor of History (1947)
B.A., Grand Canyon College
M.A., Baylor University
Additional Graduate Study, University of Arizona
- D. C. Martin, B.A., Th.M., M.R.E., Th.D. Professor of Religion (1971)
B.A., Wake Forest College
Th.M., M.R.E., Southwestern Baptist Theological Seminary
Th.D., New Orleans Baptist Theological Seminary
- Kenneth Merrifield, B.A., B.D., M.A. Assistant Professor of
Behavioral Science (1968)
B.A., Ottawa University
B.D., Central Baptist Seminary
M.A., Arizona State University

- Erdie Morris, B.S., M.A., M.P.H., Ph.D. Professor of Science (1970)
 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. Assistant Professor of Science (1975)
 B.S., Baylor University
 Ph.D., University of Pennsylvania
- Paul Paige, B.M., M.M., Ph.D. Associate Professor of Music (1971)
 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. Associate Professor of Music;
 Director of Instrumental Ensembles (1968)
 B.M., Michigan State University
 M.M., Michigan State University
 Additional Graduate Study, Arizona State University
- J. Niles Puckett, B.A., LL.B., Th.M., Th.D. Professor of Religion;
 Chairman of Department of Religion (1949)
 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. Associate Professor of Art (1974)
 B.S., M.S., Fort Hays Kansas State College
 Ed.D., Arizona State University
- Roger L. Schmidt, B.A., M.A. Associate Professor of English (1962)
 B.A., Grand Canyon College
 M.A., Arizona State University
 Doctoral Candidate, Arizona State University
- Grace Weller, B.A., M.Mus. Associate Professor of Music (1950)
 B.A., Georgetown College
 M.Mus., Cincinnati Conservatory of Music
 Additional Graduate Study, University of Kentucky;
 University of California at Los Angeles, University
 of Vienna, Akademie für Music und Darstellende
 Kunst at Vienna

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D. Professor of
Mathematics; Chairman of Department of
Science & Mathematics (1965)

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. Associate Professor
of Science (1956)

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, University of
Southern Mississippi

PART-TIME FACULTY — Fall 1975

Christa W. Britt, B.A., M.A. German
B.A., Arizona State University
M.A., Arizona State University

James E. Carter, B.A., M.Ed., LL.B. Criminal Justice
B.A., Grand Canyon College
M.Ed., Arizona State University
LL.B., University of Arizona

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
B.S., Grand Canyon College

Barbara Hintze, B.S. Mathematics
B.S., Grand Canyon College

Patty Johanna Horn, B.S., M.A. Education
B.S., University of Oklahoma
M.A., Northern Arizona University

- Lester E. Jennings, Jr., B.A. Criminal Justice
B.A., Grand Canyon College
- Shirley Ann Johnson, B.S., M.N.S. Geography
B.S., Valley City State Teachers College
M.N.S., Arizona State University
Additional Graduate Study, Northern Arizona University,
University of North Dakota, St. Cloud State College,
University of Arizona
- Donald R. Kelly, B.S., M.S. Art
B.S., Ft. Hays Kansas State College
M.S., Ft. Hays Kansas State College
- David E. Lawrence, B.A. Criminal Justice
B.A., San Jose State University
- Jo Ellyn Lock, B.S., M.A. Education
B.S., Illinois State Normal University
M.A., Northern Arizona University
- June M. Myers, B.A., M.A. Education
B.A., Grand Canyon College
M.A., George Peabody College
- Wade Oliver, B.A., M.A. Education
B.A., Arizona State University
M.A., Arizona State University
Doctoral Candidate, Arizona State University
- Roberto A. Peart, B.A., MSW Sociology
B.A., Grand Canyon College
MSW, Arizona State University
- Mavis Pust, B.A. Spanish
B.A., Grand Canyon College
- Eileen Rawle, B.A., M.C. Psychology
B.A., Grand Canyon College
M.C., Arizona State University
- Keith D. Shelton, B.A., B.D., Th.M. Religion
B.A., Oklahoma Baptist University
B.D., Southwestern Baptist Theological Seminary
Th.M., Southwestern Baptist Theological Seminary
- 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

- Michael F. Simmons, B.S., M.A. Art
 B.S., Pennsylvania State University
 M.A., Arizona State University
- Mary Martha (Marti) Stoltenberg, B.A., M.A. French
 B.A., University of Montana
 M.A., Arizona State University
- 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
- Marlys Woodruff, B.S., M.S. Education
 B.S., Grand Canyon College
 M.S., Central Missouri State University
- J. E. Zimmerman, B.A., M.A., Litt.D. English
 B.A., Baylor University
 M.A., Baylor University
 Litt.D., Grand Canyon College
- Mary S. Zumot, B.A., M.A. History & Social Sciences
 B.A., Baylor University
 M.A., Southern Methodist
 Doctoral Candidate, Arizona State University

FACULTY COMMITTEES

1975-76

The first named member is chairman, unless otherwise specified.

ADMINISTRATIVE

Administrative Advisory: Dr. Hintze, Mr. Barnes, Dr. Bryan, Mr. Boliek, Mrs. Davis, Dr. Morris, Dr. Puckett, Dr. Varner, Dr. Whitis, Dr. Williams

Athletic: Dr. Whitis, Mr. Boliek, Dr. Morris, Mr. Youngs; Mr. Howerton, Faculty Athletic Representative; Bill Renn, President of Student Body; Greg Gearing, President of Christian Service Council

Chapel: Dr. Varner, Dr. Dane, Mr. Goldsberry, Mr. Rhew, Miss Weller, Mr. Youngs, Bob Canon, Mike Haddow, Marsha Ferguson

College Relations: Mr. Newsom, Mrs. Meredith, Mr. Thompson, Cindy Currey, Vicki Harvey, Dan Crothers, Student Sports Information Director

Scholarships: Miss Maben, Mr. Harris, Dr. Hintze, Mr. Thompson, Dr. Whitis, Dr. Williams, Lon Dufek

Task Force for Admissions: Dr. Hintze, Mr. Barnes, Mrs. Brown, Mr. Harris, Dr. Jones, Mr. Schmidt, Mr. Thompson, Dr. Varner, Mr. New-som, Dr. Whitis, Mr. Boliek, Wayne Osburn

ACADEMIC

Academic Affairs: Mr. Howerton, Mrs. Brown, Mr. Lindsey, Dr. Morris, Mr. Schmidt, Dr. Whitis, Joe Walker

Curriculum: Dr. Puckett, Mr. Berryhill, Dr. Dave Brazell, Dr. Bryan, Dr. Delavan, Mr. Howerton, Dr. Whitis, Dr. Williams, Marian Barker

Faculty Handbook: Mrs. Davis, Dr. Delavan, Miss Maben

Library: Dr. Krout, Dr. Dane, Dr. Jones, Mr. Rhew, Mrs. Stoltenberg

Long Range Planning: Dr. Whitis, Mr. Barnes, Dr. Jones, Dr. Williams, Mr. Harper, Mr. Walker, Dan Crothers, Barry McBride

Student Publications: Dean of Women, Dr. Bryan, Mr. Goldsberry, Dr. Martin, Shirli Overton

Teacher Education: Mr. Berryhill, Mrs. Delavan, Mr. Kent, Mrs. Reeves, Dr. Howard, Shyla Hansen

STUDENT AFFAIRS

Counseling: Dean of Women, Dr. Mildred Brazell, Mr. Claxton, Mrs. Gilmore, Dr. Martin, Mr. Merrifield, Mr. Shelton, Dianne Yerkes

Dean of Students Advisory: Dr. Varner, Dean of Women, Mr. Merrifield, Miss Zumot, Dan Crothers, Bill Renn

FACULTY

Academic Privilege and Tenure: Dr. Williams, Dr. Bryan, Mrs. Davis, Miss Maben, Mr. Phillips

Faculty Affairs: Dr. Morris, Mr. Merrifield, Mr. Howerton

Faculty Development: Dr. Bryan, Dr. Mildred Brazell, Dr. Dane, Mrs. Davis, Mr. Kent, Dr. Morris, Mr. Phillips, Dr. Williams

Tenure and Academic Promotion: Dr. Bryan, Mr. Phillips, Miss Maben



IX. Student Statistics

Graduates 1974
1975

Enrollment Statistics 1974-75

GRADUATES 1974

BACHELOR OF ARTS

James Thomas Aven, Hurst, Texas
Robert Pierce Babcock, Phoenix, Arizona
Robert Roy Blatter, Glendale, Arizona
William David Burns, Phoenix, Arizona
Hayes D. Button, Phoenix, Arizona
Mary S. Carroll, Phoenix, Arizona
Michael Robert Case, Phoenix, Arizona
Wesley Lynn Crane, Russell, Kansas
Daniel Richard Dade, San Cristobal, Venezuela
Nancy Melton Douglas, Phoenix, Arizona
Graciella Giannetta, Sao Paulo, Brazil
Betty Jean Goldman, Tempe, Arizona

Santiago Gonzales, Casa Grande, Arizona
Stephen Paul Hayes, Phoenix, Arizona
Cecilia A. Hoffpaur, Coleman, Texas
John Harold Jones, Farmington, New Mexico
James E. Maynard, Phoenix, Arizona
Johnnie Lee Miller, Pearl City, Hawaii
Glenn Lee Roy Munkres, Salmon, Idaho
Jack Robert Ogden, San Simon, Arizona
Ray Perdue, Phoenix, Arizona
Terry Steve Simpson, Flint, Michigan
Charri L. Strong, Phoenix, Arizona
Norman Lewis Watson, Arvada, Colorado

BACHELOR OF SCIENCE

Donald H. Abbott, Phoenix, Arizona
Thomas Bailey Aldridge, Phoenix, Arizona
Karen R. Barber, Phoenix, Arizona
Rod D. Baxter, Jamesport, Missouri
Gregory De Verre Bengel, Bloomfield, Iowa
Connie Mitchell Bilbrey, Phoenix, Arizona
Donna Kay Bingham, Ajo, Arizona
Joseph N. Bommersbach, Phoenix, Arizona
Victoria Louise Bonnet, Phoenix, Arizona
Roger Eugene Boston, Phoenix, Arizona
Douglas Dean Brewer, Phoenix, Arizona
Larry A. Brown, Jefferson, Ohio
Marcia Eileen Bunch, Salt Lake City, Utah
Joseph John Butkiewicz, Jr., Phoenix, Arizona
James W. Caldwell, Scottsdale, Arizona
Linda Lee Brunson Carter, Payson, Arizona
Marlene Brand Cavanaugh, Prescott, Arizona
Nancy J. Chase, Sierra Vista, Arizona
Deborah Jean Clark, Holbrook, Arizona
Val D. Cleland, Glendale, Arizona
Betty Joan Cohen, Phoenix, Arizona
Joe Timothy Conlin, Fort Worth, Texas
Pamela Sue Sechrist Cook, Phoenix, Arizona
Elaine Marie Couch, Miami, Florida
Douglas W. Cox, Phoenix, Arizona
Aleda Terrell Craig, Glendale, Arizona
Ray Davis, Seattle, Washington
Marlene Jo Dawson, Phoenix, Arizona
James A. Dillehay, Glendale, Arizona
Leslie Jo Dodrill, Phoenix, Arizona
Dale Jones Duncan, Tucson, Arizona
David Ray Elmore, Buckeye, Arizona
Salvatore Lopez Flores, Glendale, Arizona
Alvin L. Francis, Grand Canyon, Arizona
Kent D. Fulmer, El Centro, California
James Ralph Giordano, Phoenix, Arizona
Charley R. Graham, Glendale, Arizona
Gary Graham, Farmington, New Mexico
Gwendolyn Sue Green, Peoria, Arizona
Richard Michael Greve, Phoenix, Arizona
Dorothy D. Groves, North Surprise, Arizona
James A. (Bo) Hall, Bowie, Arizona
John Wilson Hamner, Phoenix, Arizona
Christine Amelia Harr, Sierra Vista, Arizona
Gary Nolan Harr, Boulder, Colorado
Cynthia Lee Hall Haws, Phoenix, Arizona
Sylvia J. Hoffmaster, Indio, California
Sandra Kay Howell, Casa Grande, Arizona
James Carroll Huggins, Porterville, Calif.

Omer R. Irby, Tucson, Arizona
James D. Irvine, Jr., Phoenix, Arizona
Susan Jenkins, Scottsdale, Arizona
George R. Kamau, Nairobi, Kenya
Carol Lynn Kintner, Phoenix, Arizona
Brenda Sue Kramer, Tucson, Arizona
Linda S. Lanharn, Bagdad, Arizona
Michael Frederick Luty, Phoenix, Arizona
Carol Marie Lyons, Phoenix, Arizona
Mary Kay Maas, Phoenix, Arizona
Raymond Lee Mackey, Tolleson, Arizona
Carol Janeen Martin, Phoenix, Arizona
William Lee Mason, Glendale, Arizona
Steven Charles Mc Phail, Toronto, Canada
William Dean Niefertfeld, Phoenix, Arizona
Margaret Norton, Phoenix, Arizona
Joy Louise Owens, Phoenix, Arizona
John E. Place, Boise, Idaho
Joseph T. Ponce, Phoenix, Arizona
Marjorie Gail Premovich, Tucson, Arizona
Toni Gail Quinn, Phoenix, Arizona
Barbara Ann Ransom, Pasadena, California
Michael Wayne Reno, Middletown, Indiana
Mary Ruth Bell Rochelle, Yuma, Arizona
Walter Beaumont Ross, Phoenix, Arizona
Robert Anthony Salviano, Phoenix, Arizona
Rudy Raul Santa Cruz, Phoenix, Arizona
Rita Webb Scott, Phoenix, Arizona
Ronald K. Scott, Phoenix, Arizona
Imogene K. Sexton, Coolidge, Arizona
Terry Jean Smith, Phoenix, Arizona
Richard E. Spieles, Jr., Phoenix, Arizona
Norman Levoyd Stallings, Phoenix, Arizona
Crystal Coberly Stanley, Phoenix, Arizona
Linda Kaye Stevens, Phoenix, Arizona
Shelley Diane Stiles, Phoenix, Arizona
Wanda E. Swearengton Stinson, Phoenix, Arizona
Thomas William Stone, Phoenix, Arizona
Barry Lee Thompson, Phoenix, Arizona
Santos Tovar, San Antonio, Texas
Chris P. Unwiller, Buckeye, Arizona
Susan Vander Ploeg, Phoenix, Arizona
Sally Jean Vargas, Phoenix, Arizona
Malcolm Louis Vick, Tucson, Arizona
Janet Ann Hines Volkema, Chandler, Arizona
Marta Elizabeth Wade, Phoenix, Arizona
Rosemary Warren, Springfield, Tennessee
Elizabeth Jean Weissner, Phoenix, Arizona
Earl Vance Wilcox, Phoenix, Arizona

GRADUATES 1975

BACHELOR OF ARTS

Alfonso C. Aguilar, Phoenix, Arizona
 Larry J. Ashkie, Phoenix, Arizona
 Lynn Alan Baird, Glendale, Arizona
 George S. Barker, Sierra Vista, Arizona
 Irene Baskerville, Glendale, Arizona
 Kelly D. Bateman, Goodyear, Arizona
 Ray Wendell Becker, Phoenix, Arizona
 Stephen Alan Becker, Phoenix, Arizona
 James Robert Bell, Phoenix, Arizona
 Wendi Lee Bond, Phoenix, Arizona
 Zula E. Boydston, Phoenix, Arizona
 Terry Jean Brandon, Anchorage, Alaska
 William Dean Brice, Alliance, Nebraska
 Lorraine Cecile Butcher, Peoria, Arizona
 Susan Yvonne Carlisle, Willcox, Arizona
 William J. Cavanaugh, El Cajon, California
 David L. Cook, Phoenix, Arizona
 Brian Lee Cutting, Lake Havasu City, Arizona
 Laurene B. Devine, Glendale, Arizona
 Joseph Di Caro, Phoenix, Arizona
 Gerald Carlton Duncan, Phoenix, Arizona
 James R. Franke, Chandler, Arizona
 Lucretia S. Groen, Phoenix, Arizona
 Verna Marie Henderson, Phoenix, Arizona
 Debra Belle Hicks, La Junta, Colorado
 Charles D. Holowell, Pittsburgh, Pennsylvania
 Ralph Eugene Hood, Jr., Phoenix, Arizona
 Janice Rose Hopper, Winslow, Arizona
 Richard Curry Huff, Tucson, Arizona
 Kathy Ann Hurst, Kingman, Arizona
 Randy Glen Hurst, Kingman, Arizona
 Franklin Lewis Jackson, Jr., Phoenix, Arizona

Jo Ellen Johnsen, Fithian, Illinois
 Janelle Lee Kandt, Ketchikan, Alaska
 Martin S. Keffer, Reading, Pennsylvania
 Bruce David Mc Bride, Phoenix, Arizona
 Thomas Joseph Mc Carthy, Phoenix, Arizona
 Paul Wesley Mc Cullough, Phoenix, Arizona
 Gerald D. Mc Daniel, Phoenix, Arizona
 Gloria Anderson Mc Lean, Phoenix, Arizona
 John Lloyd Menning, Des Moines, Iowa
 Larry Leland Miller, Fresno, California
 David Glenn Morgan, Phoenix, Arizona
 Claudia Mae Morris, Phoenix, Arizona
 Linda Joyce Nixon, Phoenix, Arizona
 Tim Charles Posedly, Tucson, Arizona
 Lawrence Wayne Proctor, Chesapeake, Virginia
 Gayle Lee Reid, Phoenix, Arizona
 Loyd R. Rhyne, Phoenix, Arizona
 Michael Lynn Rochelle, Las Vegas, Nevada
 Bobbi Lynn Rolan, Phoenix, Arizona
 Linda Jean Sanborn, Rantoul, Illinois
 Karen Sechrist, Phoenix, Arizona
 Timothy Ray Sieges, Dexter, Oregon
 Thomas Nelson Sperry, Dayton, Ohio
 Mona A. Storms, Phoenix, Arizona
 Dennis R. Taylor, Phoenix, Arizona
 Evelyn L. Theobald, Phoenix, Arizona
 Benedict P. Thomas, Blackwater, Arizona
 Alan James Thompson, Superior, Arizona
 Myron H. Upton, Phoenix, Arizona
 Robert William Wanless, Phoenix, Arizona
 John J. Ward, Phoenix, Arizona
 Sam Edward Young, Tucson, Arizona

BACHELOR OF SCIENCE

Benjamin R. Allen, Prescott, Arizona
 Linda Joyce Allen, Avondale, Arizona
 Wayne L. Allen, Sr., Phoenix, Arizona
 Glenna J. Anderson, Phoenix, Arizona
 Nancy Baker, Glendale, Arizona
 Lawrence D. Bashaw, Glendale, Arizona
 Jean Lynn Blumer, Phoenix, Arizona
 Ivie Marie Bohn, Phoenix, Arizona
 Roberta Jane Bolton, Albuquerque, New Mexico
 Lynne G. Bortel, Phoenix, Arizona
 David Wallace Bradley, Goodwell, Oklahoma
 Coleen Renee Brandel, Cascade, Idaho
 Robert Wayne Brown, Anchorage, Alaska
 Scott T. Burdette, Tempe, Arizona
 Douglas Eugene Burton, Phoenix, Arizona
 Sandra Dee Byrd, Phoenix, Arizona
 Sonja Campbell, Phoenix, Arizona
 Peter Randolph Catalanotte, Phoenix, Arizona
 Mary Jane Chissie, Tuba City, Arizona
 Tina Jewel Cole, Goodland, Kansas
 Charles William Cox II, Tucson, Arizona
 Linda M. Craft, Phoenix, Arizona
 Janet Linn Darnell, Phoenix, Arizona
 Juanita Childress Deay, Phoenix, Arizona
 Daniel Joseph De Battista, Pittsburgh, Pennsylvania
 Gerald Edward Detweiler, Glendale, Arizona
 Thomas Joseph Dorcak, Chicago, Illinois
 Fayle Elizabeth Elven, Phoenix, Arizona
 Patti Sue Enos, Glendale, Arizona
 Steve Mitchell Ertle, Phoenix, Arizona
 David Paul Eymann, Phoenix, Arizona
 Peggy Ward Forrest, Bandon, Oregon
 William E. Fourt, Phoenix, Arizona
 Beverly Ann Fowler, Coolidge, Arizona
 Bonita Fortner French, Phoenix, Arizona
 Diane Laura Friscopp, Boise, Idaho

Raymond E. Frye, Sylvania, Ohio
 Linda Diane Furgerson, Litchfield, Arizona
 Robert B. Gordon, Glendale, Arizona
 William Martin Gorman, Phoenix, Arizona
 Diane Gourley, Phoenix, Arizona
 Carol Lynn Graves, Beaumont, Texas
 Stephanie Haddy, Phoenix, Arizona
 Jane Marie Hamby, Phoenix, Arizona
 Debra Renee Harris, Winslow, Arizona
 Bobby R. Horn, Prescott, Arizona
 Sandra L. Huft, Tempe, Arizona
 Paul Albert Jarvis, Phoenix, Arizona
 Norma Kathlene Mitchell King, Phoenix, Arizona
 Glen C. Kirk, Phoenix, Arizona
 Robert E. Kukrall, Phoenix, Arizona
 Merry L. Lawson, Casa Grande, Arizona
 James Edward Layden, Phoenix, Arizona
 Carole Elaine Ledbetter, Casa Grande, Arizona
 Darrel W. Lewis, Phoenix, Arizona
 Shirley Jean Light, Phoenix, Arizona
 Belinda Flame Lopez, Phoenix, Arizona
 Virginia Matthews, Phoenix, Arizona
 Carolyn Lee Mattox, Phoenix, Arizona
 Janet Edith Mc Anelly, Phoenix, Arizona
 Robert J. Mc Clure, Phoenix, Arizona
 Carmelita Mc Donald, Ajo, Arizona
 Keith Brewer Mc Ginnis, Albuquerque, New Mexico
 Carolyn Cecilia Peet Mc Mahon, Phoenix, Arizona
 William Travis Mc Spadden, Phoenix, Arizona
 Susan Carol Montgomery, Superior, Arizona
 Christine Louise Moss, Belding, Michigan
 Ronny J. Muench, Phoenix, Arizona
 Gary Willard Munsterman, Phoenix, Arizona
 John D. Nelson, Phoenix, Arizona
 Edward C. Olsker, Jr., Phoenix, Arizona
 Carl Paladino, Port Chester, New York

Billy J. Patrick, Bakersfield, California
 Nancy Jo Petersen, Chicago, Illinois
 Beverly Ann Peterson, Phoenix, Arizona
 Carol Ann de Lange Pierce, Glendale, Arizona
 Debra Gail Kirkland Richards, Casa Grande, Arizona
 Margaret E. Robertson, Tucson, Arizona
 Heradia Sierra Sanders, Phoenix, Arizona
 L. Charles Savale, Jr., Phoenix, Arizona
 Jeanine Joy Schmitt, Yuma, Arizona
 John Shillington, Phoenix, Arizona
 Kathleen Ruth Shoger, Phoenix, Arizona
 Bruce J. Sitko, Danville, Kentucky
 Kay L. Starley, Prescott, Arizona
 Olivia Ann Shumake Templeton, Glendale, Arizona
 Martha Jane Irving Thomas, Window Rock, Arizona

Etna Locklar Thompson, Phoenix, Arizona
 Paul Sims Thompson, Phoenix, Arizona
 Vicki A. Hash Timmons, Yuma, Arizona
 Ronald R. Tripson, Phoenix, Arizona
 Gale Trow, Phoenix, Arizona
 Luella Van Roekel, Mesa, Arizona
 Donald Arthur Volkema, Quincy, California
 Terry Lee Waller, Mexico, Missouri
 Joan Marie Weisser, Phoenix, Arizona
 Earl Louis Whitmore, Phoenix, Arizona
 Kenneth Edward Williams, Casa Grande, Arizona
 Gary Russell Wilson, Phoenix, Arizona
 Ronald L. Wilson, Hyden, Kentucky
 Joanne Di Capua Wingfield, Phoenix, Arizona
 Bruce Albers Wiskirchen, Sun City, Arizona

BACHELOR OF GENERAL STUDIES

Ronald L. Wilson, Phoenix, Arizona

STATES REPRESENTED BY STUDENTS ENROLLED Fall, 1975

Alabama	Illinois	Missouri	Oregon
Alaska	Iowa	Montana	Pennsylvania
Arizona	Kansas	Nebraska	Tennessee
California	Louisiana	Nevada	Texas
Colorado	Maryland	New Jersey	Utah
Delaware	Massachusetts	New Mexico	Virginia
Florida	Michigan	New York	Washington
Georgia	Minnesota	Ohio	Wisconsin
Hawaii	Mississippi	Oklahoma	Wyoming
Territory of Puerto Rico			

FOREIGN COUNTRIES REPRESENTED BY STUDENTS ENROLLED 1975

Canada
Ghana
Israel
Japan

Kenya
Mexico
Nigeria
Pakistan

Taiwan
Thailand
Uruguay

ENROLLMENT STATISTICS June 1, 1974 to May 31, 1975

	Women	Men	Total
Freshmen	151	133	284
Sophomores	100	108	208
Juniors	114	165	279
Seniors	111	147	258
Auditors	95	77	172
*Specials	317	252	569
	<hr/>	<hr/>	<hr/>
	888	882	1770

*Includes students enrolled in the Fifth-year Program of Teacher Training.

**DENOMINATIONS REPRESENTED
BY STUDENTS ENROLLED
1974-75**

Assembly of God	Episcopal	Native American Indian Church
Baptist	Evangelical Free	Nazarene
Bible	Foursquare Gospel	Non-Denominational
Brethren	Friends	Pentecostal
Catholic	Full Gospel	Plymouth Brethren
Christian Catholic	Greek Orthodox	Presbyterian
Christian Missionary Alliance	Independent	Reformed
Christian Reformed	Interdenominational	Religious Science
Christian Science	Jewish	Salvation Army
Church of Christ	Latter Day Saints	Seventh Day Adventist
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