

Grand Canyon
11/29/81



General Catalog

1980-1981
1981-1982



2

VOLUME XXVIII

FEBRUARY, 1980

CATALOG

Grand Canyon College

3300 West Camelback Road
PHOENIX, ARIZONA

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

1980-81

1981-82

THE COLLEGE SEAL

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

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

The colors of Grand Canyon College are purple and white.

Recommended by the faculty and adopted by the trustees.

Foreword

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

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

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

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

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

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

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

Directory for Correspondence

College Mailing Address

Grand Canyon College
3300 W. Camelback Road
P. O. Box 11097
Phoenix, AZ 85061

General Policy, Gifts and Endowment,
Legal Matters

President of the College

Academic Matters, Faculty, Curriculum,
and Program

Executive Vice President

Admissions, Catalog

Registrar

Expenses, Financial Arrangements,
Student Employment on Campus

Director of Financial Aid

Student Employment off Campus

Director of Placement

Tuition Grants for Ministerial Students

Director of Financial Aid

Dormitories and Housing

Dean of Students,
Administrative Assistant

Fund Development and Estate Planning

Senior Vice President for
Institutional Advancement

Associated Students, Student Publications

Dean of Students

Publicity Materials

Assistant Director of Admissions

Teacher Education

Director of Teacher Education

Veterans' Affairs

Director of Financial Aid

Summer School

Executive Vice President

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. From 9 a.m. to 12 o'clock noon on Saturdays the office of the Assistant Director of Admissions and the switchboard are open. During summer and holidays the office hours are 8 a.m. to 4 p.m. Holidays: Thanksgiving Day, Christmas Eve, Christmas Day, New Year's Eve, 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 Executive Vice President. If plans cannot be made far enough in advance, a telephone call will often find someone at the switchboard to arrange a visit. Telephone: Area Code 602, 249-3300.

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ACADEMIC CALENDAR — FALL SEMESTER

	1980	1981
Faculty Workshop	Sept. 1	Aug. 31
Dormitories open for new students	Sept. 1	Aug. 31
Conferences, placement tests, and orientation for new students	Sept. 2	Sept. 1
Registration for Seniors, Juniors, Sophomores	Sept. 2	Sept. 1
Registration for Freshmen and Transfers	Sept. 3	Sept. 2
Instruction begins	Sept. 4	Sept. 3
Evening Registration	Sept. 4, 8, 9	Sept. 3, 7, 8
Instruction begins, evening classes	Sept. 4	Sept. 3
Last day to register for credit	Sept. 15	Sept. 14
Records close for mid-term	Oct. 24	Oct. 23
Mid-term grade reports due by 5:00 p.m.	Oct. 30	Oct. 29
Founders Day (Monday)	Nov. 3	Nov. 2
Veterans Day (Day classes only)	Nov. 11	Nov. 11
Last day to drop courses without penalty	Nov. 6	Nov. 5
Thanksgiving Holidays	Nov. 27-30	Nov. 26-29
Final Examinations (5th period MWF on Dec. 12)	Dec. 15-18	Dec. 14-17
Grade reports due	Dec. 22	Dec. 21
Christmas Holidays	Dec. 19-Jan. 4	Dec. 18-Jan. 3

STUDENT TEACHING

Classes begin	Sept. 4	Sept. 3
Last day to register for Education Block courses	Sept. 10	Sept. 9
Last day to drop Education Block courses without penalty	Sept. 26	Sept. 25
Classes end	Oct. 16	Oct. 15
Student teaching begins	Oct. 20	Oct. 19
Student teaching ends	Dec. 19	Dec. 18
January Term begins (Monday)	Jan. 5	Jan. 4
January Term ends (Friday)	Jan. 23	Jan. 22
January Term reports due by 12:00 noon	Jan. 24	Jan. 23

1980

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

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

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

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

SUMMER SESSIONS*

1980 Pre-sessions	May 26-June 6
First Term	June 6-July 11
Second Term	July 12-August 15
1981 Pre-sessions	May 25-June 5
First Term	June 5-July 10
Second Term	July 11-August 14
1982 Pre-sessions	May 24-June 4
First Term	June 4-July 9
Second Term	July 10-August 13

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

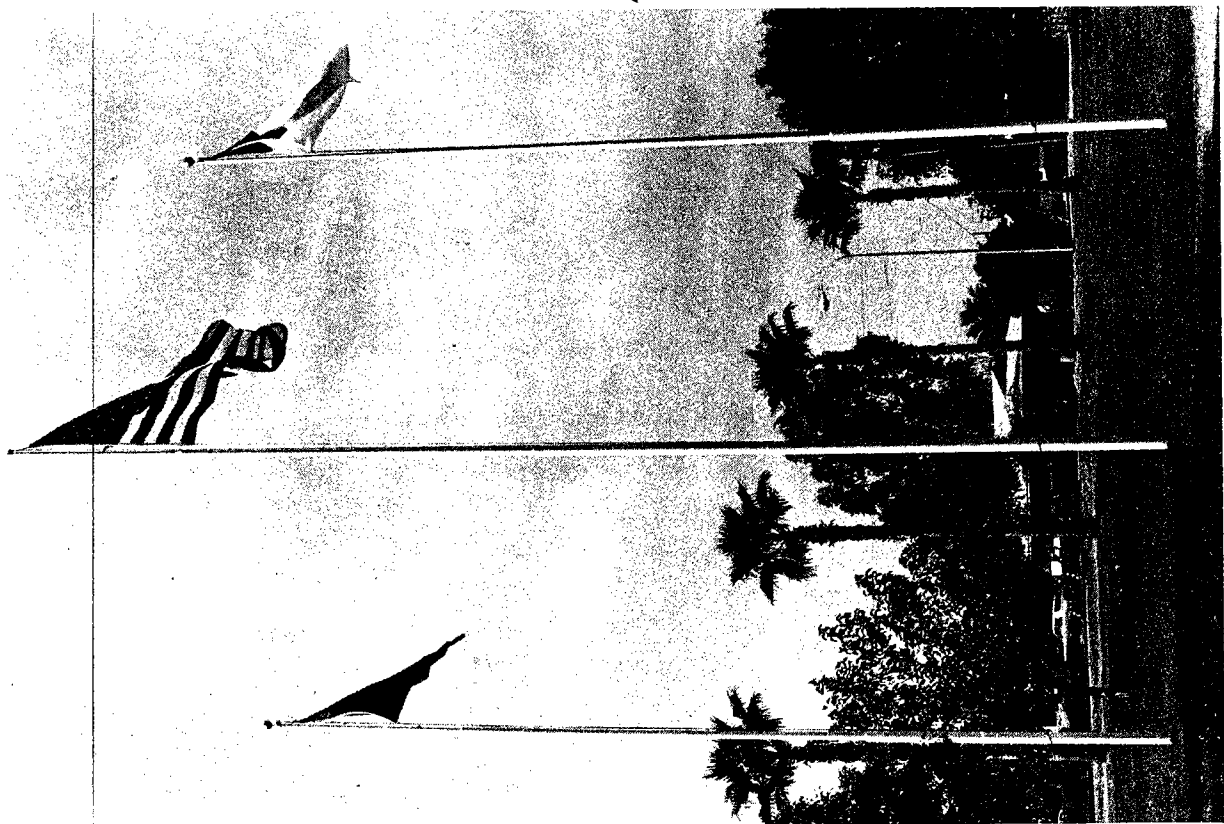
ACADEMIC CALENDAR - SPRING SEMESTER

	1981	1982
Dormitories open for new students	Jan. 26	Jan. 25
Conferences for new students	Jan. 27	Jan. 26
Registration of Seniors, Juniors, and Sophomores	Jan. 27	Jan. 26
Registration of Freshmen and Transfers	Jan. 28	Jan. 27
Instruction begins, day classes	Jan. 29	Jan. 28
Evening registration	Jan. 29, Feb. 2, 3	Jan. 28, Feb. 1, 2
Instruction begins, evening classes	Jan. 29	Jan. 28
Last day to register for credit	Feb. 9	Feb. 8
Records close for mid-term grades	Mar. 20	Mar. 19
Mid-term grade reports due by 5:00 p.m.	Mar. 26	Mar. 25
Spring vacation	Apr. 13-20	Apr. 5-12
Last day to drop courses without penalty	Apr. 2	Apr. 1
Grade reports for Seniors due 12:00	May 22	May 21
Final examinations (5th period MWF held on May 15)	May 18-21	May 17-20
Grade reports due 5:00 p.m.	May 25	May 24
Baccalaureate service 10:00 a.m.	May 23	May 22
Commencement 5:00 p.m.	May 23	May 22

STUDENT TEACHING

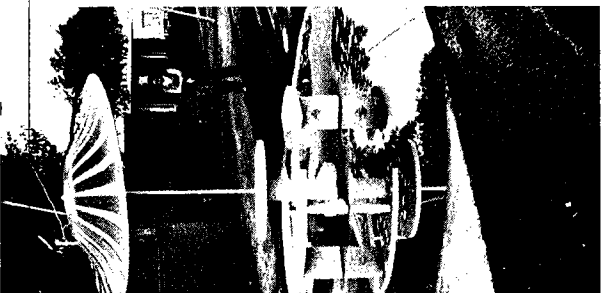
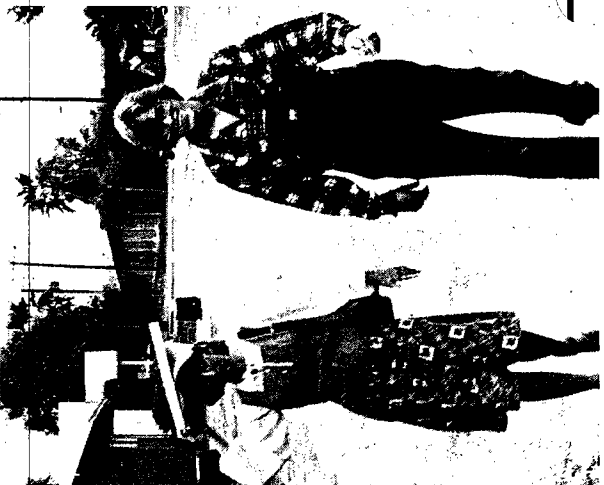
Classes begin	Jan. 29	Jan. 28
Last day to register for Education Block courses ..	Feb. 4	Feb. 3
Last day to drop Education Block courses without penalty	Feb. 26	Feb. 26
Students end	Mar. 12	Mar. 11
Student teaching begins	Mar. 16	Mar. 15
Student teaching ends	May 22	May 21

	1981	1982
JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2	1 2 3 4 5
4 5 6 7 8 9 10	3 4 5 6 7 8 9	6 7 8 9 10 11 12
11 12 13 14 15 16 17	10 11 12 13 14 15 16	13 14 15 16 17 18 19
18 19 20 21 22 23 24	17 18 19 20 21 22 23	20 21 22 23 24 25 26
25 26 27 28 29 30 31	24 25 26 27 28 29 30	27 28 29 30
31		31
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4 5 6	1 2 3
8 9 10 11 12 13 14	7 8 9 10 11 12 13	4 5 6 7 8 9 10
15 16 17 18 19 20 21	14 15 16 17 18 19 20	11 12 13 14 15 16 17
22 23 24 25 26 27 28	21 22 23 24 25 26 27	18 19 20 21 22 23 24
28 29 30	28 29 30	25 26 27 28 29 30 31
31		28
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	1 2 3 4	1 2 3 4 5 6 7
8 9 10 11 12 13 14	5 6 7 8 9 10 11	8 9 10 11 12 13 14
15 16 17 18 19 20 21	12 13 14 15 16 17 18	15 16 17 18 19 20 21
22 23 24 25 26 27 28	19 20 21 22 23 24 25	22 23 24 25 26 27 28
29 30 31	26 27 28 29 30 31	29 30
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1	1 2 3 4 5
5 6 7 8 9 10 11	2 3 4 5 6 7 8	6 7 8 9 10 11 12
12 13 14 15 16 17 18	9 10 11 12 13 14 15	13 14 15 16 17 18 19
19 20 21 22 23 24 25	16 17 18 19 20 21 22	20 21 22 23 24 25 26
26 27 28 29 30	23 24 25 26 27 28 29	27 28 29 30 31
30 31		25 26 27 28 29 30
		31
JANUARY	MAY	SEPTEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3	1 2	1 2 3 4 5
4 5 6 7 8 9 10	3 4 5 6 7 8 9	6 7 8 9 10 11 12
11 12 13 14 15 16 17	10 11 12 13 14 15 16	13 14 15 16 17 18 19
18 19 20 21 22 23 24	17 18 19 20 21 22 23	20 21 22 23 24 25 26
25 26 27 28 29 30 31	24 25 26 27 28 29 30	27 28 29 30
31		31
FEBRUARY	JUNE	OCTOBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1 2 3 4	1 2 3
5 6 7 8 9 10 11	5 6 7 8 9 10 11	4 5 6 7 8 9 10
12 13 14 15 16 17	12 13 14 15 16 17	11 12 13 14 15 16 17
18 19 20 21 22 23 24	19 20 21 22 23 24	18 19 20 21 22 23 24
25 26 27 28 29 30	26 27 28 29 30	25 26 27 28 29 30 31
31		28
MARCH	JULY	NOVEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6	1 2 3 4 5 6	1 2 3 4 5 6 7
7 8 9 10 11 12 13	8 9 10 11 12 13 14	12 13 14 15 16 17
14 15 16 17 18 19 20	15 16 17 18 19 20 21	19 20 21 22 23 24 25
21 22 23 24 25 26 27	22 23 24 25 26 27	26 27 28 29 30
28 29 30	29 30	
APRIL	AUGUST	DECEMBER
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4	1 2 3 4	1 2 3 4 5
5 6 7 8 9 10 11	2 3 4 5 6 7 8	6 7 8 9 10 11 12
12 13 14 15 16 17 18	9 10 11 12 13 14 15	13 14 15 16 17 18 19
19 20 21 22 23 24 25	16 17 18 19 20 21 22	20 21 22 23 24 25 26
26 27 28 29 30	23 24 25 26 27 28 29	27 28 29 30
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 Baptist Student Union, Ministerial Association, and other religiously oriented groups. The chapel provides students with an opportunity to set academic pursuits aside and worship with the entire student body, faculty, and administration. Each year two special weeks of religious emphasis are held, at which time outstanding Christian leaders speak daily to the student body and hold conferences and seminars on problems and topics relevant to young Christians.

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

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

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

GOVERNING BODY

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

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

FACULTY

The instructional staff is selected with the objectives of the College in mind, emphasis being placed upon character, academic competence, teaching ability, and personality. Evidences of character include dynamic Christian living, active participation in and financial support of church affairs, maintenance of high standards of accomplishment for themselves and for their students, and punctuality and dependability in meeting their responsibilities. Evidences of academic competence include the acquiring of advanced degrees, contributions in their fields of specialization, and professional habits of study and research. Teaching ability is largely judged by what the teacher's students learn about a subject and by their interest and success in pursuing further study. Evidences of personality include exemplary habits, a sense of humor, self-control, humility, friendliness, sympathetic understanding, fairness, mindedness, and neatness in appearance.

STUDENTS

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

ACCREDITATION

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

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

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

The College is approved for Veterans and dependents.

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the College. (See page 65.)

TEACHER EDUCATION

The College offers training for prospective teachers for elementary school and high school. A student teaching program is made possible by contract agreement with various public and private schools in Arizona. All requirements for an elementary or secondary teaching certificate may be met at Grand Canyon College. The teacher education curriculum is described on pages 107 to 110.

PREPROFESSIONAL TRAINING

Prelaw

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

The minimum requirements for admission to law schools vary from three years of prelegal college work to a college degree. Whenever possible, the prelaw student should select in advance the law school he/she plans to attend and arrange his/her course of study to fit particular suggestions and requirements of that school. In any case, a broad preparation in English, history and government, and economics is recommended. Prelaw students are advised also to complete an elementary course in accounting.

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

Pre-Professional Training in the Health Sciences

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

Successful applicants to professional schools must maintain a superior academic record and should demonstrate an interest in and knowledge of their chosen fields. In addition to courses in science and mathematics, students should select from a broad range of courses in the humanities and social sciences. The pre-medical advisor can be of assistance in planning academic schedules.

Reserve Officers Training Corps

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

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

COMPUTER CENTER

The College provides academic and administrative computing support using a PDP 11/34 computer manufactured by Digital Equipment Corporation. The PDP 11/34 supports both batch and timesharing operation, using a variety of high-level languages including COBOL, BASIC, and FORTRAN. All students have access to the computer through interactive terminals at various locations throughout the campus. The Computer Center also provides periodic tutorials to help students integrate the computer usage into their academic activities.

EVENING CLASSES

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

JANUARY TERM

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

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

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

Three semester hours of credit are given for the January Term. Regular tuition rates are charged plus a \$15.00 special activities fee. For courses which include tours, additional cost is based upon expenses of the tour. Grading is generally on a credit or non-credit basis with the emphasis on active participation and individual accomplishment. Students register for the January Term at the beginning of the Fall Semester. One January Term is required for each 24 hours earned in residence at Grand Canyon College.

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

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 Executive Vice President.

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: all the courses listed for Elementary, Special, or Secondary certificate programs as outlined in the Department of Education, except Student Teaching.

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

Expenses

Tuition for the summer session is \$61.00 per semester hour. Room rent in the dormitory for each five-week period is \$90.00; board is \$100.00 per term for a five-day meal ticket.

HISTORICAL SKETCH

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

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

The following men have served as President of the College:

- Willis J. Ray, 1949-50
- Leroy Smith, 1950-52
- Frank Sutton (acting president), 1952
- B. O. Herring, 1952-54
- Glenn Eason (acting president), 1954-55
- Loyed R. Simmons, 1955-58
- Glenn Eason (acting president), 1958-59
- Eugene N. Patterson, 1959-65
- Charles L. McKay (acting president), 1965-66
- Arthur K. Tyson, 1966-72
- William R. Hintze, 1973-77
- Dillard Whitis (acting president), 1977-78
- Bill R. Williams, 1978-

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 1,463,000 in the metro-

politan area. Phoenix is near many places of interest, such as the Grand Canyon, the Petrified Forest, Montezuma Castle, Oak Creek Canyon, Walnut Canyon, and Superstition Mountain.

Phoenix is one of the notable winter resorts of America. Thousands of people come to Phoenix to spend the winter months in the Valley of the Sun, "Where Summer Spends the Winter."

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

Air West, American, Continental, Delta, Eastern, Frontier, Pan-Am, PSA, Trans-World, Western, and other airlines make it possible for one to arrive in 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 Erthington Memorial Little Theater was completed in 1973. The Tell Energy-Science Building was completed in 1977.

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

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

The Fleming Library

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

the College was still in its infancy, and later provided funds on a challenge basis to build the health center, the first permanent dormitory wing, and the Fleming Classroom Building.

The Fleming Library, a two-story, red brick building, is arranged so as to provide a desirable atmosphere for study and immediate access to all materials. The library collection contains approximately 122,500 books and bound periodicals. Approximately 750 magazines and journals are received currently.

In 1979 the library received a donation of 40,000 volumes from the library of the now defunct Prescott College, Prescott, Arizona. This library was a gift of Dr. Robert I. Schatner, Washington, D.C. The collection is strongest in the areas of the social and behavioral sciences and literature and increased the holdings of Fleming Library by one-half.

Music Library

The Branner 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 Branner, of Mohave County, who collected them over a period of more than 25 years. Soon after the opening of the College, he gave his entire collection so that it might furnish inspiration to the students and bring enrichment and enjoyment to the lives of many people. It is composed of approximately 600 albums containing a total of 6,000 selections. Some of these are collectors' items and include original recordings by great voices of the Golden Age, such as Caruso, Melba, Galli-Curci, and Schumann-Heink. Valued at \$20,000, the collection has representative masterworks of all the traditionally honored composers from Gluck in the eighteenth century to such contemporaries as Villa-Lobos. Other friends of the College have added albums to this collection.

Athletic Facilities

A red brick gymnasium has an especially fine maple playing floor for basketball and is the home court of the 1975 and 1978 NAIA champions. It contains locker and shower facilities and equipment rooms for men and for women, as well as office space and classrooms. Bleachers will seat approximately 1000. Brazell Field for baseball is nearby.

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

Dormitories

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

Kachina Hall houses 28 additional men.

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

Charles M. Cooke Health Center

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

Fleming Classroom Building

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

Ethington Memorial Little Theater

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

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

Tell Energy-Science Building

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

COLLEGE PUBLICATIONS

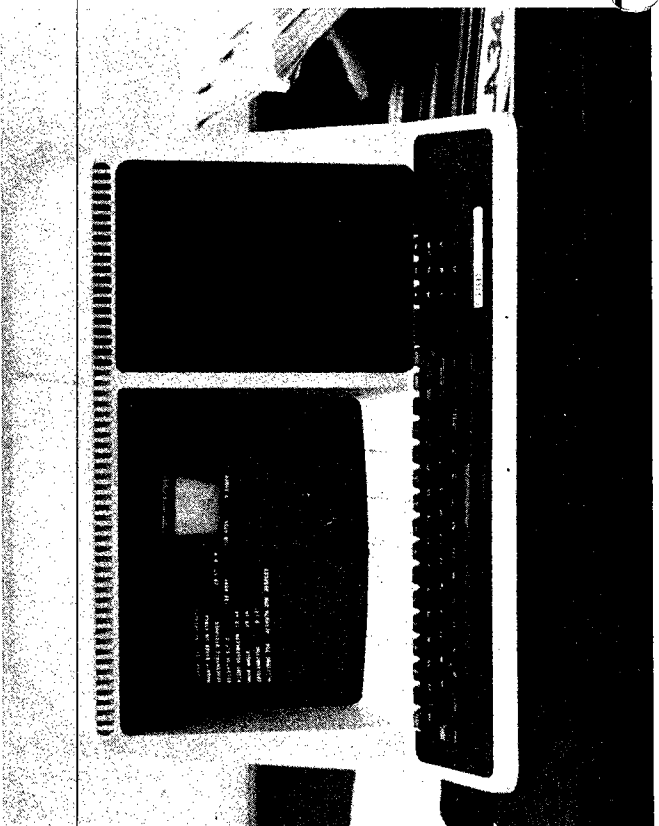
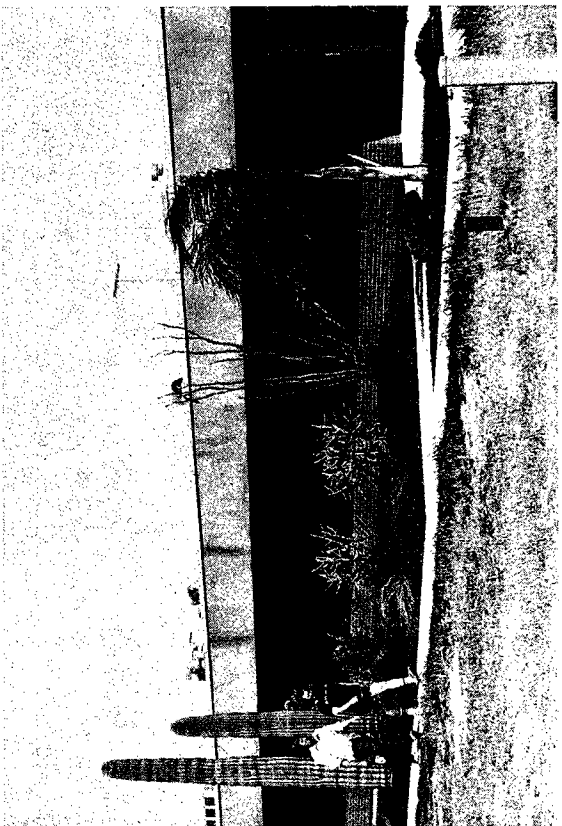
The Grand Canyon College Bulletin is authorized by the board of trustees and approved by the administration and faculty. It is published four times a year, for the purpose of giving information concerning academic affairs of the College. The catalog issue sets forth policies, courses of study, academic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

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

ALUMNI ASSOCIATION

The Alumni Association of Grand Canyon College was organized in the spring of 1953, when the first four-year class graduated. The constitution, adopted in 1955, provides for membership of graduates and those ex-students who have completed a minimum of 12 semester hours in residence. Only graduates may hold elective offices.





II. Financial Information

Student Expenses

Part-Time Employment and
Work-Study

Student Loans

Scholarships and Tuition Grants

Tribute Fund

FINANCIAL INFORMATION

STUDENT EXPENSES

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

The expenses of a student are due and payable at the beginning of each semester or term and must be paid, or satisfactory arrangements concerning them made with the Business Office, before the student's registration is official. It is recommended that application for financial aid be made at least two months in advance of need. The College will honor VISA and Master Charge cards.

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

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

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

Tuition, per semester hour	\$ 61.00
Audit fee, per semester hour (Scholarships do not apply)	61.00
General fee, 9 hours or more, per semester	40.00
General fee (includes parking), less than 9 hours, per semester hour	2.50
Parking fee, 9 hours or more per semester	
September 1 through August 31	15.00
February 1 through August 31	8.00
Room (2 persons to a room)	
Fall semester and January term	360.00
January term only	70.00
Spring semester	290.00
Extra for private room in dorm if available	60.00
For 3 persons to a room a 15% discount is given	
Board	
Fall semester and January term, 5-day meal ticket	430.00
Spring semester, 5-day meal ticket	360.00
Fall semester and January term, 7-day meal ticket	560.00

Spring semester, 7-day meal ticket	470.00
January Term, 5-day meal ticket	70.00
January Term, 7-day meal ticket	90.00

Center For Biblical Studies

Tuition and all fees, per semester hours	\$ 30.00
After 12 semester hours, charge for permanent file	15.00

Center for Business Studies

Tuition and all fees	64.00
After 12 semester hours, charge for permanent file	15.00

Summer School

Tuition, per semester hour (Scholarships do not apply)	61.00
Audit fee, per semester hour (Scholarships do not apply)	61.00
General fee, per 5-week term	5.00
Parking fee, June 1 through August 31	5.00
Room, per term	100.00
Board, 5-day meal ticket, per term (only if food service agrees to regular service)	110.00
Room, per week	22.00
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)	50.00
(See page 28)	
Placement fee (paid during the term of student teaching or upon request for service of the Placement Office; includes 10 brochures)	15.00
Reinstated Placement fee (to update a placement file after 12 months; includes 3 brochures)	10.00
Additional Placement Brochure, each	2.00
Special Class Fees	
Independent Study (Includes Reading & Conference courses, Practicums)	\$ 20.00
January Term	15.00

Education Department

EDU 103. Reading Skills for Success in College I	\$ 15.00
EDU 113. Reading Skills for Success in College	15.00
EED 326. Student Teaching in the Elementary Grades	30.00
EED 328. Student Teaching in the Elementary Grades	40.00
EDU 363. Audiovisual Materials & Methods	20.00
SED 328. Student Teaching in High School	40.00
SED 326. Student Teaching in High School	30.00
SCI 114. Field Trip deposit	25.00
Student Teaching Outside of Maricopa County	100.00

Music Department

MED 211. Brass Instrument Class	5.00
MED 221. String Instrument Class	5.00
MED 231. Woodwind Instrument Class	5.00
MED 241. Percussion Instrument Class	5.00
GTR 111. Class Guitar	25.00
GTR 141, 142, 341, or 342. Classical Guitar	45.00
GTR 151, 152, 351, or 352. Studio Guitar	45.00
INS 131 or 331. Private Orchestral Instrument	45.00
INS 132 or 332. Private Orchestral Instrument	80.00
ORG 111. Class Organ	25.00
ORG 121. Class Organ	25.00
ORG 131 or 331. Private Organ	45.00
ORG 132 or 332. Private Organ	80.00
PNO 101. Preparatory Piano	25.00
PNO 111. Class Piano	25.00
PNO 121. Class Piano	25.00
PNO 131 or 331. Private Piano	45.00
PNO 132 or 332. Private Piano	80.00
VOI 121. Class Voice	25.00
VOI 131 or 331. Private Voice	45.00
VOI 132 or 332. Private Voice	80.00

Recitals:

MUS 300. Junior Recital	20.00
MUS 400 Senior Recital	30.00
MUS 353 Opera Workshop	35.00

Physical Education Department

PE 101. Swimming	\$ 12.00
PE 201. Bowling	15.00
PE 303. Driver Education	20.00

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

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

Individual meals may be purchased for cash at moderate cost at the cafeteria or student center by commuting students, members of the College staff, and guests. Five-dollar meal tickers 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 last verifiable date of attendance upon presentation of a properly signed withdrawal form.

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
No refunds given without proper dorm checkout form.	

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
No refund is given without a proper dorm checkout form.	

Board

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

EMPLOYMENT AND FINANCIAL AID

Making Application for Financial Assistance

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

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

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

Part-Time Employment and Work-Study

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

Numerous jobs are available for both men and women students. Campus jobs include the following: secretaries, switchboard operators, custodians, cafeteria helpers, laboratory assistants, lawn maintenance workers, building maintenance

personnel, library assistants, accompanists for the Music Department, and dormitory assistants. Grand Canyon College is participating in the Work-Study Program. Persons interested in such employment should communicate with the Director of Financial Aid.

Placement Services

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

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

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

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

Student Loans—Long Term

All College loans exceeding \$100 may require a cosigner, regardless of whether the student is 19 years of age. National Direct Student Loans and Federally Insured Loans do not require a cosigner.

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

Federally Insured Loans. The Federally Insured Loan program is a program whereby loans are made by lending agencies in certain states, with the loan guaranteed by the Federal government. Students may apply for this loan if they are making satisfactory progress toward graduation or are admitted to college. The

student may qualify for up to \$2,500 if the financial aid being received by the student does not exceed school expenses. Repayment begins nine months after the student ceases to be at least a half-time student and is made to the lending agency which made the loan. The current interest rate of 7 percent begins at the time the repayment period starts.

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

RULES REGULATING MINISTERIAL GRANTS FOR GRAND CANYON COLLEGE STUDENTS

(Revised December 11, 1979)

I. GRANT PROVISIONS

1. The source of these grants is money given by ASBC churches through the Cooperative Program.
2. The maximum grant per student is \$2,000.
3. The maximum grant per semester per student is \$250.

II. RECIPIENTS

1. Mission Volunteers—Students who are training for work under the direction of the SBC Home Mission Board or Foreign Mission Board.
2. Students training for the preaching ministry.
3. All others shall apply to and be interviewed by the Review Committee of the Denominational cooperation Committee of the Executive Board.

III. THOSE TRAINING FOR THE PREACHING MINISTRY AND AS MISSION VOLUNTEERS MUST MEET THESE QUALIFICATIONS.

1. Student must have made a public announcement of his call to the ministry in his home church in which he holds membership prior to entering GCC.

2. The local home church in business session shall HEAR a public reading of these rules regulating Ministerial Grants and VOTE to endorse the student recipient. The Letter of Endorsement of the church's action shall be mailed to Dr. Jack Johnson, 400 West Camelback Road, Phoenix, Arizona 85013, before the Grant payment will be made.

3. This church action shall be taken annually.

IV. QUALIFICATIONS (Church Membership Status while attending GCC)

1. Arizona students must be affiliated with and be active in a local Southern Baptist church while attending Grand Canyon College, and be willing to submit a quarterly report signed by his local pastor.

2. Out-of-state students are eligible for the Grant under the same provisions described above.

V. REQUIREMENTS

1. Student agrees to sign promissory note stating he will repay the Grant which becomes a loan if he does not continue in the preaching ministry or missions (home or foreign) at least five years following departure from college and/or seminary.
2. Student must complete a questionnaire every time he applies for a Grant.
3. Student Grants must be applied toward tuition only at Grand Canyon College.
4. A student must carry a minimum of twelve semester hours to receive full grant, otherwise the Grant will be prorated.
5. If student shows loss of interest in his chosen vocation (preaching or missions), he may be called upon by the Review Committee to give a report of his activities and intentions.
6. Students receiving Grants must complete Religion 113 early in their academic career at GCC.
7. Students receiving Grants must hold membership in the GCC Ministerial Association.
 - (1) Responsibility for enforcement of these regulations will be carried by the Association officers.
 - (2) They shall report non-compliance to the Executive offices of ASBC.
 - (3) Failure to comply with this requirement may result in termination of grant the following semester.
 - (4) Exemptions for attendance requirement will be on the same basis as established guidelines for exemption from chapel.

VI. RESPONSIBILITIES OF THE ASBC

1. The teacher of REL 113 shall give continuous guidance to all Grant recipients.
2. The Denominational Cooperation Committee of the Executive Board of the ASBC shall have the responsibility of establishing procedures for the Ministerial Grant.
 - (1) A Review Committee shall work with the teacher in screening and supervising Grant recipients.

- (2) The Review Committee will be appointed by the Denominational Cooperation Committee.

(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 Business Office are available. A student may be permitted to make a note payable to the College. All College loans exceeding \$100.00 may require a cosigner, regardless of whether the student has reached the age of 19.

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 Brice 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 stu-

dent at Grand Canyon College. At this same time interest at 6% per annum begins. After payments begin, the borrower has 36 months to pay off the loan.

The Katherine Brooks Loan Fund. This fund was established by Mr. and Mrs. Troy E. Brooks. Its purpose is to assist worthy young *ladies* in the *junior* and *senior* classes who need help financially to enable them to complete their college work. Interest is 6% per annum from the date of the loan.

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

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

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

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

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

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

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

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

L. B. and Mabel Vaughn Student Loan Fund. This fund was established by Mr. and Mrs. L. B. Vaughn to make funds available for worthy students or for prospective students of Grand Canyon College. Interest is 3% per annum from the date of the loan.

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

Scholarships, Grants, and Grants-in-Aid

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

SCHOLARSHIPS—ACADEMIC

Academic scholarships for \$900.00 per year are available in limited number to freshmen during the year following high school graduation, provided they ranked in the upper 10 per cent of their classes in high school. 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, renewal application is filed, and provided the student's record in other respects is acceptable.

Student Honor Scholarships in the amount of \$600.00 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 may be renewed with a proper application and they apply to transfer students as well as to continuing Grand Canyon College students.

DEPARTMENT FELLOWS

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

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

This stipend is \$50.00 per semester.

SPECIAL ABILITIES SCHOLARSHIPS

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

Art, Drama, Speech. Special talent scholarships in amounts up to \$450.00 per year are offered to qualified students. Recipients are expected to use their abilities in projects sponsored by the College.

Music. Music scholarships, ranging up to \$900.00, may be awarded each school year. Recipients of such scholarships are expected to participate in musical performances at the direction of the College.

GRANTS-IN-AID

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

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

ROTC SCHOLARSHIPS

Four-, three-, and two-year Air Force and Army ROTC scholarships are available to Grand Canyon College students. Each scholarship provides full tuition, laboratory and incidental fees, and full reimbursement for curriculum-required textbooks. In addition students receive a nontaxable \$100 allowance each month during the school year while on scholarship status. All students not on ROTC scholarship but enrolled in the last two years of ROTC also receive the \$100 allowance. For information contact the Air Force or Army ROTC detachments at Arizona State University.

ENDOWED SCHOLARSHIPS

Unless otherwise stipulated, the basic academic requirement for any of these scholarships is a C average.

The Arizona-Portland Cement Company has made available an annual grant for a business major who is a continuing student. The grant is awarded by the Financial Aid Committee in compliance with existing college policy for academic scholarships.

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

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

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

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

The G.D. Crow Memorial Scholarship was established by Mrs. Hilton Jones Crow, family and friends in memory of this faithful Christian layman of Tucson. This endowed fund provides an annual award to a qualified speech major, upon recommendation of the Financial Aid Committee.

The Keith and Mary Sue Davis Scholarship is available to qualified students who are emphasizing in their academic program some area of business or business administration.

The Ernest E. and Linnie Ann Hatcher Memorial Scholarship is an endowed fund provided by Woodrow and Letress Berryhill, son-in-law and daughter of the Hatchers. The scholarship is not restricted by department, and is administered by the Financial Aid Committee according to need and academic standing.

The Hine Memorial Scholarship is an endowed fund established in memory of George H., Frank B., and O. Hugh Hine by their mother, family and friends. The scholarship is not restricted to any department, and is awarded annually according to academic standing and financial need, upon recommendation of the Financial Aid Committee.

The William R. Hintzel Alumni Scholarship Endowment. This endowed scholarship fund was established by the Alumni Association of Grand Canyon College in memory of the late Dr. William R. Hintze, president of Grand Canyon College from April 1973 to November, 1977. The Alumni Association adds to the principal annually and the earnings are used by the College to help support its scholarship program. All awards are made through the college financial aid committee.

The William R. Hintze Memorial Presidential Grant. This memorial fund was established by Mrs. Barbara L. Hintze and others in loving memory of Dr. William R. Hintze, president of Grand Canyon College from April, 1973 to November 1977. The earnings from this endowment are to be used annually by the president of the college to help a needy student, without restriction as to GPA or major field. At the president's discretion, the fund may be used either for scholarship or for grant-in-aid.

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

The McFarland Scholarship has been established by Mr. and Mrs. Ernest W. McFarland. The earnings will be used to benefit needy students, at the discretion of the Financial Aid 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 Ministerial Scholarship Fund. This scholarship fund was initiated by Dr. Joyce Parker, honoring her husband on their 25th wedding anniversary in 1971. The fund is a permanent endowment scholarship for the ben-

Of ministerial students with financial need. Earnings from the endowment are divided equally between two students and are administered by the Financial Aid Committee.

The Carl Paetz Memorial Scholarship is an endowed scholarship provided by the wife and sons of the late Carl Paetz of Muscatine, Iowa, and Scottsdale, Arizona. The award is available to a qualified business major or minor of at least Sophomore status who maintains a 3.0 (B) average, who is financially needy, who gives evidence of potential for future success, and who gives evidence of commitment to Jesus Christ as personal Savior and Lord. The award is administered by the Financial Aid Committee.

The Joyce Daily Parker ASTD Award. The Joyce Daily Parker ASTD Award was established by Valley of the Sun Chapter, Inc., of the American Society for Training and Development in honor of Dr. Parker's having been the 1972 recipient of the Gordon M. Bliss Award. She was also the first woman to receive this prestigious award. This cash award is given annually to the outstanding Training and Development woman graduate. Selection is made by the College Training and Development Program Director and the Valley of the Sun/ASTD Scholarship Committee.

The Pickering Scholarship in Psychology is an endowed fund provided by Dr. and Mrs. Robert Pickering of Phoenix. The annual award to an upperclassman is based on Christian commitment, academic progress in psychology or the social sciences, and personal characteristics, upon recommendation of the Financial Aid Committee.

The Mack D. and Bonnie Jean Reagan Business Scholarship. This permanently endowed scholarship fund has been established by Mrs. Bonnie Jean Reagan and friends in memory of the late Mack D. Reagan, an outstanding entrepreneur from Carthage, Mississippi. The earnings from this trust will provide scholarships for business majors in need of financial assistance who show promise of future success in business. The Scholarships are awarded by the Financial Aid Committee.

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.

The Jerry D. Smithey Business Scholarship. This permanently endowed scholarship fund was established in 1979 by Mrs. Sarah Elizabeth Smithey and friends to honor Jerry D. Smithey, a Christian businessman in Tulsa, Oklahoma, for his enterprising business achievements and for his support of Christian work in Arizona. Income

from this permanently endowed trust is to provide scholarships for innovative and enterprising students majoring in business who have demonstrated good citizenship and are in need of financial assistance. The Scholarships are awarded by the Financial Aid Committee.

The Roy F. and Helena H. Sutton Scholarship Fund was made available by Roy F. and Helena H. Sutton. The fund is a permanent endowment scholarship for the benefit of ministerial students. Earnings from the fund are awarded each semester to deserving ministerial students as recommended by the Financial Aid Committee.

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 Financial Aid 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 college Office of Financial Aid. The completed form should be mailed to the address indicated thereon.

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

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

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

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

WORK GRANTS

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

Canyon Trails (yearbook)

Editor	\$884
Assistant Editor	422
Photographer	586

Canyon Echoes (student newspaper)

Editor	884
Assistant Editor	422
Photographer	691

Intramurals

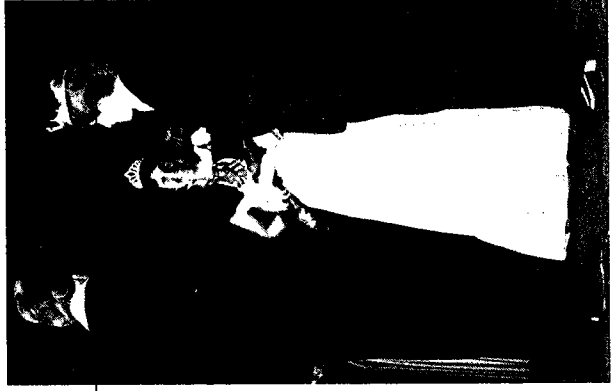
Director	698
Assistant Director	347

Dormitory Assistants

5 for women's dormitories	629
4 for men's dormitories	629

THE TRIBUTE FUND

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



III. Student Life

Statement of Principles

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Student Dress

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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 to gether they seek to discover and confront truth and as they search for solutions to problems involved in the human predicament. The words of the Alma Mater summarize the attitude and spirit of Grand Canyon College:

Hail to thee, Grand Canyon College,
Alma Mater true.

Set amidst the desert's glory.
Highest praise to you.

So to God our hopes aspiring,

This our pledge divine:

Striving, seeking; finding, serving
God and all mankind.

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

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

CONDUCT

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

Any meeting or other activity provided by students in the name of the College or any department or student organization of the College must have the approval of the Dean of Students.

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 Executive Vice President.

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

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

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

The use of tobacco is not permitted on the campus except in one's own living quarters in the dormitory.

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

The use of profanity or vulgarity is forbidden.

When a student does not meet the College's general standards of behavior or comply with its regulations, the College may take disciplinary action. Such action may take the form of a reprimand, restriction of certain privileges, suspension, or final dismissal.

STUDENT DRESS

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

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

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

MARRIAGES

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

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

RELIGIOUS LIFE

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

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

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

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

CHAPEL ATTENDANCE

Chapel provides an opportunity for the college community to share together in meaningful spiritual, cultural, and intellectual programs. Chapel meets on Monday and Wednesday at 10:40 a.m. All students taking nine or more hours are required to attend a minimum of twenty chapel programs per semester. When a student becomes deficient, that is, has not attended enough times to reach the minimum of twenty chapels, (s)he must make up the deficiency by arrangement with the Dean of Students.

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

ELIGIBILITY FOR ACTIVITIES

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

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

ORGANIZATIONS

Custody of Organization Funds

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

Student Government

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

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

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

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

Student Clubs

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

Departmental and Professional Clubs

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

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

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

International Students Organization provides international students an opportunity to become friends with others who are making cultural, social, and academic adjustments necessary to successful completion of their studies in the United States.

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

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

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

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

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

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

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

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

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

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

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

Service and Honor Organizations

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

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

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

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

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

Religious Organizations

Baptist Student Union provides for edifying Christian fellowship, growth, and service for all students of Grand Canyon College. BSU plans, coordinates, and conducts spiritual activities and service projects on campus and in the community.

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.

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

HONORS AND SPECIAL RECOGNITION

Honors Day

Each year a day is designated for a special assembly and other appropriate activities to recognize the achievements of students who have won distinction in academic pursuits or in student leadership. Ordinarily included in the recognitions are students in one or more of the following categories: Ray-Maben Scholars, stu-

ients 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. To be eligible, a student must have graduated or must be in the last semester or summer session of the senior year; must have completed at least 60 hours of work at Grand Canyon College and carried 12 hours or more in a minimum of two semesters; must have a grade point average of 3.80 or higher, and at least a 3.80 grade point average on all work completed in other colleges.

Junior Marshals

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

Graduation with Honors

The requirements for graduation with honors are stated on page 70.

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 77.

Who's Who Among Students in American Universities and Colleges

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

The Pierian Award

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

Wall Street Journal Award

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

STUDENT PUBLICATIONS

The Antelope, the student handbook published by the Student Council and the College, 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 to the northern part of Arizona. The tour includes such points of interest as the ghost city of Jerome, Oak Creek Canyon, Walnut Canyon Cliff Dwellings, Montezuma Castle, Sunset Crater, Wupatki National Monument, and the Grand Canyon.

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, and ping pong.

Drama, Radio, and Speech Activities

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

Musical Programs

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

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

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

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

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 49 for eligibility rule.)
2. A member of the faculty shall accompany all teams when they are away from the College.

3. All funds shall be deposited in the College Business Office and all checks shall be issued by the Business Office. The President shall approve all contracts or orders involving money.

STUDENT SERVICES

Housing

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

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

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

The dormitories are closed during the Christmas holidays and spring recess. Any use of the dormitories during these periods must be approved by and is subject to the review of the Office of Student Affairs.

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

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

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

The minimum course load for a dormitory resident is stated on page 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 must be provided at the student's expense.

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

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

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

Medical and hospitalization insurance is available at a cost of approximately \$30.00 per semester. All students living in the dormitories must have hospitalization insurance, and commuting students are encouraged to have it. (See page 28.) All international students are required to carry medical and hospitalization insurance.

COUNSELING SERVICE

The College seeks to provide a counseling and advisement service to the student. In addition, students who need counseling beyond the capacity of the College staff may be referred to a certified counseling service in the community. The Office of Student Affairs arranges counseling and referrals.

PLACEMENT SERVICE

The College maintains a placement office which assists students in securing off-campus employment while in school and positions in the business and professional community after graduation. See p. 32 for further information about the service and fees.

TRADITIONAL EVENTS

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

IV. Admission Policies and Procedures

General Requirements for Admission

Academic Eligibility for Admission

High School Units Required

Early Admission to College

Advanced Placement

Admission of Freshmen

Admission of Transfer Students

Direct Transfer Plan

Readmission

International Students

Entrance Examinations

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 request an official transcript from each institution previously attended. Applicants may not disregard their records of 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.

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

Some 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 by completing 12 hours with grades of C or better, they will be reclassified as regular students and may count credit already earned toward meeting graduation requirements.

Applicants who are 19 years of age and not high school graduates who give evidence of maturity and ability to do college work, may be accepted as special students on the basis of the G.E.D.

Any student admitted under special conditions may be required to modify his program of studies to include special courses. (See Provisional Status, p. 74.)

HIGH SCHOOL UNITS NEEDED

For regular admission to the freshman class a student should present the following minimal 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 the senior year, upon recommendation of the high school principal or 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

Advanced Placement Examinations. Recent high school graduates who scored 5 or 4 on the Advanced Placement Examinations of the College Entrance Examination Board are given credit for appropriate college courses. Students who scored 3 may be given advanced placement or credit, subject to the approval of the department and of the Executive Vice President. Students who score 1 or 2 on the advanced placement tests are considered individually by the departments concerned and the Executive Vice President.

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. CLEP credit will be given only when it does not duplicate credit previously earned, or is for a course more elementary than one for which the student has earned college credit. Credit will be given only for those examinations completed after July 1965. Credit will not be given to students who have previously earned 64 hours of college credit.

General Examination scores will entitle the student, upon registration at the College, to six hours of credit in each of the five General Examinations: (1) English Composition (560), (2) Humanities (500), (3) Mathematics (500), (4) Natural Sciences (500), (5) Social Sciences-History (500).

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

Those interested should secure further information from the Executive Vice President.

ADMISSION OF FRESHMEN

Applications for admission for the fall semester should be on file in the Registrar's office prior to August 1. For the spring semester, the application should be on file prior to January 1, and for the summer, prior to May 1.

Applicants may secure sets of admission application forms, including detailed instructions, from the office of the Registrar and follow the procedure indicated. Early notice of acceptance may be given upon the receipt either of ACT scores or a seven-semester transcript. Before final notice regarding acceptance can be issued, the applicant must do the following:

1. Submit to the Registrar an application form together with a non-refundable application fee of \$15.
2. Arizona residents should take the American College Test and have scores reported to Grand Canyon College. (The Grand Canyon College ACT code number is 0092.) The tests are given each year, in February, April, July, October, and December. Applicants should take the examination at the close of their junior year in high school or at an early test date after completion of the junior year.

Detailed information regarding the ACT program may be secured from the applicant's high school principal or counselor or from the Registrar's office at Grand Canyon College. Residents of states other than Arizona may submit college admission test scores which are approved for college admission in their home states. (The SAT code number for Grand Canyon College is 4331.)
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 admission. If approved for admission, the applicant should submit a dormitory room reservation fee of \$40 if (s)he is to live in a dormitory. (See statement on page 56.) If the applicant withdraws his application by August 1, the dormitory reservation fee may be refunded, upon receipt of written request.

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 chest X-ray data or skin test, must be submitted. These must be dated less than six months previous to the date of first enrollment.
7. Final dormitory room assignments will be made when all credentials, including health record, chest X-ray or skin test, personal recommendations, and photographs, are received.

ADMISSION OF TRANSFER STUDENTS

A student transferring from another college must file all forms required under Admission of Freshman (above). One who has satisfactorily completed 12 hours in college he need not file ACT scores or high school transcript.

Before enrolling, transfer students must have on file in the Registrar's office transcripts of all work attempted at each institution previously attended. Applicants are never permitted to disregard their record of any previous enrollment in another institution of higher education. Transcripts received through the hands of students are not acceptable as a basis for admission. It is the responsibility of students to request that their transcripts be mailed to the Registrar.

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

Grand Canyon College accepts credits from other regionally accredited colleges and from universities if the work to be transferred is not of a highly specialized nature. A maximum of 16 semester hours of elective credit in technical courses may be accepted toward a degree.

A maximum of 30 semester hours (15 in Bible or Religion, 15 hours in liberal arts) may be accepted from some Bible colleges which are not regionally accredited. All work will be considered as lower division credit. Credit will be validated only after the student has earned 12 semester hours at Grand Canyon College with a grade of C or above in all courses attempted.

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 a total of 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 Direct 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 page 63.)

Students who have been asked to withdraw from another college because of poor scholarship or for any other reason are considered for acceptance only if the period of suspension set by the former institution has elapsed or the college from which students were asked to withdraw reinstates them. During their first semester they may, upon recommendation of the Executive Vice President or the Academic Affairs Committee, be required to withdraw if this appears to be in the best interest of the students and/or the College. Credit is not accepted if earned while a student is under suspension from another institution.

DIRECT TRANSFER PLAN

Grand Canyon College accepts the completion of the Associate in Arts Degree under the transfer program from accredited community colleges as fulfillment of the general studies requirement with the exception of six hours in Bible (except students in teacher certification programs, who are referred to page 107.)

The work of students who have completed less than an Associate in Arts Degree will be evaluated on the usual course by course basis.

Most students can transfer to Grand Canyon College without losing any earned credits. For further information they may contact the Executive Vice-President, or the Registrar of Grand Canyon College, or the Counselor in their community college.

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 80 for statement pertaining to choice of catalog.)

A student who has been out of Grand Canyon College for any reason 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 who withdraws for medical reasons must obtain a medical clearance report before re-entering. 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.

ADMISSION OF 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 should communicate with the Foreign Student Adviser, Grand Canyon College, 3300 W. Camelback Rd., P.O. Box 11097, Phoenix, Arizona 85061.

Before the application of an international student whose family language is other than English, can be considered, he must submit scores of at least 500 on the Test of English as a Foreign Language (TOEFL). One may write to TOEFL, Box 899, Princeton, New Jersey 08540, USA, for test application.

Prospective students must also furnish evidence of full financial support while in college. A minimum of \$6,000.00 for each year of study, exclusive of travel and vacation expense must be certified. A minimum deposit of \$1,500.00 must be made before the I-20 needed for a student visa can be issued. This deposit, less application fee of \$15.00, will be refunded upon written request if the student is unable to enter.

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

International students must file official transcripts and examination scores which would qualify them for college admission in their own country.

International students (F-1 visa) must carry a minimum of 12 semester hours each semester to maintain student status.

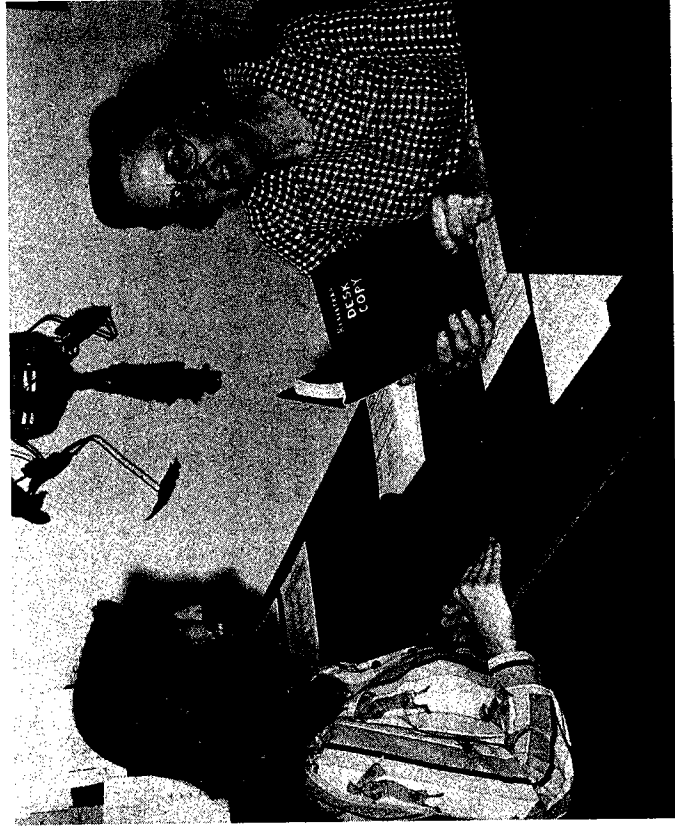
International students who apply for admission as transfer students must be in good standing academically, demonstrate required English proficiency, and be in current status on their student visas. Full financial support must be certified.

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 above, paragraph 2, Admission of Freshmen.

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 above section, Admission of International Students.



V. General Academic Regulations

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

CLASSIFICATION OF STUDENTS

Students are classified as *freshmen* until they have completed 30 semester hours.

Students are classified as *sophomores* when they have completed 30 to 59 semester hours.

Students are classified as *juniors* when they have earned from 60 to 89 semester hours.

Students are classified as *seniors* when they have earned a minimum of 90 semester hours of credit, have earned a grade index of 2.00 or above, have passed the English Usage Examination, and have filed an approved plan and application for graduation.

Students are not permitted to graduate at the end of a semester or term which they began with a grade index of less than 2.00. They must be officially classified as seniors when they register for the final semester or term before graduation. (See page 81 for General Graduation Requirements.)

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.

Fifth Year Students—those students who have completed a bachelor's degree from a regionally accredited institution and are accepted for a program of 30 hours of specified upper division courses to secure standard teacher certification.

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 faculty advisor and the Executive Vice President.

GRADING SYSTEM AND QUALITY POINTS

The grading system used at Grand Canyon College is as follows:

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

Incomplete Grade. An incomplete grade will be given at the end of a term or semester only when seriously extenuating circumstances prevent a student from completing course requirements before the close of the grading period. When a grade of I is given, the student must complete all necessary work before the end of the next regular semester; otherwise the grade becomes an F.

Averaging of Grades. For the purpose of computing grade point averages, grade points are assigned as follows: A, 4 points for each semester hour; B, 3 points; C, 2 points; D, 1 point; F, 0 points. Other grades are not included in grade point average (GPA) computations. To calculate the GPA, semester hours for each course

are multiplied by the grade points for that grade. The sum of these products is divided by the number of hours which carry A, B, C, D, and F grades. The GPA is based only upon work taken in residence at Grand Canyon College.

~~Withdrawal Grade.~~ ~~The grade of W will be given only when a student has officially withdrawn from the course prior to the penalty date as stated in the current semester bulletin.~~ To withdraw officially from a course, a student must obtain necessary forms from the Registrar's office, secure all required signatures, and pay any withdrawal (drop) fees in the business office. Failure to follow these procedures will result in a grade of F.

Audit Grades. Courses taken for no-credit (audit) earn a grade of S or U. Audit courses do not earn credit toward graduation, nor do they fulfill requirements for course prerequisites.

Credit Grade. Certain courses earn credit toward graduation and fulfill requirements, but do not count in GPA computation. These courses are given a grade of CR (credit). This grade is not offered as an option to students; rather, the courses earn only grades of CR or U. A grade of U earns no credit.

ACADEMIC HONORS

Graduation with Honors

Students who have attended Grand Canyon College for at least two semesters in each of which they carried 12 hours or more and who have earned at least 66 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 specific honor, transfer students must meet or exceed the grade index requirement for that honor both on work done at Grand Canyon College and on all work attempted elsewhere. Transfer students may not graduate with an honor higher than that to which their GPA in Grand Canyon College would qualify them.

Other Honors

Other honors related to academic achievement are described on pages 52 and 53.

COURSE LOAD

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

International students must carry a minimum of 12 semester hours each semester in order to maintain student status required for the F-1 visa.

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

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

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

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

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

MAXIMUM NUMBER OF HOURS IN A SUBJECT

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

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 a student has completed registration, (s)he is not permitted to make a change in course schedule without the signatures of the professor or professors concerned ~~and the Registrar or Executive Vice President, and the Business Office.~~ Tuition may be refunded when changes in class schedule are made upon the recommendation of the Executive Vice President. (See the schedule of refunds beginning on page 29.)

A student is not permitted to enroll for a credit in a 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 Executive Vice President.

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 all courses 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 a grade of S or U.

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

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

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

GRADE REQUIREMENTS

For graduation students must present a minimum of 128 semester hours of credit and at least two quality points for each hour attempted at Grand Canyon College (a grade point 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 (which carry grade points) 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 63.

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

Candidates for a secondary teaching certificate must have a minimum average of 2.50 in their teaching majors.

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

REPEATING OF COURSES

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

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

ACADEMIC SUSPENSION

A student who has attempted 24 hours in residence at the College will normally be suspended at the end of a semester in which their cumulative index falls below the following minimums:

- 1.50 for Freshmen and Sophomores
- 1.75 for Juniors
- 2.00 for Seniors

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

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

ACADEMIC PROBATION

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

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

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

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

A student on probation is not classified as a senior scheduled for graduation. (See page 81.)

PROVISIONAL STATUS

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

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

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

ELIGIBILITY FOR ACTIVITIES

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

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

CLASS ATTENDANCE

1. Students are expected to be regular and punctual in class attendance. The instructor announces at the first session of each course and also states in the course syllabus what the attendance requirements are and is the judge of whether the student has met the stated attendance requirements at the end of the course.
2. The student alone assumes responsibility for all absences. Instructors will permit students to make up tests and other work when the absence was entirely unavoidable or authorized by the Executive Vice President (See below, Permission to take examinations late.)
3. To secure permission to make up work missed by absence, students must account to their instructors immediately after their return to class in the manner prescribed by their instructor.
4. Regular and punctual attendance may be considered in assigning grades.
5. Class attendance records are effective as of the first day of class meetings in each semester. Students who register late are counted absent for each class meeting already missed.

PERMISSION TO TAKE EXAMINATIONS LATE

Under certain conditions students may be permitted to take a major examination which they missed. In all such cases students must account to the instructor for their absences and must present a receipt from the Business Office showing payment of the necessary fee. (See page 26.)

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 college level seminary extension courses may be transferred to Grand Canyon College under certain conditions. Students planning eventual transfer of these courses should secure approval from the Chairman of the Department of Religion before they enroll in seminary extension courses.

Credit for any correspondence work and for any extension work transferred from another institution must be recorded with the Registrar prior to enrollment in the final semester before graduation. Such work done at any time by a student while enrolled in Grand Canyon College must meet all of the following criteria for concurrent enrollment.

CONCURRENT ENROLLMENT

A full-time student who is matriculated at Grand Canyon College may be concurrently enrolled at another college or university under the following conditions:

1. Enrollment at another institution is limited to one course, not to exceed 4 semester hours.
2. The course must contribute to the student's major, minor, or professional goal.
3. A formal request for permission to enroll in another institution must be approved by the Academic Affairs Committee before the student registers for the off-campus course.
4. The request to the Academic Affairs Committee must have the endorsement of the student's major professor.

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 number 499. Research, seminar, or readings and conference on a special topic to be selected by the student and faculty advisor. 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 the Executive Vice President.
2. **Practicum.** Numbered 399 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. A minimum of 45 hours (maximum 60) of practical experience will be scheduled for each semester hour of credit. The experience must be arranged with an agency, organization, or individual which must agree to provide an advisor to work with the faculty advisor 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 advisor, department chairman, and Executive Vice President. The student must obtain course approval forms from the Registrar's office, complete them in conference with the instructor, and secure required signatures before enrollment can be completed.

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 Executive Vice President. The student must have a legitimate reason for seeking course credit through reading and conference. Normally students will not be permitted to receive credit for more than two courses by this method.

AUDIT PRIVILEGES FOR HONOR STUDENTS

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

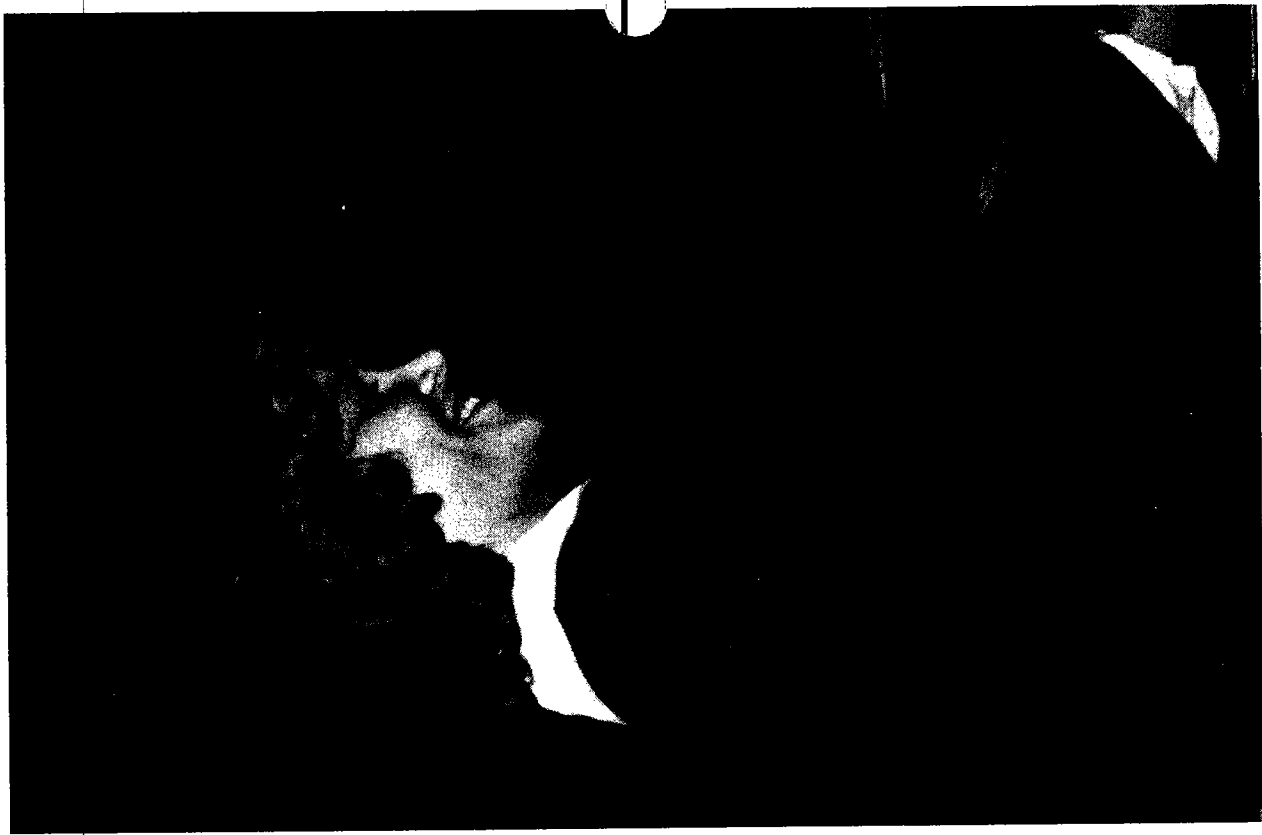
HONORS STUDY PROGRAM

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

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

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





VI. Graduation Requirements

Degrees Offered

Choice of Catalog

General Requirements for Graduation

Curricular Requirements for Graduation

Specific Academic Programs in Relation
to Degrees

GRADUATION REQUIREMENTS

DEGREES OFFERED

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

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

The Bachelor of Science degree is awarded to majors in Behavioral Science, Biology, Business, Chemistry, Elementary Education, Special 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 Executive Vice President.

SECOND DEGREE

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

1. General education requirements for the degree sought
2. A major in a field not used as a major for the earlier degree;
(See specific major for number of hours required)
3. A minimum of 30 hours in residence (36 for those who have not met the 6-hour requirement in Bible).

CHOICE OF CATALOG

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

GENERAL REQUIREMENTS FOR GRADUATION

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

Students are not permitted to graduate at the end of a semester or term which they began with a grade index of less than 2.00. (See p. 68, Classification of Students.)

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

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

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

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

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

Minimum Residence. Normally eight semesters of residence or the equivalent in an approved college are required for graduation. Of this, at least 24 semester hours, including the 12 semester hours immediately preceding graduation, must be taken at Grand Canyon College.

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

Graduation with Honors. The requirements for graduation with honors are stated on page 70.

Correspondence and Extension Credit. Record of all correspondence and extension work transferred from another institution must be filed with the Executive Vice President and Registrar prior to enrollment in the final semester before graduation. (See page 75 for additional information concerning correspondence and extension credit.)

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

Application for Graduation. At the beginning of their junior year candidates for graduation must file an application for candidacy for a degree. Students are not permitted to register as seniors until they have filed this application. A transfer student who enters as a senior must file the application before completing enrollment. Application forms may be obtained at the office of the Registrar, and completed applications must be returned to the Registrar.

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

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

Eligibility to Participate in Commencement. The policy adopted by the Faculty concerning eligibility of seniors to participate in commencement is outlined below:

Procedures:

1. Seniors who have completed all requirements for graduation or will do so in May or August participate in the annual commencement in May. They march in alphabetical order by degrees and are handed diploma covers. Those who have completed all requirements by May will receive their diplomas at that time; diplomas will be mailed to August graduates at the end of the summer session.
2. Names of August graduates appear in the printed program along with those of January and May graduates, with an asterisk to indicate that they expect to complete requirements by August.

Requirements:

1. C average at beginning of the spring semester. A student who does not have a C average at the beginning of the spring semester may not graduate before May of the following year.

2. Degree plan filed with the Registrar which indicates that requirements will be met before end of the summer session.

3. Statement of intent to complete work for degree during summer session, filed with Registrar by May 1.

This means that a student who suddenly decides to come back for a summer term or one who finds (s)he could complete requirements by August but had not filed intent to graduate during the current year would not be eligible to participate in graduation exercises or receive the diploma until the following May. (This would not hinder one's applying for a job or going on to graduate studies.)

CURRICULAR REQUIREMENTS FOR GRADUATION

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

General Studies

The General Studies portion of the curriculum at Grand Canyon College is designed to unify the student's early college experience by forming a comprehensive and correlated foundation for a more meaningful life and for future academic pursuits. It seeks to help students to develop an understanding and appreciation of the various areas of knowledge and creative endeavor which have contributed to the development of contemporary society and thus to enable them to achieve greater social stability and a more secure personal life.

General Studies seek to provide, during the first college years, the kinds of learning experiences which will enable all students to choose wisely and build carefully the specialized program of studies most appropriate for them. General Studies are primarily concerned with developing an awareness of the significance of various areas of knowledge to the student, their relationship to other areas of human endeavor and achievement, and their influence and potential in today's world.

General Studies at Grand Canyon College seek to help the individual student to apprehend the Christian way of life and to begin to acquire the knowledge, skills, and attitudes essential to a citizen who assumes moral and social responsibilities.

Students in teacher education programs will follow the list appearing on page 107 under Department of Education and Psychology.

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

- I. Spiritual Foundations of Life (6 hours)
 - BIB 113, BIB 123 6 hours
- II. Social Foundations of Life (6 hours)
 - History (HIS 113, 123; or HIS 123, 233; or
HIS 213, 223) 6 hours
- III. Scientific Foundations of Life (6-8 hours)
 - Mathematics 3 hours
 - Laboratory Science (SCI 114) 4 hours
- IV. Communicative Arts (6 hours)
 - EEW 113 and EEW 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. General Studies options
 - Twelve hours chosen from courses outside the student's major or minor area, with no more than one course from an academic area 12 hours
- VIII. Involvement in contemporary affairs. An interdisciplinary approach with emphasis on active participation and individual research in both on and off campus experiences. One January interterm must be successfully completed for each 24 hours completed in residence.

IX. Foreign Language – Recommended for B.A. degree. One language only; should be taken consecutively (see page 82).

Major and Minor Subjects

By the beginning of the junior year each student is required to select one subject area to be known as his major, in which he must present at least 30 semester hours of acceptable credit. In certain areas of study the number of hours required for a major exceeds 30. In any case, at least 12 hours must be of junior-senior rank. A student must also have a C average in his major and, except for courses in General Studies (page 84), is not permitted to count in the major any course with a grade below C. A candidate for a secondary teaching certificate must have a C+ (2.50) average, or above, in the teaching major. To change major once it has been declared as a junior, the student must secure approval of both departments in writing.

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

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

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

There are three majors for which minors are not required, due to the extensive breadth of requirements for the total program entailed. These majors are Special Education, Music Education, and Training and Development.

Transfer students should consult the paragraph concerning minimum residence (page 81).

Elective Courses

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

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

SPECIFIC ACADEMIC PROGRAMS IN RELATION TO DEGREES

It is assumed that in many instances students will not decide until the beginning of their junior year what their majors and minors will be. The suggestion that the first and second years be devoted almost exclusively to general requirements is intended to encourage students to study in the widest possible variety of fields, in order that they may determine wherein their greatest interests lie. Attention should be given to lower division courses which are required in majors, or as prerequisites to upper division courses, that may be selected. Each of the following programs is a guide or check sheet for the student. Every specific course listed is a required course, except as noted.

Suggested Program for Bachelor of Arts Degree Candidates

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

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

Junior Year

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

Senior Year

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

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

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

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

Requirements for the Bachelor of General Studies Degree

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

General Studies

Courses listed on page 84	43 hours
Electives	<u>85</u> hours
	<u>128</u> hours

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

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

Course prerequisites as stated in the catalog will be observed.

Other graduation requirements

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

An overall grade average of C must be maintained.

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

The student must satisfy the minimum residence requirement.

Special Conditions

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

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



VII. Departments of Instruction

and Descriptions of Courses

Department of Business and Economics

Department of Education and Psychology

Department of Health and Physical Education

Department of History and Social Sciences

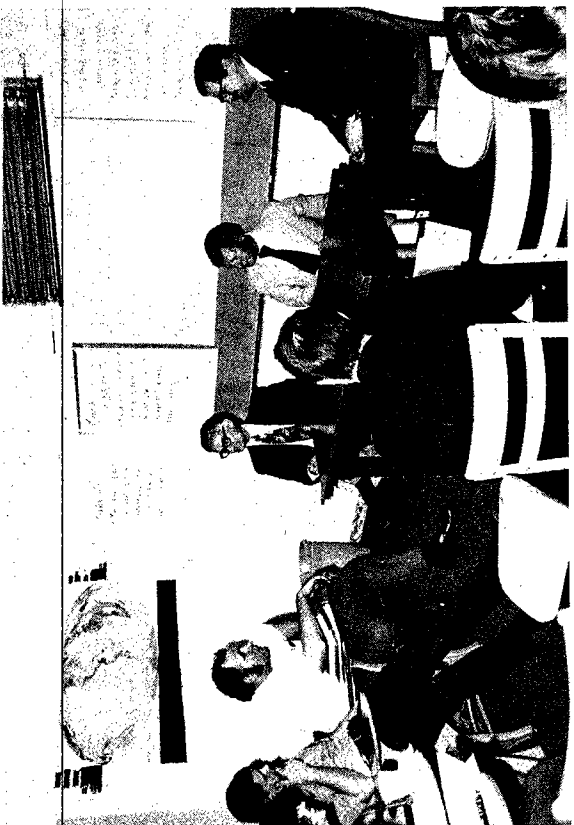
Department of Humanities

Department of Music

Department of Natural Sciences and Mathematics

Department of Religion

ROTC



Department of

BUSINESS AND ECONOMICS

Accounting

Business

Economics

Health Services Supervision

Training and Development

Center for Business Studies

DEPARTMENT OF BUSINESS AND ECONOMICS

The goal of the department is to assist students to prepare for professional careers in business. The program offered in business administration is a broad survey of the major fields of study which are part of the economic enterprise. This major is designed particularly for students who plan to own and operate a business, for students preparing for a career as an employee at the professional level, and for students who are preparing for graduate study in business. In addition to courses in the department, students of business are encouraged to develop skills in communications, quantitative discipline, and cultural breadth. For these skills and this knowledge to be most effective, students will be encouraged to base their lives on the personal God revealed in the Bible.

The department offers a major in Training and Development which combines courses in business, education, and social sciences. The objective of this program is to prepare people to work with business and government in internal education and development. Because of the broad scope and extensive course requirements for this program, students who major in Training and Development are not required to complete a minor (see p. 85, Majors and Minors).

Through the Center for Business Studies, the department works with local firms in upgrading understanding of business and economics to develop a more efficient and effective organization.



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

BUS 102 American Business and Free Enterprise	3 hours
ES 133 Introduction to Computer Science	3 hours
BUS 243 Business Machines-Math	3 hours
BUS 323 Business Finance	3 hours
BUS 343 Introduction to Probability & Statistics	3 hours
ECO 213, 223 Survey and Principles of Economics	6 hours
ACC 214, 233 Principles of Accounting I, II	7 hours
BUS 353, 363 Business Law I, II	6 hours
BUS 373 Principles of Management	3 hours
BUS 383 Business Communications	3 hours
BUS 393 Principles of Marketing	3 hours
	43 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 BUS 383, Business Communications. See page 26 for the examination fee.

Requirements for a minor in Business

BUS 102 American Business and Free Enterprise	3 hours
BUS 243 Business Machines-Math	3 hours
ACC 214 Principles of Accounting I	4 hours
BUS 353 Business Law I	3 hours
ECO 213 Survey of Economics	3 hours
Electives in Business (3 hours upper division)	3 hours

Requirements for a minor in Accounting*

ACC 214, 233 Principles I, II	7 hours
ACC 313, 323 Intermediate Accounting I, II	6 hours
Electives in Accounting	6 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 43 hours in the Business major.

Requirements for a minor in Economics*

ECO 213, 223 Survey and Principles of Economics	6 hours
Electives in Economics (6 hours upper division)	12 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 43 hours in the Business major.

ACCOUNTING

ACC 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

ACC 233. PRINCIPLES OF ACCOUNTING II. A continuation of ACC 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

ACC 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: ACC 233.
Fall, 1981, and alternate years — 3 hours

ACC 323. INTERMEDIATE ACCOUNTING II. A continuation of ACC 313. Emphasis is placed on corporate capital, income determination, funds flow, and changes in accounting methods. Prerequisite: ACC 313.
Spring, 1982, and alternate years — 3 hours

ACC 433. COST ACCOUNTING. Principles of factory and distributive cost accounting, including process and standard cost. Prerequisite: ACC 233.
Spring, 1981, and alternate years

ACC 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: ACC 233.
Fall, 1980, and alternate years

BUSINESS

BUS 102. AMERICAN BUSINESS AND FREE ENTERPRISE. A course for beginners in the study of American business. Various aspects of the business firm will be defined and illustrated. Major problems of the economic system will be introduced. *Every fall — 3 hours*

BUS 123. INTERMEDIATE TYPEWRITING. Provides practice in developing accuracy *with* speed in typing business correspondence, rough drafts of business letters, memoranda, inter-office communication, tabulation. Emphasis placed on production of mailable copy with opportunity for composition at the typewriter. Open to persons who have learned touch system and have attained a speed of 30 words per minute. *Every semester — 3 hours*

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

BUS 243. BUSINESS MACHINES-MATH. Designed to give the student instruction in efficient operation of electronic display (digital) and electronic printing (tape) machines. Practical business applications including interest, discounts, payroll computation, insurance, proration, reciprocals, invoicing, markups, percentages, and commissions. *Every semester — 3 hours*

BUS 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: ACC 233 and ECO 223. *Every spring — 3 hours*

BUS 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, 1982, and alternate years — 3 hours*

BUS 343. INTRODUCTION TO PROBABILITY AND STATISTICS. See MAT 363.

BUS 353. BUSINESS LAW I. A study of the development of our legal system with a brief study of the nature of crimes, torts, and strict liability. The course also includes contracts, agency, and property.

Every fall — 3 hours

BUS 363. BUSINESS LAW II. A continuation of BUS 353. Included in this course is the study of partnerships, corporations, sales commercial paper, credit, and government regulations and agencies.

Every spring — 3 hours

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

Every fall — 3 hours

BUS 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 by touch method.

Every spring — 3 hours

BUS 393. PRINCIPLES OF MARKETING. Understanding of the marketing processes as they relate to marketing decisions, selection of market targets, product strategy, distribution channels, pricing, marketing research, advertising, interaction of marketing and society. Prerequisite: ECO 213.

Every fall — 3 hours

BUS 453. ORGANIZATIONAL BEHAVIOR. A study of the interpersonal relations between individuals and groups in an organizational setting. The problems that arise out of these relations are analyzed and evaluated by using the case approach.

Every spring — 3 hours

ECONOMICS

ECO 213. SURVEY OF ECONOMICS. A brief survey of basic economic concepts, principles, and business practices from a microeconomic approach. The course includes a preview of the American economy, national production, employment and income; also included is a study of the monetary and fiscal policy in the

United States, the public sector and economic growth.

Every fall — 3 hours

ECO 223. PRINCIPLES OF ECONOMICS. A continuation of ECO 213, from a microeconomic approach covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems.

Every spring — 3 hours

ECO 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

ECO 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: ECO 213.

Fall, 1981, and alternate years — 3 hours

ECO 383. ECONOMIC HISTORY OF THE UNITED STATES. See HIS 383.

ECO 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: ECO 213.

Spring, 1981, and alternate years — 3 hours

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.

HEALTH SERVICES SUPERVISION

Suggested 4-year Course Sequence

Program will be adjusted for students entering at Junior level.

	FALL	FRESHMAN	SPRING
BIB 113 - O.T. History	3	BIB 123 - N.T. History	3
EEW 113 - Grammar/Comp	3	EEW 123 - Comp/Lit	3
SCI 114 - Sci Concepts	4	Lab Science	4
P.E. - Activity	1	P.E. Activity	1
BUS 102 - Amer Bus & Free Enter	3	BUS 243 - Bus Mach/Math	3
	14 units		14 units

January Term

3 units

	FALL	SOPHOMORE	SPRING
BUS 343 - Intro to Prob & Stat	3	CS 133 - Intro to Comp Sci	3
History (100 or 200 Series)	3	History (100 or 200 Series)	3
P.E. - Activity	1	P.E. - Activity	1
PSY 213 - General Psy	3	SPC 113 - Fund of Speech	3
ECO 213 - Surv of Econ	3	ECO 223 - Princ of Econ	3
Art or Music Apprec	2	Minor Elective	3
	15 units		16 units

January Term

3 units

FALL

JUNIOR

SPRING

TD 303 - Training & Dev Princ..	3	AED 363 - Teaching Adults	3
BUS 101 - Basic Supervision	1	TD 313 - T & D Princ II	3
(Center for Bus Stud)		BUS 142 - Basic Comm	1
BUS 353 - Business Law I	3	(Center for Bus Stud)	
SOC 303 - Social Psy	3	BUS 383 - Business Comm	3
PSY 343 - Counseling/Guid	3	BUS 363 - Business Law II	3
		BUS 333 - Personnel Adm	3
	<u>16</u> units		<u>16</u> units

January Term

3 units

FALL

SENIOR

SPRING

TD 404 - Internship (Hospital) ...	4	TD 414 - Intern (Hospital)	4
BUS 373 - Princ of Management ...	3	BUS 453 - Organizational Beh	3
Electives	<u>9</u>	Electives	<u>9</u>
	<u>16</u>		<u>16</u>

January Term

3 units

Electives Recommended

BUS 323 - Business Finance
 ECO 343 - Family Finan Plan
 BUS 393 - Princ of Marketing

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

Professional Courses	Semester Hours
I. Business (36 hours)	
BUS 102 American Business and Free Enterprise	3
CS 133 Introduction to Computer Science	3
ECO 213, 223 Survey and Principles	6
BUS 333 Personnel Administration	3
BUS 373 Principles of Management	3
BUS 453 Organizational Behavior	3

ECO 343 Family Financial Planning	3
BUS 343 Intro to Probability and Statistics	3
Upper Division Business Electives*	<u>9</u>
	36

* Elective recommended:

BUS 323 Business Finance	
BUS 393 Principles of Marketing	
BUS 353 Business Law I	
Bus 363 Business Law II	
Advanced computer science courses	
II. Training and Development (17 hours)	
TD 303, 313 Training & Development Principles I, II	6
TD 404, 414 Training & Development Internship I, II	8
TD 323 Business Conference leadership	<u>3</u>
	17
	17

III. Education (12 hours)	
EDU 363 Audio-Visual Materials & Methods	3
AED 353 Survey of Adult Education	3
AED 363 Principles of Teaching Adults	3
SED 443 Methods/ Curriculum	<u>3</u>
	12
IV. Psychology (9 hours)	
PSY 213 General Psychology	3
PSY 313 Educational Psychology	3
PSY 343 Fundamentals of Counseling/ Guidance	<u>3</u>
	9

* General Education, January Term, and Electives
(should include SPC 113 - Fundamentals of Speech)

54

Requirements for a minor in Training and Development

128 hours

TD 303, 313 Training & Development Principles I, II	6
AED 363 Principles of Teaching Adults	3
PSY 313 Educational Psychology	3
PSY 343 Fundamentals of Counseling & Guidance	3
SED 443 High School Curriculum/ Methods OR	} 3-4
TD 404 or 414 Training & Development Internship I, II	
	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 323. BUSINESS CONFERENCE LEADERSHIP. Teaches the competencies of leading a business conference and discussion groups, primarily as a learning device or for problem-solving. *Fall, 1981 and alternate years. — 3 hours*

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

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

CENTER FOR BUSINESS STUDIES

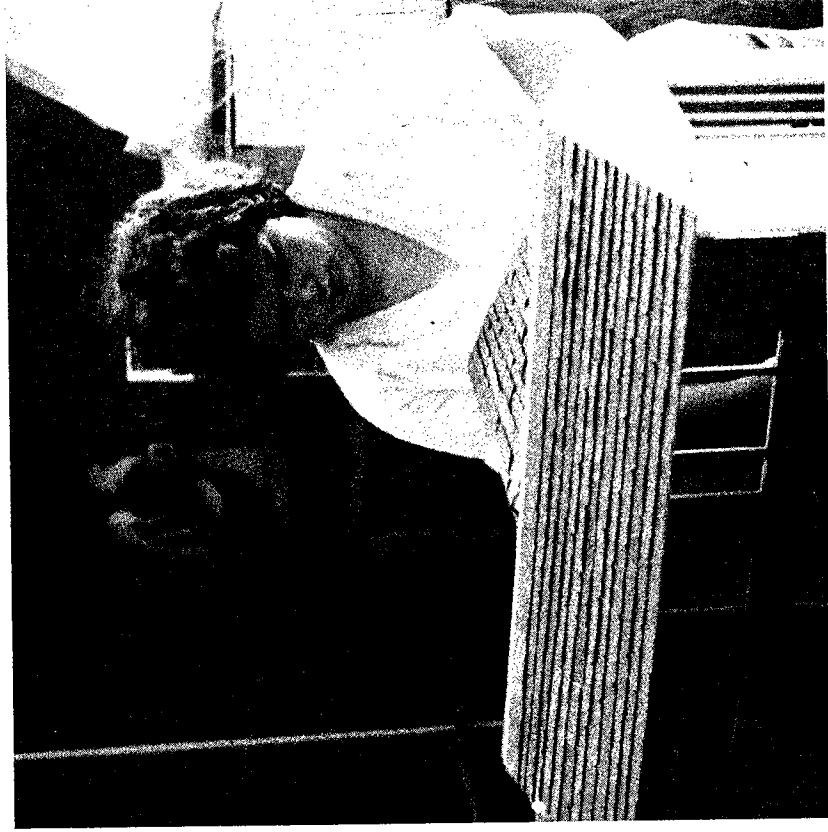
Further to serve business, professional and governmental groups in the Salt River Valley, the College has established a Center for Business Studies. Persons who wish to continue education in business-related subjects may take courses involving a short period of time and exposure to experts in the various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

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

Courses in the Center will include such areas as Basic Supervision, Basic Management, Human Relations, Business Communications, Small Business Bookkeeping, Small Office Management, Career development, attitude improvement, 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

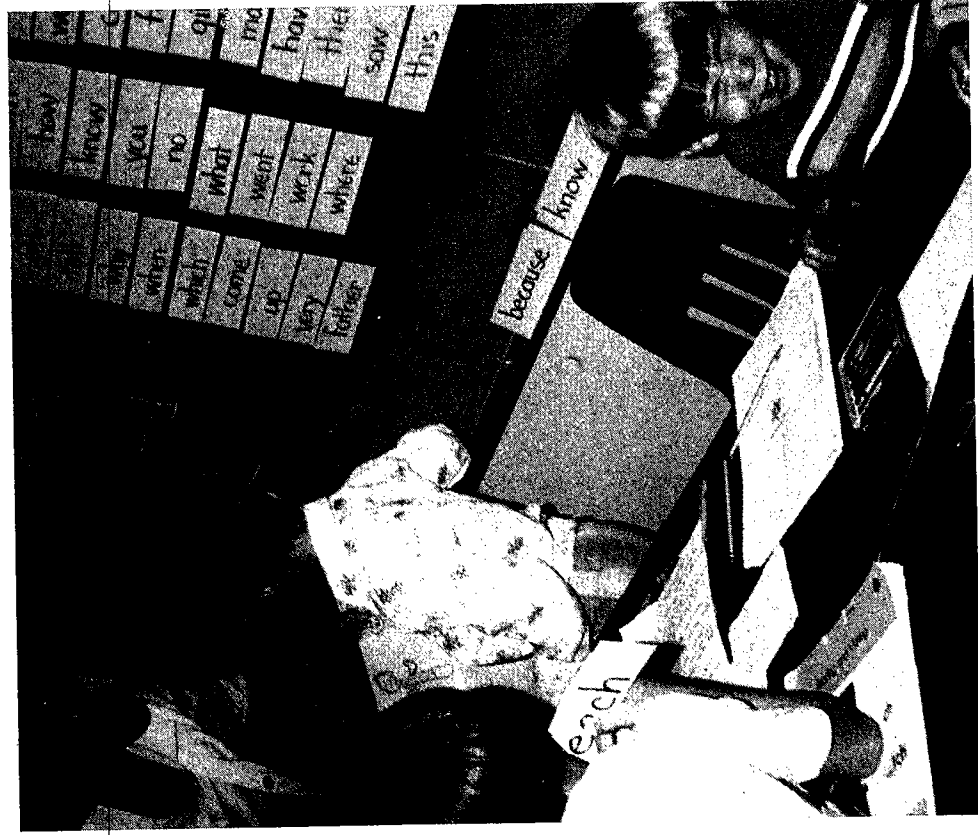
Elementary Education

Special 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 secondary teachers.

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

1. Elementary Education
2. Special Education (Learning Disabilities and Emotional Handicaps)
3. Secondary Education, with certifiable majors in Art Education, Biology, Business, Chemistry, English, History, Mathematics, Music Education, Physical Education, Social Studies, and Theatre/Speech.
4. Endorsements (K-12) for Art, Music, and Physical Education.

In addition to the requirements for the certificate, students must complete 40 semester hours in the specific teaching field.

The teacher education program of Grand Canyon College is approved by the State Board of Education and leads to certification in the following manners:

Elementary or Secondary, Basic Certificate

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

Elementary or Secondary, Standard Certificate

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 30 hours in upper division courses during a special fifth year program designed by the chairman of the department in consultation with the student which will include prescribed professional courses. (See p. 110.)

APPLICATION PROCEDURES

Eligibility

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

All candidates must have passed the English Usage Examination. (See page 81.)

Application for Teacher Education

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

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

Students will be notified in writing as to the action taken on their applications by a screening committee representing the education department faculty, subject to appeal to the Teacher Education Committee.

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

Application for Student Teaching

All students who wish to be placed in student teaching must make written application. Appropriate forms are available from the Education Office, Room 116, Faculty Building.

Deadlines for applying for student teaching are as follows:

To teach during Fall Semester – April 15

To teach during Spring Semester – November 15

To teach during Summer Term – March 15

Student Teaching Semester

The student teaching semester is offered on a "block" basis. The students complete 16 hours of course work in a single semester which is divided into two blocks. The first block lasts 6 weeks, during which time students take 8 hours of course work in professional education. The second block, of nine weeks duration, is reserved for student teaching and carries 8 hours of credit. Exceptions to the second block are made for students who are in the fifth-year program (see p. 111). These students are given the option of taking 6 hours of student teaching, for a semester total of 14 hours.

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

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

GENERAL STUDIES FOR TEACHER EDUCATION

PROGRAMS

BIB 113, 123 Old and New Testament History	6 hours
EEW 113, 123 Grammar, Composition, and Literature	6 hours
Art and/or Music (includes MUS 252 or AH 112)	4 hours
HIS 213, 223 American History	6 hours
Physical Education	4 hours
SPC 113 Fundamentals of Speech or	
SPC 213 Group Discussion	3 hours
GOV 303 Federal and Arizona Government	3 hours
PSY 213 General Psychology	3 hours
PSY 353 or 373 (Child or Adolescent Psychology)	3 hours

Laboratory Science	4 hours
MAT 113 Liberal Arts Math	3 hours
	45 hours

COURSES FOR ELEMENTARY CERTIFICATE

(Grades K-8)

Requirements for a major in Elementary Education

(B.S. Degree)

**	EDU 303 Foundations of Education	3 hours
	EDU 363 Audio-Visual Materials and Methods	3 hours
	EED 323 Elem. Curriculum and Methods: Science	3 hours
	EED 343 Communication Arts in Elementary School	3 hours
	EED 363 Curriculum and Methods: Social Studies	3 hours
	EED 403 Mathematics for Elementary Teachers	3 hours
	EED 412 Decoding	3 hours
	EED 433 Reading in the Elementary School	3 hours
	EED 443 Reading Practicum in Elementary School	3 hours
*	EDU 313 Educational Psychology	3 hours
	EDU 413 Tests and Measurements	3 hours
	EDU 328 Student Teaching in Elementary Grades	8 hours
	EDU 320 Orientation to Student Teaching	2 hours
		43 hours

* Education Block—16 hours

** Prerequisite to all other education Courses

Elementary Education majors must present an appropriate 18-24 hour subject matter minor.

Recommended electives for elementary teacher candidates:

EDU 183 Exploring Education as a Career	3 hours
EDU 313 Nursery-Kindergarten Education	3 hours
EDU 373 Children's Literature	3 hours
AE 303 Art in the Elementary School	3 hours
HILT 333 School Health Problems	3 hours
MED 333 Music in the Primary and Elementary Grades	3 hours
PE 323 Physical Education for Elementary Grades	3 hours

COURSES FOR LEARNING DISABILITIES AND ELEMENTARY CERTIFICATION

(Grades K-8)

Requirements for a major in Special Education

(B.S. Degree)

**	EDU 303 Foundations of Education	3 hours
	EDU 363 Audio-Visual Materials and Methods	3 hours
	EED 323 Curriculum and Methods: Science	3 hours
	EED 343 Communication Arts	3 hours
	EED 363 Curriculum and Methods: Social Studies	3 hours
	EED 403 Math for Elementary Teachers	3 hours
	EED 412 Decoding	3 hours
	EED 433 Reading: Elementary School	3 hours
	EED 443 Reading Practicum	3 hours
	SPE 323 Orientation to Education of Exceptional Child	3 hours
	SPE 333 Diagnosis of Learning Problems	3 hours
	SPE 353 Survey of Learning Disabilities	3 hours
	SPE 363 Methods of Teaching Children with Learning Disabilities	3 hours

Elective in Special Education

*	EDU 313 Educational Psychology	3 hours
	EDU 413 Tests and Measurements	3 hours
	SPE 408 Student Teaching: Learning Disabilities	8 hours
	EDU 320 Orientation to Student Teaching	2 hours
		58 hours

* Education Block—16 hours

** Prerequisite to all other education courses

COURSES FOR EMOTIONALLY HANDICAPPED AND ELEMENTARY CERTIFICATION

(Grades K-8)

Requirements for a major in Special Education

(B.S. Degree)

**	EDU 303 Foundations of Education	3 hours
	EDU 363 Audio-Visual Materials and Methods	3 hours
	EED 323 Curriculum and Methods: Science	3 hours

EED 343 Communication Arts	3 hours
EED 363 Curriculum and Methods: Social Studies	3 hours
EED 403 Math for Elementary Teachers	3 hours
EED 412 Decoding	3 hours
EED 433 Reading: Elementary School	3 hours
EED 443 Reading Practicum	3 hours
SPE 323 Orientation to Education of Exceptional Children	3 hours
SPE 333 Diagnosis of Learning Problems	3 hours
SPE 383 Survey of Emotional Handicaps	3 hours
SPE 393 Methods of Teaching the Emotionally Handicapped Child	3 hours
Elective in Special Education	3 hours
* EDU 313 Educational Psychology	3 hours *
EDU 413 Tests and Measurements	3 hours
SPE 418 Student Teaching: Emotionally Handicapped	8 hours
EDU 320 Orientation to Student Teaching	2 hours
	<u>58</u> hours

*Education Block—16 hours

**Prerequisite to all other education courses

COURSES FOR SECONDARY CERTIFICATE

(Grades 7-12)

(Degree depends on Major)

**EDU 303 Foundations of Education	3 hours
EDU 363 Audio-Visual Materials and Methods	3 hours
SED 443 High School Curriculum and Methods	3 hours
Special methods in major teaching field (if available)	2-3 hours
SED 452 Reading in the Secondary School	3 hours
SED 462 Reading Practicum in Secondary School	3 hours
* EDU 313 Educational Psychology	3 hours *
EDU 413 Tests and Measurements	3 hours
SED 328 Student Teaching in Secondary School	8 hours
EDU 320 Orientation to Student Teaching	2 hours
	<u>31-34</u> hours

*Education Block—16 hours

**Prerequisite to all other education courses

The student's major, required for graduation, is his major teaching field. Certifiable majors are listed on page 105.

The minor, also required for graduation, to be certifiable for a secondary school teaching field, must be 24 semester hours (20 in some cases), rather than the usual 18. A minor is not required for secondary certification for students majoring in art education or music education. Students should confer with faculty personnel in the minor department.

FIFTH YEAR PROGRAM

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

EDUCATION

EDU 103, 113. READING SKILLS FOR SUCCESS IN COLLEGE. Designed to reinforce the reading/learning skills needed for success in college courses. Emphasis is placed on comprehension, vocabulary building, improvement of reading rate, note taking, study skills, organization of time, and test-taking techniques. EDU 103 must be taken prior to EDU 113.

Every semester — 3 hours each

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

Every semester — 3 hours

EDU 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 and should be taken during the sophomore year.

Every semester and every summer — 3 hours

EDU 313. EDUCATIONAL PSYCHOLOGY. (Also PSY 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: PSY 213.

Every semester and every summer — 3 hours

EDU 320. ORIENTATION TO STUDENT TEACHING. Designed for students who are enrolled in student teaching, to help prepare such students for their classroom experiences. Administrators and supervisors from public schools are invited to participate in this orientation as well as other professional personnel. Additional instruction is given by the faculty of the department.

Every semester — 2 hours

EDU 363. AUDIO-VISUAL MATERIALS AND METHODS. (Also REL 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

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

Every semester and every summer — 3 hours

ELEMENTARY EDUCATION

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

Every spring and every summer — 3 hours

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

Every semester and every summer — 3 hours

EED 328. STUDENT TEACHING IN THE ELEMENTARY GRADES. The student is assigned to an approved school to serve as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: 23 hours of required courses for elementary certificate, a 2.5 GPA, and admission to the elementary teacher education program. Credit only. No grade is given.

Every semester — 8 hours

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

Every semester and every summer — 3 hours

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

Every semester and every summer — 3 hours

EED 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

EED 403. MATHEMATICS FOR ELEMENTARY TEACHERS. Formulation of programs for the individual child to teach the theory and practice of elementary mathematics. Use of games in the classroom, utilization of manipulative materials, and mathematics curriculum in the elementary school. Prerequisite: MAT 113.

Every spring and every summer — 3 hours

EED 412. DECODING. Designed to give teachers and prospective teachers a basic understanding of phonics, context clues, and morphology—with some discussion of sight vocabulary. The practical, rather than theoretical, will be stressed, with examples for classroom practice. Prerequisite: EDU 303.

Every semester and every summer — 3 hours

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

Every semester and every summer — 3 hours

EED 443. READING PRACTICUM IN THE ELEMENTARY SCHOOL. Designed to provide prospective elementary teachers with an intensive teaching experience over the length of one semester. Taken concurrently with EED 433. Prerequisites: EDU 303, EED 343, 412.

Every semester and every summer — 3 hours

SPECIAL EDUCATION

SPE 323. ORIENTATION TO EDUCATION OF EXCEPTIONAL CHILDREN. Introduction to the various categories of exceptionality, with their characteristics. *Every fall — 3 hours*

SPE 333. DIAGNOSIS OF LEARNING PROBLEMS. Characteristics and uses of diagnostic instruments which can be used to identify and evaluate learning problems of students. Prerequisite: SED 323. *Every spring — 3 hours*

SPE 353. SURVEY OF LEARNING DISABILITIES. Developmental and observable characteristics of the child with learning disabilities, encompassing the many individual theories being applied to education of the special student. Prerequisite: SED 323. *Every fall — 3 hours*

SPE 363. METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES. Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. Prerequisite: SED 323. *Every summer — 3 hours*

SPE 383. SURVEY OF EDUCATING CHILDREN WITH EMOTIONAL HANDICAPS. A general study of characteristics of emotionally handicapped or socially maladjusted individuals and educational programs available for them. Prerequisite: SED 323. *Every spring — 3 hours*

SPE 393. METHODS OF TEACHING THE EMOTIONALLY HANDICAPPED CHILD. Methods and techniques of planning and implementing instructional programs for children with emotional handicaps. Prerequisite: SED 323. *Every summer — 3 hours*

SPE 408. STUDENT TEACHING IN SPECIAL EDUCATION: LEARNING DISABILITIES. A practicum course designed to give the student teacher experience in teaching children with learning disabilities. All-day assignment for nine weeks in an approved school. *Every semester — 8 hours*

SPE 418. STUDENT TEACHING IN SPECIAL EDUCATION: EMOTIONALLY HANDICAPPED. A practicum course designed to give the student teacher experience in teaching children with emotional handicaps. All-day assignment for nine weeks in an approved school. *Every semester — 8 hours*

SECONDARY EDUCATION

SED 328. STUDENT TEACHING IN HIGH SCHOOL. The student is assigned to an approved school to serve as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: EDU 313 and 413, SED 443, 452, and 462., 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given. *Every semester — 8 hours*

SED 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. Prerequisites: EDU 303, EED 343 and 412. *Every semester and every summer — 3 hours*

SED 452. READING IN THE SECONDARY SCHOOL. This course is designed to help secondary teachers become aware of and meet the needs for reading/learning skills of high school students. Taken simultaneously with SED 462. Prerequisite: EDU 303. *Every semester — 3 hours*

SED 462. READING PRACTICUM IN THE SECONDARY SCHOOL. This practicum is a school centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students in developmental and remedial reading classes and/or one-to-one tutoring. The practicum is taken simultaneously with SED 452. Prerequisite: EDU 303. *Every semester — 3 hours*

ADULT EDUCATION

AED 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, 1980, and alternate years — 3 hours*

AED 363. PRINCIPLES OF TEACHING ADULTS. Factors considered in establishing and developing adult education programs in schools, business, and industry. *Spring, 1981, and alternate years — 3 hours*

PSYCHOLOGY

Requirements for a minor in Psychology

PSY 213 General Psychology 3 hours

PSY 253 Personality Development 3 hours

PSY 223 History and Systems, or

PSY 303 Social Psychology 3 hours

Electives in Psychology 9 hours

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

PSY 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

PSY 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 PSY 213 during the first semester of their freshman year. Prerequisite: PSY 213.

Spring, 1981, and alternate years — 3 hours

PSY 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

PSY 303. SOCIAL PSYCHOLOGY. See SOC 303.

PSY 313. EDUCATIONAL PSYCHOLOGY. See EDU 313.

PSY 333. PSYCHOLOGY IN RELIGION. See REL 333.

PSY 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: PSY 213.

Every semester and every summer — 3 hours

PSY 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: PSY 213.

Every semester and every summer — 3 hours

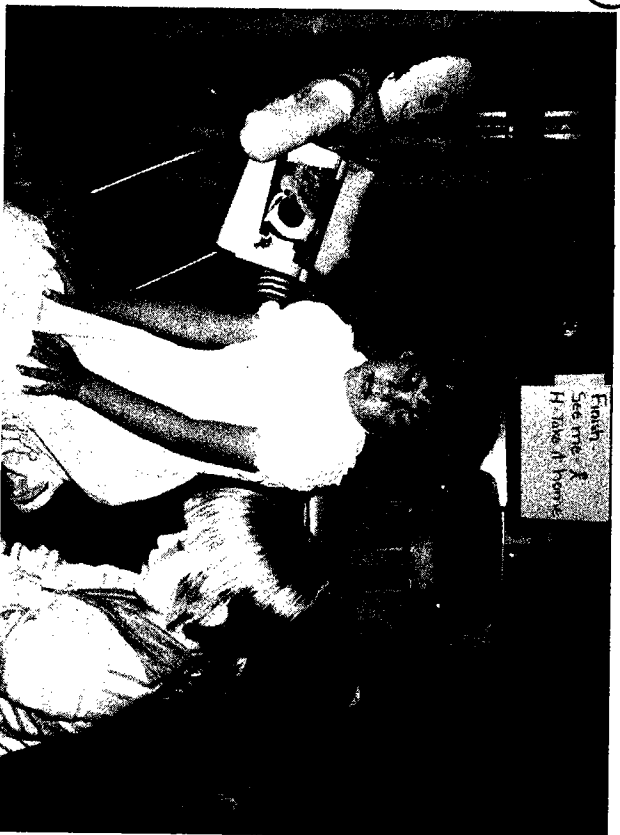
PSY 363. INTRODUCTION TO PROBABILITY AND STATISTICS. See MAT 363.

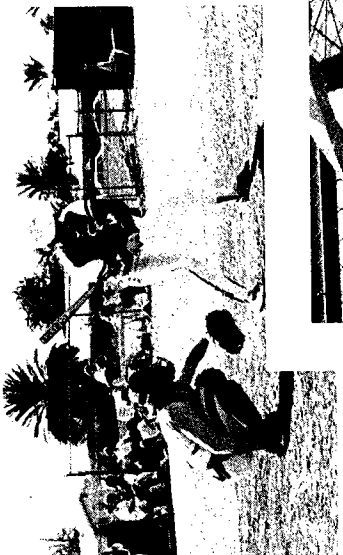
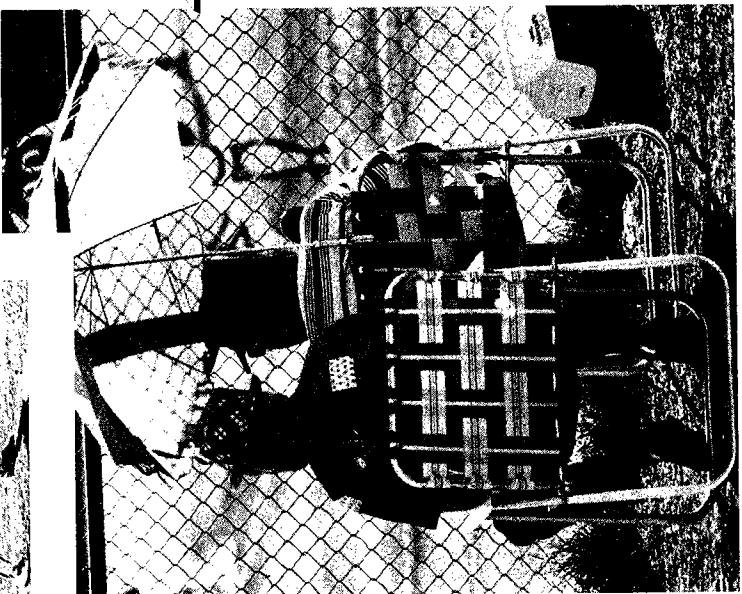
PSY 373. ADOLESCENT PSYCHOLOGY. An examination of the meaning and significance of adolescence; physical, mental, moral, and religious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescence; and the guidance and control of adolescent behavior. Prerequisite: PSY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

Every semester — 3 hours

PSY 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: PSY 213.

Fall, 1980, and alternate years — 3 hours





Department of

HEALTH AND PHYSICAL EDUCATION

Health Education

Physical Education

Driver 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 Executive Vice President, 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: PE 213, HLT 203, or HLT 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.

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

Requirements for a minor in Health Education

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

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

PE 101, 111, 121, 131, 201, 231, 241 (choice)	Any 4 hours
PE 243 History and Principles	3 hours
PE 273 Recreation Administration	3 hours
PE 282 Professional Activities	2 hours

PE 292 Professional Activities	2 hours
PE 313 Kinesiology	3 hours
PE 323 or 413 Methods	3 hours
PE 423 Organization and Administration	3 hours
<u>Physical Education Electives</u>	
HLT 353 Anatomy and Physiology	7 hours
	3 hours

Note: Students who wish to qualify for K-12 certificates must earn 40 hours which includes both PE 413 and 323.

Requirements for a minor in Physical Education

PE 101, 111, 121, 131	
201, 231, 241	Any 4 hours
PE 243 History and Principles	3 hours
PE 282 Professional Activities	2 hours
PE 292 Professional Activities	2 hours
PE 313 Kinesiology	3 hours
PE 323 or 413 Methods	3 hours
PE 423 Organization and Administration	3 hours
HLT 353 Anatomy and Physiology	3 hours

HEALTH EDUCATION

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

Every fall — 3 hours

HLT 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

HLT 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

HLT 343. PRINCIPLES OF PUBLIC HEALTH (also EVS 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

HLT 353. ANATOMY AND PHYSIOLOGY. A study of the basic structure, functions, and various systems of the human organism by means of charts, models, and observations of laboratory techniques. Prerequisite: PE 243.

Every fall — 3 hours

HLT 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

HLT 383. DRUG ABUSE SEMINAR. See SOC 383.

HLT 399. PRACTICUM. See page 76.

HLT 499. INDEPENDENT STUDY. See page 76.

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.

PE 101. SWIMMING. Instruction and practice in the skills of swimming.

Every semester — 1 hour

PE 111. TENNIS. Instruction and practice in the fundamentals of tennis.

Every semester — 1 hour

PE 121. WEIGHTLIFTING AND FITNESS. Instruction and practice in the skills of weightlifting and of procedures necessary to maintain an accepted level of physical fitness.

Every semester — 1 hour

PE 131. TEAM SPORTS. Instruction and practice in softball, basketball, and volleyball.

Every semester — 1 hour

PE 201. BOWLING. Instruction and practice in the fundamentals of bowling.

Every semester — 1 hour

PE 231. ARCHERY. Instruction and practice in the fundamentals of archery.

Every semester — 1 hour

PE 241. GOLF. Instruction and practice in stance, grip, stroke, teeing of the ball, and use of different clubs.

Every semester — 1 hour

PE 213. RECREATIONAL ACTIVITIES. Games and contests for home, school, and community leisure time.

Every fall — 3 hours

PE 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

PE 273. RECREATION ADMINISTRATION. A study of the philosophy, scope, and basic values of recreation, its organization, and administration.

Every spring — 3 hours

PE 282. PROFESSIONAL ACTIVITIES. Individual and dual sports. Skills in physical education activities for the physical education major and minor. (Three class periods per week)

Every fall — 2 hours

PE 292. PROFESSIONAL ACTIVITIES. Team sports. Skills in physical education activities for the physical education major and minor. (Three class periods per week.)

Every spring — 2 hours

PE 313. KINESIOLOGY. A study of the location, mechanics, and action of the principal muscles of the body and their relation to the various types of physical skills. Prerequisites: PE 243 and HLT 353.

Every spring — 3 hours

PE 323. PHYSICAL EDUCATION FOR ELEMENTARY GRADES. A study of 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

PE 333. ATHLETIC COACHING, BASKETBALL. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.

Every spring — 3 hours

PE 343. SPORTS OFFICIATING. A study of the rules and mechanics of officiating football, basketball, and baseball.

Every fall — 3 hours

PE 363. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD. A course designed to develop methods and techniques of teaching the exceptional child in motor activities. Emphasis is also placed on the activities and programs to be included in the curriculum.

Every summer — 3 hours

PE 383. ATHLETIC COACHING, BASEBALL. A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.

Every fall — 3 hours.

PE 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: PE 243.

Every fall — 3 hours

PE 423. ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION. Designed for majors in physical education. Deals with possible administrative problems in departments of physical education in all types of educational institutions. Prerequisites: PE 243 and 413.

Every spring — 3 hours

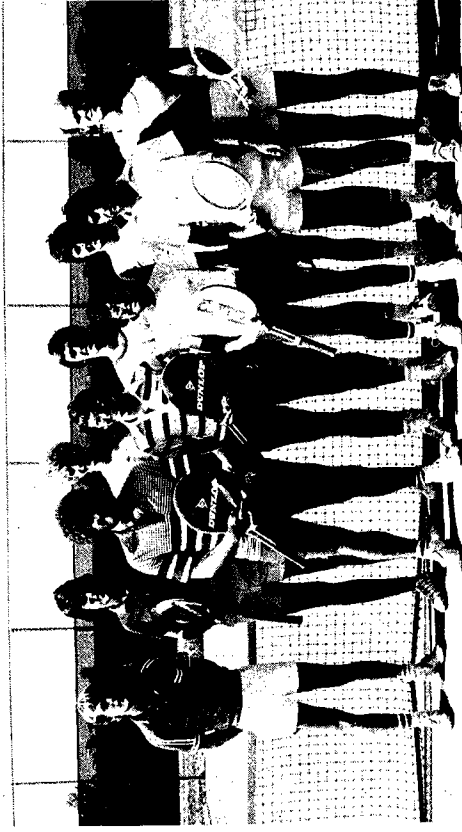
PE 399. PRACTICUM. See page 76.

PE 499. INDEPENDENT STUDY. See page 76.

DRIVER EDUCATION

DR 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 spring — 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)

SOC 213 Principles of Sociology 3 hours

SOC 313 Cultural Anthropology or

SOC 323 History of Social Thought 3 hours

PSY 213 General Psychology 3 hours

PHI 213 Introduction to Philosophy

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**

SOC 213 Principles of Sociology 3 hours

SOC 313 Cultural Anthropology or

SOC 323 History of Social Thought 3 hours

PSY 213 General Psychology 3 hours

PHI 213 Introduction to Philosophy 3 hours

Electives in Psychology or Sociology
(Upper division)

6 hours

**Not recommended for prospective teachers in secondary education.

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

HIS 113, 123, and 233 History of Civilization I, II, and III	9 hours
HIS 213 and 223 Early and Recent American History	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

HIS 113, 123, and 233 History of Civilization I, II, and III	9 hours
HIS 213 and 223 Early and Recent American History	6 hours
Upper division courses in History	6 hours

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

HIS 113, 123, and 233 History of Civilization I, II, and III	9 hours
HIS 213 and 223 Early and Recent American History	6 hours
SOC 213 Principles of Sociology and	
SOC 223 Social Problems	6 hours
GOV 303 Federal and Arizona Government	3 hours
ECO 213 Principles of Economics I	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

HIS 113 and 123 Civilization I and II, or	
HIS 123 and 233 Civilization I and II, or	
HIS 213 and 223 Early and Recent American History	6 hours
SOC 213 Principles of Sociology	3 hours
GOV 303 Federal and Arizona Government	3 hours
ECO 213 Principles of Economics I	3 hours
Geography	3 hours

Requirements for a minor in Government

GOV 303 Federal and Arizona Government	3 hours
Electives in Government	15 hours

Requirements for a minor in Sociology

SOC 213 Principles of Sociology and	
SOC 223 Social Problems	6 hours
Electives in Sociology (6 hours upper division)	12 hours

Requirements for a minor in Criminal Justice

CJ 213 Introduction to Criminal Justice	9 hours
CJ 223 Introduction to Correctional Science	
CJ 233 Criminal Law	
Electives in Criminal Justice (minimum of 6 hours upper division)	9 hours

GEOGRAPHY

GOE 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 spring — 3 hours

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

GOVERNMENT

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

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

Spring, 1981, and alternate years — 3 hours

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

Fall, 1980, and alternate years — 3 hours

GOV 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, 1980, and alternate years — 3 hours

GOV 343. CONTEMPORARY POLITICAL THOUGHT. A continuation of GOV 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: GOV 333 or sufficient work in history or philosophy to provide an adequate background.

Spring, 1981, and alternate years — 3 hours

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

Every semester and every summer — 2 hours

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

Every semester and every summer — 2 hours

GOV 393. AMERICAN DIPLOMATIC HISTORY. (Also HIS 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, 1982, and alternate years — 3 hours

GOV 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. (Also HIS 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, 1981, and alternate years — 3 hours

HISTORY

HIS 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*

HIS 123. HISTORY OF CIVILIZATION II (RENAISSANCE TO 1815). A continuation of HIS 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*

HIS 233. HISTORY OF CIVILIZATION III (SINCE 1815). A continuation of HIS 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*

HIS 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*

HIS 223. RECENT AMERICAN HISTORY. A continuation of HIS 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*

HIS 303. BAPTIST AND AMERICAN CHURCH HISTORY. (Also REL 303) This course is a continuation of HIS 353 and follows the progress of the Christian movement from Europe to the American colonies. The major emphasis is on the development of Baptists and Evangelical Christianity in the United States. *On demand — 3 hours*

HIS 313. HISTORY OF ENGLAND TO 1714. 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, 1980, and alternate years — 3 hours*

HIS 314. MODERN BRITAIN. A study of the significant political, economic, and social developments of eighteenth, nineteenth, and twentieth century Britain, with particular attention given to the factors which contributed to Britain's position as a leading power in the nineteenth century and its decline from that position in the twentieth century.
Spring, 1981, and alternate years — 3 hours

HIS 323. COMPARATIVE REVOLUTIONS. A study of the English, American, French, and Russian revolutions and a comparison of these with recent revolutions. Prerequisites: HIS 113 and 123.
Fall, 1980, and alternate years — 3 hours

HIS 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: HIS 113.
Fall, 1981, and alternate years — 3 hours

HIS 353. CHURCH HISTORY. (Also REL 353.) A survey of the history of the various church groups through which the Christian religion has made its appeal to mankind and the world, with special emphasis upon the fragmentation of organized religion in the seventeenth century, the rise of the major Protestant groups, and the missionary activities of the nineteenth and twentieth centuries.
Every fall — 3 hours

HIS 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, 1982, and alternate years — 3 hours

HIS 383. ECONOMIC HISTORY OF THE UNITED STATES. (Also ECO 383.) A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: ECO 201 and HIS 213 and 223.
Fall, 1980, and alternate years — 3 hours

HIS 393. AMERICAN DIPLOMATIC HISTORY. See GOV 393.

HIS 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 *wollegit*, 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: HIS 113 and 123.
Fall, 1981, and alternate years — 3 hours

HIS 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. See GOV 423.

HIS 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: HIS 113 and 123.

Spring, 1981, and alternate years — 3 hours

HIS 445. PROBLEMS IN EUROPEAN HISTORY. A study of eight to ten major problems in European history. Emphasis will be on historiography and analysis. Prerequisites: HIS 113 and 123.

Spring, 1982, and alternate years — 3 hours

HIS 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. Prerequisite: Approval of instructor.

Summer, 1981, and alternate years — 3 hours

Every semester.

HIS 499. INDEPENDENT STUDY. See page 76.

HIS 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: HIS 213 and 223.
Spring, 1981, and alternate years — 3 hours

SOCIOLOGY

SOC 213. PRINCIPLES OF SOCIOLOGY. A study of persons and their world: the social processes, including cooperation, conflict, accommodation, and assimilation and the means of social integration, including the various institutions such as the family, the school, the church, business, and the state. *Every fall — 3 hours*

SOC 223. SOCIAL PROBLEMS. (Also EVS 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: SOC 213.
Every spring — 3 hours

SOC 303. SOCIAL PSYCHOLOGY. (Also PSY 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: PSY 213 or SOC 213.

Every spring — 3 hours

SOC 313. CULTURAL ANTHROPOLOGY. (Also EVS 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, economics, social organizations, and beliefs are surveyed.

Every fall — 3 hours

SOC 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: SOC 213.

Every spring — 3 hours

SOC 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: SOC 213 or junior standing.

Every fall — 3 hours

SOC 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: SOC 213 or junior standing.

Every spring — 3 hours

SOC 353. THE AMERICAN COMMUNITY. (Also EVS 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

SOC 383. DRUG ABUSE SEMINAR. (Also HLT 383.) Information presented concerns the problems of drug abuse and approaches toward solutions of these problems. Pharmacology and epidemiology of drug use; psychological, legal, social and cultural implications; and principles of program planning.

Every spring — 3 hours

SOC 384. HUMAN ECOLOGY. See EVS 384.

SOC 399. PRACTICUM. See page 77.

Every semester — 1-4 hours

SOC 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.

CJ 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: SOC 223 or permission of the instructor.

Every fall — 3 hours

CJ 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: CJ 213 or permission of the instructor.

Every spring — 3 hours

CJ 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: CJ 213 and 223, or permission of instructor.

On demand — 3 hours

CJ 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: CJ 213 or permission of instructor.

On demand — 3 hours

CJ 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, ~~detection 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: CJ 223 or permission of the instructor.
On demand — 3 hours

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

CJ 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 personalty needs. Prerequisites: CJ 223 and junior standing.
On demand — 3 hours

CJ 433. JUSTICE SYSTEM MANAGEMENT. Decision-making, organization, delegation of authority and commensurate responsibility, legal liabilities, budgeting problems, legislative compliance. Prerequisite: Junior standing.
On demand — 3 hours

CJ 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: CJ 223.
On demand — 3 hours

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

CJ 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.

On demand — 3 hours

CJ 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: CJ 223, junior standing, and consent of instructor.

On demand — 3 hours



Department of

HUMANITIES

Art

English and Speech

Modern Languages

Art

English

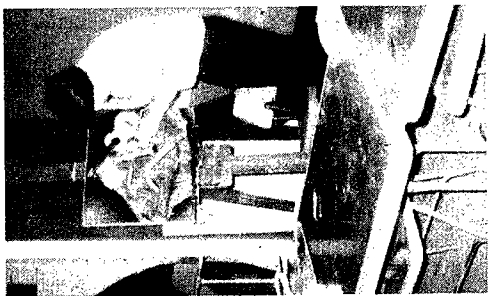
Speech

Drama

French

German

Spanish



DEPARTMENT OF HUMANITIES

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

ART

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

Requirements for a major in Art*

(B.A. Degree)

AH 333, 343 Art History I, II	6 hours
AH 353 American Art, or AH 363 Contemporary Art	3 hours
AH 373 Aesthetics I	3 hours
AR 203 Drawing I	3 hours
DGN 243, 253 Two- and Three Dimensional Design	6 hours
AR 213, 223, 253, 263, 273, 283	6 hours
AR 303, 313, 323, 353, 363, 373, 383	3 hours
AR 431, 432, 433, 434 Portfolio Competence	4 hours
AR 484 Studio Problems and Techniques	4 hours
DGN 484 Design Problems and Techniques	4 hours

42 hours

**Requirements for a major in Art
with emphasis on Teaching***
(B.A. Degree)

A minor is not required for students receiving secondary certification.

AR 333, 343 Art History I, II	6 hours
AR 183 Media and Methods of Art	3 hours
AR 203 Drawing I	3 hours
DGN 243, 253 Two- and Three-Dimensional Design	6 hours
AR 213, 223, 253, 263, 273, 283	12 hours
AE 303, 423 Art in Elementary and High School	6 hours
AE 443 Art Curriculum and Supervision	3 hours
Upper Division Art elective	3 hours
	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
AR 333, 343 Art History I, II; AH 353, 363 American Art, Contemporary Art	3 hours
Upper division elective	3 hours
	18 hours

Requirements for a teaching minor in Art

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

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, 1980, 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, 1981, and alternate years — 3 hours

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

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

AH 373. AESTHETICS I. An introduction to aesthetics from historical, philosophical, and theoretical frames of reference. Provides an overview of major ideas relating to art and criticism from the time of Plato through prespace-age twentieth century.
Fall, 1981, and alternate years — 3 hours

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

Spring, 1982, and alternate years — 3 hours

Art Studio

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

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

Every spring — 3 hours

AR 213. CRAFTS I. An exploratory approach to the designing and forming of contemporary crafts, such as copper enameling, macrame, batikng, off loom weaving, etc.
Fall, 1981, and alternate years — 3 hours

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

Spring, 1981, 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, 1980, 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.

AR 303. DRAWING II. Concentration on the development of skill in drawing techniques. Includes introduction to varied drawing materials and drawing 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, 1981, and alternate years — 3 hours*

AR 323. PRINTMAKING II. Provides exposure in some depth to the process of printmaking. Prerequisite: AR 223. ** Spring, 1981, 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, 1980, 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, 1982, and alternate years — 3 hours*

AR 399. PRACTICUM. The practicum is a supervised practical experience in the student's major area of interest. May be repeated for up to four hours total credit.

By arrangement — 1, 2, 3, 4 hours

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

On demand — 3 hours

AR 431, 2, 3, 4. PORTFOLIO COMPETENCE. The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and resume. This course will also include inquiry into promotional, legal, and contractual arrangements for the artist. *By arrangement — 1, 2, 3, 4 hours*

AR 481, 2, 3, 4. STUDIO PROBLEMS AND TECHNIQUES. Advanced studio problems in the medium of the student's choice. Prerequisite: Approval of instructor only. *By arrangement — 1, 2, 3, 4 hours*

AR 499. INDEPENDENT STUDY. Research, seminar, or readings and conference on a special topic to be selected by the student and faculty advisor.

By arrangement — 1, 2, 3, 4 hours

** Or by arrangement.*

Design Studio

DGN 243. TWO-DIMENSIONAL DESIGN. Basic principles of the structural aspects of graphic arts are explored in laboratory and lecture. Also explores the communicative value of visual images. *Every fall — 3 hours*

DGN 253. THREE-DIMENSIONAL DESIGN. Explores basic principles of the structural aspects of plastic arts, with emphasis on the analysis of volume and space relationships. *Every spring — 3 hours*

DGN 481, 2, 3, 4. DESIGN PROBLEMS AND TECHNIQUES. Advanced design problems in the medium of the student's choice. 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, 1981, 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, 1980, and alternate years — 3 hours

ENGLISH AND SPEECH

The instruction given in English has three objectives — two of them for every student who attends Grand Canyon College and the third specifically for those students who possess or develop a major interest in language and literature. The first objective is that the student may acquire a command of clear and effective English, spoken and written, that will prepare one to assume a responsible position in the American community. The second objective is the development of the ability to read good literature with appreciation and enjoyment and with an awareness of the values presented. 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)

Students who major in English have a choice of three areas of emphasis: literature, writing, and teaching.

English major with emphasis on Literature

The English literature major shall consist of EEL213 and EEL223 plus 24 additional hours, of which 15 must be upper division. The department urges English majors to include a foreign language in their programs. Most graduate schools prefer French or German. The upper division work must include one course from each of the following groups:

I. American Literature: EAL313, 323 American Literature

II. Genre Courses: ETL333 The Short Story
ETL413 The Novel

III. Period Courses: ETL403 20th Century Literature and the Christian Faith
EEL373 English Literature of the 18th Century

EEL383 Romantic Period in English Literature
EEL463 Poetry of the Victorian Period
IV. Writing and Language: EEW343 Advanced Composition

EEW483 Seminar in Writing
EEW323 Writing for Publication
EEW453 Creative Writing
ELG363 Advanced Grammar

V. Single Author: EMA423 Shakespeare

EMA443 Major Author Seminar

EMA463 Selected Writings of C.S. Lewis

English major with emphasis on Writing

The English writing major shall consist of EEW113 and EEW123, and 24 hours chosen from the following courses:

EEW313 Business and Technical Writing

EEW343 Advanced Composition

EEW453 Seminar in Writing (may be repeated for a maximum of 6 hours)

EEW323 Writing for Publication (may be repeated for a maximum of 6 hours)

EEW453 Creative Writing (may be repeated for a maximum of 6 hours)

ETL 333 The Short Story

ETL 413 The Novel

JRN213, 313 Small Newspaper

Recommended electives for this major include:

January Term Photography

DRA113 Acting I

CS113 Introduction to Computer Science

AR203 Drawing I

DGN243 1 Dimensional Design

English major with emphasis on Teaching

The English teaching major shall consist of the following courses:

EEL213, 223 English Literature

EAL313, 323 American Literature

EMA423 Shakespeare

ELG363 Advanced Grammar

EEW343 Advanced Composition, EEW 483 Seminar
in Writing, EEW323 Writing for Publication,

EEW 453 Creative Writing

EEL373 English Literature of 18th Century,

EEL383 Romantic Period of English Literature,

EEL463 Poetry of Victorian Period,

ETL333 The Short Story, ETL 413 The Novel,

EMA443 Major Author Seminar

6 hours

6 hours

3 hours

3 hours

3 hours

9 hours

30 hours

Requirements for a teaching minor in English

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

EEW113 Grammar & Composition,

EEW123 Composition and Literature

EEL213, 223 English Literature I, II

EAL313, 323 American Literature I, II

Upper division electives in English

6 hours

6 hours

6 hours

6 hours

24 hours

Requirements for a minor in English

EEW113 Grammar & Composition,

EEW123 Composition and Literature

EEL213, 223 English Literature I, II

Upper division electives in English

6 hours

6 hours

6 hours

18 hours

Requirements for a minor in Communications

Group I: English Writing

EEW313 Business and Technical Writing

EEW343 Advanced Composition

EEW453 Creative Writing

EEW483 Seminar in Writing

9-12 hours

Group II: Speech

SPC323 Voice and Diction

SPC333 Communications and the Media

SPC343 Advanced Public Speaking

SPC353 Oral Interpretation of Literature

9-12 hours

18 hours

Requirements for a major in Theatre-Speech

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

Group I:

SPC113 Fundamentals of Speech

SPC213 Group Discussion

SPC343 Advanced Public Speaking

3-9 hours

3-9 hour.

Group II:

DRA113 Acting I
 DRA243 Repertoire Acting Company
 DRA343 Repertoire Acting Company

3-6 hours

Group III:

DRA213 Introduction to Drama
 DRA313 History of the Theatre

Group IV: SPC323 Voice and Diction
 SPC353 Oral Interpretation of Literature

6 hours

6 hours

Group V:

DRA233 Stagecraft & Theatrical Design
 DRA433 Stage Lighting and Design

3-6 hours

Group VI:

DRA253 Christian Drama
 SPC/DRA333 Communications and the Media
 DRA413 Directing

 33 hours
Requirements for a minor in Speech

SPC113 Fundamentals of Speech
 SPC343 Advanced Public Speaking
 SPC323 Voice and Diction
 SPC353 Oral Interpretation of Literature
 SPC213 Group Discussion
 Performing Drama

3 hour.

3 hours

3 hours

3 hours

3 hours

3 hours

 18 hours
Requirements for a minor in Theatre

DRA113 Acting I
 DRA233 Stagecraft & Theatrical Design
 DRA433 Stage Lighting & Design
 SPC113 Fundamentals of Speech
 SPC213 Group Discussion
 SPC343 Advanced Public Speaking

3 hours

3 hours

3 hours

3-9 hours

DRA213 Introduction to Drama
 DRA313 History of Theatre
 DRA253 Christian Drama

3-9 hours

18 hours

ENGLISH

English Literature

EEL 213. 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

EEL 223. ENGLISH LITERATURE. A continuation of English EL213. Covers the period from the Romantic period to modern era.

Every spring — 3 hours

EEL 373. 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, 1980, and alternate years — 3 hours

EEL 383. THE ROMANTIC PERIOD IN ENGLISH LITERATURE. A Study of much of the poetry and prose produced in England between 1798 and 1832.

Fall, 1981, and alternate years — 3 hours

EEL 463. POETRY OF THE VICTORIAN PERIOD. A comparative study of the significant poets and poetry of the Victorian period. The course attempts to interpret the temper and spirit of the age as well as the individuality and merit of each author.

Spring, 1982, and alternate years — 3 hours

American Literature

EAL 313. AMERICAN LITERATURE. A study of the background and national development of American literature. Emphasizes the outstanding authors of each period and their representative works from the colonial age and the period of the Republic through the middle of the nineteenth century.

Fall, 1981, and alternate years — 3 hours

EAL 323. AMERICAN LITERATURE. A continuation of AL313, emphasizing the prose and poetry since the middle of the nineteenth century.

Spring, 1982, and alternate years — 3 hours

English Writing

EEW 113. GRAMMAR AND COMPOSITION. A course in the writing of clear and effective prose, emphasizing fluency, structure, and correctness.
Every semester and every summer — 3 hours

EEW 123. COMPOSITION AND LITERATURE. A continuation of EEW 113. The work involves a variety of expository techniques based on the students' readings and a research paper.
Every semester and every summer — 3 hours

EEW 313. BUSINESS AND TECHNICAL WRITING. A course designed to present the best practices in writing business communications and technical reports.
Fall, 1981, and alternate years — 3 hours

EEW 323. WRITING FOR PUBLICATION. A course designed for persons who want to translate the urge to write into a finished manuscript. The emphasis will be on non-fiction writing. May be repeated for a maximum of 6 hours.

Every semester, on demand — 3 hours

EEW 343. ADVANCED COMPOSITION. A course for students interested in writing who wish to develop their skills in critical and non-fiction writing.

Spring, 1981, and alternate years — 3 hours

EEW 453. CREATIVE WRITING. A course for students who are particularly interested in writing fiction or poetry. May be repeated for a maximum of 6 hours.

Fall, 1980, and alternate years — 3 hours

EEW 483. 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, 1982, and alternate years — 3 hours

Language Grammar

ELG 363. ADVANCED GRAMMAR. A study of syntax, form, and mechanics of English grammar in the light of its historical background.

Spring, 1981, and alternate years — 3 hours

Genre Courses

ETL 333. THE SHORT STORY. A study of the short story, its development, the different types and an analysis of technique.

Spring, 1981, and alternate years — 3 hours

ETL 343. TWENTIETH CENTURY LITERATURE AND THE CHRISTIAN FAITH. A study of selected works that represent important developments in twentieth century literature and their relation to Christianity.

Fall, 1980, and alternate years — 3 hours

ETL 413. THE NOVEL. A study of the development of the novel in British and American literature.

Spring, 1981, and alternate years — 3 hours

Major Author Courses

EMA 423. SHAKESPEARE. A study of the major Shakespearean comedies and tragedies as well as Shakespeare's development as a dramatist.

Fall, 1981, and alternate years — 3 hours

EMA 443. 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, 1982, and alternate years — 3 hours

EMA 463. SELECTED WRITINGS OF C. S. LEWIS. A study of Lewis' best-known writings with emphasis on his religious non-fiction and fiction.

Fall, 1980, and alternate years — 3 hours

English Teaching

DET 473. 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.

On demand, by reading and conference — 3 hours

JOURNALISM

JRN 213. SMALL NEWSPAPER. A course that presents the principles of journalism as they apply to the small newspaper. Laboratory experience provided by the college paper.

On demand — 3 hours

JRN 313. SMALL NEWSPAPER. A continuation of JRN 213.

On demand — 3 hours

SPEECH

The Department of English and Speech suggests that a major or minor in theatre-speech would be desirable for a student planning a career in the ministry, religious education, secondary education, law, social work, or public relations.

SPC 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 and drama. *Every semester — 3 hours*

SPC 213. GROUP DISCUSSION. The study of the communicative process as it relates to the theory and techniques of group discussion. Participation in discussion groups. Prerequisite: SPC 113 or permission of instructor.

Every spring on demand — 3 hours

SPC 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, 1980, and alternate years — 3 hours*

SPC 333. COMMUNICATIONS AND THE MEDIA. (Also DRA 333.) A study of communication techniques for mass media, with emphasis on oral communications. Advertising, news reporting, programming, and children's television will be explored. The elements of performance and production in these areas will be included. *Spring, 1981, and alternate years — 3 hours*

SPC 343. ADVANCED PUBLIC SPEAKING. An intense study of the techniques and practice of public speaking. Provision is made for participation in tournament speaking. Prerequisite: SPC 113 or permission of instructor.

Every fall on demand — 3 hours

SPC 353. ORAL INTERPRETATION OF LITERATURE. A study of the methods and techniques of interpretative oral reading of varied types of literature.

Spring, 1981, and alternate years — 3 hours

DRAMA

DRA 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, 1980, Spring, 1982 and alternate years*

DRA 213. INTRODUCTION TO DRAMA. The study of dramatic structure, dramatic literature, period styles, and various types of drama. Actual dramatic experience is provided. *Fall, 1981, and alternate years — 3 hours*

DRA 233. STAGECRAFT AND THEATRICAL DESIGN. The study of set construction, scenery, lighting, and costuming. May be repeated for credit not to exceed six semester hours. *Every semester — 3 hours*

DRA 253. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. (Also REL 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, 1981, and alternate years — 3 hours

DRA 313. HISTORY OF THE THEATRE. Traces the major developments in theatre production from its known beginnings to modern times.

Spring, 1982, and alternate years — 3 hours

DRA 333. COMMUNICATIONS AND THE MEDIA. See SPC 333.

Spring, 1981, and alternate years — 3 hours

DRA 343. REPERTORY ACTING COMPANY. An advanced acting course that emphasizes the techniques of performing, staging, and the professionalism of the theatre. The company will tour various churches, schools, conventions, etc., in and out of state. Restricted to Theatre-Speech majors, this course may be repeated for credit not to exceed nine semester hours.

Every semester — 3 hours

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

Spring, 1982, and alternate years — 3 hours

DRA 433. STAGE LIGHTING AND DESIGN. The art of designing scenery and lighting for the theatre. Students will actively participate in designing college productions and classroom projects.

Fall, 1982, and alternate years — 3 hours

MODERN LANGUAGES

The study of modern languages enlarges the students' awareness and appreciation of other cultures by helping them to develop tools of language which will enable them to pursue new interests. The materials and methods of presentation employed by the department are grounded in the belief that there is a high degree of correlation between one's appreciation of other cultures and one's ability to use their languages.

Language courses should be taken consecutively.

The college grants credit for the first semester of a language only upon the completion of the second semester's work.

In evaluating high school work in a language, the individual instructor determines the level at which students should begin their college languages.

Fourteen hours of one language (or equivalent) are recommended for B.A. degree programs.

Those planning to teach foreign language at secondary level must have 20 semester hours in each foreign language to which they are to be assigned. Additional information may be secured from faculty personnel.

Requirements for a minor in Spanish

SPA 114, 124 Elementary Spanish

8 hours

SPA 213, 223 Intermediate Spanish

6 hours

SPA 343, 414

6 hours

French

FR 114. ELEMENTARY FRENCH. A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.

Fall, on demand — 4 hours

FR 124. ELEMENTARY FRENCH. A continuation of FR 114. Prerequisite: FR 114 or equivalent.

Spring, on demand — 4 hours

FR 213. INTERMEDIATE FRENCH. Review, composition, conversation, and extensive reading. Prerequisite: FR 124.*

Fall, on demand — 3 hours

FR 223. INTERMEDIATE FRENCH. A continuation of FR 213.*

Spring, on demand — 3 hours

German

GER 114. ELEMENTARY GERMAN. A program of individualized study using a text-workbook, practice tapes, films, computer practice, and classroom experience to develop the fundamentals of hearing, speaking, reading, and writing.

Fall, on demand — 4 hours

GER 124. ELEMENTARY GERMAN. A continuation of GER 114. Prerequisite: GER 114 or equivalent.

Spring, on demand — 4 hours

GER 213. INTERMEDIATE GERMAN. Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. Prerequisite: GER 124.*

Fall, on demand — 3 hours

GER 223. INTERMEDIATE GERMAN. A continuation of GER 213.*

Spring, on demand — 3 hours

Spanish

SPA 114. ELEMENTARY SPANISH. A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.
Every fall — 4 hours

SPA 124. ELEMENTARY SPANISH. A continuation of SPA 114. Prerequisite: SPA 114 or equivalent.
Every spring — 4 hours

SPA 213. INTERMEDIATE SPANISH. Grammar review, conversation, composition, and the reading of suitable texts. Prerequisite: SPA 124.*
Every fall — 3 hours

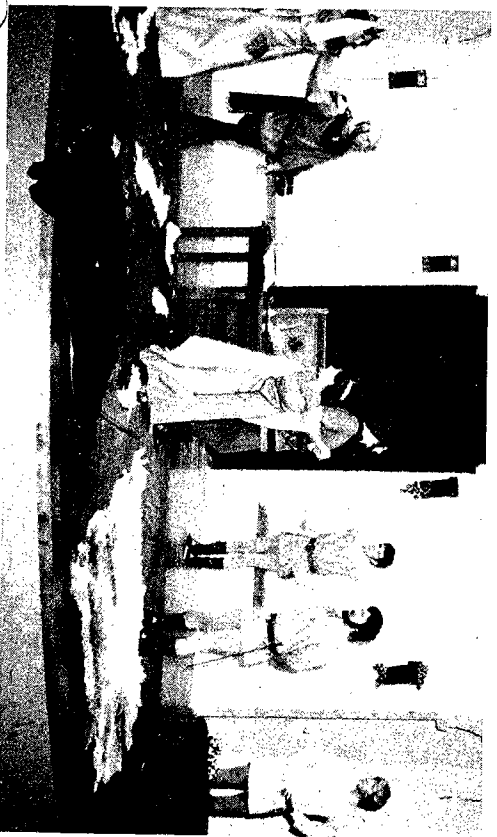
SPA 223. INTERMEDIATE SPANISH. A continuation of SPA 213.*

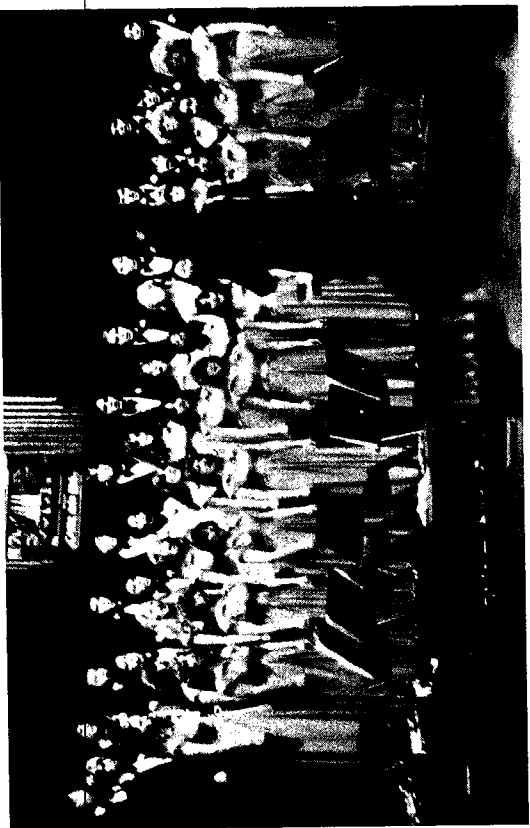
Every spring — 3 hours

SPA 343. SPANISH COMPOSITION THROUGH LITERATURE. A course designed to give the student practice in writing in Spanish about Spanish literature.
Every fall — 3 hours

SPA 413. SPANISH LITERATURE. Designed to expand the students' knowledge Spanish literature and to advance their reading competence. Emphasis on oral self-expression.
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

Church Music

DEPARTMENT OF MUSIC

Courses in the music department are open to non-majors or minors, depending upon proficiency and background, which may be determined by an audition or conference with instructors.

One hour of credit is given for each semester of vocal, instrumental, or piano ensemble. A combined maximum of six hours may be counted toward a degree, with not more than four hours in any one area.

Courses in applied music are very demanding, and students who major or minor in music or who elect to take courses in applied music should be aware at the time they enroll of the demands upon their time for practices and performance.

DEPARTMENT REGULATIONS

Participation in Group Performance

Seven semesters of participation for music majors and three semesters for music minors must be fulfilled in the major ensembles: Wind Ensemble, Orchestra, Stage Band, Oratorio, Choralaires, and Piano Accompanying. 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 MUS 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, Orchestra, and Stage Band are open to all students who are proficient in playing an instrument and who desire to gain experience in the performance of outstanding literature. ~~Students who qualify, by audition with the director, for membership in one of these groups will enroll in INS 101, 111, or 121.~~

Recitals

All applied music students are required to perform, at the discretion of the teacher, in recitals and studio workshops. Schedules and regulations governing these are furnished by the department to applied music students.

Junior Recital. As prerequisite to senior level work, a formal junior recital is required of applied music majors. Two or more students may combine their junior recital program.

Senior Recital. A formal senior recital, individually performed, is required of each degree candidate with an applied music concentration and must be completed not later than two weeks before commencement. A senior is one who is following the prescribed senior course, having completed all senior prerequisites, and who gives evidence of being able to complete his course of study within the year.

Permission for a junior or senior recital must be granted by the music faculty of a medium (voice, instrumental or keyboard) at the preceding semester's jury exam. (See p. 160, *Private Lessons Applied Music Jury Exam.*)

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 either a Junior Recital or Senior Recital and paying the proper fee. (See page 27.)

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 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.

A music major who is taking a total of less than 12 semester hours but more than 6 will attend 50 per cent of the recitals. One taking six hours or less will attend 40 per cent of recitals.

An unsatisfactory record in recital attendance must be made up by fulfilling the designated number of recital performances. This may be done at other college or university recitals and programs or attending six classical artist concerts for each semester in which a grade of unsatisfactory has been received. 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 classical artist concerts each semester. Minors must attend two artist concerts.

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. Lessons missed during tours, trips or holidays are not required to be made up.

Change of Teacher or Concentration. A student who desires to change applied music teacher or concentration makes written request to the Chairman of the Department and a conference is scheduled with the music faculty.

Applied Music Jury Examination. All Music, Church 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 and church music majors who do not elect to take a keyboard concentration. Primary emphasis is placed on basic technique, sight-reading, harmonization, and appropriate literature. Proficiency may be attained by taking a three semester class piano sequence or portions thereof.

Students with a keyboard background may not need to take all or any sections of the sequence. A statement of requirements for proficiency is available from the music office. It is highly recommended that the student complete his or her piano proficiency requirements within the first two years of college study. Upon completion of the examination, the student will be enrolled that same semester in PNO 110 by his or her instructor so that his/her transcript will indicate successful completion.

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 of audited ensembles.
- b. ~~For piano or organ concentrations, a minimum of two semesters of laboratory in accompanying.~~
3. MED 333 and 413. Music in Elementary School, Junior and Senior High School
4. Satisfactory record in recital attendance.

Music Scholarships

Unless otherwise informed by the director, students on voice scholarships are required to participate in Chorales; instrumentalists, in Wind Ensemble; and keyboardist, in Studio Accompanying. All students who receive music scholarships are referred to page 38, Special Abilities Scholarships.

DEGREE PROGRAMS

Requirements for a major in Music

(B.A. Degree)

A student who desires to earn a Bachelor of Arts degree with a major in Music may choose one of seven fields of concentration:

1. Instrumental (orchestral) Concentration	16 hours
INS 131, 132, 331, 332 Private Instrument	16 hours
MUS 114, 124, 214, and 224 Theory	6 hours
MUS 333, 343 Music History	4 hours
Piano, Organ*	2 hours
MUS 422*** Music Literature	0 hours
MUS 300, 400 Junior, Senior Recital	4 hours
INS 101 or INS 111 Wind Ensemble or Orchestra	
(7 semesters participation; extracurricular participation in choral music is recommended)	
(MUS 111 Choral Music recommended)	
	Audit
	48 hours

2. **Organ Concentration**

ORG 131, 132, 331, 332 Private Organ	16 hours
MUS 114, 124, 214, and 224 Theory	16 hours
MUS 333, 343 Music History	6 hours
ORG 431 Organ Literature	1 hour
MUS 422 *** Music Literature	2 hours
MUS 300, 400 Junior, Senior Recital	0 hours

Ensemble (7 semesters participation, preferably Wind Ensemble, Orchestra, and choral Music)

4 hours
45 hours

3. Piano Concentration

PNO 131, 132, 331, 332 Private Piano 16 hours
 MUS 114, 124, 214, 224 Music Theory 16 hours
 MUS 333, 343 Music History 6 hours
 MUS 422*** Music Literature 2 hours
 MUS 300, 400 Junior, Senior Recital 0 hours
 Ensemble (7 semesters participation, Wind Ensemble or Orchestra) Piano Accompanying 2 hours
 Choral Music 2 hours
44 hours

4. Theory Concentration

MUS 114, 124, 214, 224 Music Theory 16 hours
 MUS 313 Counterpoint 3 hours
 MUS 323 Form and Analysis 3 hours
 MUS 333, 343 Music History 6 hours
 MUS 402 Modern Harmony 2 hours
 Piano, Organ 4 hours
 Additional Applied Music (3 hours composition) 4 hours
 MUS 422*** Music Literature 2 hours
 MUS 300, 400 or a suitable composition 0 hours
 Ensemble (7 semesters participation in Wind Ensemble, Orchestra, or Choral music) 4 hours
44 hours

5. Voice Concentration

VOI 111, 121, 131, 132, 331, 332 Lessons 16 hours
 VOI 101, 201 Diction (taken concurrently with first two semesters of voice lessons) 2 hours
 MUS 114, 124, 214, 224 Music Theory 16 hours
 MUS 333, 343 Music History 6 hours
 Piano, Organ* 4 hours
 MUS 300, 400 Junior, Senior Recital 0 hours
 MUS 111 Choral Music (7 semesters participation) 4 hours
 Extracurricular participation in Instrumental Ensembles recommended

48 hours

6. Classical Guitar

GTR 141, 142, 341, 342 Classical Guitar	14 hours
GTR 151, 152, 351, 352 Studio Guitar	2 hours
MUS 114, 124, 214, 224 Music Theory	16 hours
Piano*	4 hours
MUS 300, 400 Junior, Senior Recitals	0 hours
MED 372 Choral, Conducting	2 hours
MUS 422 Music Literature**	2 hours
Ensembles in Chamber Music, Quartet, Orchestra (7 semesters participation)	<u>4 hours</u>
	44 hours

7. Studio Guitar

GTR 151, 152, 351, 352 Studio Guitar	12 hours
GTR 141, 142, 341, 342 Classical Guitar	4 hours
MUS 114, 124, 214, 224 Music Theory	16 hours
MUS 333, 343 Music History	6 hours
MUS 300, 400 Junior, Senior Recitals	0 hours
MED 312 Instr. Music Organizations	2 hours
Piano	3 hours
INS 311 Jazz Improvization	1 hour
MED 372 Choral Conducting	2 hours
Ensemble: Jazz band or Stage band (7 semesters participation)	<u>4 hours</u>
	50 hours

*Student must successfully complete a Piano Proficiency Exam.

**Courses in French or German recommended.

***This course may be waived by passing a Music Literature Exam.

Requirements for a minor in Music

The student may choose one of the following fields of concentration:

1. Orchestral Instrument

INS 131, 132, 331, 332 Private Instrument	4 hours
Piano, Organ	3 hours
MUS 114 Beginning Theory I	4 hours
MED 372 Choral Conducting	2 hours
INS 101 or INS 111 Wind Ensemble and/or Orchestra	3 hours
MUS 333 Music History I	<u>3 hours</u>
	19 hours

2. Piano or Organ

Piano, Organ Private Lessons

VOI 111, 121, 131, 132, 331, 332 Voice Lessons

4 hours

MUS 114 Beginning Theory I

3 hours
4 hours

MED 372 Choral Conducting

2 hours

MUS 111 Choral Music, or

INS 101 Wind Ensemble, or

INS 111 Orchestra, or

PNO 411 Accompanying

MUS 333 Music History I

3 hours
3 hours
19 hours**3. Voice**

VOI 111, 121, 131, 132, 331, 332 Private Lessons

4 hours

VOI 101, 201 Diction (taken concurrently with

first two semesters of voice

2 hours

Piano, Organ

MUS 114 Beginning Theory I

3 hours

MED 372 Choral Conducting

4 hours

MUS 111 Choral Music

2 hours

MUS 333 Music History I

3 hours

3 hours
21 hours**Requirements for a major in Music Education**

(For persons planning to teach public school music)

(B.S. Degree)

One who desires to work toward certification for teaching music in elementary or high school works toward the Bachelor of Science, following the General Education Program for Teacher Education as outlined on page 107. For the major in music education, one meets all the requirements listed below in Category I and the requirements in one of the fields of concentration listed in Category II. The student also meets the requirements for Elementary or Secondary Certificate (see pages 108-109) which, together with the requirements for the major in music education, will entitle the graduate to a K-12 Endorsement to teach music in public schools. Before being admitted to student teaching in music, one must also meet the Music Department prerequisites to student teaching (see page 161).

A minor is not required for students receiving secondary certification.

Category I. The student takes all of these courses:

MED 333 Music in the Primary & Elementary Grades	3 hours
MED 413 Music in Junior and Senior High School	3 hours
MED 211 Brass Instrument Class	1 hour
MED 221 String Instrument Class	1 hour
MED 231 Woodwind Instrument Class	1 hour
MED 241 Percussion Instrument Class	1 hour
MED 372, 382 Choral and Advanced Conducting	4 hours
MUS 114, 124, 214, 224 Theory	16 hours
MUS 323 Form and Analysis	3 hours
MUS 333, 343 Music History	6 hours
MUS 422* Music Literature	2 hours
GTR 111 Class Guitar	<u>1 hour</u>
	42 hours

Category II. The student selects one of these areas of concentration:

1. **Orchestral Instrument Concentration**

INS 131, 132, 331, 332 Private Instrument Piano, Organ**	8 hours
MED 312 Instrumental Music Organizations	3 hours
INS 111 Wind Ensemble, Orchestra or Band (7 semesters of participation)	2 hours
	<u>4 hours</u>
	17 hours

2. **Organ Concentration**

ORG 131, 132, 331, 332 Private Organ	8 hours
VOI 111, 131, 132, 331, 332 Private Voice	3 hours
MUS 313 Counterpoint	3 hours
Ensembles: PNO 411 Accompanying Others (5 semesters participation in Instrumental, Choral, Piano)	2 hours
	<u>2 hours</u>
	18 hours

3. **Piano Concentration**

PNO 131, 132, 331, 332 Private Piano	8 hours
VOI 111, 121, 131, 132, 331, 332 Private Voice	3 hours
MUS 313 Counterpoint	3 hours
PNO 411 Piano Accompanying	2 hours
Ensembles (5 semesters participation in instrumental, choral, piano)	<u>2 hours</u>
	18 hours

4. **Theory Concentration**

MUS 313 Counterpoint	3 hours
MUS 402 Modern Harmony	2 hours
MUS 333, 343 Music History	6 hours

COM 131, 132, 331, 332 Composition

(a suitable composition will substitute for recitals)

Piano, Organ**

Additional Applied Music

3 hours

3 hours

2 hours

Ensembles (7 semesters participation in

Choral Music, Wind Ensemble, Orchestra)

4 hours
23 hours

5. Voice Concentration

VOI 111, 121, 131, 132, 331, 332 Private Voice

VOI 101, 201 Vocal Diction (Taken concurrently

with first two semesters of Voice)

Piano, Organ**

MED 402 Vocal Pedagogy

MUS 111 Choral Music (7 semesters participation)

Participation in Instrumental Ensemble recommended

4 hours
19 hours

6. Guitar Concentration

Guitar

GTR 141, 142, 341, 342 Classical Guitar

GTR 151, 152, 351, 352 Studio Guitar

Piano

MUS 300, 400 Junior, Senior Recitals

MED 312 Instrumental Music Organizations

INS 311 Jazz Improvization

Ensembles: Jazz Ensemble or Stage band

(7 semesters participation)

4 hours
19 hours

A suitable composition will serve as a recital unless the student chooses to do an applied music recital.

* This course may be waived by passing an examination in Music Literature.

** Student must successfully complete the Piano Proficiency Examination.



Requirements for a minor in Music Education

The student may choose one of the following fields of concentration:

1. Orchestral Instrument Concentration

INS 131, 132, 331, 332 Private Lessons	3 hours
Piano, Organ	2 hours
MUS 114 Beginning Theory I	4 hours
MED 372 Choral Conducting	2 hours
MED 333 Music in Primary & Elem Grades or	
MED 413 Music in Jr & Sr High School	3 hours
MED 221, 231, 241 Brass, String,	
Woodwind, Percussion classes	2 hours
INS 101 or INS 111 Wind Ensemble or Orchestra	<u>3 hours</u>
	19 hours

2. Piano or Organ Concentration

ORG/PNO 131, 132, 331, 332 Private lessons	3 hours
VOI 111, 121, 131, 132, 331, 332 Private Voice	2 hours
MUS 114 Beginning Theory I	4 hours
MED 372 Choral Conducting	2 hours
MED 333 Music in Primary & Elem Grades or	
MED 413 Music in Jr & Sr High School	3 hours
MED 211, 221, 231, 241 Brass, String,	
Woodwind, Percussion classes	2 hours
Choral Music, Wind Ensemble,	
Orchestra, Piano Accompanying	

3. Voice

VOI 111, 121, 131, 132, 331, 332	
VOI 101, 201 Diction (must be taken concurrently with first two semesters of voice)	
Piano, Organ	3 hours
MUS 114 Elementary Theory I	
MED 372 Choral Conducting	2 hours
MED 333 Music in Primary & Elem Grades or	2 hours
MED 413 Music in Jr & Sr High School	4 hours
MUS 211, 221, 231, 241 Brass, String,	2 hours
Woodwind, Percussion classes	
MUS 111 Choral Music	3 hours
	2 hours
	<u>3 hours</u>
	21 hours

It is recommended that all Music Education minors take, as electives, MUS 422 Music Literature and the two instrument classes which are not taken as requirements.

Requirements for a Major in Church Music

(B.A. Degree)

This program is for those who plan a career as Minister of Music in the church. The student takes all courses in Category I and selects an area of concentration from Category II.

Category I. (The student takes all of these courses.)

CMU 363 Literature and Worship	3 hours
CMU 373 History & Liturgy	3 hours
CMU 383 Church Music Seminar/Practicum	2 hours
CMU 393 Hymnology	3 hours
MED 333 Music in Elem Grades	3 hours
MED 211, 221, 231, 241 Brass, String, Woodwind, Percussion classes	2 hours
MUS 114, 124, 214, 224 Theory	16 hours
MED 372, 382 Choral and Advanced Conducting	4 hours
MUS 313 Counterpoint	3 hours
MUS 323 Form and Analysis	3 hours
MUS 333, 343 Music History I, II	6 hours
MUS 422* Music Literature	2 hours
GTR 111 Class Guitar	<u>1 hour</u>
	<u>51 hours</u>

Category II. (The student selects one area of concentration.)

1. **Orchestral Instrument**

INS 131, 132, 331, 332 Private Instrument	16 hours
Piano, Organ**	3 hours
VOI 111, 121, 131, 132, 331, 331 Private Voice	3 hours
MUS 300, 400 Junior, Senior Recital	0 hours
Ensembles: INS 101, 111 Wind Ensemble, Orchestra	4 hours
Recommended: Instrumental or Vocal Ensemble	
	<u>26 hours</u>

2. Organ

ORG 131, 132, 331, 332 Private Organ	16 hours
VOI 111, 121, 131, 132, 331, 332 Private Voice	3 hours
MUS 300, 400 Junior, Senior Recital	0 hours
PNO 411 Accompanying	2 hours
Ensembles (5 semesters participation in Choral Music, Wind ensemble, or Orchestra)	<u>2 hours</u> 23 hours

3. Piano

PNO 131, 132, 331, 332 Private Piano	16 hours
VOI 111, 121, 131, 132, 331, 332 Private Voice	3 hours
MUS 300, 400 Junior, Senior Recital	0 hours
PNO 411 Accompanying	2 hours
Ensembles (5 semesters participation in Choral Music, Wind Ensemble, Orchestra)	<u>2 hours</u> 23 hours

4. Theory

MUS 402 Modern Harmony	2 hours
COM 131, 132, 331, 332 Composition	6 hours
VOI 111, 121, 131, 132, 331, 332 Private Voice	4 hours
Additional Applied Music (VOI, PNO, ORG, INS)	4 hours
MUS 300, 400 Junior, Senior Recital or suitable composition	0 hours
Piano, Organ**	3 hours
Ensemble: MUS 111 Choral Music (2 sem.)	2 hours
Instrumental (5 sem.)	<u>2 hours</u> 23 hours

5. Voice

VOI 111, 121, 131, 132, 331, 332 Private Lessons 16 hours
 VOI 101, 201 Vocal Diction 2 hours

Piano, Organ**

MUS 300, 400 Junior, Senior Recital 3 hours
 MED 402 Vocal Methods and Pedagogy 0 hours
 MUS 111 Choral Music (7 semesters) 2 hours
 Participation in instrumental ensembles recommended 4 hours
Audit
 27 hours

* This course may be waived by passing a Music Literature Examination.

** Students must successfully complete a Piano Proficiency Examination.

MUSIC

MUS 111. CHORAL MUSIC. Successive semesters of choral music. May be repeated for credit not to exceed four hours for credit toward graduation (see page 158). 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. Collegium a Cappella is also selected from Choral Music.

Every semester — 1 hour

MUS 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

MUS 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: MUS 112 or 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

MUS 124. ELEMENTARY THEORY OF MUSIC. A continuation of MUS 114. Prerequisite: MUS 114 (or equivalent).

Every spring — 4 hours

MUS 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: MUS 124 (or the equivalent).
Every fall — 4 hours

MUS 224. ADVANCED THEORY OF MUSIC. A continuation of MUS 214. Prerequisite: MUS 214 (or equivalent).
Every spring — 4 hours

MUS 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

MUS 313. COUNTERPOINT. A practical study of 16th to 18th century counterpoint in its various species in two to four part writing. Reference is made to early polyphonic music as background. Students write inventions and fugues in manner of J. S. Bach. Prerequisite: MUS 224.
Every fall — 3 hours

MUS 323. FORM AND ANALYSIS. A study of the various structure forms in musical composition, from motive, phrase and period, through binary and ternary forms to the most complex, such as variation, rondo, and sonata forms. Works of the masters are analyzed from the standpoint of form. Prerequisite: MUS 224.
Every spring — 3 hours

MUS 333. MUSIC HISTORY I. A survey of music from primitive times to the early 19th 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 through the Classical Period of Haydn, Mozart, and Beethoven.
Every fall — 3 hours

MUS 343. MUSIC HISTORY II. A continuation of MUS 333 from the 19th century to modern times. Study is devoted to the art song, the nationalist schools, the principal composers of the romantic and modern periods, and masterpieces of these periods.
Every spring — 3 hours

MUS 353. OPERA WORKSHOP. Participation in production of a full-length opera, two one-act operas or opera scenes. Activities in all phases of opera production (set design, costuming, make-up, staging, publicity).
Every fall — 3 hours

MUS 402. MODERN HARMONY. An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing.
Every spring — 2 hours

MUS 422. MUSIC LITERATURE. A survey of music literature including masterworks of chamber music, symphony, concerto, choral music, and opera, with emphasis on style and aesthetics. Prerequisites: MUS 333 and 343.
Every fall — 2 hours

MUSIC EDUCATION

MED 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

MED 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

MED 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

MED 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

MED 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

MED 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

MED 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*

MED 382. ADVANCED CONDUCTING. A continuation of Music Education 372, but with more attention given to instrumental music. Includes a study of choral and instrumental literature. Emphasis is placed on score reading, artistic interpretation and the conducting of marches, overtures, symphonies, etc. Prerequisite: MED 372. *Every spring — 2 hours*

MED 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*

MED 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: MUS 112 or consent of instructor. *Every spring — 3 hours*

GUITAR

GTR 111. CLASS GUITAR. Class instruction for beginners in playing the guitar.

Every semester — 1 hour

GTR 141, 142, 341, 342. CLASSICAL GUITAR. A series of courses designed to prepare the student for classical performance. Techniques and scales are studied, along with various styles and composers. Private instruction.

Every semester — 1 hour

GTR 151, 152, 351, 352. STUDIO GUITAR. A series of courses designed to prepare the student for professional studio performance. Concentration on varied styles and improvisation. Private instruction.

Every semester — 1 hour

INSTRUMENTAL MUSIC

INS 101. 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 158).

Every semester — 1 hour

INS 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 158). By audition. *Every semester — 1 hour*

INS 121. STAGE BAND. Performance of concert literature written for the stage band. For credit or audit, not to exceed four hours toward graduation (see page 158). *Every semester — 1 hour*

INS 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*

INS 311. JAZZ IMPROVIZATION. A course designed to introduce the student to improvising, with emphasis on scales, modes, and arpeggios. Prerequisite: MUS 114 or consent of instructor. *Every semester — 1 hour*

ORGAN

Students normally must have completed approximately six years of piano study 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.

ORG 111. CLASS ORGAN. Class instruction in elementary organ for students with no previous organ training. *Every fall — 1 hour*

ORG 121. CLASS ORGAN. A continuation of ORG 111.

Every spring — 1 hour

ORG 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, Vierné, and modern composers. Attention is ultimately given to accompaniment for solos, cantatas, etc., and preparation for junior and senior recitals. Course number and amount of credit are based upon the amount of instruction and practice required. *Every semester — 1 hour or 2 hours*

ORG 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.

On demand — 1 hour

PIANO

PNO 101. BASIC PIANO PLAYING. Private instruction for the nonmusic major with no previous piano training. A jury examination at the end of the semester is not required. May be repeated to maximum of four hours. Prerequisite: consent of instructor.

Every semester — 1 hour

PNO 110. COMPLETION OF PIANO PROFICIENCY. Students are automatically enrolled for this course number by their instructor during the semester in which they complete the piano proficiency requirements so that a record can be made on their transcript.

Every semester — No Credit

PNO 111, 112, 113. CLASS PIANO. Class instruction in basic piano playing for music majors with no previous piano training. Primary emphasis is placed on basic technique, sight-reading, harmonization, and appropriate literature. This sequence is designed to help students meet the requirements for the piano proficiency examination.

Every semester — 1 hour

PNO 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 J.S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy, Prokofiev, and other outstanding composers. Preparation is 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 or 2 hours

PNO 411. STUDIO ACCOMPANYING. A study and application of accompanying techniques in vocal and instrumental music. Students will be assigned a vocalist or instrumentalist to work with for the semester. Two semesters required of piano majors.

Every semester — 1 hour

VOICE

VOI 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

VOI 121. CLASS VOICE II. A continuation of VOI 111.

Every spring — 1 hour

VOI 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

VOI 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

VOI 201. VOICE DICTION II. Same procedure as Voice 101, except devoted to French and German.

Every spring — 1 hour

CHURCH MUSIC

CMU 363. LITERATURE AND WORSHIP. A survey of choral literature for the church, i.e., anthems, solos, canatas, and oratorios, and the relation of these to the elements of worship.

Every fall — 3 hours

CMU 373. A HISTORY OF CHURCH MUSIC AND LITURGY. A historical survey of church music in the ancient world to the present day with reference to liturgies and their influence on church music.

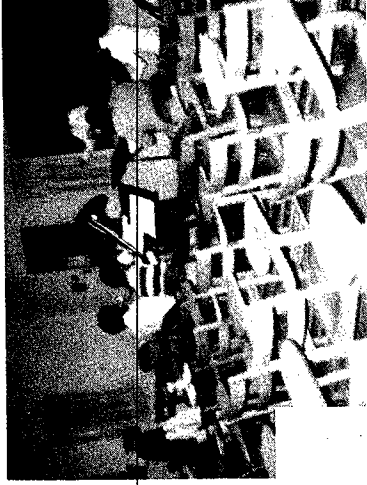
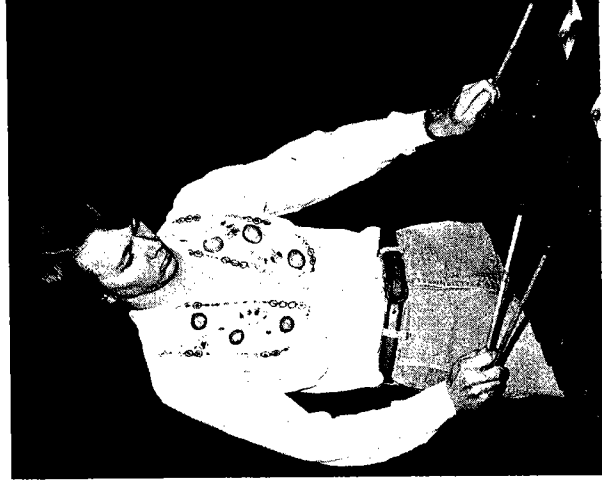
Every fall — 3 hours

CMU 383. CHURCH MUSIC SEMINAR — PRACTICUM. A study of theory and practice of the music ministry in the local church with emphases on philosophy, administration, graded choir methods, organ orientation, musical drama, and basic electronic media skills. Lectures by outstanding guest authorities. The student will spend an internship of eight weeks in a local church with an eligible minister of music, observing and putting into practice graded choir techniques.

Every spring — 2 hours

CMU 393. HYMNOLOGY. A survey is made of hymnody during the history of the Christian church in order to bring about a more meaningful use of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnody. No musical background is required for this course, which is recommended for theology and religious education students.

Every spring — 3 hours



Department of

**NATURAL SCIENCES
AND MATHEMATICS**

Biology

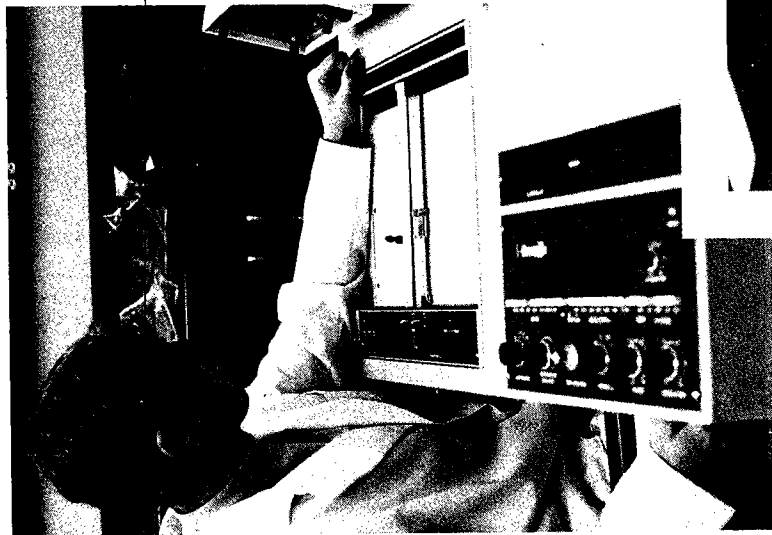
Chemistry

Environmental Science

Physics

Mathematics

Computer Science



DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

The Department of Natural Sciences and Mathematics, as an integral part of the liberal arts foundation of Grand Canyon College, endeavors to provide every student with a broad introduction to science and mathematics at the college level. It stresses the spirit and method of science and the concepts and contributions of mathematics. It focuses attention on the social, economic, and political implications of these areas of knowledge.

The department provides appropriate courses for students who desire to specialize in the fields of biology, chemistry, environmental science, computer science, or mathematics and seeks to prepare qualified students for graduate study in these disciplines, or for professional training in medicine, dentistry, veterinary medicine, or pharmacy.

Career opportunities at the bachelor's level include teaching, chemical analysis, computer programming, industrial research and development, statistics, field biology, among many others. Although degrees are not offered in nursing, medical technology, nutrition, or physical therapy, students may complete the basic science courses required for these programs during the first two years at Grand Canyon College.

Competency Examination in Major Area

The Advanced Graduate Record Examination in a student's major area is required of all graduates in the Department. Each degree candidate must also enroll in the Senior Seminar for at least one semester during the senior year.

**Requirements for Pre-Medicine, Pre-Dentistry, Pre-Veterinary Medicine,
or Pharmacy**

Students who plan to apply for admission to medical, dental, veterinary medicine, or pharmacy schools may major in any field but should complete the following courses:

BIO 214, 224 Zoology	8 hours
CHE 114, 124 General Chemistry	8 hours
CHE 324, 334 Organic Chemistry	8 hours
PHY 114, 124 General Physics	8 hours
MAT 153, 163 Calculus	6 hours

Since other courses may be required by particular schools, students are encouraged to determine these requirements early in their undergraduate careers. The department recommends electives from the following list: BIO 324, 334, 344, 444; CHE 314, 354, 424, 434; PSY 213; SOC 213.

Requirements for a major in Biology

(B.S. Degree)

BIO 214, 224 Zoology I, II	8 hours
BIO 324 Genetics	4 hours
BIO 334 Human Physiology	4 hours
BIO 344 Microbiology	4 hours
BIO 444 Comparative Anatomy	4 hours
Electives in Biology	6 hours
CHE 114, 124 General Chemistry	8 hours
PHY 144 or 124	4 hours
Math elective	3 hours

Requirements for a minor in Biology*

BIO 214 or 224 Zoology I or II	4 hours
BIO 334 Human Physiology	4 hours
BIO 344 Microbiology	4 hours
Electives in Biology	6 hours

Requirements for a major in Chemistry

(B.S. Degree)

CHE 114, 124 General Chemistry I, II	8 hours
CHE 324, 334 Organic Chemistry I, II	8 hours
CHE 314 Analytical Chemistry	5 hours
CHE 354 Biochemistry	4 hours
CHE 424, 434 Physical Chemistry I, II	8 hours
MAT 153, 163 Calculus I, II	6 hours
PHY114, 124 General Physics	8 hours

Requirements for a minor in Chemistry*

CHE 114, 124 General Chemistry I, II	8 hours
CHE 324, 334 Organic Chemistry I, II	8 hours
Elective in Chemistry	4 hours

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

EVS 264 Ecology and Conservation	4 hours
EVS 364 Atmospheric Science	4 hours
EVS 374 Aquatic Ecology	4 hours
EVS 384 Human Ecology	4 hours
Electives in Environmental Science	14 hours

Requirements for a minor in Environmental Science*

EVS 264 Ecology and Conservation	4 hours
EVS 384 Human Ecology	4 hours
Electives in Environmental Science	10 hours

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

MAT 153, 163, 223, 233; Calculus I, II, III, IV	12 hours
Mathematics electives from 213 and upper division	18 hours
Computer Science (upper division)	3 hours
PHY 114, 124 General Physics	8 hours

Requirements for a minor in Mathematics*

MAT 153, 163 Calculus I, II	6 hours
Electives from MAT 213, 223, 233, or	
Computer Science (3 hours)	6 hours
Upper division electives in Mathematics	6 hours

Requirements for a minor in Computer Science*

CS 133 Intro. to Computer Science	3 hours
CS 223 COBOL	3 hours
CS 303 FORTRAN	3 hours
CS 403 Assembly Language	3 hours
CS 413 Data Structures and Programming Languages	3 hours
MAT 363 Probability and Statistics	3 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.

Requirements for a Teaching Minor in Science

The Teaching Minor in Science is designed to give prospective teachers a broad introduction to science rather than a specialization in one field. It is particularly useful for teachers in grades 4-8 who will be teaching both life and physical sciences.

BIO 214 or 224 Zoology	4 hours
CHE 114 General Chemistry	4 hours
PHY 144 Physics for Liberal Arts	4 hours
Biology elective	4 hours

Electives in environmental science, biology, chemistry, or physics

8 hours

PROGRAM SCHEDULES

The following guides are designed to aid the student in planning each year for progress toward the completion of a degree program.

Biology Major

Freshman Year	Sophomore Year	Junior Year	Senior Year
Fall Semester			
BIB 113	History elective 3	Art or Music 2	Biology elective 4
EEW 113	P.E. activity 1	BIO elective 4	
P.E. activity 1	BIO 234	CHE 324*	
BIO 214	CHE 114		
Math elective 3			
Spring Semester			
BIB 123	HIS elective 3	Biology elective 4	Biology elective 4
EEW 123	P.E. activity 1	CHE 334*	
P.E. activity 1	BIO 324	PHY 144	
BIO 224	CHE 124		
Math elective 3			

Pre-Professional Program

Fall Semester			
BIB 113	History elective 3	Art or Music 2	PSY 213*
EEW 113	P.E. activity 1	Math elective 3*	SOC 213*
P.E. activity 1	MAT 153		Biology elective 4
	BIO 334*	CHE 314*	Chemistry elective 4
CHE 114	CHE 324	PHY 114	
BIO 214			

Spring Semester

BIB 123	History elective 3	Math elective 3*	Biology elective 4
EEW 123	P.E. activity 1	BIO 334*	Chemistry elective 4
P.E. activity 1	MAT 163	CHE 354*	
CHE 124	BIO 324*	PHY 124	
BIO 224	CHE 334		

Chemistry Major**Fall Semester**

BIB 113	History elective 3	Art or Music 2	CHE 424
EEW 113	P.E. activity 1	CHE 314	German*
P.E. elective 1	CHE 324	CS 303*	
MAT 153	MAT 223*	Biology elective *	
CHE 114	PHY 114		

Spring Semester

BIB 123	History elective 3	CHE 354	CHE 434
EEW 123	P.E. activity 1	Biology elective*	German*
P.E. activity 1	CHE 334		
CHE 124	MAT 233*		
MAT 163	PHY 124		

Environmental Science Major**Fall Semester**

BIB 113	History elective 3	Art or Music 2	EVS 464
EEW 113	P.E. activity 1	EVS 364	
P.E. activity 1	EVS 264	CHE 314*	
	EVS 234	Math elective 3*	

BIO 214*

CHE 114*

Spring Semester

BIB 123	History elective 3	EBS 374	Env. Sci. elective 4
EEW 123	P.E. activity 1	EVS elective 4	
P.E. activity 1	EVS 384	Math elective 3*	
BIO 224*	CHE 124*		

Mathematics Major

Fall Semester

BIB 113	History elective 3	Art or Music 2	MAT 333 or 433
EEW 113	P.E. activity 1	MAT 333 or 433	
P.E. activity 1	MAT 223	MAT 373*	
	MAT 213*		
MAT 153	Computer Sci. 3		
	PHY 114		

Spring Semester

BIB 123	History elective 3	MAT 343 or 413	MAT 343 or 413
EEW 123	P.E. activity 1	MAT 363	
P.E. activity 1	Math 233		
MAT 163	PHY 124		

*suggested

MATH-SCIENCE FOR GENERAL STUDIES

The purpose of the Scientific Foundations of Life in General Studies (see pages 83 and 84) is to provide each student with the opportunity to study the basic concepts of science and mathematics as they apply to everyday life, and to study some depth at least one area of science through the completion of a laboratory experience. A student may accomplish these goals through the successful completion of any mathematics course and any laboratory science course including SCI 114.

SCI 114. SCIENCE FOR LIBERAL ARTS. A study of the historical and philosophical foundations of mathematics and science. Emphasis on concepts of science and their application to modern life. The laboratory requirement is met by participation in a 3-day field trip to northern Arizona.

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, for graduate study in biology, or for teaching biology at the secondary school level. With additional work in chemistry and mathematics,

The biology major is prepared for professional schools of medicine or health sciences, for careers as medical assistants, laboratory technicians, or other paramedical vocations.

BIO 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

BIO 214. GENERAL ZOOLOGY I. Principles of metabolism, reproduction, development, evolution, and a systematic survey of the animal kingdom through the Echinoderms. Laboratory emphasis upon metabolism, embryology, and genetics.
Every fall — 4 hours

BIO 224. ZOOLOGY II. Survey of the chordates with emphasis upon the vertebrates, human anatomy and physiology, and a study of ecological principles. Laboratory emphasis on dissection of representative vertebrates. No prerequisite.

Every spring — 4 hours

BIO 264. ECOLOGY AND CONSERVATION. See EVS 264.

BIO 324. GENETICS AND EUGENICS. (Also EVS 324.) A study of the principles of heredity including molecular aspects, basic Mendelian genetics, eugenics, and population genetics. Laboratory experiences illustrate genetic principles using *Protophila melanogaster* and other materials. Prerequisite: BIO 114 or 214.

Spring, 1982, and alternate years — 4 hours

BIO 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

BIO 344. MICROBIOLOGY. (Also EVS 344.) 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: BIO 114 or 214.

Every fall — 4 hours

BIO 354. MOLECULAR BIOLOGY. See CHE 354. **BIOCHEMISTRY.**

BIO 374. AQUATIC ECOLOGY. See EVS 374.

BIO 384. HUMAN ECOLOGY. See EVS 384.

BIO 444. COMPARATIVE ANATOMY. Principles of chordate anatomy with emphasis upon study of comparative vertebrate structures. Laboratory emphasis upon dissection of representative vertebrates. Prerequisite: BIO 224.

Fall, 1980, and alternate years — 4 hours

BIO 454. EMBRYOLOGY. Principles of the developmental processes of vertebrates with the emphasis upon mammalian embryology. Laboratory includes living starfish, chick and fish embryos, and a survey of the microscopic anatomies of vertebrate embryos. Prerequisite: BIO 214.

Fall, 1981, and alternate years — 4 hours

BIO 399. PRACTICUM. See page 76.

Every semester — 1-4 hours

BIO 499. INDEPENDENT STUDY. See page 76.

Every semester — 1-4 hours

CHEMISTRY

CHE 114. GENERAL CHEMISTRY. Principles of modern chemistry. Topics include atomic theory, chemical bonding, stoichiometry, equilibria, and the properties of matter in various physical states. Prerequisite: High school algebra.

Every fall — 4 hours

CHE 124. GENERAL CHEMISTRY. Continuation of CHE 114. Topics include thermodynamics, kinetics, electrochemistry, descriptive chemistry of the elements, and introductions to organic and biochemistry. Prerequisite: CHE 114.

Every spring — 4 hours

CHE 314. ANALYTICAL CHEMISTRY. Principles of quantitative and instrumental analysis. Topics include titrametric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. Prerequisite: CHE 124.

Every fall — 5 hours

CHE 324. ORGANIC CHEMISTRY. Synthetic, structural, mechanistic, and spectroscopic aspects of aliphatic and aromatic carbon compounds are covered. Prerequisite: CHE 124.

Every fall — 4 hours

CHE 334. ORGANIC CHEMISTRY. Continuation of CHE 324. Topics include chemistry of the functional groups and biochemical processes. Prerequisite: CHE 324.

Every spring — 4 hours

CHE 354. BIOCHEMISTRY. (Also BIO 354, Molecular Biology.) A study of the molecular basis of life, including the chemistry of living systems. Prerequisite: CHE 324.
Every spring — 4 hours

CHE 424. PHYSICAL CHEMISTRY. A study of the physical and chemical behavior of gases, liquids, solids, and solution. Treatment includes thermodynamics, electrochemistry, and kinetic molecular theory of ideal and non-ideal cases. Prerequisite: MAT 163.
Every fall — 4 hours

CHE 434. PHYSICAL CHEMISTRY. Continuation of CHE 424. Development of modern atomic theory with emphasis on quantum theory and molecular spectroscopy. Prerequisite: CHE 424.
Every spring — 4 hours

CHE 399. PRACTICUM. See page 76. *Every semester — 1-4 hours*

CHE 499. INDEPENDENT STUDY. See page 76. *Every semester — 1-4 hours*

ENVIRONMENTAL SCIENCE

The study of environmental science is highly interdisciplinary in nature; therefore, many of the courses in environmental science are offered through other departments of the College. The four courses listed in Requirements for a major in Environmental Science (p. 183) 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 majors should develop strengths in one or more related disciplines such as biology, chemistry, mathematics, social or health sciences.

EVS 104. ASTRONOMY. A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the non-scientific student, designed to develop an appreciation and understanding of the natural laws of the universe. Field experiences are included.

Every fall — 4 hours

EVS 114. GENERAL GEOLOGY. An introduction to physical and historical geology with an emphasis on the geology of Arizona. The relation of geology to man's cultural and economic development. Field and laboratory experiences.

Every spring — 4 hours

EVS 264. ECOLOGY AND CONSERVATION. (Also BIO 264.) The introductory course in environmental science. The basic concepts of ecology are covered, with emphasis on terrestrial communities. Principles and concepts of resource and energy conservation. Laboratory and field experiences illustrate conservation and demonstrate environmental survey techniques.
Every fall — 4 hours

EVS 364. ATMOSPHERIC SCIENCE. A study of the earth's atmosphere, including composition, movement, weather and other meteorologic phenomena. The study of air pollution, the impact of pollution on the environment, and methods of pollution control.
Every fall — 4 hours

EVS 374. AQUATIC ECOLOGY. (Also BIO 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: BIO 214.

Every spring — 4 hours

EVS 384. HUMAN ECOLOGY. (Also BIO 384 and SOC 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

EVS 473. ADVANCED TOPICS IN ENVIRONMENTAL SCIENCE. Each semester a different advanced topic will be offered: water quality control, air quality control, environmental law, energy systems planning, and other appropriate subjects.
Every semester — 3 hours

EVS 399. PRACTICUM. See page 76.

Every semester — 1-4 hours

EVS 499. INDEPENDENT STUDY. See page 76.

Every semester — 1-4 hours

For descriptions of the following courses which may be taken as Environmental Science electives, see listings and descriptions under the departments offering the course:

EVS 223. SOCIAL PROBLEMS. See SOC 223.

EVS 313. CULTURAL ANTHROPOLOGY. See SOC 313.

EVS 324. GENETICS AND EUGENICS. See BIO 324.

EVS 343. PRINCIPLES OF PUBLIC HEALTH. See HLT 343.

EVS 344. MICROBIOLOGY. See BIO 344.

EVS 353. THE AMERICAN COMMUNITY. See SOC 353.

EVS 363. INTRODUCTION TO PROBABILITY AND STATISTICS. See MAT 363.

PHYSICS

PHY 114. GENERAL PHYSICS I. Intended for students majoring in mathematics, chemistry, or pre-medicine, this laboratory course provides a rigorous treatment of classical mechanics, wave motion, and thermodynamics. Corequisite: MAT 163.

Every fall — 4 hours

PHY 124. GENERAL PHYSICS II. A continuation of Physics 114. Topics include electromagnetism, optics, and quantum theory. Laboratory. Prerequisite: PHY 114.

Every spring — 4 hours

PHY 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

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.

MAT 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. Recommended for majors in elementary education.

Every semester — 3 hours

MATHEMATICS LABORATORY

The pre-calculus curriculum consists of three modular self-paced courses: Intermediate Algebra, College Algebra, and Trigonometry. Remedial work in elementary algebra will be offered as needed on an independent study basis.

Each course in the mathematics laboratory is partitioned into a sequence of modules, and students proceed at their own pace. A continuous enrollment policy allows a student to enroll in a math lab course at any time during the semester.

MAT 120. INTERMEDIATE ALGEBRA. Prerequisite: Placement counseling and one year of high school algebra.

Every semester — 3 hours

MAT 121. COLLEGE ALGEBRA. Prerequisite: Placement counseling and two years of high school algebra, or MAT 120.
Every semester — 3 hours

MAT 122. TRIGONOMETRY. Prerequisite: Placement counseling and two years of high school algebra, or MAT 120.
Every semester — 2 hours

MAT 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

MAT 163. ANALYTIC GEOMETRY AND CALCULUS II. A study of definite integrals, transcendental functions, methods of integration, linear equations. Prerequisite: MAT 153.
Every spring — 3 hours

MAT 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

MAT 223. ANALYTIC GEOMETRY AND CALCULUS III. A study of vectors and parametric equations, and of solid analytic geometry. Prerequisite: MAT 163.
Every fall — 3 hours

MAT 233. ANALYTIC GEOMETRY AND CALCULUS IV. A study of partial differentiation, multiple integrals, infinite series, complex numbers, and functions. Prerequisite: MAT 223.
Every spring — 3 hours

MAT 333. INTRODUCTION TO REAL ANALYSIS. The real numbers, sequences and series, the derivative, the Riemann integral, sequences and series of functions. Prerequisite: MAT 233.
Fall, 1980, and alternate years — 3 hours

MAT 343. TOPOLOGY. A first course in general topology, with emphasis on the topology of the real numbers. Topics include topology space, continuity, connectedness, compactness, separation axioms, and metric spaces. Prerequisite: MAT 223.
Spring 1981, and alternate years — 3 hours

MAT 363. INTRODUCTION TO PROBABILITY AND STATISTICS. (Also BUS 343, EVS 363, and PSY 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: MAT 113 or equivalent.
Every spring — 3 hours

MAT 373. DIFFERENTIAL EQUATIONS. A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: MAT 233. *Fall, 1980, and alternate years — 3 hours*

MAT 413. LINEAR ALGEBRA. An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. Prerequisite: MAT 233 or approval of instructor. *Spring, 1982, and alternate years — 3 hours*

MAT 423. ABSTRACT ALGEBRA. An introduction to algebraic structures with particular emphasis on group theory. Prerequisite: MAT 233 or approval of instructor. *Fall, 1981, and alternate years — 3 hours*

MAT 499. INDEPENDENT STUDY. See page 76.

Every semester

COMPUTER SCIENCE

CS 133. INTRODUCTION TO COMPUTER SCIENCE. A basic study of applications of electronic data processing; basic concepts of flowcharting, problem solution, and programming. *Every spring — 3 hours*

CS 223. COBOL. Programming techniques and algorithm translation in the language COBOL. Emphasis on business applications. No prerequisite. *Spring, 1982, and alternate years — 3 hours*

CS 303. FORTRAN. A study of structured programming techniques, using the language FORTRAN. The student will study problem solving, algorithm design, flowcharting, and become proficient in the use of FORTRAN. Prerequisite: CS 133 or equivalent. *Fall, 1980, and alternate years — 3 hours*

CS 403. ASSEMBLY LANGUAGE. A study of the techniques needed to program a computer in its own assembly language. Essential for the serious student of computer science. Prerequisite: CS 303. *Spring, 1981, and alternate years — 3 hours*

CS 413. DATA STRUCTURE AND PROGRAMMING LANGUAGES. Such structures as trees, lists, stacks, and queues will be studied. In addition, the student will be introduced to several high level languages, i.e., APL, ALGOL, PLI, SNOBOL, RPG. Prerequisite: CS 403. *Fall, 1981, and alternate years — 3 hours*



Department of

RELIGION

Bible

New Testament Greek

Religion

Philosophy

Center for Biblical Studies

DEPARTMENT OF RELIGION

The courses in the Department of Religion are intended to give students an understanding and appreciation of the Bible, to arouse in them a desire for Christian usefulness, and to equip them for leadership in various church activities.

Many of the courses in this department are designed to be beneficial to all college students. Some of them are courses which ministerial students should take, whether or not they expect to continue their studies in seminary.

Suggested Course of Study for Ministerial Students

The ministerial student should plan his course of study to give him the best possible general preparation for his life work. He should enroll in a wide variety of courses, according to his interest, that will provide background for his association with people in all fields of endeavor. Suggested areas would include sociology, psychology, history, science, business, and government. For improvement of his ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. He should take courses in physical education which will help him develop a lifelong program of health improvement and care.

In preparation for seminary and for spiritual growth, the ministerial student should take at least a minor in Bible or Religion. One who does not plan to go to seminary should major in one of these fields. Seminary courses are usually more technical and of broader scope than college courses. Usually, any Religion or Bible course offered in college will be only preparatory and will not result in repetition at seminary.

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

BIB 113 and 123 Old and New Testament History	6 hours
BIB 373 Christian Doctrines	3 hours
Electives in Bible (may include 6 hours Religion)	21 hours

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

BIB 113 and 123 Old and New Testament History	6 hours
BIB 373 Christian Doctrines	3 hours
REL 303, 333, 353, or 463	3 hours
Electives in Bible or Religion	18 hours

Requirements for a minor in Bible

BIB 113 and 123 Old and New Testament History	6 hours
BIB 373 Christian Doctrines	3 hours
Electives in Bible (3 hours upper division)	9 hours

Requirements for a minor in Religion

BIB 113 and 123 Old and New Testament History	6 hours
BIB 373 Christian Doctrines	3 hours
Electives in Bible or Religion (3 hours upper division)	9 hours

BIBLE

BIB 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*

BIB 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*

BIB 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: BIB 113 and 123. *Spring, 1980, and alternate years — 3 hours*

BIB 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: BIB 113 and 123. *Spring, 1980, and alternate years — 3 hours*

BIB 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. Prerequisites: BIB 113 and 123. *Fall, 1980, and alternate years — 3 hours*

BIB 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: BIB 113 and 123.

Fall, 1981, and alternate years — 3 hours.

BIB 373. CHRISTIAN DOCTRINES. A systematic study of the major doctrines of the Bible, including revelation and the Bible, the Trinity, the doctrine of man, the atonement, salvation and Christian growth, the church and its ordinances, and eschatology. Prerequisites: BIB 113 and 123. *Every fall — 3 hours.*

BIB 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: BIB 113 and 123. *Spring, 1981, and alternate years - 3 hours*

BIB 433. LIFE AND TEACHINGS OF CHRIST. A study of the life of Jesus, with special attention given to his person, teachings, and work. Prerequisites: BIB 113 and 123. *Fall, 1980, and alternate years — 3 hours*

BIB 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: BIB 113 and 123. *Every spring — 3 hours*

BIB 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: BIB 113 and 123. *Spring, 1982, and alternate years — 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.

GRK 274. BEGINNER'S GREEK. Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to the study of the Greek New Testament. Sophomore standing or special permission is required. *Every fall — 4 hours*

GRK 284. BEGINNER'S GREEK. A continuation of GRK 274. A study of David's 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: GRK 274 or equivalent. *Every spring — 4 hours*

GRK 373. ADVANCED GREEK GRAMMAR. For second year students of the Greek New Testament. There is a review of forms, syntax, and prose composition. The student is required to translate the First Epistle of John and is given, with each lesson, a demonstration of the significance of Greek forms as vital to accurate translation. Prerequisite: GRK 284. *Every fall — 3 hours*

GRK 383. ADVANCED GREEK GRAMMAR. A continuation of GRK 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: GRK 373. *Every spring — 3 hours*

RELIGION

REL 113. CHURCH GROWTH AND DEVELOPMENT. This course is designed to acquaint the ministerial and missionary student with practical matters in the growth and development of a local Southern Baptist church. Guest lecturers, including outstanding Southern Baptist Convention personalities, participate during the semester by invitation: persons who have expertise in the fields of Bible teaching, outreach, evangelism, stewardship, missions, and church leadership training. The organization of the Southern Baptist Convention is emphasized, particularly the working relationship among its boards and agencies. This 3-hour course is required of loan/grant students. *Every fall — 3 hours*

REL 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. *On demand — 3 hours*

REL 243. CHURCH ADMINISTRATION. A study of the administration of the entire program of a church, including staff relationships, leadership development, teaching and training, worship, church music, stewardship, evangelism, counseling, and missionary outreach. *Spring, 1981, and alternate years — 3 hours*

REL 253. CHRISTIAN DRAMA: DIRECTING AND PERFORMING. See DRA 253.

REL 303. BAPTIST AND AMERICAN CHURCH HISTORY. See HIS 303.

REL 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. *On demand — 3 hours*

REL 333. PSYCHOLOGY IN RELIGION. (Also PSY 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, 1982, and alternate years — 3 hours

REL 353. CHURCH HISTORY. See HIS 353.

REL 363. AUDIO-VISUAL MATERIALS AND METHODS. See EDU 363.

REL 373. PASTORAL WORK. A study of the philosophy and practice of pastoral work, including a study of the pastor's call, his leadership role in the church, his personal character, health and preparation, pastoral care, preaching, counseling, leadership in worship, and administration of church affairs.

Fall, 1981, and alternate years — 3 hours

REL 383. HOMILETICS. Principles and practice of preaching, types of sermons, principles and procedure of sermon preparation. Students will prepare several sermons during the semester. Prerequisite: BIB 113 and 123.

Fall, 1980, and alternate years — 3 hours

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

On demand — 3 hours

PHILOSOPHY

PHI 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

PHI 463. WORLD RELIGIONS. See REL 463 (above).

CENTER FOR BIBLICAL STUDIES

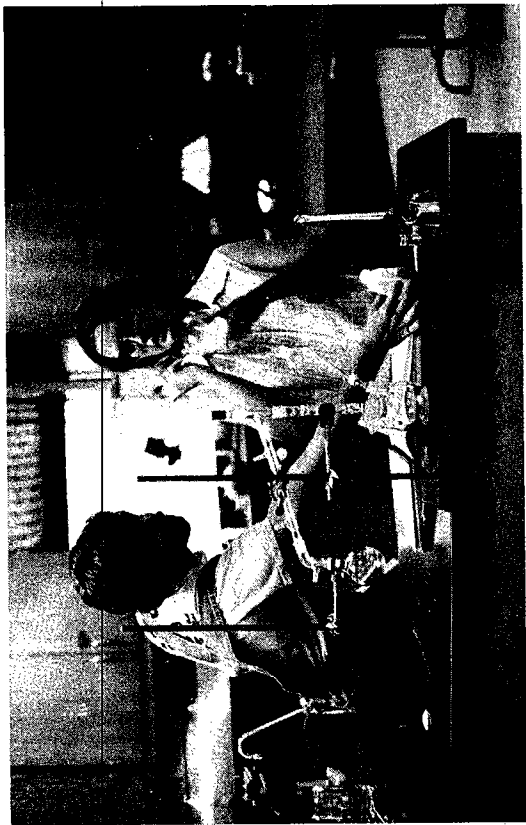
The Department of Religion has established a Center for Biblical Studies in order to enlist more students in the study of Bible and religion and as a service to the community.

Under this program a person not enrolled in any other college may take up to seven hours of college work per semester, all of which must be in Bible, Greek, or Religion. These courses may be audited or taken for credit. Any of the courses listed in the Department of Religion, except Philosophy, may be taken under the program, only during a regular Fall or Spring semester.

A certificate will be awarded upon completion of 18 hours and an advanced certificate for 30 hours.

The special tuition fee is \$30.00 per semester hour. See page 26 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)

ROTC

Through an agreement with Arizona State University, Grand Canyon College offers a four-year program of Air Force and Army ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University. Army ROTC students may also take any of the first two years of classes at one of the community college campuses.

The goal of this professional education is to provide the foundation of military knowledge and skills needed by the junior officers of the military service. Students may take ROTC credit in Aerospace Studies or Army Military Science.

AEROSPACE STUDIES (Air Force ROTC)

Purpose. The Aerospace Studies curriculum consists of the General Military Course for freshmen and sophomores and the Professional Officer Course for juniors and seniors. Upon graduation, each student who satisfactorily completes the Professional Officer Course and Baccalaureate degree requirements will receive a commission as a Second Lieutenant in the Air Force Reserve.

General Qualifications. A man or woman entering AFROTC must (1) be a citizen of the United States (noncitizens may enroll, but they must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the Professional Officer Course. If designated for flying training, one must be able to complete all commissioning requirements prior to age 26½; in other categories one must be able to complete all commissioning requirements prior to age 30.

Four-Year Program. A formal application is not required for students entering the Four-Year Program. A student may register for the program at the same time and in the same manner as other courses. During their first two years, students enroll in the General Military Course (GMC) normally taking one Aerospace Studies course each semester. They may then compete for entry into the Professional Officer Course (POC), which is normally taken during the last two years of college. GMC students not on AFROTC scholarship incur *no military obligation*. They receive 2.0 semester hours of credit for each AES 100 and 200 class completed. The classes consist of one hour of academic instruction and one hour of Leadership Laboratory a week. Selection for the POC is based on a system that uses several factors to determine a student's officer potential. This includes an Air Force aptitude test, a physical examination, and an interview board. Those students accepted into the POC attend a four-week summer field training encampment normally between their sophomore and junior years. Students enrolled in the POC (AES 300 and 400 classes) receive 3.0 semester hours of credit for each course.

Upon successful completion of the POC and the college requirements for a baccalaureate degree, the student is commissioned in the U.S. Air Force Reserve as a Second Lieutenant.

Two-Year Program. Students who have not taken the first two years of AFROTC may still compete for entry into the Professional Officer Course. Applicants must have at least two academic years of college work remaining, either at the undergraduate or graduate level. The selection process for the POC is the same as described for the Four-Year Program; however, these students must also successfully complete a six-week field training course at an Air Force base prior to enrollment. Upon completion of the POC and the college requirements for a baccalaureate degree, the student is commissioned.

Qualifications for Admittance to the Professional Officer Course (POC). (1) For the four-year student, successfully complete the General Military Course, or for the two-year applicant, complete a six-week field training course. (2) Complete the Air Force Officer Qualifying Test (AFOQT). (3) Pass the Air Force physical examination. (4) Maintain a minimum grade point average of 2.0 ("C").

Pay and Allowance. POC members in their junior and senior years receive \$100.00 per month for a maximum of 20 months of Professional Officer Course attendance. Students are also paid to attend field training. In addition, uniforms, housing and meals are provided during field training at no cost to the student. Students are reimbursed for travel to and from field training. Students in the POC may also travel free on military aircraft on a space-available basis. Pilot candidates in the Flight Instruction Program receive up to 25 hours of free flight training while in school.

Scholarships. Air Force ROTC offers scholarships annually to Outstanding young men and women on a nationwide competitive basis. Scholarships cover full college tuition for resident and nonresident students as well as books, laboratory and incidental fees, plus a monthly tax-free allowance of \$100.00. Scholarships are available on a four, three, and two year basis. To qualify for the four-year scholarship, the student must be a U.S. citizen pursuing one of the several selected academic majors and submit an application prior to December 15th of his/her senior year in high school or first year of college if enrolled in a 5-year curriculum. Interested students should consult their high school counselors or an AFROTC detachment. Male and female students enrolled in AFROTC at Grand Canyon College are eligible for three and two-year scholarships. Consideration is given to

academic grades, score achieved on the Air Force Officer Qualifying Test, and physical fitness. A board of officers considers an applicant's personality, character, and leadership potential.

MILITARY SCIENCE (Army ROTC)

Purpose. The goal of this professional education is to prepare selected students with leadership potential to be commissioned as Army officers in the active Army, Army National Guard, and U.S. Army Reserve. 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 32. Students with prior active military service or previous high school ROTC may be given credit for all or a part of the first two years of the program.

Qualifications for Admittance to the Advanced Course. (1) Successful completion of the first two years of the program, or equivalent credit (prior military service, high school ROTC, etc.). (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 five-week advanced summer camp at an Army post between their third

And fourth 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. 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 five-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. Veterans and others with the equivalence of the first two years of ROTC may enter the two-year program without attending basic camp.

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 five-week advanced camp. Uniforms, housing and meals are provided at camp without cost to the students, and they are reimbursed for travel 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 reimbursement for travel to and from the camp.

Active Duty Requirements. Graduates of Army ROTC may spend from three months to three years of active duty depending on U.S. Army Reserve options. Scholarship students and those students who desire an Army career and receive a Regular Army commission have additional amounts of time added to their basic three-year commitment. A delay from call to active duty for up to four years is available to outstanding students who desire to earn a graduate degree.

AEROSPACE STUDIES

AES 101. 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 102. 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 201. 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 202. 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 301. 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 302. 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 401. 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 402. 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 403. FLIGHT INSTRUCTION. Non-credit. Limited to senior cadets who are selected as pilot candidates.

MILITARY SCIENCE

MIS 101. INTRODUCTION TO 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 lecture-conferences. 2 hours

MIS 102. METHODS OF INSTRUCTION. Learning theories and principles of instruction; development of instructor knowledge, skills, and attitudes; instructional aids; student presentations. Two lecture-conferences. *2 hours*

MIS 201. LEADERSHIP AND MANAGEMENT DEVELOPMENT. Evolution of warfare and theories of conflict; organization and role of the U.S. Department of Defense in national security; interdisciplinary approach to leadership and management; resource management in small unit operations; effective techniques for decision-making studies. One lecture-conference, 1 hour Leadership Practical Application. *2 hours*

MIS 202. LAND NAVIGATION. Military geography; use of maps and aerial photographs; orienteering and land navigation, fundamentals and problems. One lecture-conference, 1 hour Leadership Practical Application. *2 hours*

MIS 301. ADVANCED MILITARY SCIENCE. Theory, organization, and dynamics of military forces in combat operations; small unit offensive and defensive tactics. Prerequisites: MIS 201 and 202, or equivalent. Three lectures-conferences, 1 hour Leadership Practical Application. *3 hours*

MIS 302. 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 301. Three lectures-conferences, 1 hour Leadership Practical Application, 3-day field training exercise. *3 hours*

MIS 401. 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. *2 hours*

MIS 402. 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 401. Two lectures, 1 hour Leadership Practical Application. *2 hours.*



VIII. Administration and Personnel*

Trustees

Administration

Faculty

Faculty Committees

* As of January 1, 1980

BOARD OF TRUSTEES 1979-80

Three-Year Term Expiring 1982

	Home	Office
Rev. Dennis Daniel, P. O. Box 327, Buckeye, 85326	386-2904	386-5614
Mr. Don Eshelman, 6531 E. Vernon Ave., Scottsdale, 85257	949-1407	955-1544
Dr. Fred Heiserman, 441 E. Canyon View, Tucson, 85704	888-1491	887-0510
Rev. James McGinlay, 8802 N. 19 Ave., Phoenix, 85021	937-7725	944-3306
Dr. Wayne North, 1825 N. Alvernon Way, Tucson, 85712	327-1632	323-9379
Dr. E. Harlin Staires, 781 University Heights Dr., S., Flagstaff, 86001	774-2817	523-3151
Dr. Archie Stephens, P. O. Box 5393 AFS, Prescott, 86312	772-8977	772-9200
Mr. Ron Truitt, 4825 West Vogel, Glendale, 85302	931-0479	248-7105
Mr. Vernon Walker, Sr., Box 714, Lakeside, 85929	537-4894	537-4894
Mr. Rob R. Whiteaker, 7501 North 9 Place, Phoenix, 85020	943-1762	263-5757
Two-Year Term Expiring 1981		
Rev. Steve Dale, 1338 W. Naranja, Mesa, 85202	838-8719	839-5807
Dr. Jim Harvey, 7149 N. 58 Ave., Glendale, 85301	937-8629	937-9216
Mr. Tom Holland, P. O. Box 5150, Yuma, 85364	782-5593	782-1889
Mr. Darrel Lewis, 830 W. Ray Road, Chandler, 85222	899-1402	963-3439
Dr. John Misenheimer, 119 Arrowhead Dr., Prescott, 86301	445-5152	445-3181

Dr. Johan Parks, P. O. Box 56,
San Manuel, 85631

385-4214 385-4655

Mr. Maurice Pewitt, 916 S. Hobson,
Mesa, 85204

969-3642

Rev. Mark Pitts, 2182 Santa Rita,
Sierra Vista, 85635

458-8224 458-2273

Mr. Doug Powell, 3801 E. Solano Dr.,
Paradise Valley, 85253

957-9298 244-3965

Rev. Henry Smart, 1300 S. Mill Ave.,
Tempe, 85281

968-5557 967-0569

One-Year Term Expiring 1980

Mr. L. E. "Shakey" Baker, P. O. Box 427,
Payson, 85541

474-2723 474-2233

Mrs. Maude Dabney, 9901 Timberline Dr.,
Sun City, 85351

974-8894

Mr. Tommy Harper, 3013 E. Hardy Pl.,
Tucson, 85716

327-5135 323-9379

Mrs. Verlyne Meck, Box 668,
Buckeye, 85326

932-0139

Rev. Fred North, 11611 N. 51 Ave.,
Glendale, 85304

943-5156 934-6847

Mr. Henry Ong, 2301 E. Cortez,
Phoenix, 85028

992-0094 277-4431

Mrs. Rae Spitzer, 1245 W. Ruth,
Phoenix, 85021

943-3062

Mr. Burton Tingle, P. O. Box 36,
Sahuarita, 85629

623-8502 623-3502

Mr. Lloyd Vaughn, 1202 Windsor Drive,
Sierra Vista, 85635

458-4161 538-6761

Ex-Officio

Dr. Jack Johnson, Executive Director-Treasurer
Arizona Southern Baptist Convention
400 West Camelback Road,
Phoenix, 85013

946-8355 264-9421

Dr. Wendell Freeze, President
 Arizona Southern Baptist Convention
 501 South 9 Avenue
 Yuma, 85634

783-3767

Faculty Representative

Dr. Larry Olson, P. O. Box 11097,
 Phoenix, 85061

973-2590 249-3300

Student Representative

Mr. Robin Baker, 4375 West Missouri, Sp. 57,
 Glendale, 85301

939-2798

ADMINISTRATIVE OFFICERS

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D. (1965) President

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

Dillard Whitis, B. A. M.R.E., Ph.D. (1968) Executive Vice President

B.A., Baylor University
 M.R.E., Southwestern Baptist Theological Seminary
 Ph.D., Arizona State University

Paul Barnes, B.A., M.R.E. (1971) Senior Vice President for
 Institutional Advancement

B.A., Grand Canyon College
 M.R.E., Southwestern Baptist Theological Seminary
 Additional Graduate Study, Arizona State University

ADMINISTRATIVE STAFF

Carl G. Paetz (1979) Vice President for Development

B.S., Iowa State University
 M.A., University of Iowa
 Ed.D., University of Oregon

Arthur K. Tyson, B.A., M.A., LL.D. Special Assistant to the President

B.A., Baylor University
 M.A., Southern Methodist University
 LL.D., East Texas Baptist College
 Additional Graduate Study, Louisiana State University

Don Brown, B.S. (1979) Business Manager
 B.S., Olivet Nazarene College

Mike Baird (1979) Dean of Students

B.A., Grand Canyon College
 M.Div., Southwestern Baptist Theological Seminary
 Doctoral Candidate at Southwestern Baptist Theological Seminary

Bill Estes Athletic Director

B.S., North Texas State University
 M.S., North Texas State University
 Ed.D., George Peabody College

Mrs. Leola Brown, B.S. Registrar
 B.S., Grand Canyon College
 Graduate study, Arizona State University

David Rhew, Jr., B.A., M.L.S., M.Div. Librarian
 B.A., University of Corpus Christi
 M.L.S., North Texas State University
 M.Div., Southwestern Baptist Theological Seminary

Sam Norris, B.A. (1977) Assistant Director of Admissions
 B.A., Grand Canyon College

Frank Anderson, B.S. Director of Computer Services
 B.S., University of Arizona

D. Harris, B.B.A., M.B.A. 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

Joseph A. Marafino, B.A., M.S. Director of Placement and
 Assistant Director of Financial Aid

B.S., State University College of New York
 M.A., Arizona State University

Terry Miller Director of Physical Plant

SERVICE STAFF

Mrs. Dorothy Bickers Secretary to the Registrar

Mrs. Deborah Blair Director, Women's Dormitory
 B.S., Hardin-Simmons University

Mrs. Toby Carlson Mail Clerk

Mrs. Mary Carroll, B.A. B.A., Grand Canyon College	Assistant in Libr.
Mr. Donald E. Caruso	Maintenance Worker
Mr. George Caruso	Custodian
Mrs. Danell Conway, B.S. B.S., Grand Canyon College	Secretary to Dean of Students
Mr. Lee Cook	Director, Buildings & Grounds
Charles M. Cooke, M.D. (1952) B.S., University of Arizona M.D., University of Utah	College Physician
Mrs. Betty Endsley	Secretary to Executive Vice President
Mrs. Clara Gilmore, B.S. B.S., Grand Canyon College	College Nurse
Mrs. Carol K. Greenwalt	Credit & Collections Coordinator
Mrs. Ann Grimm, B.S., M.A. B.S., Grand Canyon College M.A., Arizona State University	Assistant Librarian
Miss Kelly Hedgpeth	Secretary to Director of Financial Aid
Mr. Loyd Hester	Accountant
Mrs. Pamela Hill, B.A. B.A., Grand Canyon College	Secretary to Business Manager
Mrs. Jo Hodges	Periodicals Librarian
Miss Lori Holliday	Budget Control Clerk
Mrs. Dianne E. Houghton, B.S. B.S., Arizona State University	Chief Accountant
Miss Sharon McDonald	Assistant in Development
Mrs. Jan Landgren	Administrative Assistant, Office of Dean of Students
Mrs. Sharon Langley	Secretary, Typewriter, Office of News Services & Publications
Mrs. Ruth Laughman	Director, Men's Dormitory
Mr. Eldon Lawyer, B.S. B.S., Oral Roberts University	Field Representative for Admission

Mrs. Carolyn Martin	Secretary to the President
Mr. Jonathan K. Mentor	Security Officer
Mrs. Fan Mercedith, B.A.	Alumni Secretary
B.A., Grand Canyon College	
Mr. Burke Moser	Groundsman
Miss Judy Normandean	Secretary to Vice President for Development
Mr. Bill Ohmie	Maintenance Worker
Mr. Don Pair, B.A.	Director of News Services
B.A., Grand Canyon College Graduate Study at University of Arizona	
Mrs. Jane Pierce	Secretary to Athletic Director
Mr. Roy Pierce	Groundsman
Mrs. Martha Ramer	Secretary to Assistant Director of Admissions
Mrs. Gene Smith	Bookstore Manager
Miss Terry Smith, B.S., M.R.E.	Assistant in Registrar's Office
B.S., Grand Canyon College M.R.E., Southwestern Baptist Theological Seminary	
Mr. Carl Snider	Supervisor, Custodial Services
Mr. Jim Sperry	Supervisor of Grounds
Mrs. Carole Stensrud, B.A.	Admissions Counselor
B.A., Arizona State University	
Mr. Barry Thompson, B.S.	Assistant Registrar
B.S., Grand Canyon College	
Mrs. Martha Toon	Secretary to Senior Vice President for Institutional Advancement
Mrs. Joyce Tuttle	Clerk in Bookstore
Mrs. Sybil Uireback	Accounting Clerk
Mr. Larry W. Watson	Computer Programmer
Mrs. Wilma Wells	Secretary to Librarian
Mrs. Karen Wesner	Cashier

FACULTY

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D. (1965) Professor of Mathematics

B.S., Grand Canyon College
M.A. in Ed., Arizona State University
M.A., University of Illinois
E.D., Arizona State University
Additional Graduate Study, Arizona State University, Utah State University

Dillard Whitis, B.A., M.R.E., Ph.D. (1968) Professor of Education

B.A., Baylor University
M.R.E., Southwestern Baptist Theological Seminary
Ph.D., Arizona State University

Gary Neil Adkins, B.A., M.A., M.F.A. Art

B.A., Berea College
M.A., M.F.A., East Tennessee State University

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

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

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

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

Ralph Terry Bryan, B.S., M.A., Ph.D. (1959) Professor of English;
Chairman of Department of Humanities

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

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

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

Raymond Alvin Conely, B.B.A., M.B.A., D.B.A. (1979) Professor of Business and Economics; Chairman of Department of Business and Economics

B.B.A., Texas Tech University
M.B.A., Texas Tech University
D.B.A., Arizona State University

Jimmie L. Creekmur, B.A., M.A., Ph.D. (1977) .. Associate Professor of Education
 B.A. in Education, Arizona State University
 M.A. in Education, Northern Arizona University
 Ph.D., University of Texas at Austin

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

B.A., Oklahoma Baptist University
 B.D., Southwestern Baptist Theological Seminary
 Th.M., Th.D., Central Baptist Seminary

Maye K. Davis, B.A., M.A. (1970) Associate Professor of Education
 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. (1966) Professor of Music,
 Chairman of Department of Music

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

Marlene Delavan, B.M.Ed., M.M. (1966) Associate Professor of Music
 B.M.Ed., Southwest Texas State College
 M.M., Westminster Choir College
 Additional Graduate Study, North Texas State University

Barbara Hintze, B.S. (1978) Instructor in Mathematics
 B.S., Grand Canyon College
 Graduate Study, Arizona State University

Barbara Ann Hoffman, B.S., M.A., Ph.D. (1978) Associate Professor of History
 B.S., Central Missouri State University
 M.A., Central Missouri State University
 Ph.D., University of Colorado

Patty J. Horn, B.S., M.A., Ed.D. (1979) Associate Professor of Education;
 Acting Chairman, Department of Education & Psychology;
 Director Teacher Training

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

John Howerton, B.A., M.A., M.Div. (1966) Associate Professor of History
Chairman of Department of History and Social Sciences

B.A., Grand Canyon College
M.A., Arizona State University
M.Div., Midwestern Baptist Theological Seminary
Additional Graduate Study, Arizona State University, University of Arkansas

R. L. (Rob) Jones, B.A., M.A., Ph.D. (1975) .. Associate Professor of Business and
Economics; Director of Center for Business Studies

B.A., University of Arizona
M.A., and Ph.D., Arizona State University

Harry D. Kent, B.B.A., M.B.E. (1955) Associate Professor of Business

B.B.A., Baylor University
M.B.E., North Texas State University
Additional Graduate Study, Southern Methodist
University, Arizona State University

Thomas Jesse King, B.S., M.S., Ph.D. (1975) Associate Professor of Science
B.S., M.S., Ph.D., University of
Southern Mississippi

Jim Warren Krout, B.A., M.A., Ph.D. (1974) Professor
of English

B.A., Mississippi College
M.A., University of Colorado
M.A., University of Denver
Ph.D., Purdue University
Additional Graduate Study, University of Virginia

J. Benjamin Lindsey, B.S., M.S. (1965) Associate Professor of Health and
Physical Education; Basketball Coach

B.S., Grand Canyon College
M.S., Arizona State University
Additional Graduate Study, Arizona State University

D. C. Martin, B.A., Th.M., M.R.E., Th.D. (1952-60; 1971) Professor
of Religion

B.A., Wake Forest College
Th.M., M.R.E., Southwestern Baptist Theological Seminary
Th.D., New Orleans Baptist Theological Seminary

Kenneth Merrifield, B.A., B.D., M.A. (1968) Associate Professor of
Behavioral Science

B.A., Ottawa University
B.D., Central Baptist Seminary
M.A., Arizona State University

- Roger L. Miller, B.F.A., M.A. (1977) Assistant Professor of Speech and Drama
 B.F.A., University of Arizona
 M.A. (Theatre Arts), Adelphi University
- Erdie Morris, B.S., M.A., Ph.D. (1970) Professor of Science
 B.S., M.A., Arizona State University
 Ph.D., Purdue University
 Additional Graduate Study, Colorado State College,
 Oregon State University, Cornell University,
 University of Alabama
- James E. Nelson, B.A., M.A.T. (1978) Assistant Professor of Art
 B.A., University of Washington
 M.A.T., University of Washington
 Doctoral Candidate, Arizona State University
- Larry Wood Olson, B.S., Ph.D. (1975) Associate Professor of Science;
 Chairman, Department of Natural Sciences
 and Mathematics
 B.S., Baylor University
 Ph.D., University of Pennsylvania
 Postdoctoral Research Fellow, University of Illinois
- Paul Paige, B.M., M.M., Ph.D. (1971) Professor of Music
 B.M., Boston University
 M.M., Northwestern University
 Ph.D., Boston University
 Additional Graduate Study, State University of
 New York at Binghamton, University of Washington, Arizona State University
- Ronald Phillips, B.M., M.M. (1968) Associate Professor of Music;
 Director of Instrumental Ensembles
 B.M., Michigan State University
 M.M., Michigan State University
 Doctoral Candidate, Arizona State University
- J. Niles Puckett, B.A., LL.B., Th.M., Th.D. (1949) Professor of Religion
 B.A., Mississippi College
 LL.B., Cumberland University
 Th.M., Th.D., Southern Baptist Theological Seminary
- Maynard Wesley Roberts, B.A., M.C.M. (1979) Assistant Professor of Music
 B.A., University of South Florida, Tampa
 M.C.M., New Orleans Baptist Theological Seminary
 Doctoral Candidate, Southern Baptist Theological Seminary
- Steven Michael Shew, B.S., M.S., Ph.D. (1979) Associate Professor of Mathematics
 B.S., Indiana State University
 M.S., Indiana State University
 Ph.D., Arizona State University

Paul A. Youngs, B.A., B.D., Th.M., M.Nat.Sci. (1956) Associate Professor
of Science

B.A., University of Corpus Christi
B.D., Th.M., Southern Baptist Theological Seminary
M.Nat.Sci., Arizona State University
Additional Graduate Study, Texas A. & M. University,
University of California at Davis, George Peabody
College, Arizona State University, Southern Utah
State College

Mary S. Zumot, B.A., M.A. (1976) Assistant Professor of History
and Social Sciences

B.A., Baylor University
M.A., Southern Methodist University
Doctoral Candidate, Arizona State University

ADJUNCT FACULTY — Fall 1979

John Adamczyk, B.S., M.B.A. Natural Sciences

B.S., Arizona State University
M.B.A., California University
Additional Graduate Study, San Diego State University, University of Nebraska, California
State University

Charlene Auren, B.A., M.A. English

B.A., Grand Canyon College
M.A., Arizona State University

Kaye Dillon, B.S., M.A. English

B.S., Grand Canyon College
M.A., Arizona State University

Jenny Estes, B.M.Ed., M.M.Ed. Music

B.M.Ed., North Texas State University
M.M.Ed., George Peabody College

Jamie Everett, B.A., M.A. Education

B.A., Arizona State University
M.A., Arizona State University

Elmer Felton, B.S., M.A., M.S. Education

B.S., Ohio State University
M.A., Ohio State University
M.S., Arizona State University

Charles F. Fields, B.S., M.A. Education

B.S., Grand Canyon College
M.A., Arizona State University

- De Gilboy, B.S. Music
 B.S., Grand Canyon College
- Janice Wilkes Goodner, B.S. Music
 B.S., Grand Canyon College
 Graduate Study, Arizona State University
- George E. Harden, B.A. Criminal Justice
 B.A., Grand Canyon College
- Larry L. Howard, B.A., M.A., Ed.D. Education
 B.A., Baylor University
 M.A., University of Missouri at Kansas City
 Ed.D., University of Missouri at Columbia
- Lester E. Jennings, Jr., B.A. Criminal Justice
 B.A., Grand Canyon College
- Leon E. Jordan, B.S., M.S. Natural Sciences
 B.S., Lincoln University
 M.S., Kansas State University
- Teri Lee Knudson, B.A. Sociology
 B.A., Grand Canyon College
 Graduate Study, Arizona State University
- Mitchell C. Laird, B.S. Criminal Justice
 B.S., Grand Canyon College
- David E. Lawrence, B.A. Criminal Justice
 B.A., San Jose State University
- Earl Logan III, B.A., M.M. Music
 B.A., Arizona State University
 M.M., Arizona State University
 Doctoral Candidate at Arizona State University
- Robert W. McAllister, B.S., M.I.M. Music
 B.S., Ohio State University
 M.I.M., Arizona State University
- Penny McElhaney, B.F.A. Art
 B.F.A., Arizona State University
- Josie Molenaar, B.S., M.A. Education
 B.S., Northern Arizona University
 M.A., Arizona State University
- Guy V. Morris, B.E.E., M.S.E.E. Natural Sciences
 B.E.E., Georgia Tech
 M.S.E.E., University of Southern California

Wade Oliver, B.A., M.A., Ed.D. Education
 B.A., M.A., Ed.D., Arizona State University

Shirli Overton, B.A. English

B.A., Grand Canyon College
 Graduate Study, Arizona State University

Hugo A. Peart, B.S., M.S.W. Sociology

B.S., Grand Canyon College
 M.S.W., Arizona State University

Helen Przypek, B.M., M.A. Music

B.M., Boston University
 M.A., New England Conservatory

Mavis Pust, B.A. Spanish

B.A., Grand Canyon College
 Graduate Study, Arizona State University

Jim Richards, B.S., B.D. Religion

B.S., Grand Canyon College
 B. of Divinity, Southwestern Theological Seminary

Sida Roberts, TWSIC, M.C.M. Music

TWSIC, Sorbonne, Paris
 M.C.M., Southern Baptist 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

Jeanne Siebenman, B.A., M.A. Education

B.A., M.A., Arizona State University

C. J. Smith, Jr., B.A., C.P.A. Drama

B.A., Vanderbilt University
 C.P.A.

Olivia A. Templeton, B.S., M.S. Physical Education

B.S., Grand Canyon College
 M.S., Arizona State University

Tracy Williams, B.S. Music

B.S., Grand Canyon College

Betty Youngs, B.A., M.A.	Humanities
B.A., George Peabody College	
M.A., Arizona State University	
Additional Graduate Study, Columbia University Teachers College	

FACULTY COMMITTEES

1979-80

The first named member is chairman unless otherwise specified.

ADMINISTRATIVE

Administrative Advisory: Dr. Williams, Mr. Barnes, Dr. Bryan, Mrs. Davis, Dr. Dane, Dr. Olson, Dr. Whitis

Athletic: Dr. Olson (faculty representative), Dr. Estes, Dr. Horn, Dr. Martin, Keith Baker, Darla Rogers

Chapel: Mr. Miller, Dr. Martin, Mr. Phillips, Thane Barnes, Randy Eary, Melody Haggard

Committee on Committees: Dr. Williams, Dr. Bryan, Mr. Howerton, Dr. Olson, Dr. Whitis

Computer Users: Mr. Thompson, Mr. Anderson, Mrs. Hintze, Dr. Whitis

Financial Aid: Miss Zumot, Dr. Estes, Mr. Harris, Dr. Whitis, Dr. Williams, Dr. Morris, Debbie Doyle

Honorary Degrees: Dr. Williams, Mr. Howerton, Dr. Olson, Dr. Whitis

Planning and Development: Dr. Williams, chairman; Dr. Paetz, coordinator; Mr. Barnes, Dr. Bryan, Mr. Howerton, Dr. Jones, Dr. Whitis

Task Force for Admissions: Dr. Williams, Mrs. Brown, Mr. Howerton, Mr. Norris, Dr. Olson, Dr. Whitis, Mrs. Stenstrud, Mr. Thompson, Rick Lundquist

Title IX Coordinator: Mr. Harris

ACADEMIC

Academic Advisement: Mr. Merrifield, Mr. Baird, Mr. Claxton, Dr. Horn, Dr. Martin, Bob Langford

Academic Affairs: Mr. Howerton, Mr. Adkins, Mrs. Brown, Dr. King, Dr. Morris, Mr. Thompson, Dr. Whitis, Rick Roberts

Curriculum: Dr. Bryan, Dr. D. Brazell, Dr. Conely, Dr. Dane, Dr. Delavan, Dr. Horn, Mr. Howerton, Dr. Olson, Dr. Whitis, Mr. Thompson, Mike Price

Faculty and Staff Handbook: Mrs. Davis, Dr. Kroust, Dr. Paige, Mrs. Stenstrud

Graduation: Dr. Martin (faculty marshal)

Honors Program: Dr. Olson, Dr. Hoffman, Dr. Shew, David Pugh

Library: Dr. King, Dr. Creekmur, Dr. Jones, Dr. Krout, Mr. Rhew

Teacher Education: Dr. Horn, Mr. Claxton, Mrs. Hintze, Dr. Hoffman, Dr. King,
Dr. Paige, Ruth Ballard

STUDENT AFFAIRS

Dean of Students Advisory: Mr. Baird, Dr. Dane, Dr. Horn, Dr. Morris, Robin Baker, Mike Titsworth

Student Government Advisors: Mr. Baird

FACULTY

Academic Privilege and Tenure: Dr. Bryan, Mrs. Davis, Mr. Lindsey, Dr. Morris, Mr. Phillips

Faculty Affairs: Dr. Olson, Dr. Bryan, Mr. Howerton

Faculty Development: Dr. Krout, Dr. M. Brazell, Dr. Paige, Miss Zumot, Dr. Whittis

Tenure and Academic Promotion: Mr. Merrifield, Dr. M. Brazell, Dr. Delavan



IX. Student Statistics

Graduates 1978

1979

Enrollment Statistics 1978-79

GRADUATES

1978

BACHELOR OF ARTS

Stere Atkinson	Fremont, Ohio	Reynolds-Jordan	Phoenix-Arizona
Barbara Sue Babcock	Phoenix, Arizona	Steven Earl Kaufman	Phoenix, Arizona
Donald L. Baker	Winslow, Arizona	Melody Joy Kelly	Farmington, New Mexico
Marvin L. Bear	Rugged Mountain, Colorado	Michael John Kelly	Farmington, New Mexico
Carla Rumpff Beco	Tempe, Arizona	Paul Francis Kinnison	Laramie, Wyoming
James Allen Bonkamp	Winslow, Arizona	Teri Lee Knutson	Phoenix, Arizona
Richard John Bowlby	Garwood, New Jersey	Roger William Krull	Phoenix, Arizona
Pamela Kay Bracken	Taft, California	Timothy Mark Lanoue	Las Vegas, Nevada
Roger D. Bradford	West Plains, Missouri	Maria Marie Lizanetz	Proctor, Arizona
Pamela Joy Brannon	Phoenix, Arizona	Ronald Gene Lloyd	Grants Pass, Oregon
James Robert Brown	Brooklyn, New York	Dale L. Mangum	Scottsdale, Arizona
Karen Ann Brown	Phoenix, Arizona	Robert S. Marock	Phoenix, Arizona
Ruth Ann Brown	Grand River, Ohio	Thomas Glenn McFarland	Elk City, Oklahoma
Wilson Robert Brunson Jr.	Phoenix, Arizona	David Paul McThompson	West Plains, Mo.
Dennis J. Butler	Phoenix, Arizona	Cedric Jacob Messner	Phoenix, Arizona
Cheryl Lynn Clark	Yuma, Arizona	Patrick K. Middleton	Phoenix, Arizona
Dana Marie Clonis	Safford, Arizona	Audrey Elizabeth Miller	Phoenix, Arizona
Jackson Fox Clower	Los Angeles, California	Janice Lee Monroe	Yuma, Arizona
Paul David Cox	Phoenix, Arizona	Charles Wayne Moorer	Hamtramck, Mich.
Albert Nathan Davis	Casa Grande, Arizona	Gayle Newhall	Phoenix, Arizona
Margaret Ruth Diaz	Phoenix, Arizona	Don C. Pair	Phoenix, Arizona
Anthony De Arcos	Claypool, Arizona	Matthew Palencia	Phoenix, Arizona
Doyle Dilley	Yakima, Washington	Ronald E. Patrick	Phoenix, Arizona
Michael Durst	Rapid City, South Dakota	Judith H. Patterson	Rockford, Illinois
Marsha Lynn Prentice Fellet	Lake Havasu, Az	George W. Peaden	Phoenix, Arizona
Tim L. Files	Phoenix, Arizona	Roger Dale Pike	Glendale, Arizona
Frederick Mons Feste	Phoenix, Arizona	Frank Ramirez	Weaver, Ar
Russell Dee Fletcher	Bisbee, Arizona	Laurie James Rascon	Phoenix, Ariz.
Weldon L. French	Phoenix, Arizona	George Gary Roberts	Phoenix, Arizona
Jennie Lee Zumwalt Garner	Phoenix, Arizona	John E. Rose	Prescott, Arizona
Howard Stuart Goldman	Phoenix, Arizona	Albert Francis Scherba	Phoenix, Arizona
Karen M. Gowins	Racine, Wisconsin	J. Steve Sheldon	Mansfield, Ohio
Patrick M. Gribble	Dallas, Texas	Ross J. Shepherd	Baker, Montana
Debra Kim Hall	Prescott, Arizona	Joan Beth Shortreed	Phoenix, Arizona
June E. Hamilton	Phoenix, Arizona	Linda Louise Simmons	Phoenix, Arizona
Wayne Harrison	Lakewood, Colorado	Cynthia Lee Slack	Phoenix, Arizona
James Dennis Hart	Phoenix, Arizona	Rebecca Lynn Snyder	Phoenix, Arizona
James Mark Harvey	Phoenix, Arizona	George R. Stevens	Mount Vernon, Indiana
Rebecca Holbrook	Augusta, Georgia	Laura Paris Thomas	Phoenix, Arizona
Philip David Hunt	Morenci, Arizona	Cherry Lee Turnage	Norman, Oklahoma
Ralph Vernon Hunter	Lansing, Michigan	Roger Kenneth Warner	Jamesstown, N.Y.
Roger Sargent Johnson		Cheryl Dee Leviton Wessel	Phoenix, Arizona
		Jackie C. Wheeler, Jr.	Vernon, Texas
		George G. Wilson	Glendale, Arizona
		Eugene Edward Worley	Glendale, Arizona

BACHELOR OF SCIENCE

Thomas Edward Abbott	Phoenix, Arizona	Clifford S. Locklear	Safford, Arizona
Elizabeth Ann Andersen	Phoenix, Arizona	Kim Terese Long	Phoenix, Arizona
David Armstrong	Phoenix, Arizona	Bruce Norwood Lundberg	Glendale, Arizona
Phyllis Anston	Phoenix, Arizona	Mark Wesley Luter	Minot, North Dakota
Carl Christian Bakemeier	Phoenix, Arizona	Rachel K. Mac Donald	Phoenix, Arizona
Walter Sanley Baker	Phoenix, Arizona	Robyn Lisa Martmann	Tucson, Arizona
James Garfield Bands IV	Tempe, Arizona	Stephen Lewis Messingill	Phoenix, Arizona
Sheldonne Louise Barnes	Sarasota, Florida	Shari Matias	Avondale, Arizona
Randy L. Barnett	Sarasota, Florida	Cindy Lee McCue	Scottsdale, Arizona
Rhonda Jean Barnett	Sierra Vista, Arizona	Bruce Earl McNaught	La Verne, California
Caprice Lee Bell	Phoenix, Arizona	John Michael Medley	Phoenix, Arizona
Harold Lester Bell	Scottsdale, Arizona	Ruby Davila Mendez	Naha, Okinawa, Japan
Charles E. Boldue Jr.	Manhattan, New York	Jane Ann Meserschmidt	Whitewater, Wis.
F. R. Bouquinn	Phoenix, Arizona	Renee J. Mikkelson	Phoenix, Arizona
Clarence Neagle Butler	Phoenix, Arizona	Georgia Eleanor Mims	Las Vegas, Nevada
Chris Leonard Byroad	Tucson, Arizona	Roger Rodriguez Munoz	Morenci, Arizona
Caprice Del Cain	Yuma, Arizona	Ralph Douglas Myers	Phoenix, Arizona
Dean Christian Cain	Yuma, Arizona	T. Anthony Newhall	Phoenix, Arizona
Carolyn Sue Campbell	Glendale, Arizona	Sheryl Ann Nudds	Phoenix, Arizona
Linda Kay Campbell	Phoenix, Arizona	Dennis Ortiz	Phoenix, Arizona
Virgil Tillman Churchill	Phoenix, Arizona	Michael A. Osborne	Litton, Colorado
Kathryn Cothren	Phoenix, Arizona	Gary Lee Parker	Santa Fe, New Mexico
Darryl L. Cooter	Glendale, Arizona	Douglas R. Patterson	Waverly, New York
Leslie Clinton Craig	Omaha, Nebraska	Nancy T. Perousis	Flemington, New Jersey
Corwyn Dartington	Scottsdale, Arizona	Gerald G. Polinsky	Phoenix, Arizona
John W. Donley	Virginia, Virginia	Vomen A. Porter	Phoenix, Arizona
Sharon Kay Downs	Phoenix, Arizona	Patricia Louise Priddy	Phoenix, Arizona
Jean Dunlop	Phoenix, Arizona	Richard David Randall	Phoenix, Arizona
Lisa Marie Elden	Scottsdale, Arizona	Mary Reinhardt	Glendale, Arizona
Myrle Ferguson	Phoenix, Arizona	George L. Rivers	Phoenix, Arizona
R. J. Fisher	Fraser, Michigan	David C. Roose	Phoenix, Arizona
Myrvin Neil Fleming	Shelb, Ohio	Mary Lynn Sba	Poorita, Arizona
Paul Richard Fleming	Tollison, Arizona	Ladine Mike Sam	Buckeye, Arizona
William H. Gallipeau	Phoenix, Arizona	Philip Carr Sammons	Coumtecor, New Mexico
Robert L. Grantham	Augusta, Georgia	Peggy Lynn Schmidt	Chinle, Arizona
Kenneth A. Greely	Phoenix, Arizona	Timothy L. Schmidt	Glendale, Arizona
Randell Herbert Hall	Midland, Texas	David Gary Servis	Phoenix, Arizona
Virginia Sue Hannum	Douglas, Arizona	Kathryn E. Shaeffer	Lakeside, California
John F. Hausmann	Tucson, Arizona	Fred Elaine Simpson	Phoenix, Arizona
Janette Ann Hendrickson	Tucson, Arizona	Dale Alan Smith	Yuma, Arizona
Regina Marie Hicks	La Junta, Colorado	Jane Elise Smith	Yuma, Arizona
Charles Walter Holt	Phoenix, Arizona	Wendene J. Smith	Montevideo, Uruguay
Alfred Lee Homer	Windsor Rock, Arizona	Stephany Lynne Sykes	Phoenix, Arizona
Thomas E. Hironck	Phoenix, Arizona	H. Keith Talberg	Poorita, Arizona
Lisa Susan Hunt	Phoenix, Arizona	Sheryl Jean Temple	Phoenix, Arizona
Gynthia Roberts Inskip	Phoenix, Arizona	Teresa Karen Tilley	Phoenix, Arizona
Ronna Poland Jordan	Farmington, New Mex.	Gaylen Hubert Uecker	Howard Lake, Minn.
Jim H. Kere	Phoenix, Arizona	Ellenore Ware Vance	Phoenix, Arizona
Fransis Kimbrell	Phoenix, Arizona	Georgia R. Wagman	Phoenix, Arizona
John Kodlick	Tamqua, Pennsylvania	Christopher Anthony Wakley	Anderson, Ga.
Russell Lake	Phoenix, Arizona	Jane Elizabeth Weinman	Phoenix, Arizona
Nancy Lynn Langford	Durango, Colorado	Evelyn Jeanette Wheeler	Wickenburg, Az.
Abdenn Kahir Lawal	Ibadan, Nigeria	Sarah Brooker Williams	Phoenix, Arizona
Judy G. Laxton	Spokane, Washington	Tracy Williams	Glendale, Arizona
Kenny Lewis	Tucson, Arizona	Jan Carwright Wislart	Phoenix, Arizona
Gary Don Lindchak	Phoenix, Arizona	Bruce Andrew Woods	Phoenix, Arizona
Victoria Linn	Phoenix, Arizona		

BACHELOR OF GENERAL STUDIES

James R. Walker

Phoenix, Arizona

CANDIDATES FOR DEGREES

May 26, 1979

BACHELOR OF ARTS

Dennis Ray Anderson
Linda Carol Ann Barbee
Terri Hamblin Baugh
Richard P. Beier
James Byron Blackman
Jenny Harris Blomeyer
Ronald Bodlander
Donna L. Booth
Roger D. Bradford
Ronald Lee Bransiter
Gerald Clyde Burgess
John O'Neill Caement
Richard Christenson
Jack M. Cozart
Joe W. Curtis
Glen B. Delander
Dorance Jerome Dillon
Mark E. Dorris
James C. Farris, Jr.
Terry James Fischer
Efram Figueroa Flores
Linda Daleyne Foster
Kenneth E. Garmon
Stephen Gose
Melanie Ann Graham
Michael E. Greiner
John Stephen Grubb
Charlie A.V. Guerrero
Delbert Henderson
John Edward Hernandez
Vernon D. Hesteman
June P. Hilderbrand
Shirilyn A. Hohman
Paul F. Hopson
Stephen Sidney Johnson
Jack Jones
Lawrence D. Lee
Ora Lowery
Buniece Lytle
Nell Marshall Martin
Steven William May

Phoenix, Arizona
Los Angeles, California
Phoenix, Arizona
Glendale, Arizona
Tucson, Arizona
Scottsdale, Arizona
Kings Park, New York
Glendale, Arizona
West Plains, Missouri
Phoenix, Arizona
Scottsdale, Arizona
Montezuma Creek, Utah
Sacramento, California
Rawlins, Wyoming
Berthany, Oklahoma
Phoenix, Arizona
Tempe, Arizona
Scottsdale, Arizona
Phoenix, Arizona
Phoenix, Arizona
Kingsville, Texas
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
West Plains, Missouri
Phoenix, Arizona
Morenci, Arizona
Big Springs, Texas
Bagdad, Arizona
Glendale, Arizona
Lincoln, Nebraska
Phoenix, Arizona
Lenox, Georgia
Phoenix, Arizona
Robbinsdale, Minnesota
Eloy, Arizona
Mesa, Arizona
Phoenix, Arizona
Tucson, Arizona
Flagstaff, Arizona

Virginia L. Ambrecht
Kenneth John Barker
Richard Alan Bacon
James E. Baird
Charles Thomas Balenmier
Timothy L. Barone

Phoenix, Arizona
Avondale, Arizona
Dallas, Texas
Glendale, Arizona
Phoenix, Arizona
Baker, Montana

Bonnie Jean McCollum
Timothy P. McLaughlin
James S. Middleton
Richard Daniel Miller
Michael Louis Minch
Mariana Mitchell
Susan Coy Morris
Samuel G. Norris
Cuthbert George Arendale Pantin
Kenneth Edward Parsons
James A. Perkins
John Franklin Phelps, Jr.
Rita Quay
Eugene Lewis Ramsey
William A. Reed
William R. Renn, Jr.
Gregory Michael Rhodes
David Henry Richards, Sr.
Ralph Leland Saunders, Jr.
Raymond C. Schnabel
Alicia Seward
Michael Leonard John Slewak
Janet Helen Sizemore
Cynthia Dianne Spofford
Marie A. Stahler
William P. Stancovich, Jr.
Everett H. Stockton, Jr.
Rodger Allan Strader
Barry Kent Sweet
Gene E. Turk
Paul H. Vice
Terry Alan Waddell
Shon Allen Wagner
Rita P. Walters
Mark Allen Ward
Michael Wayne Weir
Charles S. Wesner
James Russell Winger
Dian Maxine Yates
Mack Moon Sim Yee

Phoenix, Arizona
San Jacinto, California
Phoenix, Arizona
Phoenix, Arizona
Mesa, Arizona
Ballwin, Missouri
Phoenix, Arizona
Socorro, New Mexico
Port of Spain,
Trinidad, West Indies
Phoenix, Arizona
Vernon, Alabama
Phoenix, Arizona
Phoenix, Arizona
Atto, New Jersey
Tuscaloosa, Alabama
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Benson, Arizona
Madison, Indiana
Ignacio, Colorado
Phoenix, Arizona
Kokomo, Indiana
Phoenix, Arizona
Phoenix, Arizona
Eugene, Oregon
Pontiac, Michigan
Phoenix, Arizona
Gallup, New Mexico
Scottsdale, Arizona
Las Vegas, Nevada
Arizona City, Arizona
Phoenix, Arizona
Brea, California
Parker, Arizona
Somerton, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona

BACHELOR OF SCIENCE

Mark Steven Matthews
Lynn Michael Matthews
Mizzi G. McBride
James P. McChesney
Larry Lynn McDowell
Candace Loda McGhee

Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
New York, New York
Farmington, New Mexico
Tucson, Arizona

BACHELOR OF SCIENCE

Sally Jo Beardsley	Phoenix, Arizona	Charles A. Milo	Glendale, Arizona
Vanessa Lynn Boitz	Phoenix, Arizona	Robert Dale Milton	Phoenix, Arizona
Edward R. Bruckhage	Coolidge, Arizona	Cynthia Ruby Mims	Las Vegas, Nevada
William Taylor Bunes	Paradise Valley, Arizona	Gregory Neil Moore	Boulder City, Nevada
Rebecca Prairie Carlsie	Wittich, Arizona	Edward A. Morales, Jr.	Phoenix, Arizona
Kenneth E. Conner	Winslow, Arizona	Barbara Blanton Morris	Scottsdale, Arizona
Kenna L. Cooper	Phoenix, Arizona	Susan Carol Morris	San Ynez, California
Karen Elizabeth Cummings	Phoenix, Arizona	Judith Ann Mullings	Imperial, California
Marlene Joy Davis	Casade, Montana	Becky Lee Nelson	Phoenix, Arizona
Beth Elaine Dawkins	Phoenix, Arizona	Sherrie Lynn North	Tucson, Arizona
Joseph T. Dean	Phoenix, Arizona	Janice Irene Oestric	Lansing, Michigan
Donald D. Deardoff	Farmington, New Mexico	Nancy R. Owen	Phoenix, Arizona
Robert A. Decker	Phoenix, Arizona	Richard Lee Page	Phoenix, Arizona
Valerie De La Torre	Miami, Arizona	James Pappas	Chicago, Illinois
William R. Dent	Phoenix, Arizona	Gordon Kent Phillips	Yuma, Arizona
Adolph G. Diaz	Phoenix, Arizona	John C. Pierson	Phoenix, Arizona
Stephen Edwin Doolittle	Phoenix, Arizona	Timothy James Poole	Phoenix, Arizona
Alfred Lee Eartco	Morenci, Arizona	John E. Reavis	Phoenix, Arizona
Deborah Sue Ermonian	Phoenix, Arizona	Mary Reinhardt	Glendale, Arizona
Christopher M. Fahrendorf	Glendale, Arizona	Melody Rhoads	Phoenix, Arizona
Robert Ogden Fetters	Tempe, Arizona	Leandro Rodriguez	Del Rio, Texas
Henry Thomas Fergus	Goodyear, Arizona	Daniel Lee Rogers	Eloy, Arizona
Alton Fletcher	Kingston, Jamaica	David D. Rogers	Eloy, Arizona
Laurie Jeanne Fosters	Lakewood, Colorado	Richard Lee Rolfs	Benson, Arizona
Andrey I. Girard	Scottsdale, Arizona	Thomas J. Rosal	Sierra Vista, Arizona
Wanda Sue Green	Peoria, Arizona	Mary Elizabeth Rummel	Prescott, Arizona
Carolyn Lee Hamblen	Phoenix, Arizona	Richard James Schell	Wheatridge, Colorado
Ernest F. Hamm, Jr.	Phoenix, Arizona	Elizabeth Marie Sanchez	Phoenix, Arizona
Larry E. Hayes	Pacoima, California	Terry Carl Schmidt	Glendale, Arizona
David S. Holt	St. Charles, Missouri	Sylvia Schwartz	Phoenix, Arizona
Carol Sue Holmes	Phoenix, Arizona	Sarah Louise Shiles	Philadelphia, Pennsylvania
Don L. Hook, Jr.	Fresno, California	Billie James Simmons	Fort Worth, Texas
Larry J. Hugen	Phoenix, Arizona	Susan Rebecca Slater	Phoenix, Arizona
Andrew L. Incardona	Phoenix, Arizona	Darrel A. Small	Phoenix, Arizona
Linda Martin Jynnes	Peoria, Arizona	Barbara Gail Smith	Phoenix, Arizona
Jo Dell Marian Jenkins	Glendale, Arizona	Myra Huson Smith	Billings, Montana
Mildred Jean Jones	Phoenix, Arizona	Piscilla Lynn Hoehne Smith	Phoenix, Arizona
John Thomas Kelly	Phoenix, Arizona	W. Gregory Smith	Reading, California
Susan Marlene Kemmon	Glendale, Arizona	Jeanne Shepleus	Stanfield, Arizona
David Gulic Kent	Phoenix, Arizona	Nathaniel Stokes, Jr.	Detroit, Michigan
Nancy Jo Kerr	Ajo, Arizona	James E. Takes	Phoenix, Arizona
Lyndee Kay Kindlow	Glendale, Arizona	Sherlyle A. Talley	Phoenix, Arizona
Diana Klatis	Oak Lawn, Illinois	Daniel R. Telkamp	Phoenix, Arizona
Lynn Elliot Klicwter	Phoenix, Arizona	Forest Uli Uretchack	Phoenix, Arizona
Shari Ann Knight	Dallas, Texas	Susan Gail Hays Vandervoort	Scottsdale, Arizona
David E. Lait	Phoenix, Arizona	Matthew C. Verslus	Glendale, Arizona
H. David Landry	Phoenix, Arizona	Stephen David Vogtler	Phoenix, Arizona
Nancy Lynne Langford	Durango, Colorado	Joel Ira Wallace	Yuma, Arizona
Loggman Remy Lawal	Baden, Nigeria	Lori Susan Wang	Phoenix, Arizona
Dale H. Merrens Link	Phoenix, Arizona	Laura Ann Ward	Phoenix, Arizona
Nathan Lynch	Tucson, Arizona	Anna Lorraine Warner	Phoenix, Arizona
Charles Joseph Mas	San Antonio, Texas	Gary Howard West	Phoenix, Arizona
Jane Kay Malowsky	Phoenix, Arizona	Suzanne Williams	Phoenix, Arizona
Rosa Elva Martinez	Los Angeles, California	Deborah Fay Worters	Phoenix, Arizona

BACHELOR OF GENERAL STUDIES

Gary Allen Williams

Glendale

UNDUPLICATED ENROLLMENT STATISTICS

June 1, 1977—May 31, 1979

STATES REPRESENTED IN STUDENT BODY

1977-78		1978-79		1977-78		1978-79	
1	2	Alabama	4	7	Montana		
6	4	Alaska	3	2	Nebraska		
1352	1185	Arizona	19	12	Nevada		
5	4	Arkansas	-	1	New Hampshire		
26	34	California	5	6	New Jersey		
28	17	Colorado	34	25	New Mexico		
1	2	Connecticut	5	9	New York		
4	4	Florida	1	1	No. Carolina		
1	1	Georgia	2	2	No. Dakota		
2	2	Hawaii	6	2	Ohio		
3	3	Idaho	3	5	Oklahoma		
5	6	Illinois	13	10	Oregon		
2	5	Indiana	3	4	Pennsylvania		
-	2	Iowa	1	2	So. Carolina		
1	1	Kansas	9	6	Texas		
1	-	Maine	5	5	Utah		
-	2	Maryland	1	2	Virginia		
-	1	Massachusetts	13	13	Washington		
9	4	Michigan	-	1	West Virginia		
6	3	Minnesota	1	3	Wisconsin		
5	5	Missouri	2	3	Wyoming		
			1589	1408	TOTALS		

STUDENTS FROM FOREIGN COUNTRIES

1977-78	1978-79	1977-78	1978-79
0	1	Br. Ind. Ocean Terr.	2
1	1	Canada	1
1	0	Gambia	1
1	1	Ghana	1
0	2	Hong Kong	1
1	1	Iran	1
2	2	Israel	0
1	0	Japan	14
			15
			TOTALS
			2
			0
			1
			1
			2
			0
			1
			U.S. Misc. Caribbean Is.
			Uruguay
			Thailand
			Saudi Arabia
			Panama Canal Zone
			Pakistan
			Nigeria

ENROLLMENT STATISTICS

June 1, 1977—May 31, 1979

	1977-78		1978-79	
	Women	Men	Women	Men
Freshmen	92	118	210	177
Sophomores	126	119	245	105
Juniors	60	90	150	72
Seniors	244	350	594	114
Specials	189	154	343	120
5th Year	13	17	30	125
Auditors	18	13	31	2
			1603	11
			31	5
			1423	16

RELIGIOUS AFFILIATION OF STUDENTS ENROLLED

June 1, 1977—May 31, 1979

1977-78 1978-79 1977-78/1978-79

-	2	Anglican	1	1	Friends (Quaker)
3	2	Apostolic Christian	1	1	Full Gospel
-	1	Apostolic Faith	3	-	Greek Orthodox
19	16	Assembly of God	13	12	Interdenominational
2	1	Baha'i	1	-	Jehovah's Witness
630	516	Baptist Southern	20	17	Latter Day Saints
129	125	Baptist - Other	6	8	Jewish
36	23	Bible	59	51	Lutheran
4	4	Brethren	6	9	Mennonite
-	1	Buddhist	89	61	Methodist
136	114	Catholic	2	1	Moslem
2	3	Charismatic	3	-	Missionary
43	41	Christian	15	15	Nazarene
1	-	Christian Science	3	26	Non-denominational
23	13	Church of Christ	9	7	Pentecostal
17	9	Church of God	37	24	Presbyterian
8	8	Congregational	2	1	Salvation Army
4	2	Covenant	4	-	Seventh Day Adventist
25	19	Episcopal	2	1	United Brethren
2	2	Evangelical Free	3	3	Wesleyan
1	1	Four Square			No Membership
		Gospel	215	278	indicated
9	4	Free Methodist	1603	1423	TOTALS

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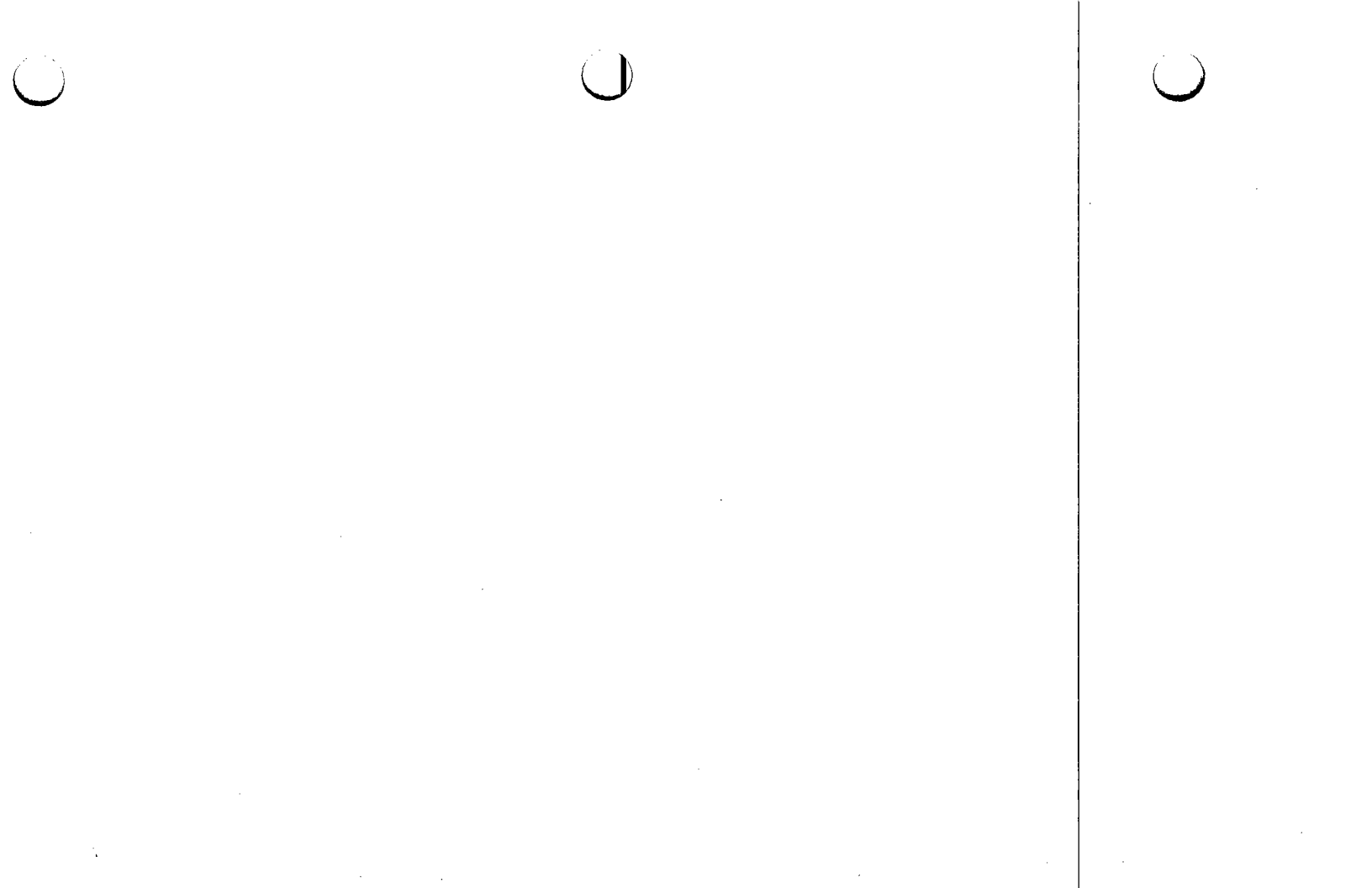
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