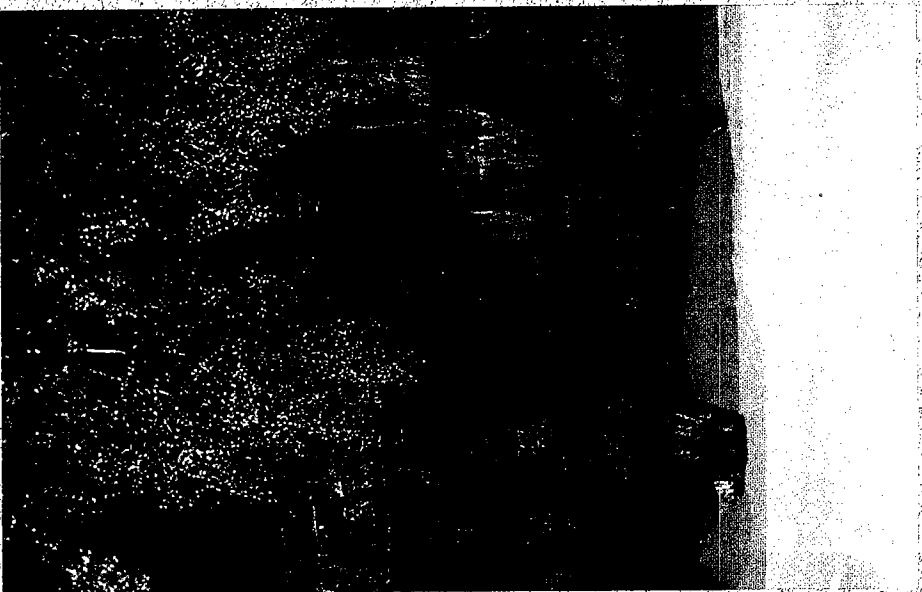


CATALOG 1986-87/1987-88



GRAND CANYON COLLEGE

Grand Canyon College

**Catalog for
1986-87 and 1987-88**

*A Christian
Liberal Arts College
Owned and Operated
by Arizona
Southern Baptists
Founded in 1949
3300 W. Camelback Road
Phoenix, Arizona*

Volume
XXXI
May 1986



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.

FOREWARD

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 College informs students of the Family Educational Rights and Privacy Act of 1974. This Act, with which the institution wishes 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 85061-1097

General Policy, Gifts and Endowment,
Legal Matters

President of the College

Academic Matters, Faculty, Curriculum,
and Program

Academic Dean

Admissions, Catalog

Registrar

Expenses, Financial Arrangements,
Student Employment on Campus
Student Employment off Campus

Director of Financial Aid

Director of Placement

Director of Financial Aid

Director of Student Housing
Vice President for Planning
& Development

Dean of Students

Director of Public Relations
Director of Teacher Education

Associated Students, Student Publications

Publicity Materials

Teacher Education

Veterans' Affairs

Director of Financial Aid

Summer School

Academic Dean

Alumni Affairs

Director of the Alumni Association

INFORMATION FOR VISITORS

The Administration Buildings face toward Camelback Road on Administration Avenue. Office hours are 8 a.m. to 5 p.m., Monday through Friday. 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, Independence Day, Veteran's Day and Labor 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 contacting the Academic Dean. Telephone: Area Code 602, 249-3300.

TABLE OF CONTENTS

I. ACADEMIC CALENDAR	6
II. GENERAL COLLEGE INFORMATION	9
III. FINANCIAL INFORMATION	23
IV. STUDENT LIFE	41
V. ADMISSION POLICIES AND PROCEDURES	55
VI. GENERAL ACADEMIC REGULATIONS	63
VII. GRADUATION REQUIREMENTS	77
VIII. DEPARTMENTS OF INSTRUCTION COURSE DESCRIPTIONS	
Business and Economics	89
College of Education	103
Health and Physical Education	119
History, Social Sciences and Psychology	125
Humanities (Art, English, Modern Languages)	141
Natural Sciences and Mathematics	157
Performing Arts (Music, Drama, Theatre/Speech)	171
Religion	197
Samaritan College of Nursing of Grand Canyon College	205
Reserve Officers Training Corps	211
IX. PERSONNEL	221
X. INDEX	233

ACADEMIC CALENDAR

1986													
MAY							JUNE						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
4	5	6	7	8	9	10	1	2	3	4	5	6	7
11	12	13	14	15	16	17	8	9	10	11	12	13	14
18	19	20	21	22	23	24	15	16	17	18	19	20	21
25	26	27	28	29	30	31	22	23	24	25	26	27	28
							29	30					
JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5			1	2	3	4	5	6	7
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30
							31						
SEPTEMBER							OCTOBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6		1	2	3	4			
7	8	9	10	11	12	13	5	6	7	8	9	10	11
14	15	16	17	18	19	20	12	13	14	15	16	17	18
21	22	23	24	25	26	27	19	20	21	22	23	24	25
28	29	30					26	27	28	29	30	31	
NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1	1	2	3	4	5	6	
2	3	4	5	6	7	8	7	8	9	10	11	12	13
9	10	11	12	13	14	15	14	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30	31			
30													

SUMMER SESSIONS

1987	1988
Jun 5	June 3
Jun 8-9	June 6-7
July 10	July 7
July 13-14	July 8
Aug 13	July 11-12
	Aug 11

1st Term Registration
1st-Term

2nd-Term Registration
2nd-Term

FALL SEMESTER

1986	1987
Aug 21	Aug 20
Aug 22, 25	Aug 21, 24

Dormitories open for new students (after 6 p.m.)

Conferences, placement tests, and orientation for new students

Aug 25	Aug 24
Aug 26	Aug 25

Faculty Workshop

Registration for seniors, 5th year, Second degree, Juniors, and Sophomores

Aug 27	Aug 26
--------	--------

Registration for Sophomores, Freshmen and unclassified

Aug 28	Aug 27
--------	--------

Instruction begins, day and evening classes

Aug 28,	Aug 27, 31,
---------	-------------

Evening registration

Sept 1, 2	Sept 1
-----------	--------

Labor Day — evening classes meet

Sept 8	Sept 8
--------	--------

Last day to register for credit

Oct 20-24	Oct 19-23
-----------	-----------

Mid-terms

Oct 27	Oct 26
--------	--------

Mid-term grades reports due by noon

Nov 7	Nov 6
-------	-------

Last day to drop courses without penalty

Nov 10	Nov 9
--------	-------

Veteran's Day (evening classes meet)

Nov 27-28	Nov 26-27
-----------	-----------

Thanksgiving Holidays

Dec 12, 15-18	Dec 11, 14-17
---------------	---------------

Final Exams

Dec 22	Dec 21
--------	--------

Grade reports due by noon

Dec 22-23	Dec 21-22
-----------	-----------

Christmas Holidays

Jan 5	Jan 4
-------	-------

STUDENT TEACHING

1986	1987
Aug 28	Aug 27
Sept 3	Sept 2
Sept 12	Sept 11
Oct 2	Oct 1
Oct 6	Oct 5
Dec 12	Dec 11

Education Block classes begins

Last day to register for Education Block courses

Last day to drop Education Block courses without penalty

Education Block courses end

Fall Student Teaching begins

Fall Student Teaching ends

2

1

ON

1140	
------	--

0.0010	0.0010
--------	--------

[illegible][illegible]

—

END

1140

0.0010	0.0010
--------	--------

[illegible]

11

General College Information

Purpose of the College
Christian Emphasis
Governing Body
Faculty
Students
Accreditation
Approvals
Teacher Education
Pre-Professional Training
Computer Center
Evening Classes
January Term
Summer Sessions
Historical Sketch
Location
Campus Map
Campus
College Publications
Alumni Association



PURPOSE OF THE COLLEGE

Grand Canyon College was chartered in 1949 by the Baptist General Convention of Arizona to provide liberal arts and professional degree programs which emphasize academic excellence in an environment where a Christian perspective is maintained. The College strives to attract capable, responsible and moral people who can contribute to and profit by such an environment.

In emphasizing a liberal education which supports

professional competency, the College seeks to develop in individuals a recognition of spiritual realities, competence in scholarship and critical thinking, an international perspective, an appreciation of aesthetic values, habits of good health and an understanding of their heritage. As a result, Grand Canyon students are distinguished by their ability to offer leadership and service under the Lordship of Christ.

CHRISTIAN EMPHASIS

Grand Canyon College provides a Christian atmosphere where religious issues are discussed, spiritual renewal is encouraged, and the relevance of Christianity to our culture is explored. The Christian emphasis of the College finds expression in

both formal and informal activities.

Formal activities include attendance at chapel services and courses in Old and New Testament History which are required for graduation. Classes in every department explore the



integration of the Christian faith with their discipline. Once each semester and during the Staley Lecture Series in January, the College allocates special times for outstanding Christian leaders to speak to the student body.

Activities sponsored by the College which have a Christian emphasis also include the Baptist Student Union, Ministerial Association, SOWers, and other student clubs. An active missions program has resulted in students and faculty serving in more than a dozen foreign countries in the past year.

The College encourages an atmosphere supportive of Christian ideals in the classrooms, in the residence halls, on the

athletic field and in every College activity.

Many students coming to Grand Canyon College are confident and clear about their religious faith; others are uncertain, indifferent, or uninformed. The interaction 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

Grand Canyon selects its instructional staff to fulfill its mission, 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 determined by a process which includes both student and peer evaluations. Desirable personality traits for faculty include friendliness, fairness, mindedness, sympathetic understanding, a sense of humor, self-control, and humility.

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 excellent 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 National League for Nursing and the Arizona State Board of Nursing accredit the

College for the Bachelor of Science in Nursing degree.

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

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 61.)

APPROVALS

Grand Canyon College is approved for training eligible students in the following government programs: Veterans

Education, Indian Health Service, Vocational Rehabilitation, Tribal Agencies, and Bureau of Indian Affairs.

TEACHER EDUCATION

The College offers training for prospective teachers for the elementary and secondary levels. A student teaching program is possible by contract agreement with various public and private schools in Arizona.

All requirements for an elementary, special education, or secondary teaching certificate may be met at Grand Canyon College. The teacher education curriculum is described on pages 109-113.

PRE-PROFESSIONAL TRAINING

Pre-law

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

The minimum requirements for admission to law school vary from three years of college preparation to a college degree. Whenever possible, a course of study should be arranged to fit the particular suggestions and requirements of the law school which the student wishes to attend. A broad preparation in English, history, government, and economics is recommended. Pre-law students are also advised 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 pre-legal education should include the development of comprehension and articulate communication, critical understanding of human institutions, and creative power in thinking.

Health Fields

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 medical technology, physical therapy or other careers in health science may also complete their preliminary work at the College. Students interested in a career in nursing may obtain a Bachelor of Science in Nursing degree 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. (See page 158 for requirements.)

Through an arrangement with Arizona State University in 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.

Reserve Officers Training Corps

An advisory office is available to students interested in the Reserve Officers Training Corps. Contact the Department of Military Science at Arizona State University. Assistance in curriculum planning and information on admission in procedures is provided.

COMPUTER CENTER

The College provides academic and administrative computing support using a VAX 11/750 computer manufactured by Digital Equipment Corporation. The computer supports both batch and timesharing operation, using a variety of high-level languages.

A microcomputer laboratory utilizing IBM personal computers

is also available to students. Word processing, electronic spread sheets, and other useful software packages are provided.

The Computer Center gives periodic seminars to introduce students to the equipment in the Center and to help students integrate 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.

Two types of courses are offered during January Term. Those with the JAN prefix are graded on a credit/noncredit basis. These courses are 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. In addition, students may choose to take courses offered for departmental credit which will count toward a major or minor and receive a letter grade.

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 \$25 special activities fee. For courses which include tours, additional cost is based upon expenses of the tour. Students who are enrolled for the Fall semester may pre-register for January Term. One January Term is required for each 42 hours

earned in residence at Grand Canyon College.

Students not regularly enrolled in Grand Canyon College may register for the January Term the first day of classes from 8-10 a.m. and may receive a schedule of offerings by writing the Academic Dean.

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 Registrar.

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

**Student
Teaching
during the
Summer
Sessions**

College graduates who are admitted to the Fifth

Year teacher training program may enroll for eight hours of elementary, special education or secondary student teaching during the summer session if the public or private schools are also in session. The student teaching experience begins on a limited basis in April and continues into July, *Prerequisites:* all the courses listed for Elementary, Special, or Secondary certificate programs as outlined in the College 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 must meet with the Dean of the College of Education and submit the following documents:

1. Official Evaluation form from the State Department of Education.
2. Passage of the Basic Skills component of the Arizona Teacher Proficiency Examination (ATPE).
3. Completion of 12 hours in residence at Grand Canyon College to include SED 442, 443, 452, and 462 or 12 hours in Elementary Education to be selected from EED 323, 343, 463, 402, or 433.
4. Maintenance of 2.5 GPA at Grand Canyon College.

All students must complete regular matriculation requirements with the Registrar's Office before entering the teacher education program.

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 a 70-acre tract on West Camelback Road at Thirty-Third Avenue.

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 Whitits (acting president), 1977-78
- Bill R. Williams, 1978-

LOCATION

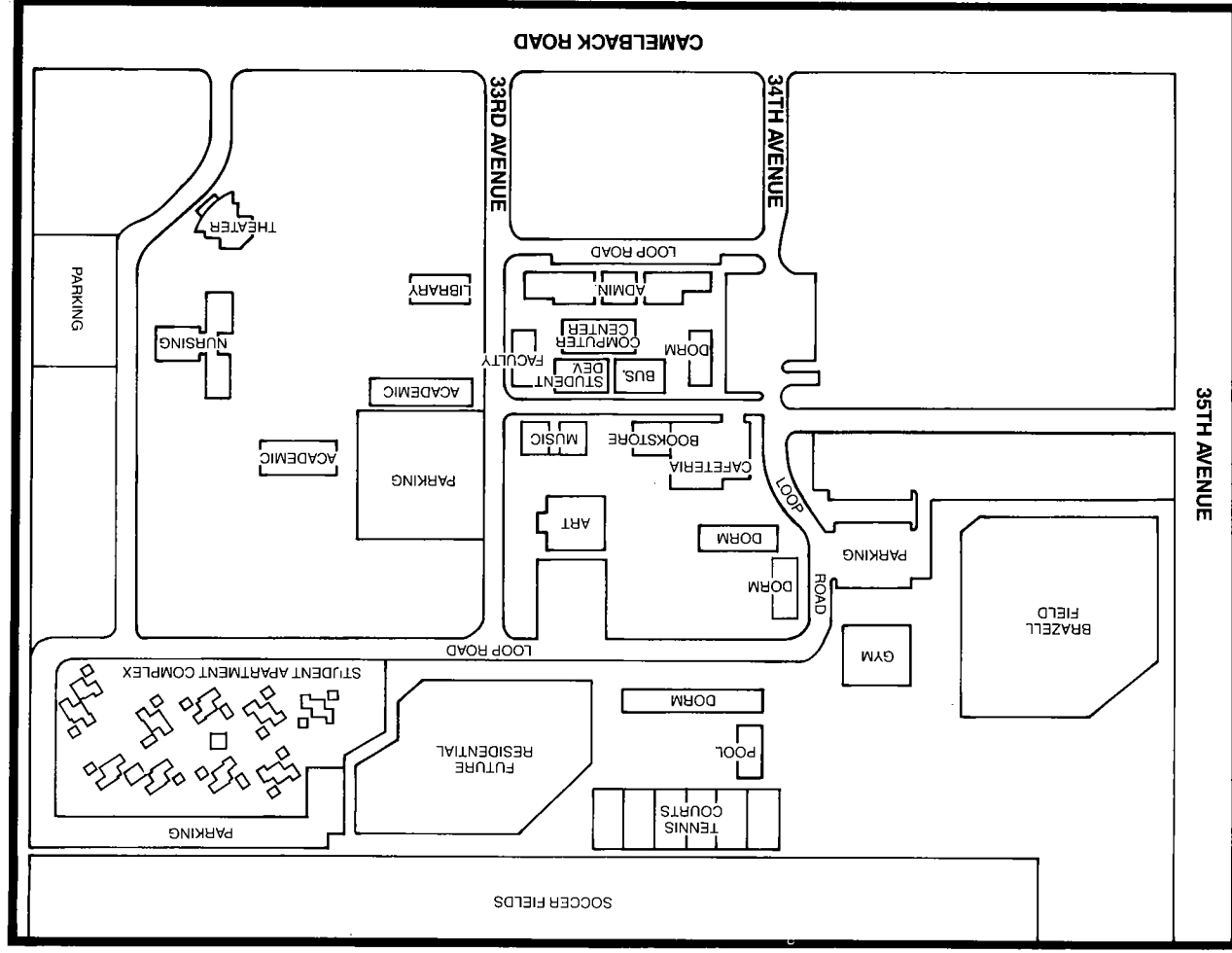
The College is located in the northwest area of Phoenix, the capital city of Arizona. Phoenix is near the geographical center of the state and is a thriving industrial and agricultural city with a population over 1.6 million in the metropolitan area. Located near many places of interest, such as the Grand Canyon, the Petrified Forest, Montezuma Castle, Oak

Creek Canyon, Walnut Canyon, and Superstition Mountains, Phoenix is one of the notable winter resorts of America. Phoenix is easily accessible over transcontinental Interstate Highways 10 and 17. Convenient airline connections are available through Sky Harbor International Airport.

CAMPUS

The College has 70 acres available for development of its campus. The original buildings were constructed in 1951 of pumice block in a 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 surround-



ing 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

The College is indebted to Dr. and Mrs. William Fleming for the funds which built Fleming Library when the College was still in its infancy.

The Fleming Library

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 over 100,000 volumes, including part of the collection from the former Prescott College given by Robert I. Shattner. Currently the library receives over 350 periodicals with more than 400 titles on microform. The library is also a selective Federal Depository. Online searching and Interlibrary Loan services are available.

Library of Recordings

There are over 3,000 sound recordings in Fleming Library. Many were donated by Chet Brantner, an Arizona cowboy, or by Bud Glaze, a Phoenix businessman. A separate music listening room is located on the second floor of the library. New equipment as of November 1985 greatly expanded the listening capabilities and includes compact disc players.

Athletic Facilities

Antelope gymnasium is the home court of the 1975 and 1978 NAIA basketball champions. With a seating capacity of approximately 1,000, the gym also provides facilities for the women's volleyball team, intramural sports and physical education classes. It contains locker and shower facilities and equipment rooms for men and women, as well as office space and classrooms.

quarters in 1964 and a dormitory addition was completed in 1967. The Ethington Memorial Little Theater was constructed in 1973. The Tell Science Building in 1977, the Wallace Building in 1982, and the Smithy-Parker Building housing the President's office in 1983. The Dr. C.J. and Thelma Smith Arts Complex was dedicated in 1984 and the Samaritan College of Nursing in 1985.

All buildings are cooled in the summer.

The varsity baseball team, NAIA National Champions in 1980, 1981, 1982, and 1986, plays on Brazell Field. Recent renovations include a new electronic scoreboard and a lighting system for night games.

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.

In 1985 lights were installed at the Youngker Tennis Center and a heated swimming pool was opened for recreational use.

Dormitories

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

Kachina Hall is an honors dorm which houses 28 women. Upperclass women who qualify may apply to live in Kachina.

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 men students.

The Weidenaar Dormitory was completed in 1981. This modernly furnished, two-unit, modular construction houses 60 women. Funds for construction of these facilities were made possible by Mr. and Mrs. Conrad Veen. The Weidenaar name is in honor of Mrs. Veen's parents. Another modular unit, Mariposa, built behind Bright Angel Hall, houses 32 women.

The new Student Apartment Complex is scheduled for completion in September 1986. These two- and three-story units will double the available housing on campus and provide the first permanent housing for married students.

Charles M. Cook 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 a former 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.

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

**Fleming
Classroom
Building**

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

**Ethington
Memorial
Little Theater**

This building serves as a small auditorium for lectures, plays, concerts, and recitals.

**Tell
Science
Building**

The Tell 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. The building is completely equipped for laboratories in biology, chemistry, physics, and environmental science.

Mrs. W. C. Henderson's life-long interest in missions was a personal commitment. She was active in every facet of the mission organization. It is fitting that Arizona Southern Baptists honor Mrs. W. C. Henderson by providing a home for the furloughing missionary who serves as Missionary-In-Residence at Grand Canyon College.

**Mrs. W.C.
Henderson
Missionary-In-
Residence
Home**

This quadrangle of studios, classrooms, and the Andrew P. Tell Art Gallery provides an excellent teaching facility for art students. Finished in 1984, the complex contains studios for painting, drawing, ceramics, jewelry, printmaking, sculpture, and a complete darkroom.

**Smith Arts
Complex**

This 16,000-square-foot facility was dedicated in 1985 to Samaritan Health Service in gratitude for their support of the College of Nursing. It contains classrooms, offices, a 120-seat lecture hall, a nursing skills lab and a learning resource center.

**Samaritan
College of
Nursing**

Class Bulletins are published for the Fall and Spring Semesters, January Term, and Summer School.

COLLEGE PUBLICATIONS

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 former students who have completed a minimum of 12 semester hours in residence. Only graduates may hold elective offices.

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 may pre-register for January Term as part of the Fall semester enrollment.

The expenses of a student are due and payable at the beginning of each semester 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 MasterCard charges.

Students may not receive 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*

*Figures are for the Summer Sessions 1987 and the Academic Year 1987-88. (Subject to change)

Academic Year, Including Evening School Tuition, per semester hour \$106.
Audit fee, per semester hour (Scholarships do not apply) 53.

General fee

9 hours or more, per semester 75.
8 hours or less (parking included), per semester hour 6.

Parking fee, September 1 through August 31 30.
Room (Double Occupancy) 475.

Fall semester 475.
Spring semester 475.

January Term 90.

For three (3) persons to a room a 15% discount is given
Board (Jan. Term) 100.

Meals

Minimum charge 550.

Center For Biblical Studies

Tuition and all fees, per semester hour \$ 53.

Summer School

Tuition, per semester hour (Scholarships do not apply) \$106.

Audit fee, per semester hour (Scholarships do not apply) 53.

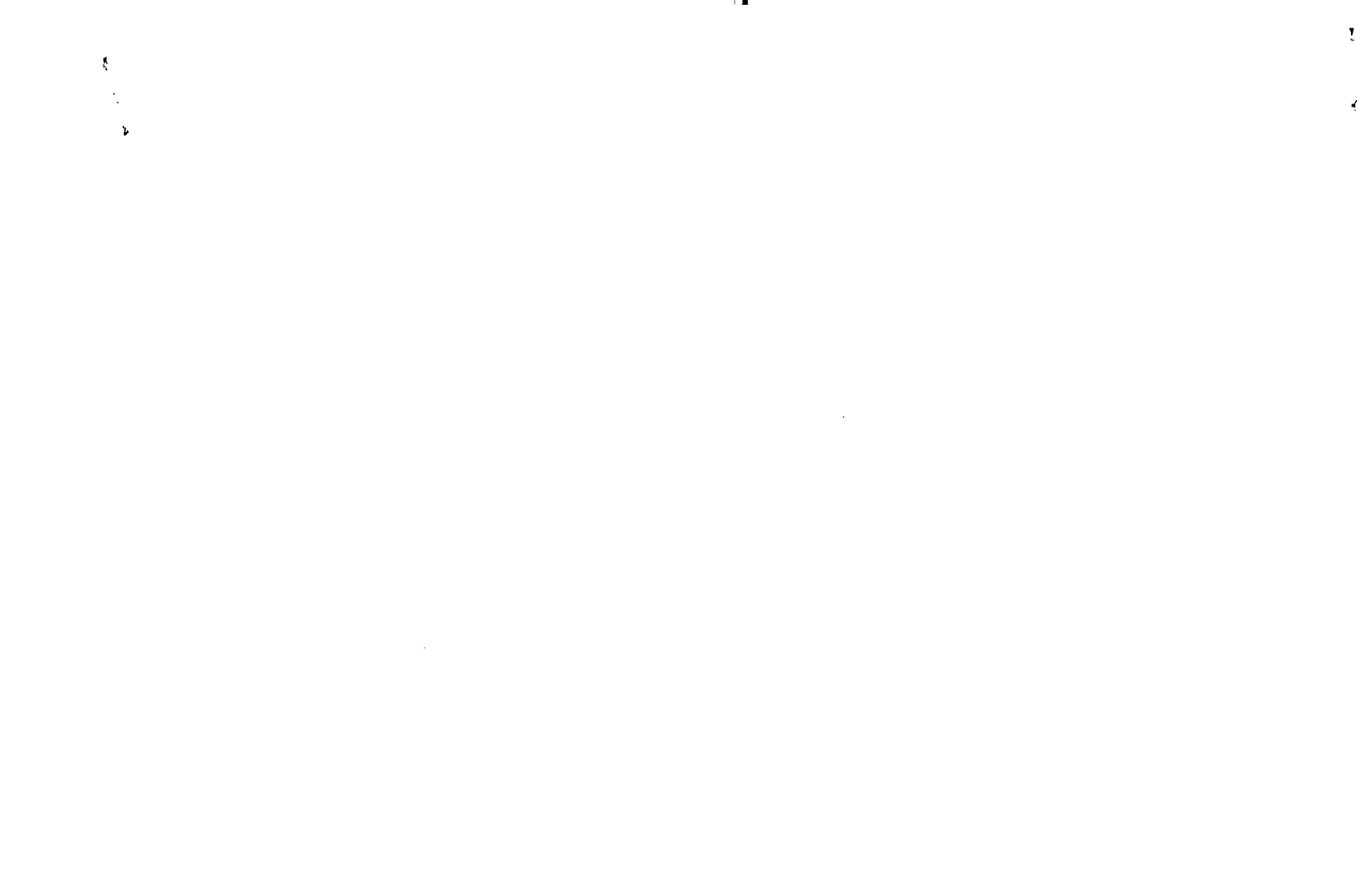
General fee, per 5-week term 6.

Parking fee, June 1 through August 31 15.

Room, per term 100.

If taking 6 hours or more 80.

Room, per week 30.



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 may pre-register for January Term as part of the Fall semester enrollment.

The expenses of a student are due and payable at the beginning of each semester 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 MasterCard charges.

Students may not receive 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.

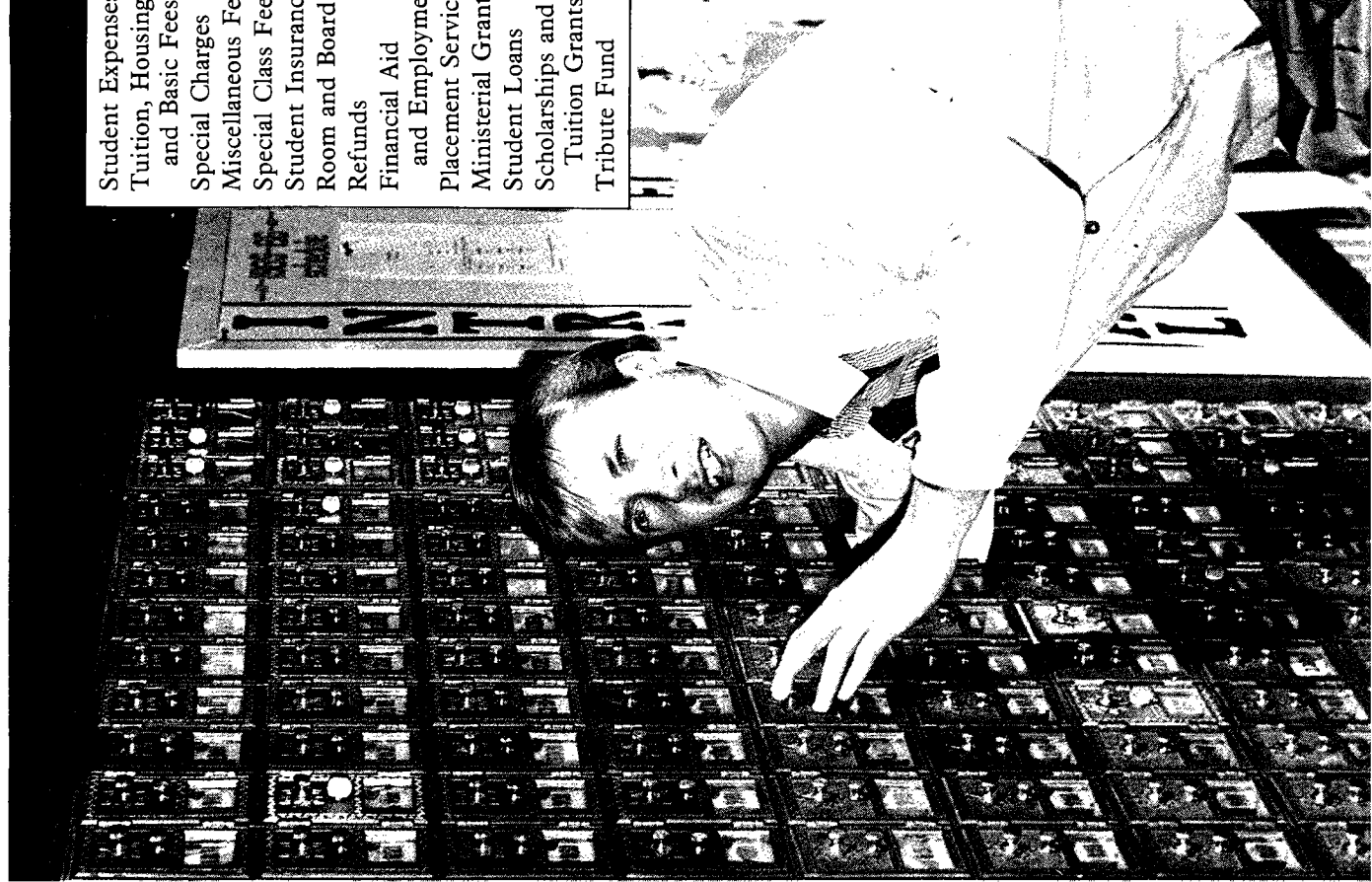
TUITION, HOUSING, AND BASIC FEES*

*Figures are for the Fall semester 1986 and are subject to change.

Academic Year, Including Evening School	Tuition, per semester hour	\$ 97.00
	Audit fee, per semester hour (Scholarships do not apply)	49.00
	General fee	70.00
	9 hours or more, per semester	
	8 hours or less (parking included), per semester hour	5.00
	Parking fee, September 1 through August 31	25.00
	Room (Double Occupancy)	
	Fall semester	400.00
	Spring semester	400.00
	January Term	85.00
	For three (3) persons to a room a 15% discount is given	
	Board (Jan. Term)	100.00
	Meals	
	Minimum charge	500.00
Center For Biblical Studies	Tuition and all fees, per semester hour	\$ 49.00
Summer School	Tuition, per semester hour (Scholarships do not apply)	\$ 97.00
	Audit fee, per semester hour (Scholarships do not apply)	49.00
	General fee, per 5-week term	10.00
	Parking fee, June 1 through August 31	10.00
	Room, per term	100.00
	If taking 6 hours or more	80.00
	Room, per week	30.00
	Board, per term	125.00

Financial Information

Student Expenses
Tuition, Housing
and Basic Fees
Special Charges
Miscellaneous Fees
Special Class Fees
Student Insurance
Room and Board
Refunds
Financial Aid
and Employment
Placement Services
Ministerial Grants
Student Loans
Scholarships and
Tuition Grants
Tribute Fund



SPECIAL CHARGES

Application fee (non-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 100.00

(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

Charges 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 will be charged against individual student accounts in the Business Office. Students are expected to clear their accounts before the end of each semester.

MISCELLANEOUS FEES

Late entrance examination fee \$ 5.00
Late registration fee 15.00

(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.)

Drop/Add fee 10.00
Course changes after close of regular registration 10.00
Interest charges on unpaid balance at Business Office, per month 1%
Late examination fee (for any major exam) 5.00
Special examination, per semester hour or credit equivalent 12.50
Graduation fee 25.00
Transcript of credits, except the first 1.00
Dormitory dues, per semester 5.00
Post office box rental, per semester 2.00
Registration of second car 2.00
Student Identification 2.00
Returned checks, per check 10.00
Typing proficiency test 10.00
Student Insurance (Sickness and accident, per semester (approximately)) 115.00

(See page 27)

Placement fee (initial fee paid during the term of student teaching or upon request for service of the Education Placement Office;
includes 20 brochures) 25.00

Additional Placement Brochure, each 2.50

SPECIAL CLASS FEES

Independent Study (includes Reading & Conference courses, Practicums) . . . \$ 25.00
 January Term 25.00

Art

Introduction to Art \$ 5.00
 AR 243 Photography I 40.00
 AR 343 Photography II 40.00
 All other Art Classes 20.00

Education

EED 480/SED 480 Student Teaching
 (per semester hour) \$ 10.00
 SPE 408/418 Student Teaching (per semester hour) . . 10.00
 EDU 103/113 Reading Skills for Success in College . . 20.00
 EDU 363 Instructional Media 25.00
 EDU 413 Tests & Measurements 25.00
 Student Teaching within 25-50 miles 50.00
 Student Teaching outside of Maricopa County 100.00
 SPE 333 Diagnosis of Learning Problems 15.00
 PSY 363 Intro to Statistics (computer fee) 25.00
 PSY 367 Experimental Psychology lab fee 25.00

Music**Department****and****Performing Arts**

MAP All Private Lessons
 (1 semester hour) \$100.00
 (2 semester hours) 170.00
 MUS All Class Lessons 25.00
 MAP 390, MUS 300 Junior Recital 20.00
 MAP 490, MUS 400 Senior Recital (B.A.) (full) 30.00
 MAP 400 Senior Recital (B.S.) (short) 20.00
 GTR All one hour classes 100.00
 GTR All two hour classes 200.00
 MED 211/221/231 5.00
 MED 232/241/251/262 15.00
 MUS 353 Opera Workshop 35.00
 ORG 111/121 Class lessons 25.00
 ORG 131/331 Private lessons (per semester hour) . . . 100.00
 ORG 132/332 Private lessons (per semester hour) . . . 100.00
 PNO 111/113/121 Class lessons 25.00
 PNO 131/331 Private lessons (per semester hour) . . . 100.00
 PNO 132/332 Private lessons (per semester hour) . . . 100.00
 VOI 111/121 Class lessons 25.00
 VOI 131/331 Private lessons (per semester hour) . . . 100.00
 VOI 132/332 Private lessons (per semester hour) . . . 100.00

Nursing

NUR 202 \$ 12.00

Natural Science**and****Mathematics**

Science Lab fee (for each lab course) \$ 25.00
 Environmental Science Field Study 25.00
 (Deposit refundable — field trip involved)
 (This course is offered during the summer
 only and is not listed in the catalog.)

Computer Lab Fee (per course) 20.00

Other

All Instructional Media Classes \$ 25.00

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 August 15, 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 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 \$5 per day for students who stay in the dormitories when school is not officially in session (during Christmas and Thanksgiving 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 \$7.50 per night; for two people in the guest room, \$25 per night.

A student is charged for his board at the time he registers. The cafeteria is closed during Thanksgiving, Christmas, and Spring holidays.

Individual meals may be purchased for cash at moderate cost at the cafeteria by commuting students, members of the College staff, and guests.

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 on next page.

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 determined by the date the student files a completed withdrawal form with the Business Office.**

The minimum charge for any day student withdrawing from

school is \$25 regardless of whether the student has attended classes. Minimum charge for withdrawing from Evening School is \$5.

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	During first week of classes.....	100% of tuition & fees
		\$ 25.00 complete withdrawal
	During second week of classes	10.00 for one or more hours
	During third week of classes	80% of total tuition
	During fourth week of classes	60% of total tuition
	During fifth week of classes	40% of total tuition
Fees	After five weeks	20% of total tuition
	Fees are not refundable after the first week of classes.	No refund
Room and	Minimum dormitory rental charge	\$ 100.00
	Residence between two and three weeks	60% of charge
Board	Residence between three and four weeks	40% of charge
	Residence between four and five weeks	20% of charge
	After five weeks	No refund
	No refunds given without proper dorm checkout form.	

January Term refunds

Tuition	Full refund of tuition & fees through second day of classes.	
	January, third day of classes	75% of total tuition
	January, fourth day of classes	50% of total tuition
	January, fifth day of classes	25% of total tuition
	January, after first week of classes	No refund
Room	Minimum charge—January withdrawal	\$ 40.00
Board	Maximum of \$100 in returned coupons upon withdrawal before January 1. No refunds for off-campus courses or tours other than 10% up to \$25 maximum of returned coupons.	

Summer School refunds

Tuition	Registration without attendance (minimum charge) . \$ 10.00	
	Attendance 1-3 days	75% of tuition
	Attendance 4-5 days	50% of tuition
	Attendance 6-7 days	25% of tuition
	After 7 days	No refund
Fees	Fees are not refundable after the first week.	
	Residence 1-3 class days	75% of charge
	Residence 4-5 class days	50% of charge
	Residence 6-7 class days	25% of charge
	After 7 days	No refund
	No refund is given without a proper dorm checkout form.	

Room and Board

FINANCIAL AID AND EMPLOYMENT

The students of Grand Canyon College may participate in all five federal aid programs as well as extensive institutional programs of scholarships, grants, grants-in-aid and institutional loans.

Students may be eligible to receive assistance under more than one program. The Financial

Aid Office treats all students equally in the awarding of financial assistance. Financial assistance applications will be processed on a first-in, first-out basis. It is the students responsibility to submit all documents necessary for completion of the Financial Aid Package.

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, switch-

board operators, custodians, cafeteria helpers, laboratory assistants, lawn maintenance workers, building maintenance personnel, library assistants, accompanists for the Music Department, and residence assistants. Grand Canyon College is participating in the Work-Study Program. Persons interested in such employment should contact the Financial Aid Office.

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.

All correspondence should be addressed to the Director of Placement Services. There is a \$25 fee for compiling an initial placement file.

Education Placement Services are available through the College of Education. This office serves Graduates and Fifth Year students who have completed the

Teacher Education Program at Grand Canyon College. Correspondence should be addressed to the Director of Education Placement.

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 contact with the applicant and the prospective employer.

MINISTERIAL GRANTS

Grand Canyon College students pursuing church-related vocations, e.g. pastors, ministers of education, music or youth or missionaries and vocational workers related to Southern Baptist denominational missions, agencies, may be eligible for support through the Cooperative Program of the Arizona Southern Baptist Convention.

Information regarding eligibility for this program may be obtained from the Southern Baptist Building at 400 W. Camelback Road, Phoenix. Several stipulations apply, including church membership, G.P.A., Course load, and evidence of commitment to the ministry.

Applicants are due by August 1 for Fall semester and January 1 for

Spring semester. Applications may be acquired at 400 W. Camelback Road, Phoenix.



STUDENT LOANS—LONG TERM

National Direct Student Loans. An eligible student may borrow up to the current limit as determined by federal regulations, subject to availability of funds. To qualify, a student must meet federal guidelines. Repayment need not begin until six months after the student leaves college. Interest, at (5%) five 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.

Guaranteed Student Loans. The guaranteed student loan program is a program whereby loans are made by lending agencies in certain states, with the loan guaranteed by the federal and state agencies. A student 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 \$2500 if the financial aid being received by the student does not exceed school expenses. Repayment begins (6) six 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 (8%) eight percent begins at the time the repayment period starts.

PLUS Program. Parents may borrow up to \$3000 per year, to a total of \$15,000, at (12%) twelve percent interest, for each child who is enrolled at least half-time and is a dependent undergraduate student. The PLUS loan is also available for the independent undergraduate. The application for the PLUS loan may be obtained from the Financial Aid Department.

Auxiliary Loan To Assist Student (ALAS). Graduate/professional and independent undergraduate students may borrow up to \$2,500 per year, to a total of \$12,500 at (12%) twelve percent interest. Payment of principal may be deferred if certain requirements are met and the lender is provided written evidence of eligibility. Otherwise, repayment usually begins within 60 days of disbursement. ALAS applications may be obtained from the Financial Aid Office.

Dougherty Foundation Loans/Grants. Selection based on academic achievement and/or financial need. Loans at (4%) four percent interest. Repayments commence following graduation. Scholarship assistance may be available with loan. Foundation application is available for SFAS for Arizona residents.

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 may require a co-signer, 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).

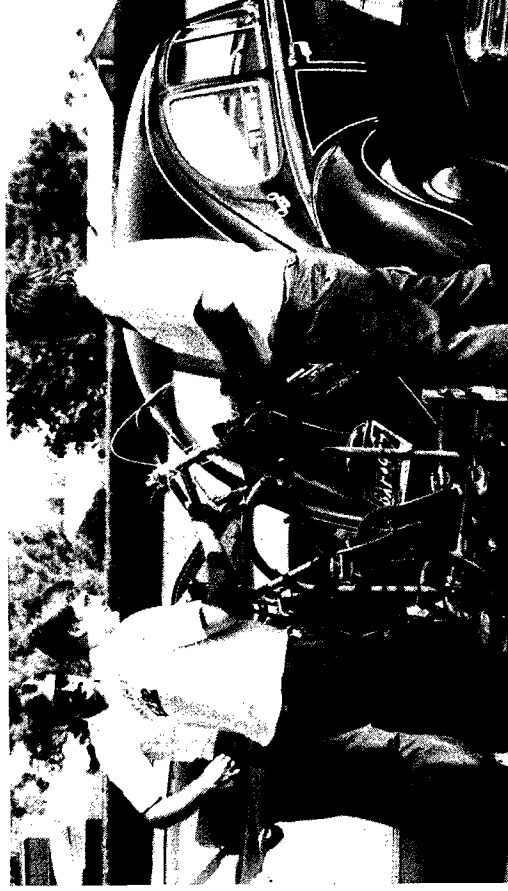
Lt. Stephen A. Beck Student Loan Fund. This fund, provided by Dr. and Mrs. Roland L. Beck, is available to *senior* students who have maintained at least a "C" average each semester while

attending Grand Canyon College. Interest is 3% per annum from the date of the loan.

Orvilla Briscoe Memorial Student Loan Fund. This fund, made available by Mr. and Mrs. B.D. Gladden, is for *junior* or *senior ministerial* students with at least a "C" average in their work. The student may borrow up to \$250 per semester. The loan may be repaid starting four months after one ceases to be a full-time student at Grand Canyon College. At this same time interest at 6% per annum begins. After payments begin, the borrower has 36 months to pay off the loan.

Austin Boyle Memorial Loan Fund. The family and friends of Mr. Austin Boyle have established this fund to assist students as determined by the current policies.

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* or *senior*



classes who need help financially to enable them to complete their college work. Interest is 6% per annum from the date of the loan.

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

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

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

First Southern Baptist Church, Avondale, Arizona, Student Loan Fund. This fund is available for *all students* with a preference to those from Avondale and Estrella Association.

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.

The Franklin P. & Eileen Hart Loan Fund. This fund established by Mr. and Mrs. Franklin Hart for *all students* with exceptional financial needs.

Inez Humphrey Memorial Loan Fund. This fund provided by members of the Humphrey family. This fund is available for *all students* with preference to those from First Baptist Church, Yuma, Arizona.

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. 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 \$.25 service fee for this loan. The amount of the loan cannot exceed \$25.

SCHOLARSHIPS, GRANTS, AND GRANTS-IN-AID

Scholarships and grants-in-aid are available for the regular school year for full-time students, but not for the summer terms, for a maximum of eight semesters.

A student who receives the scholarship, grant or grant-in-aid, and then drops courses to reduce the total enrollment to below 12 hours (including complete withdrawal) shall repay the award before enrolling the next semester.

Grade average requirements for all scholarships and grants-in-aid are monitored by the Financial Aid Committee.

No renewals are automatic. Applications for all scholarships and all kinds of grants, including renewals, *must be filed* with the Financial Aid Office for the coming academic year (September to May).

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. (Subject to amendment relative to athletes.)



Academic Scholarships

Academic scholarships are available in limited number to freshmen during the year following high school graduation, provided they ranked in the upper 10% 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 are available to students who transfer from other colleges with an overall GPA of 3.50 or above for a minimum of 24 hours. To continue receipt of student honor scholarships the student must maintain a cumulative GPA of 3.0 or above and make an application for said scholarship prior to the beginning of each academic year.

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.

Special Abilities Scholarships

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

Art, Drama, Speech. Recipients are expected to use their abilities in projects sponsored by the College.

Music. Recipients of such scholarships are expected to participate in musical performances at the direction of the College. (See page 174 Music Scholarships.)

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 College has other endowed scholarships that have not attained the present \$10,000 level required by Board policy for statements in the catalog.

Charles E. Arant, Jr. Memorial Scholarship is an endowed scholarship provided by his wife and their daughters. Mr. Arant was a businessman of Greenville, Texas. The scholarship is to aid students with a business major or minor. The recipient shall be at least a *Sophomore* by classification for the applicable school year, and attain and maintain at least a 3.0 "B" grade average on all academic work.

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

The Betty Wallace Beamer Memorial Fund was established by Mr. and Mrs. Edward D. Wallace. Earnings from the investments are awarded to a *Sophomore* or *upper division student* who has demon-strated 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.

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 demon-strated good scholarship and excellent character and citizenship and who show promise of doing effective teaching in the elementary grades.

The Cook/Bishop Memorial Presidential Grant is an endowed scholarship provided by Truman Cook and Eula Bishop Cook in memory of their mothers.

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*.

The Hilton Jones Crow Scholarship was initiated by Dr. Joyce Parker. It was endowed by friends and family. Earnings from the endowment is to aid *gifted students*, of junior status who must attain and maintain at least a 3.0 grade average, training for a ministry in history, creative writing or one of the ministries in a Southern Baptist Church, state, or the Southern Baptist Convention. Recipients must do two research papers each year for the Archives of the Historical Commission of the Arizona Southern Baptist Convention. Dr. Crow was well known for her mission work in Arizona, on a local and statewide level, from 1931 when she and her husband, G.D. Crow, arrived in Arizona and became charter members of First Southern Baptist Church in Tucson.

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 Evans-Griffin Scholarship is an endowed scholarship provided by Edna Hoffman Evans and Jewel Griffin of Phoenix, Arizona. The award is available to a qualified major or minor of at least 25 years of age and a *female Junior* who maintains a 3.0 ("B") average, who is financially needy, and who gives evidence of potential for future success.

The David H. Eaton Scholarship is an endowed fund provided by family and friends of Mr. Eaton, a Christian churchman and businessman.

The Jim and Claire Goins Living Memorial was established by family and friends in 1981 following the death of Reverend Jim H. Goins, minister of the gospel of Christ, missionary and friend of students. Claire K. Goins, his faithful Christian companion and fellow missionary, their children and grandchildren initiated the endowed scholarship to benefit a *ministerial student* whose vocational goal is to serve as a pastor-minister. Requirements are that the recipients must be junior status, attain and maintain at least a 3.0 grade average, have a financial need; and give evidence of personal commitment to Jesus Christ as Savior and Lord, to his calling to the gospel ministry and shall be actively involved in a local Southern Baptist church.

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 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 William R. Hintze 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.

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.

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 scholarship is to be used to provide scholarships for *business majors*.

The Mary McDowell Living Memorial Scholarship was established to provide scholarships for ministerial students whose goal is to serve as a pastor; for students whose goal is to be a missionary under the Southern Baptist Convention Home Mission Board or Foreign Mission Board; and for missionary kids.

The McFarland Scholarship has been established by Mr. and Mrs. Ernest W. McFarland.

The Fannie Mae Meredith Scholarship was established by the Alumni Association in 1984 in appreciation of her twenty-eight years of service to Grand Chanyon College as a student, volunteer and staff member. Mrs. Meredith became the volunteer Alumni Secretary upon graduation in 1960. After twelve years in this capacity, she was hired as Executive Secretary of the Alumni Association. Family and friends funded the endowed scholarship. The interest earnings from this trust are awarded each semester by the Financial Aid Committee.

Karl S. Nelson Memorial Scholarship Fund was made available by Mr. & Mrs. E.T. Wells of Sun City, Arizona, in memory of their grandson.

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 benefit of *ministerial students* with financial need.

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*.

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. The 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.

The Edward W. Pollock Family Scholarship was provided by his family. The scholarship is to aid a student whose vocational goal is to teach, or to be involved in some area of vocational Christian service. The recipient must maintain a 2.4 grade point average on all academic work after the first year.

The Mack D. and Bonnie Jean Reagan Business Scholarship. This permanently endowed scholarship fund was established in 1979 by Mrs. Bonnie Jean Reagan, Drs. Lowell B. and Joyce Parker, and friends in memory of the late Mack D. Reagan, an outstanding entrepreneur from Carthage, Mississippi. This trust will provide scholarships for *business majors* in need of financial

assistance who show promise of future success in business.

The C.J. and Thelma B. Smith Ministerial Scholarship was made available by Mr. and Mrs. C.J. Smith, Sr. 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, Dr. Lowell B. Parker 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 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 A.L. Stoker Memorial Scholarship is a permanently endowed scholarship fund provided by Mr. and Mrs. A.L. Stoker of Snyder, Texas. The earnings from this trust will provide scholarships annual to *worthy students*. 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*.

Helen Youngs Memorial Fund. The income from an endowment provided by relatives and friends of Helen Youngs is available to a *woman student*.

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.

The Howard Relfe Memorial Scholarship is an endowed scholarship provided by Thunderbird Bank, Inc. in memory of their late Chairman of the Board. This award is to aid an *accounting major* suggested by the major professor and administered by the Financial Aid Committee.

Tuition Grants

Pell Grants. 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 to qualified students, based on their need and potential.

Opdyke Grant. The Opdyke Fund is designated for the education of mountain people and is awarded to worthy students who qualify.

Work Grants

Work grants are available in publications, intramural sports, and dormitory assistants. Information can be obtained from the Office of Student Development on specific requirements and stipends available.

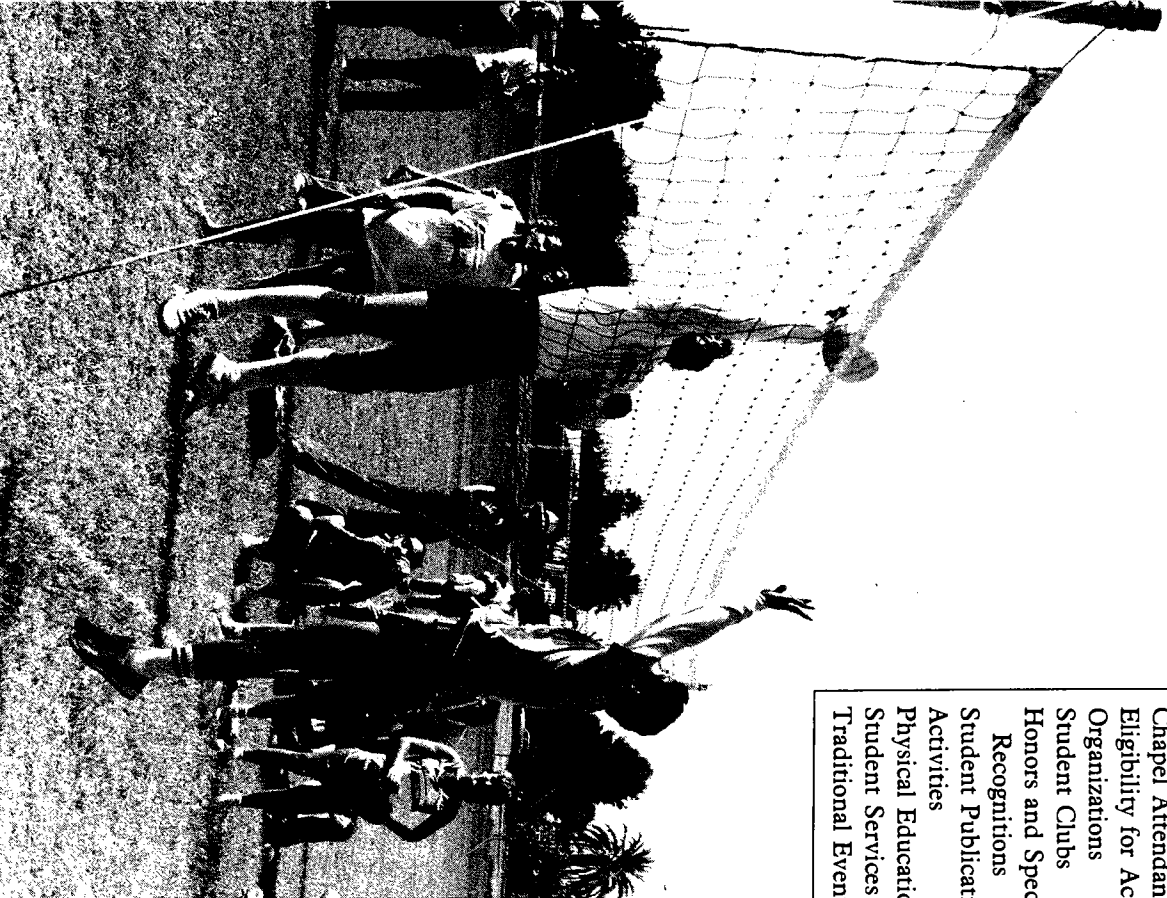
except when specific restrictions have been expressed by the donors. Contributions to this fund have been given in honor of or in memory of loved ones or friends.

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,

Student Life

Statement of Principles
Conduct
Student Dress
Religious Life
Chapel Attendance
Eligibility for Activities
Organizations
Student Clubs
Honors and Special
Recognitions
Student Publications
Activities
Physical Education
Student Services
Traditional Events



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 exemplary dedication to serving the needs of mankind.

*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

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

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

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 they accept 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 Academic Dean.

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 or any other illegal weapon in accordance with the laws of the State of Arizona in their possession or in their dorm room on campus. Hazardous materials such as blasting fuses, bullets or fire-crackers are also prohibited.

Gambling, the drinking of or possession of intoxicating beverages, and the use or possession of any of the narcotic and hallucinogenic drugs is 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 a smoking area outside the dormitory.

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

The use of profanity or vulgarity is forbidden.

All students should familiarize themselves with rules and discipline procedures stated in the Student Handbook. 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 Office of Student Development 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.

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

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

**Custody of
Organization
Funds**

**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.

The Resident Life Board cooperates with the dorm directors and Housing Director in implementing policies and activities for resident students.

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. 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.

Alpha Kappa Epsilon functions as a pre-medical society. Its purpose is to encourage excellence in pre-medical scholarship, and to promote cooperation and contacts between health professionals and pre-medical students. Membership is open to students engaged in courses leading to studies in medicine and related fields.

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

College Republicans works to keep students politically informed and provides speakers on civil issues.

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. Students are encouraged to share accurate information about their own countries and cultures through monthly meetings, social activities, and campus interaction. Eligible members are those attending on student visas, or other students who have lived or studied abroad for an extended period of time.

they coordinate yearly campus events and activities.

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

Student Nurses Association provides opportunities for nursing majors to take leadership positions in the College of Nursing and to address current nursing issues.

SOWERS (Seeking Opportunity Worldwide) provides an opportunity for students to explore international missions. Coordinates information about exchange programs and mission trips.

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 in the top 5% and Seniors in the top 10% of their classes may qualify for membership on the basis of their academic records, character, and participation in College affairs.

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

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.

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.

Purple Pride is a club which promotes school spirit.

The President's Forum is composed of the presidents of all campus clubs and organizations. The President of the College serves as honorary chairman. Student presidents interact with the College President in an informational format. In addition,

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, students on the Honor Roll and Dean's List, department fellows, junior class marshals, and students named for the current year in Who's Who in American Colleges and Universities.

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

Ray-Maben Scholars. This recognition represents the highest scholarship honor awarded by Grand Canyon College. Criteria are established by the faculty and the honor is bestowed each year at graduation. The criteria consists of a cumulative and Grand Canyon GPA of at least 3.90, with no more than 12 transferable hours, and is required for this honor.

Junior Marshals. Special recognition is given to the two juniors with the highest academic ranking at the 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 67.

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 with a minimum of 8 semester hours of graded courses 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.

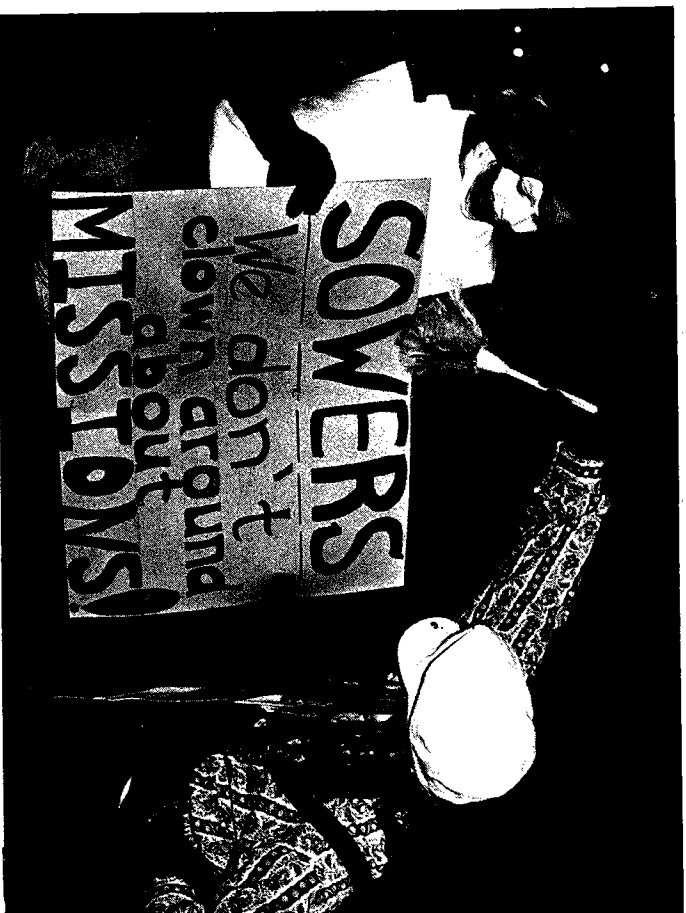
Special audit privileges for honor students are described on page 76.

Who's Who Among Students in American Univer-

sities and Colleges. This honor recognizes each year 15 seniors 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 is published by the Office of Student Development. It makes available detailed information concerning rules and procedures for approved student activities.

Canyon Echoes

This campus newspaper publication reflects the ideals, achievements, activities, and problems of student life. It offers a vehicle for information and student dialogue.

Canyon Trails

This is the College yearbook, published by a student staff.

Shadows

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

ACTIVITIES

Intramural Athletics

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

Recreation Center

A recreation center is open during the academic year and summer school which provides computer games, ping pong, pool, and other table sports.

Drama and Speech Activities

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

Musical Programs

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

The Concert Choir is selected after audition. It is the major performing group, traveling widely presenting sacred and classical music.

Quartets, trios, and ensembles provide further opportunities for students to develop musical abilities. Opera and musical productions are open each year by audition.

The Wind Ensemble, Jazz Ensemble, Orchestra, and Stage Band present concerts to the public each semester and perform in schools around the state.

PHYSICAL EDUCATION

A physical education program is correlated with the health program of the College. Two 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.

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 by participating in games or by watching the games of others.

Intercollegiate Athletics

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 45 for eligibility rule.)
2. A member of the faculty or staff 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.

HOUSING SERVICES

Both apartment style and dormitory style housing is available on campus. One- and two- bedroom units, both furnished and unfurnished, can be rented by upper class students and married students in the recently completed student apartment complex.

Unmarried students who are not at least 20 years of age and 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 governed by Resident Directors. Each hall is supervised by a Resident Assistant and a council representing all the halls. Students are 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 the housing application 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 Thanksgiving and

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 Development.

All students residing in college housing must take meals through the College meal plan.

The dormitories are closed at 12 midnight during school nights and at 2 a.m. on weekends.

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 68.

FOOD SERVICE

The College cafeteria provides well-balanced meals. All residents of the dormitories are required to buy meals through the College food services' meal plans. Other persons may buy meals on an

individual basis or may purchase meal coupons. The cafeteria is closed during the Thanksgiving, Christmas, and Spring holidays.

Light lunches and refreshments are also available in the Cafeteria.

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 dormitory students must have a health examination by a physician. A health certificate must be furnished prior to moving into the dormitory.

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.

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 may be required to furnish a satisfactory health certificate before being permitted to enter or re-enter.

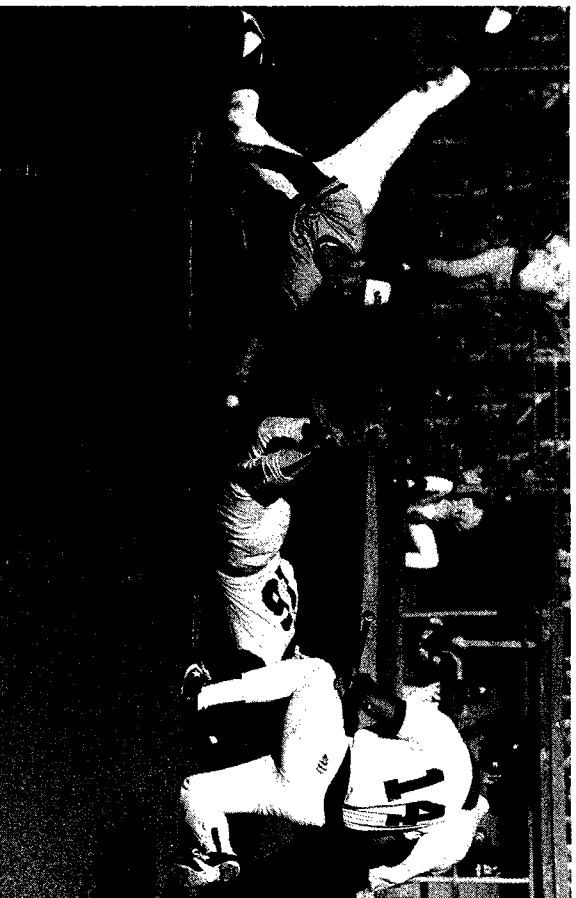
Any student who does not live in the dormitory for a period of one year or longer must have a statement from his medical doctor regarding his health if his health record is still on file in the Health Center at Grand Canyon College. If the record is not on file, a new one must be submitted.

Medical and hospitalization insurance is available at a cost of approximately \$100 per semester. All students living in the dormitories must have hospitalization insurance, and commuting students are encouraged to have it (See page 27). 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 Development arranges counseling and referrals.



TUTORING

In an effort to offer academic support to any student attending Grand Canyon College, the services of trained tutors are made available. The tutors, besides having strong skills in their particular academic disciplines, are also trained in test-taking techniques, study skills, time management and interpersonal relationship skills.

A fee is charged once a tutor has been assigned—this assures two one-hour tutoring sessions per week and shows good faith on the part of the student. The fee goes into a fund which provides small stipends for the tutors. Arrangements for a tutor may be made through any teacher, advisor, or one of the Tutor Program Directors.

PLACEMENT SERVICE

The College maintains a placement office which assists students in securing on campus and off-campus employment while in school and positions in

the business and professional community after graduation. See page 29 for further information about the service and fees.

TRADITIONAL EVENTS

All-School Welcome Party	President's Reception For New Students
Parents' Weekend	and Faculty
Harvest Festival	State B.S.U. Convention
Preview Weekend	Founders' Day
Friends of the Library Book Reviews	Spiritual Emphasis Weeks
Hanging of the Green	Ethington Theater Service
Christmas Party for International Students	Ethington Chamber Music Service
Spring Banquet	Homecoming
Music Recitals	Honors Day
Baptist Youth Day	Spring Thing
Concert Choir Concerts	Concert Choir Tour
Varsity Dinner	State B.S.U. Spring Retreat
Senior Class Day	Junior-Senior Banquet
High School Junior-Senior Day	Backpack to Havasu Canyon
Wind Ensemble Concerts	Stage Band Concerts

Admission Policies and Procedures

General Requirements
Academic Eligibility
High School Units
Recommended
Early Admission to
College
Advanced Placement
Admission of Freshmen
Admission of Transfer
Students
Direct Transfer Plan
Readmission
Admission of International
Students
Entrance Examinations

'LOPESLETTER

Full Swine in

Samaritan
College of Nursing of
Grand Canyon College

Catalog
Fall 1983-84
A-104204

Put Yourself
In The Picture

Grand Canyon College
January Term

CANYON CASCADILLA



GENERAL REQUIREMENTS

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

An applicant must be at least 16 years of age.

An applicant must furnish satisfactory evidence of good moral character and, if transfer-

ring 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

Graduates from accredited high schools who ranked in the upper half of their graduating class or whose composite ACT or SAT scores are in the upper 50th national percentiles for college bound seniors may be admitted to the College as regular students without condition.

High school graduates who ranked in the lower half of their graduating class and whose ACT or SAT scores are below the 50th national percentile may apply for admission on probation. (See Academic Probation, page 70.)

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, page 71.)

Applicants must supply all records listed under the admission procedures detailed later in this section.



HIGH SCHOOL UNITS RECOMMENDED

It is recommended that entering freshmen present the following minimal high school units:

<i>Subjects</i>	<i>Units</i>
English	4
Mathematics (Algebra I, Geometry, and one advanced Mathematics unit)	3
Social Studies (one in American History)	2
Science (two laboratory courses)	2
Courses in the Fine Arts, Computer Awareness and Foreign Language	
highly recommended	

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

General Information. Advanced placement credit will be given only when it does not duplicate credit previously earned, and is not for a course more elementary than one for which the student has earned college credit. Credit will not be given to students who have previously earned 64 hours of college credit.

Advanced Placement Examinations. 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 Academic Dean. Students who score 1 or 2 on the advanced placement tests are considered individually by the departments concerned and the Academic Dean.

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. Credit will be given only for those examinations completed after July 1965.

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 (610), (2) Humanities (500), (3) Mathematics (500), (4) Natural Sciences (500), (5) Social Sciences (500), (6) General Examinations in English taken after October 1986, (500).

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

Entering freshmen may earn six hours of credit for scores which

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 admissions forms, including detailed instructions, from their high school guidance counseling office (Arizona high school) or from the Office of Student Recruitment at Grand Canyon College and should follow the procedures given. Notice of acceptance may be given upon receipt of the admissions application, the application fee, and either a seven-semester high

rank in the 97th national percentile in each of the individual subject areas of the ACT examination.

A maximum of 30 semester hours of credit by examination, extension, and correspondence may be applied toward a degree. The College does not recognize credits earned by testing after a student has earned 64 hours of college credit.

Those interested should secure further information from the Academic Dean.

school transcript or the ACT or SAT score report.

Applicants who wish to live in campus housing should contact the Campus Housing Office to obtain application and related information regarding regulations. (See page 51 for additional information.)

Applicants who wish to apply for financial aid should contact the Financial Aids Office to obtain applications and related information. (See page 29 for additional information.)

In order to complete their admissions file, applicants must submit all of the following:

1. An application for admission along with a \$15 non-refundable application fee.
2. Score report for either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). These examinations are offered on a regular basis throughout the country and in several locations overseas. The test should be taken as early as possible during or after completion of the junior year in high school. Only those score reports received directly from the

testing agency will be accepted. The Grand Canyon College code number for the ACT is **0092**. The code for SAT is **4331**.

Entering freshmen may earn six hours of credit for scores which rank in the 97th national percentile in each of the individual subject areas of the ACT examination.

Detailed information for ACT and SAT programs may be secured from the applicant's high school guidance counseling office or from the Registrar's Office at Grand Canyon College.

Applicants entering with a G.E.D. and who have not been in high school for 5 years or more need not supply test scores.

3. A final high school transcript sent directly from the high school. Transcripts carried or mailed by the applicant are not acceptable. The transcript must show the date of graduation and the final numerical rank in class.

Applicants entering with a G.E.D. should submit high school transcripts showing all work completed prior to their exit from school.

4. Those applicants who intend to live in campus housing must submit a completed Student Health Record which must be completed and signed by a physician and dated less than six months prior to the date of first enrollment. Nursing majors are also required to submit a completed health record.

Final dormitory room assignments will be made when all credentials, including health

record and physician's statement, are received.

ADMISSION OF TRANSFER STUDENTS

A student transferring from another college must file all forms required under Admission of Freshmen (previous page). One who has satisfactorily completed 12 semester hours in college 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 the students to request that their transcripts be mailed to the Registrar.

A transfer student who is eligible to be classified as a senior must also pass the Writing Proficiency Examination and must file an Application for Graduation. (See page 80.)

Grand Canyon College generally accepts credit from regionally accredited colleges and universities provided the work 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 Guide to the Evaluation of Educational Experiences in the Armed Services is used in evaluation work submitted as a result of service in the armed forces. Credit will be granted only for work in the liberal arts areas. No technical credit will be accepted. All work will be considered lower division.

Credit earned at colleges and universities which are not regionally accredited will be evaluated on a course by course basis. Credit will be granted only with the approval of the department to which credit is assigned and after the student has earned 12 semester hours in residence at Grand Canyon College with a grade of "C" or above in all courses attempted. All credit will be considered lower division.

The College does not recognize credit for "life experiences."

The College will recognize a maximum of 64 semester hours of college credit earned at regionally accredited junior colleges. The College does not recognize credit earned at a college which is not regionally accredited, credits for educational experiences in the armed forces, or credits earned by testing after a student has earned a total of 64 semester hours of college credit.

The College reserves the right to require students to validate certain credits by testing if necessary.

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 community colleges are referred to Direct Transfer Plan on next page.)

A maximum of 30 hours of credit by examination, 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 73 of the catalog.

Transfer students who do not have a "C" average in all college work already attempted may be admitted provisionally (see page 71).

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 Academic Dean or the Academic Affairs Committee, be required to withdraw if this appears to be in the best interest of the students and/or the College.

DIRECT TRANSFER PLAN

Grand Canyon College accepts the completion of certain Associate of Arts degrees from regionally accredited community colleges as fulfillment of the general studies requirements with the exception of the 6 semester hours of Bible. Also, a student must present at least 6 hours of English Writing. Students who intend to apply for certification to teach in Arizona must fulfill the general studies requirements for the certification program listed in the College of Education section of this catalog.

Only those Associate of Arts degree programs which are specifically designed to prepare a student to transfer to a four-year college or university are acceptable for the Direct Transfer Plan. An Associate of Arts in Applied Sciences, General Studies, a specialized field, or any other "terminal" program is not acceptable, with one exception: the Associate of Arts (Applied Science) in Nursing will be acceptable only if a student pursues a Bachelor of Science in Nursing.

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 78 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 and plans to live in campus housing must submit an updated student health record (Part I & II). 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, P.O. Box 11097,

3300 W. Camelback Rd., Phoenix, Arizona 85061.

Before the application of an international student whose native language is other than English, can be considered, he/she 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 \$11,000 for each year of study, exclusive of travel and vacation expense must be certified. A minimum deposit of \$1,500 must be made before the I-20 needed for a student visa can be issued. This deposit, less application fee of \$15, 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.

ENTRANCE EXAMINATIONS

All beginning freshmen are required to have American College Test (ACT) or Scholastic Aptitude Test (SAT) scores on file with the College prior to their acceptance as students. (See paragraph 2 of Admission of Freshmen on page 58.)

International students must file official transcripts and examination scores which would qualify them for college admission in their own country. All required records must be received by July 15 for admission in the Fall semester, and by December 15 for admission in the Spring semester.

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.

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.

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
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
Comprehensive Examinations
Concurrent Enrollment
Special Courses by
Independent Study
Honor Students Audit
Privileges
Honors Study Program



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, physical education activity, and 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.

NUMBERING OF COURSES

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

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.

Courses from 100 to 199
Courses from 200 to 299

} Lower Division

Courses from 300 to 399
Courses from 400 to 499

} Upper Division

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.

Students are not permitted to graduate at the end of a semester or term which they began with a grade point average of less than 2.00. (See page 79 for General Graduation Requirements.)

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

Second Degree Students—those students who have completed a bachelor's degree from a regionally accredited institution and are completing the requirements for a second bachelor's degree (see page 78.)

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



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 Academic Dean.

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
- NR Not reported by instructor
- IP Course currently in progress
- IL Incomplete; Leave of Absence

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."

**Incomplete
Grade**

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. Withdrawals (drops) are considered official as of the date the student files a completed withdrawal form with the Business Office. Failure to follow these procedures will result in a grade of "F."**

Administrative Withdrawal

College professors are to provide student with a written attendance policy. If a student fails to comply with a stated attendance policy, the professor may administratively withdraw student from course. (See page 71 for more information.)

Leave of Absence

Should a student be medically incapacitated during the semester, he/she may qualify for a leave of absence (LOA), thus allowing postponement for completion of classes up to one year. Deadlines are December 1st for Fall and May 1st for Spring semesters.

Criteria that determines eligibility:

1. Medically determinable condition.
2. Student's written request.
3. Written recommendation of physician.
4. Advisor and instructor approval.
5. Only one LOA may be granted during a degree program.

Procedure for obtaining LOA:

1. Provide Registrar's Office with written request which is documented with physician's recommendation.
2. Secure LOA request form from the Registrar's Office.

3. Return completed form with required signatures to Registrar's Office.
4. Eligibility reviewed and determined by LOA committee.

The LOA Committee (consisting of representatives of the Registrar's Office, Business Office and Financial Aid Office) will notify the student of the committee's action. The student is required to make arrangements to complete the incomplete LOA grade ("IL") within the following year.

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.

Certain courses earn credit toward 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.

Final grades may be changed only by the instructor of the course, and then only if there has been an error in computation or to remove an incomplete grade ("I"). The instructor must submit an official grade change form, a copy of which will be mailed to the student.

A student who feels that a grade has been unfairly awarded may appeal the grade by submitting a letter of appeal to the Academic Affairs Committee. The appeal should include specific reasons for requesting the grade change. A response from the instructor will be obtained before the appeal will be considered. Appeals for grade changes must be made within one year.

ACADEMIC HONORS

Students who have earned at least 60 hours at Grand Canyon College may qualify for honors at graduation by maintaining one of the following grade point averages:

3.40 to 3.59 may qualify for graduation *cum laude*;

3.60 to 3.79 may qualify for graduation *magna cum laude*;

3.80 to 4.00 may qualify for graduation *summa cum laude*.

In order to qualify for a specific honor, students must meet or exceed the GPA requirement for that

Audit Grades

Credit Grade

Change of Grade

Appeal of Grade

Graduation with Honors

honor both on work done at Grand Canyon College and on all college work attempted. Transfer students may not graduate with an honor higher than that to which their GPA at Grand Canyon College would qualify them.

Other Honors Other honors related to academic achievement are described on page 48.

COURSE LOAD

A student who is enrolled for a minimum of 12 semester hours of credit courses is defined to be full-time during the Fall or Spring semesters. A minimum of 6 semester hours of credit courses during each of the Summer sessions is considered full-time. January Term enrollment is considered full-time, but January Term hours are not counted toward either Fall or Spring full-time determination.

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 Academic Dean.

International students must carry a minimum of 12 semester hours each semester in order to maintain student status required for the F-1 visa. All foreign students are required to register for EDU 103/113 College Reading Skills their first semester.

Students may not register for more than 18 hours except upon

recommendation of their advisor and permission of the Academic Dean.

The maximum course load normally 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.

UPPER DIVISION REQUIREMENT

For graduation, a student must earn a minimum of 45 semester hours of credit in upper division (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, no change in course schedule is permitted without the signatures of the professor or professors concerned, the Registrar or Academic Dean, and the Business Office. Tuition may be refunded when changes in class schedule are made upon the recommendation of the Academic Dean. **Refunds are determined**

by the date the student files a completed withdrawal form with the Business Office. (See the schedule of refunds beginning on page 28.)

A student is not permitted to enroll for credit in a course after the last date to enroll for credit as shown in the academic calendar on pages 6 and 7.

DROPPING OF COURSES

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

A student who discontinues a course at any time without withdrawing officially from it will be given a grade of "F" in the course. Instructions and forms for dropping courses 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 a grade 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. The student will receive a grade of "S" or "U" instead of a letter grade.

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.

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

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 a grade point average of 2.00 for all courses 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 59.

Students must also have a "C" average (2.00 GPA) in their majors and 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 at Grand Canyon College.

A student may be permitted to repeat a course in order to raise an

earlier grade of "D." 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 his cumulative grade point average 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 to

the Registrar's office. A student subject to academic suspension for the second time may make written application for reinstatement to the Academic Affairs Committee. A student subject to academic suspension for the third time is normally given final dismissal.

A student reinstated after an academic suspension is admitted provisionally. See Provisional Status, on next page.

ACADEMIC PROBATION

Students who are admitted from the third quartile of their high school graduating classes and whose ACT or SAT scores are

below the 50th percentile are admitted on academic probation.

Students admitted on probation retain that status until they

have earned a total of 12 hours at Grand Canyon College and have earned a cumulative GPA of 2.00. If they do not have an average of 2.00 on these 12 hours, they are subject to dismissal. All students admitted on probation are required to take EDU 103/113 the first semester they enroll.

Students whose cumulative grade point average on 12 or more hours attempted at Grand Canyon College drops below 2.00 are placed on academic probation.

Probationary status is removed when the student earns a cumulative grade point average of 2.00 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 79).

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 having 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 College believes that students themselves are primarily responsible for

attendance. Instructors will provide students with written statements of their policies with respect to absences. If students violate the instructors' attendance

requirements, the instructor may recommend to the Academic Dean that the student be administratively dropped from the course. If the student is administratively dropped, it will result in a grade of "W." **No refunds are made for administrative withdrawals.** Students may appeal administrative drops to the Office of the Academic Dean.

2. The student must notify the Office of Student Development directly when an absence from class of one week or more is unavoidable. The office will maintain a file on such reports available to instructors upon request. Instructors will permit

students to make up tests and other work when the absence was entirely unavoidable or authorized by the Academic Dean.

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 25).



CORRESPONDENCE AND EXTENSION CREDIT

A maximum of 30 hours of credit by examination, extension, and correspondence work, including not 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 criteria for concurrent enrollment.

COMPREHENSIVE EXAMINATIONS

Matriculated students may establish credit by examination through the department in which the course is offered. Credit for a non-credit prerequisite may also be established by a department examination. A proficiency examination, without credit, may be required by a department for the waiver of a course requirement.

The examination, as prepared by the instructor, must be approved by the Department Chairman. A letter grade of "C" or higher must be earned to be acceptable for credit. Grades will be shown on the student's academic record as "Cr." No entry will be made for grades below "C." The graded examination will be kept on file in the student's permanent file.

Limitations

1. Application for credit by examination must be made during the first year of enrollment at Grand Canyon College.
2. Credit applies only to catalog courses and only to those courses for which CLEP examinations are not available.
3. Credit may not be for a course which is equivalent to, or more elementary than, another course in which the student is enrolled or for which the student has already received credit.
4. A maximum of 30 hours credit by examination, extension, and correspondence may be applied toward a degree.

Students should:

1. Obtain an Application for Credit by Examination from the Registrar's Office.

Procedures

2. Complete the necessary information and obtain all necessary signatures.
3. Pay the \$5 special examination fee in the Business Office and obtain their validation of payment.
4. Present the validated application to the instructor who will be responsible to prepare the examination.
5. Obtain the instructor's signature and final grade.
6. Return the application to the Business Office and pay the fee of \$12.50 for each hour of credit awarded.

Upon receipt of the validated grade, credit will be recorded on the student's permanent record.

Exceptions to the above policies may be made upon petition to and approval of the Academic Affairs Committee.

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 advisor.

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:

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 per subject area unless specified otherwise in requirements for a



major. For upper division students with a grade point average of 3.00, with approval of the department chairman, instructor, and the Academic Dean.

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 that 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 with a 2.00 GPA and may be taken any semester with approval of faculty advisor, department chairman, and Academic Dean.

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 Academic Dean. 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. A 2.00 GPA is required.

Students should:

Procedures

1. Obtain proper special study form from the Registrar's Office (the Office of the Registrar keeps the records which indicate whether a student is eligible for a special study).

2. Complete required special study form in conference with the instructor.
3. Obtain proper signatures.
4. File completed form with the Registrar's Office no later than one week after the last day to register for credit for semester (see academic calendar). A student will not be officially registered for a special study course until the completed form has been filed with the Registrar's Office. It is recommended that this procedure be completed prior to registration.

HONOR STUDENT AUDIT PRIVILEGES

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

The audit privilege covers the

HONORS STUDY PROGRAM

The Honors Program is faculty and outside speakers, designed to provide a unique attendance at local symphonies, educational challenge for a select plays, exhibits, or lectures and an number of students who have Honors Essay in which the demonstrated unusual scholar- students are involved in original ship and aptitude for learning. It research in their own disciplines. seeks to provide them with

opportunities for advanced study Students are admitted to the within their own discipline as well Honors Study Program by as exchanges with faculty and invitation of the Honors Program students outside their own field. Committee. Interested students should see the chairman of this an Honors Colloquium led by committee.

Graduation Requirements

Degrees Offered
Second Degree
Choice of Catalog
General Requirements
for Graduation
Curricular Requirements
for Graduation
General Studies
Major and Minor
Subjects
Elective Courses
Specific Academic
Programs in Relation
to Degrees



DEGREES OFFERED

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

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

The Bachelor of Science degree is granted to majors in Accounting, Biology, Biology (Environmental Science emphasis), Biology (for secondary education), Business Administration (Business Education emphasis), Chemistry, Computer Science, Computer Science (Teaching emphasis), Criminal Justice, Elementary Education, Marketing, Mathematics, Music

Education, Physical Education, Psychology, Public Administration, Science (Teaching emphasis), Special Education, Sociology, and Training and Development.

The Bachelor of Science in Nursing is granted to majors in Nursing.

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 Academic Dean.

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) completed after the granting of previous degrees.

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. Students seeking certification to teach in Arizona must meet requirements in effect at the time of their graduation.



GENERAL REQUIREMENTS FOR GRADUATION

The total number of semester hours required for graduation is 128 with a minimum grade point average 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 point average of less than 2.00. (See page 64, Classification of Students.)

Students must also have a "C" average (2.00) in their majors and are not permitted to count toward their majors any course with a grade below "C."

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 Proficiency Examination. Examinees write short essays based on questions provided by their major department. 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. The examination is given as part of English EEW 102. Students who do not pass the examination are required to register for EEW 100 Basic English.

Writing Proficiency Examination

Number of
Hours and
Grade Point
Average

Grade in
Major

Students who take freshman English elsewhere are required to take the examination during their first semester at the College. The examination may be taken twice; if a student fails the examination the second time, he must register for EEW 100 Basic English the following semester.

The examination is given twice each semester and once during summer. 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. At least 24 semester hours, including the 12 semester hours immediately preceding graduation, must be taken at Grand Canyon.

Students are required to take in residence at Grand Canyon College at least 15 semester hours in their major subject, six of which must be upper division, and at least 9 semester hours in their minor subject, three of which must be upper division.

Graduation with Honors

The requirements for graduation with honors are stated on page 67.

Correspondence and Extension and Credit

Record of all correspondence and extension work transferred from another institution must be filed with the Registrar prior to enrollment in the final semester before graduation. (See page 73 for additional information concerning correspondence and extension credit.)

Application for Graduation

All candidates who expect to complete degree requirements during the Spring semester must file a Statement of Intent to Graduate with the Registrar's Office no later than February 15 of that semester. Candidates who expect to complete requirements during the Fall semester should file the intent by September 15 of that semester. Statement of Intent to Graduate forms may be obtained from the Registrar's Office. A \$25 graduation fee must be paid to the Business Office before returning the completed form to the Registrar's Office.

Degree Plan

Once the completed Statement of Intent to Graduate has been filed in the Registrar's Office, a graduation check will be done. Each candidate will receive a list of courses yet to be completed to meet the degree requirements.

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 Academic Dean.

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

Eligibility to Participate in Commencement

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 December, January and May graduates, with an asterisk to indicate that they expect to complete requirements by August.

Requirements:

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

2. *Statement of Intent to Graduate* indicates that requirements will be met before the end of the Summer session. This must be filed with the Registrar by May 1.

This means that a student who suddenly decides to come back for a summer term or one who finds graduation requirements could be completed 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. 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 109 under College of Education section of this catalog.

For other students seeking the B.A., B.S., or B.S.N. the courses on the next page comprise the minimum requirement in General Studies.

BIBLE

BIB 113 Old Testament History
BIB 123 New Testament History

6 hours

ENGLISH

EEW 101 Grammar & Composition
EEW 102 Composition & Literature

6 hours

HUMANITIES

No more than 3 hours in one area with the exception of

Foreign Language	Theatre
Literature	Art
Philosophy	Music
Foreign Language	
Speech	

6 hours

SOCIAL STUDIES

9 hours

At least 3 hours of History; no more than 6 hours in one area

History
Government/
Political Science

Psychology
Sociology
Geography

SCIENCES

10 hours

At least one course from each group

Group I: Math, Computer Science, any Statistics
Group II: Lab Sciences

PHYSICAL EDUCATION

2 hours

Must be activity courses

39 hours

JANUARY TERM

An interdisciplinary approach with emphasis on active participation and individual research in both on and off campus experiences. One January Interterm course is normally required for each 42 hours completed in residence, with the following exceptions:

1. Those who meet their graduation requirements as essentially part-time students.
2. Those who meet their graduation requirements as essentially night students.
3. Those who have taken one January Interterm course, in sequence, each year they are in continuing residence.

FOREIGN LANGUAGE

(recommended for B.A. Degree)
One language only; should be taken consecutively (see page 154).



MAJOR AND MINOR SUBJECTS

By the beginning of their junior year students are required to select one subject area to be known as their major, in which they 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. Students must also have a "C" average in their major and are 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.

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. It is suggested that a student try to earn at least 24 hours in the minor to teach in that field. No minor is certifiable. Some majors do not require minors due to the extensive breadth of requirements for the degree. Such majors are so indicated in their descriptions later in the catalog.

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.

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

ELECTIVE COURSES

A faculty advisor 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.

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 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.

Suggested Program for Bachelor Degree Candidates

Following is a guide for an entering Freshman who has not yet decided on a major subject area. One may use this suggested program to assist in planning a course of study which will lead to a

Bachelor Degree in four years.
Attention has been given to those courses which generally require a significant amount of outside reading so as not to overload a beginning student.

Students who have already decided on a major are directed to the catalog section for that department for the specific program of study for their selected major.

Freshman Year		Sophomore Year	
	Fall Jan. Spring		Fall Jan. Spring
BIB 113, 123		Social Science	3 3
OT, NT History	3 3	*Humanities	3 3
EEW 101, 102		Lab Science	4
Freshman English	3 3	P.E. Activity	1
*Humanities	3	Math/Science	3
History		Major, Minor	
Math, Comp. Sci.,	3	Electives	8 6
Statistics		January Term	3
P.E. Activity	1 3		16 3 15
Electives	3 3		
January Term	3		
	13 3 15		
Junior Year		Senior Year	
	Fall Jan. Spring		Fall Jan. Spring
Major, Minor Electives	15 15	Major, Minor Electives	15 15
January Term	3		
	15 3 15		

* Students who elect to take a foreign language should adjust this plan to allow the classes which fill the humanities requirement to be taken in the same year. Students continuing a foreign language from high school should begin those courses in their freshman year.

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:

Courses listed on pages 82 and 83	39 hours	General Studies
Electives	89 hours	
	128 hours	

A minimum of 45 hours must be in Upper Division courses.

A maximum of 21 hours of Upper Division work in any one academic department will be acceptable toward the degree. (BUS, ACC, ECO & TD are all in the same academic department.)

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 Writing Proficiency Examination required of all degree candidates.

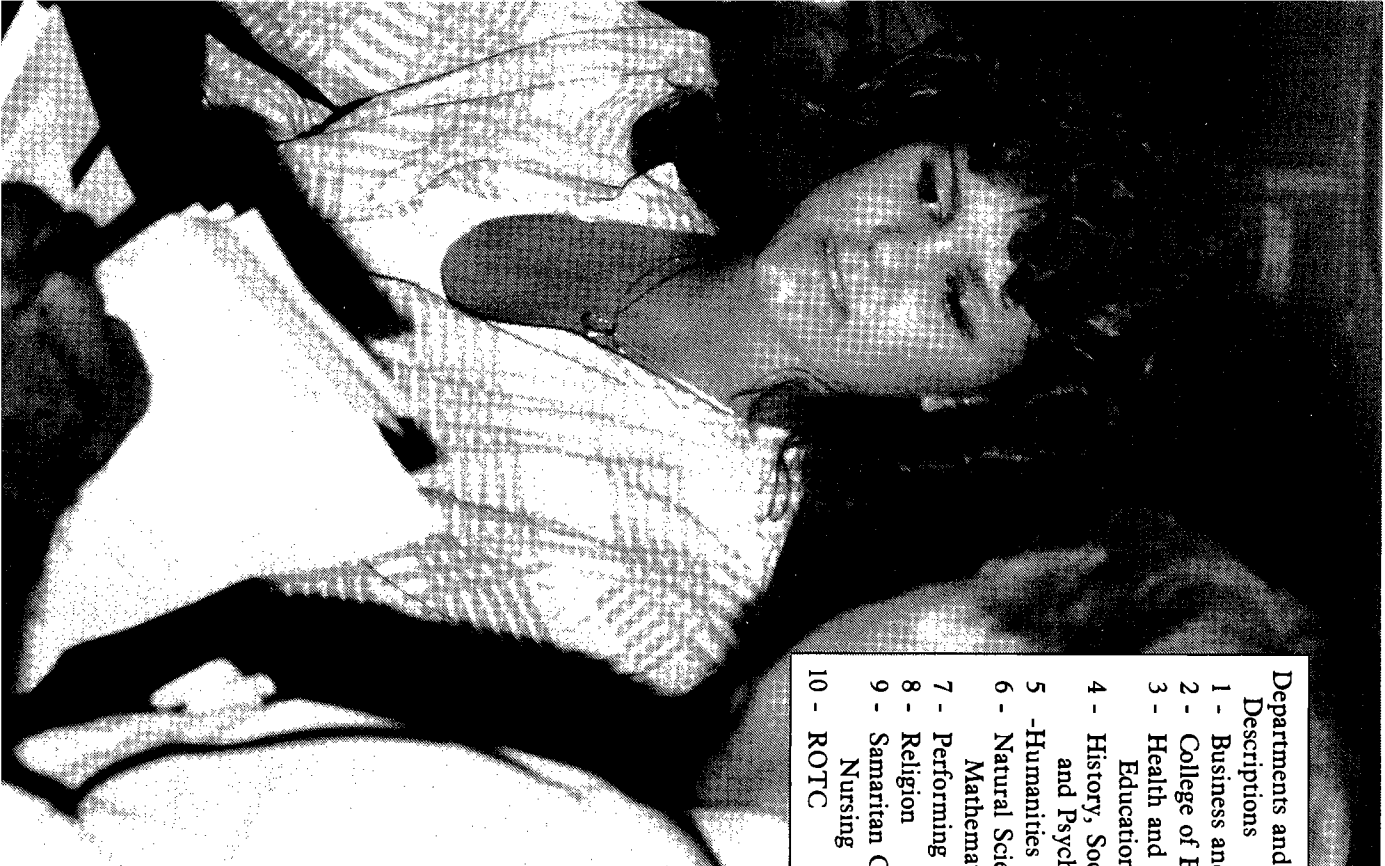
The student must satisfy the minimum residence requirement of at least 24 hours, 9 of which must be Upper Division plus 6 hours of Bible.

**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.

Departments of Instruction

Departments and Course Descriptions
1 - Business and Economics
2 - College of Education
3 - Health and Physical Education
4 - History, Social Sciences, and Psychology
5 - Humanities
6 - Natural Sciences and Mathematics
7 - Performing Arts
8 - Religion
9 - Samaritan College of Nursing
10 - ROTC



College of Business and Economics

Department Description
Degree Requirements:
Accounting
Business Administration
Marketing
Training and Development
Economics
Accounting Courses
Business Courses
Training and Development
Courses
Economics Courses



DEPARTMENT DESCRIPTION

The goals of the College of Business and Economics are to provide students with knowledge of the essential areas of business and an opportunity to major in one of four areas of concentration: Accounting, Marketing, Business Administration, and Training and Development. All business programs lead to the B.S. degree.

The Accounting major is designed to prepare the student for professional practice in accounting, management positions or for graduate study in accounting or business.

The Marketing major combines a strong business core with special emphasis in market forces, marketing strategy and sales management. The student is prepared for a career in sales,

merchandising or graduate study in market research.

The Business Administration major provides a broad survey of the fields of study which are important for the student seeking either a position in the business community or entrepreneurial opportunities.

The Training and Development major has as its objective the preparation of students who plan to work with businesses and other institutions in internal education and development.

The College of Business strives to challenge students in their broad academic pursuits, to encourage their personal development of Christian values, and their concern for ethical business practices.

DEGREE REQUIREMENTS - ACCOUNTING

Requirements for a major in Accounting

Students who wish to major in Accounting should apply for acceptance into the program during the second semester of their sophomore year. In order to be accepted as an accounting major a student must have completed 54 semester hours, both semesters of Principles of

Accounting and have earned a minimum GPA of 2.5.

Courses which must be included in the 54 semester hours or in which the student must demonstrate proficiency through departmental examinations are: (See page 73 for regulations on examinations.)

- *BUS 102 American Business and Free Enterprise
- MAT 121 College Algebra
- MAT 120 Intermediate Algebra
- SPC 113 Fundamentals of Speech or
- SPC 292 Group Discussion

Courses required for the Accounting major:

Business Core for Accounting:

ACC 214 Principles of Financial Accounting	3 hours
ACC 233 Principles of Managerial Accounting	3 hours
ECO 213, 223 Survey and Principles of Economics	6 hours
BUS 323 Business Finance	3 hours
BUS 353 Business Law	3 hours
BUS 373 Principles of Management	3 hours
BUS 343 Business Statistics	3 hours
BUS 393 Principles of Marketing	3 hours
BUS 383 Business Communications or	
BUS 314 Business and Technical Writing	3 hours
CS 133 Introduction to Computer Science	3 hours
BUS 311 Business Ethics	3 hours
BUS 480 Business Policy	3 hours
Total	39 hours

Accounting courses:

ACC 313, 323 Intermediate Accounting	6 hours
ACC 353 Advanced Accounting	3 hours
ACC 433 Cost Accounting	3 hours
ACC 443 Income Tax Accounting	3 hours
ACC 453 Auditing	3 hours
CS 223 COBOL	3 hours
Elective from Governmental and Institutional Accounting, Accounting Theory, Tax Research, or Independent Study	3 hours
Total	24 hours

To enhance their professional development, accounting majors are encouraged to elect courses in music, humanities and the arts.

Requirements for a minor in Accounting**

ACC 214, 233 Principles of Financial and Managerial Accounting	6 hours
ACC 313, 323 Intermediate Accounting I & II	6 hours
ACC 443 Income Tax Accounting	3 hours
ACC 433 Cost Accounting or ACC 423 Governmental and Institutional Accounting	3 hours
Total	18 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 48 hours in the Business major.

NOTE: Students who plan to go to Graduate School should take MAT 270 Analytical Geometry and Calculus I, an admission requirement for many Graduate Schools of Business.

DEGREE REQUIREMENTS - BUSINESS ADMINISTRATION

Requirements for a major in Business Administration (Business Core):

BUS 102 American Business and Free Enterprise*	3 hours
CS 133 Introduction to Computer Science	3 hours
MAT 120 Intermediate Algebra	3 hours
BUS 323 Business Finance	3 hours
BUS 343 Business Statistics	3 hours
ECO 213, 223 Survey and Principles of Economics	6 hours
ACC 214, 233 Principles of Accounting I, II	6 hours
BUS 353, 363 Business Law I, II	6 hours
BUS 373 Principles of Management	3 hours
BUS 383 Business Communications (or BUS 314)	3 hours
BUS 393 Principles of Marketing	3 hours
BUS 311 Business Ethics	3 hours
BUS 480 Business Policy	3 hours
Total	48 hours

* See course description

Requirements for a minor in Business

ACC 214 Principles of Accounting I	3 hours
ECO 213 Survey of Economics	3 hours
BUS 353 Business Law I	3 hours
BUS 323 Principles of Finance	3 hours
BUS 373 Principles of Management	3 hours
BUS 393 Principles of Marketing	3 hours
Total	18 hours

NOTE: Students who plan to go to Graduate School should take MAT 270 Analytical Geometry and Calculus I, an admission requirement for many Graduate Schools of Business.

DEGREE REQUIREMENTS - MARKETING

Requirements for a major in Marketing

Business Core: (See above)

Total	48 hours
Marketing Courses:	
BUS 331 Sales and Sales Management	3 hours
BUS 341 Advertising Principles	3 hours
BUS 391 Consumer Behavior	3 hours
BUS 421 Retail Management	3 hours
BUS 431 Marketing Management	3 hours
BUS 441 Marketing Research	3 hours
Total	18 hours



Students desiring a career in the marketing area should elect courses in psychology, design, art, journalism, music and literature.

Requirements for a minor in Marketing

BUS 102 American Business/Free Enterprise*	3 hours
ACC 214 Principles of Accounting	3 hours
ECO 213 Survey in Economics	3 hours
BUS 393 Principles of Marketing	3 hours
Upper Division electives in Marketing	<u>6 hours</u>
Total	18 hours

* See course description

NOTE: Students who plan to go to Graduate School should take MAT 270 Analytical Geometry and Calculus I, an admission requirement for many Graduate Schools of Business.

DEGREE REQUIREMENTS - TRAINING AND DEVELOPMENT

The College, in cooperation with the Valley of the Sun Chapter of the American Society for Training and Development, offers a B.S. degree in Training and Development. Grand Canyon was 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

I. Business (36 hours)	
BUS 102 American Business and Free Enterprise*	3 hours
CS 133 Computer Science	3 hours
ECO 213, 223 Principles I, and II	6 hours
ECO 233 Family Financial Planning	3 hours
BUS 333 Personnel Administration	3 hours
BUS 373 Principles of Management	3 hours
BUS 453 Organizational Behavior	3 hours
BUS 343 Business Statistics	3 hours
Upper Division Business Electives**	<u>9 hours</u>
	36 hours

*See course description

** Electives 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 hours
TD 404, 414 Training & Development Internship I, II	8 hours
TD 323 Business Conference Leadership	<u>3 hours</u>
	17 hours

*See course description

III. Education (14 hours)	
EDU 313 Educational Psychology	3 hours
EDU 363 Instructional Media	3 hours
AED 353 Survey of Adult Education	3 hours
AED 363 Principles of Teaching Adults	3 hours
SED 443 Methods/Curriculum	<u>2 hours</u>
	14 hours

IV. Psychology (6 hours)	
PSY 213 General Psychology	3 hours
PSY 343 Fundamentals of Counseling/Guidance	<u>3 hours</u>
	6 hours

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

Total	55 hours
	<u>128 hours</u>

Requirements for a minor in Training and Development

TD 303, 313 Training & Development Principles I, II	6 hours
AED 363 Principles of Teaching Adults	3 hours
EDU 313 Educational Psychology	3 hours
PSY 343 Fundamentals of Counseling & Guidance	3 hours
SED 443 High School Curriculum/Methods or TD 404 or 414 Training & Development Internship I, II	<u>3-4 hours</u>
	18-19 hours

MINORS IN FINANCE, MANAGEMENT, AND ECONOMICS

To meet students' particular interests, the College of Business has provided minors in each of the following three fields:

Requirements for a minor in Finance

BUS 102 Amer. Bus./Free Enterprise*	3 hours
ACC 214 Principles of Accounting	3 hours
ECO 213 Survey of Economics	3 hours
BUS 323 Principles of Finance	3 hours
ECO 363 Money and Banking	3 hours
BUS 405 Investment Management	<u>3 hours</u>

Total 18 hours

Requirements for a minor in Management

BUS 102 Amer. Bus./Free Enterprise*	3 hours
ACC 214 Principles of Accounting	3 hours
ECO 213 Survey of Economics	3 hours
BUS 373 Principles of Management	3 hours
BUS 453 Organizational Behavior	3 hours

One of the following:

BUS 393 Principles of Marketing (3 hours)	
BUS 323 Principles of Finance (3 hours)	3 hours
BUS 333 Personnel Administration (3 hours)	

Total 18 hours

* See course Description

DEGREE REQUIREMENTS—ECONOMICS**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 48 hours in the Business major.

BUSINESS ADMINISTRATION WITH EMPHASIS IN BUSINESS EDUCATION (7-12) WITH ***VOCATIONAL DISTRIBUTIVE EDUCATION CERTIFICATES (K-12)

The student who wishes to prepare for a career in the teaching of business must meet all the requirements for acceptance by the Department of Education as well as the major requirements listed below. The student needs to

confer with an advisor from the Department of Education in planning his program.

A teaching minor is not required in this program but is highly recommended.

Requirements for Business Administration with an Emphasis in Business Education*

BUS 102 Amer. Bus./Free Enterprise	3 hours
CS 133 Introduction to Computer Science	3 hours
MAT120 Intermediate Algebra	3 hours
ECO213, 223 Survey and Principles of Economics	6 hours
BUS 311 Business Ethics	3 hours
BUS 353 Business Law I	3 hours
BUS 383 Business Communications	3 hours
BUS 393 Principles of Marketing	3 hours
BUS 373 Principles of Management	3 hours
BUS 323 Business Finance	3 hours
Choice of Upper Division marketing courses:	
BUS 331, 341, 391, 421, 431	3 hours
ACC214, 233 Financial and Managerial Accounting	6 hours
BUS 400 Bus Ed Internship**	3 hours
Total	45 hours

* Prerequisites: 2.5 GPA in coursework and competency through proficiency tests in the areas of word processing, typing, shorthand and business machines.

** BUS 400 Bus Ed Internship in the high school vocational distributive education program (DECA, HERO, etc.) and/or involvement in the Junior Achievement Program to be equivalent to 135 contact hours.

*** Vocational Distributive Education Certificates are awarded through the Certification Division of the Arizona Department of Education rather than GCC. The student must submit to the Certification Division documentation of 2,000 clock hours of successful occupational experience in a marketing or business management position within the past ten years or an approved planned occupational experience.

ACCOUNTING

ACC 214

FINANCIAL ACCOUNTING

An introduction to the fundamental principles and practices of financial accounting, and the construction of financial statements.

Every semester/3 hours

ACC 233

MANAGERIAL ACCOUNTING

Continuation of ACC 214. An introduction to the fundamentals of managerial accounting data in the decision-making process. *Prerequisite: ACC 214.*

Every semester/3 hours

ACC 313

INTERMEDIATE ACCOUNTING I

Every Fall/3 hours

An in-depth study of accounting objectives, principles, theory and practice as related to assets and related income determination. *Prerequisites: BUS 102 or Junior standing and ACC 233.*

ACC 323

INTERMEDIATE ACCOUNTING II

Every Spring/3 hours

Continuation of ACC 313. Emphasis is placed on liabilities and owners equity, special problems in income determination and financial reporting. *Prerequisites: BUS 102 or Junior standing and ACC 313.*

ACC 353

ADVANCED ACCOUNTING

Every Fall/3 hours

Accounting theory applicable to partnerships and business combinations, international accounting and governmental and institutional accounting. *Prerequisites: BUS 102 or Junior standing and ACC 323.*

ACC 396

DEPARTMENTAL TUTORING

Every semester/2 hours

Designed to train students to help others who are experiencing difficulty in their regular course work. Emphasis is placed on time management, study skills, and test taking. May not be repeated for credit. *Prerequisites: BUS 102 or Junior standing and Approval of the Dept. Head and the Tutor Program Coordinator.*

ACC 423

GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING

On demand/3 hours

Principles of accounting as applied to public sector entities. Budgetary and reporting considerations as well as financial control systems are investigated. *Prerequisites: BUS 102 or Junior standing and ACC 323.*

ACC 433

COST ACCOUNTING

Every Spring/3 hours

Principles of factory and distributive cost accounting, including process, job order, standard cost systems, and budgeting. *Prerequisites: BUS 102 or Junior standing and ACC 233.*



ACC 443**INCOME TAX ACCOUNTING**

Fundamentals of federal income taxation of individuals, partnerships and corporations. Basic research and tax planning methods. *Prerequisites: BUS 102 or Junior standing and ACC 233.*

Every Fall/3 hours

ACC 453**AUDITING THEORY AND PRACTICE**

The principles involved in the examination of financial statements by independent accountants including evaluation of internal control, sampling techniques, audit program development and use, and reporting. Professional Code of Ethics and legal considerations are also covered. *Prerequisites: BUS 102 or Junior standing and ACC 323.*

Every Spring/3 hours

ACC 473**ACCOUNTING THEORY**

An exploration of financial accounting theory and its role in current accounting practice. *Prerequisites: BUS 102 or Junior standing and ACC 323, ACC 353.*

On demand/3 hours

**TUT 300/
400****VOLUNTEER TUTORING**

Designed to train students to help others who are experiencing difficulty in their course work. Emphasis is placed on time management, study skills, and test taking. This course may be repeated. A small stipend is provided upon successful completion of the course.

Every semester/No credit

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 starting and operating a small business will be stressed. To count toward any of the majors in business BUS 102 must be taken prior to the student's completing 64 hours of college work.

Every semester/3 hours

BUS 103**WORD PROCESSING**

A basic course in word processing, presenting certain concepts, procedures and providing laboratory experience. *Prerequisite: Basic typing skills.**

Every semester/3 hours

BUS 311**BUSINESS ETHICS**

An introduction of ethics within the Christian perspective. Issues and applications as found in the business world are addressed. *Prerequisite: BUS 102 or Junior standing.*

Every semester/3 hours

BUS 314**BUSINESS AND TECHNICAL
WRITING**

A course designed to present the best practices in writing business communications and technical reports. *Prerequisite: BUS 102 or Junior standing.*

Fall, 1987, and alternate years/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: BUS 102 or Junior standing and ACC 233 and ECO 223.*

Every Spring/3 hours

BUS 331**SALES AND SALES
MANAGEMENT**

An introduction to selling, including sales organization, planning and salesmanship. *Prerequisites: BUS 102 or Junior standing and BUS 393.*

Every Spring/3 hours

* A non-credit, self-paced typing program is available through the micro computer laboratory.

BUS 333 PERSONNEL ADMINISTRATION

Spring, 1988, and alternate years/3 hours
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.
Prerequisite: BUS 102 or Junior standing.

BUS 341 ADVERTISING PRINCIPLES

Spring, 1988, and alternate years/3 hours
A study of advertising methods, media and strategy. *Prerequisites: BUS 102 or Junior standing and BUS 393.*

BUS 343 BUSINESS STATISTICS

Every Spring/3 hours
A study of business uses of statistical methods in decision making including probability, tests of significance and correlation and regression analysis.
Prerequisites: BUS 102 or Junior standing and MAT 120.

BUS 353 BUSINESS LAW I

Every Fall/3 hours
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. *Prerequisite: BUS 102 or Junior standing.*

BUS 363 BUSINESS LAW II

Every Spring/3 hours
Continuation of **BUS 353**. Included in this course is the study of partnerships, corporations, sales commercial paper, credit, and government regulations and agencies. *Prerequisite: BUS 102 or Junior standing.*

BUS 373 PRINCIPLES OF MANAGEMENT

Every semester/3 hours
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: BUS 102, Junior standing or consent of instructor.*

BUS 383 BUSINESS COMMUNICATIONS

Every semester/3 hours
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. *Prerequisites: BUS 102 or Junior standing and ability to use the typewriter by the touch method.*

BUS 391 CONSUMER BEHAVIOR

Every Fall/3 hours
A study of buying behaviors and social and cultural attitudes that affect market strategies. *Prerequisites: BUS 102 or Junior standing and BUS 393.*

BUS 393 PRINCIPLES OF MARKETING

Every semester/3 hours
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. *Prerequisites: BUS 102 or Junior standing and ECO 213.*

BUS 396 DEPARTMENTAL TUTORING

For course description see **ACC 396** on page 97.

BUS 421 RETAIL MANAGEMENT

Every Spring/3 hours
A study of retail operations, planning, merchandising, promotion and control. *Prerequisites: BUS 102 or Junior standing and BUS 393.*



BUS 431

**MARKETING
MANAGEMENT**

A study of marketing objectives and policies that require executive decisions, marketing activities that relate to other policy areas. *Prerequisites: BUS 102 or Junior standing and BUS 393.*

Every Spring/3 hours

BUS 441

MARKETING RESEARCH

A study of research design, survey making, sampling and questionnaire design. *Prerequisites: BUS 102 or Junior standing and BUS 343, BUS 393.*

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. *Prerequisite: BUS 102 or Junior standing.*

Every Spring/3 hours

BUS 480

BUSINESS POLICY

A Business Capstone Case Course. Focuses on identification and analysis of general management problems in order to formulate policy recommendations to meet the needs of a general manager. Open only to senior business students. *Prerequisite: BUS 102 or Junior standing.*

Every spring/3 hours

**TUT 300/
400**

VOLUNTEER TUTORING

For course description see **TUT 300/400** on page 98.

Every semester/No credit

TRAINING AND DEVELOPMENT

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**

Continuation of **TD 303**. 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*Fall, 1987, and alternate years/3 hours***LEADERSHIP**

Teaches the competencies of leading a business conference and discussion groups, primarily as a learning device or for problem-solving.

TD 333**ORGANIZATIONAL REALITIES***Every Spring/1 hour*

Provides current information supplementing traditional management and organizational behavior curricula to give students greater appreciation for the complexity of "real world" existence in organizations. Explores how organizations are experienced through strategies of power, alliances, manipulation, influence, performance, visibility, symbolism and values.

TD 396**DEPARTMENTAL TUTORING***Every semester/2 hours*

For course description see ACC 396 on page 97.

TD 404**TRAINING AND DEVELOPMENT INTERNSHIP I***Every Fall/4 hours*

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.*

TD 414**TRAINING AND DEVELOPMENT INTERNSHIP II***Every Spring/4 hours*

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.*

**TUT 300/
400 VOL UNTEER TUTORING**

For course description see TUT 300/400 on page 98.

Every semester/No credit

ECONOMICS

ECO 213 PRINCIPLES OF ECONOMICS I*Every Fall/3 hours*

A survey of basic economic concepts, principles, and business practices from a macroeconomic approach. The course includes an overview 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.

ECO 223 PRINCIPLES OF ECONOMICS II*Every Spring/3 hours*

Continuation of ECO 213. From a microeconomics approach covering prices and competition, nonprice competition, income distribution, current domestic problems, international trade, and comparative systems.

ECO 233 FAMILY FINANCIAL PLANNING*Every Fall/3 hours*

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.

ECO 363 MONEY AND BANKING*Fall, 1987, and alternate years/3 hours*

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.*

ECO 383 ECONOMIC HISTORY OF THE UNITED STATES

See HIS 383 on page 131.

ECO 396 DEPARTMENTAL TUTORING

Every semester/2 hours

For course description see **ACC 396** on page 97.

ECO 453 COMPARATIVE ECONOMIC SYSTEMS

Spring, 1987, and alternate years/3 hours

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.*

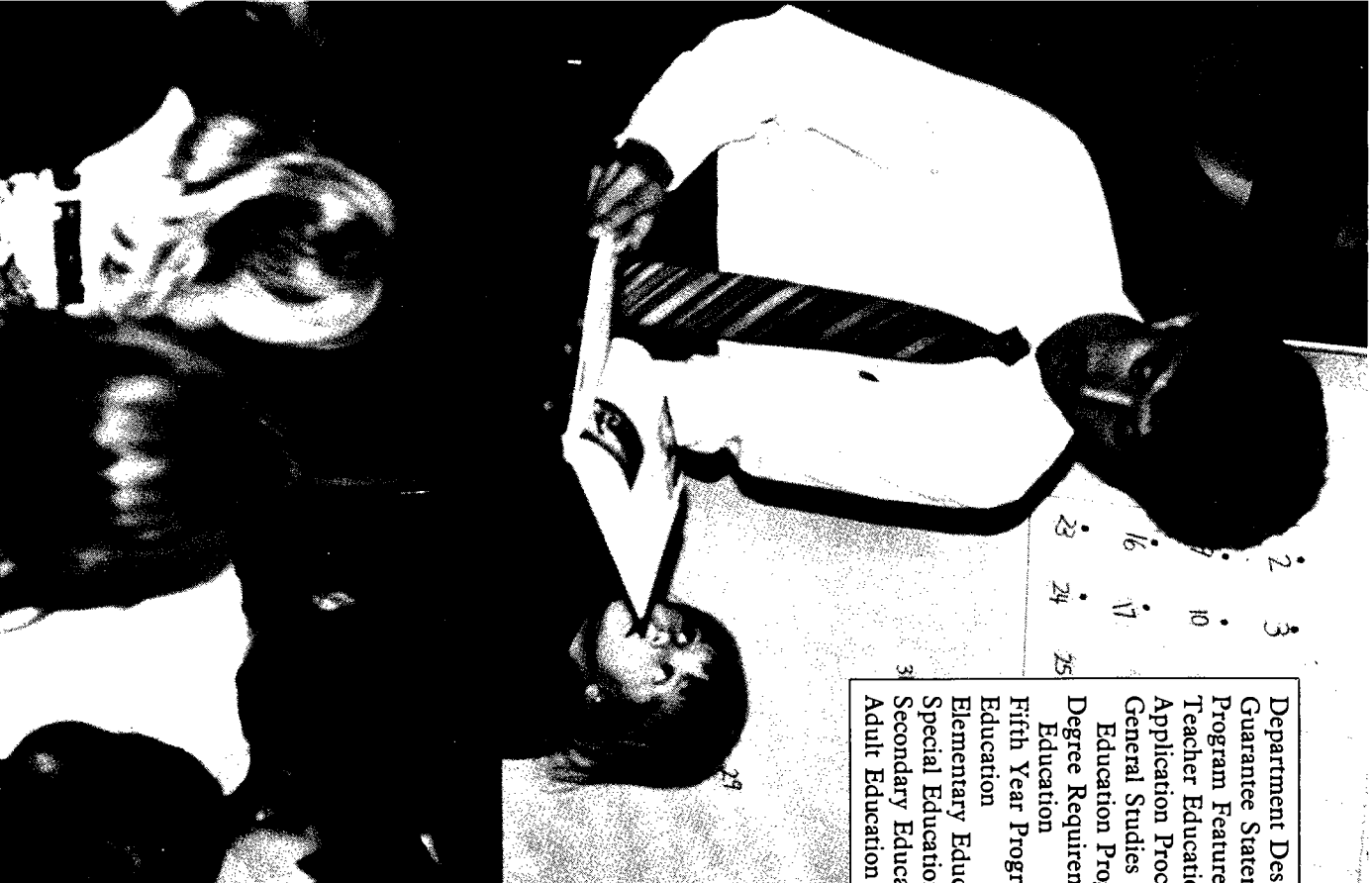
TUT 300/ VOLUNTEER TUTORING

Every semester/No credit

400 For course description see **TUT 300/400** on page 98.

College of Education

Department Description	2
Guarantee Statement	3
Program Features	4
Teacher Education Curricula	10
Application Procedures	17
General Studies for Teacher Education Programs	23
Degree Requirements—Education	24
Fifth Year Program	25
Education	29
Elementary Education	30
Special Education	31
Secondary Education	32
Adult Education	33



DEPARTMENT DESCRIPTION

The preparation of teachers for the public/private schools of our nation is a significant responsibility of the College of Education. The programs are designed in

such a manner that the professional and academic competence of the graduate is prevalent in the classroom.

GUARANTEE STATEMENT

Grand Canyon College will GUARANTEE assistance to any teacher graduate who is experiencing difficulty in the first year of teaching. Believing in the excellence of our program, we will provide assistance to any graduate recommended by Grand Canyon for teaching certification in the state of Arizona at the elementary or secondary level.

Faculty from Grand Canyon College will support the new teacher by acting as consultants in such areas as: curriculum planning and design, classroom management, content presentation, and individualized instruction.

The need for assistance may be determined by the Grand Canyon graduate or by the principal or superintendent. The College of Education will respond to such requests by providing faculty with appropriate expertise, either from Education or other disciplines.

This assistance began with our December, 1984 graduates and continues through their first year of teaching at no expense to the school district or to the teacher graduate.

PROGRAM FEATURES

The Education Program provides these special features:

education graduates in the past ten years.

- **Practical classroom experience** — a minimum total of 90 hours in the K-12 classroom prior to student teaching, begins as early as the sophomore year.
- **Opportunities to design** curriculum materials.
- **Student professional organization** which provides encouragement to you in projects, workshops and academic areas.
- **A placement service** that has averaged a 94% placement rate for

- **Faculty** who have an average of 10 years experience in the school system.

- **Adjunct faculty** who hold current employment in classroom and administrative positions.

- **Choices of study** in the areas of: Special Education — Learning Disabilities, Emotionally Handicapped (grades K-12). Secondary (grades 7-12) with a subject area emphasis. Elementary (grades K-8).

TEACHER EDUCATION CURRICULA

The courses in education are planned primarily to provide curricula for certification of elementary teachers, secondary teachers, and special education teachers.

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

1. Elementary Education (A minor in a content area commonly taught in grades K-8 in public schools in Arizona is required).

2. Special Education (Learning Disabilities and Emotional Handicaps). A minor is required.

3. Secondary Education (Certifiable majors are determined by the Arizona State Department of Education as any course of study that is commonly taught in grades

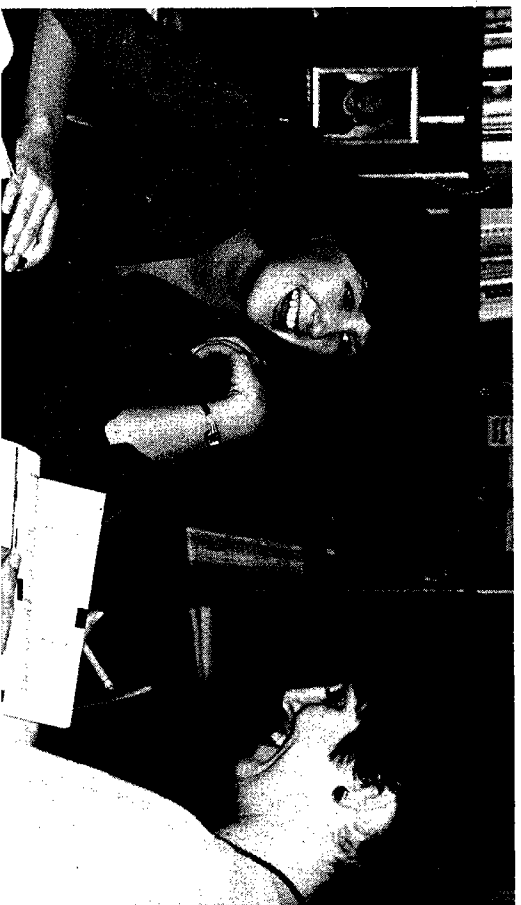
7-12 in public schools in Arizona.) Refer to the prospective departments for a listing of those major requirements.

4. Endorsements (K-12) for Art, Music, and Physical Education. In order to qualify for an Endorsement, one must also have an Elementary Certificate or a Secondary Certificate. The Endorsement involves at least 46 semester hours in the specific teaching field. The methods of teaching in the specific teaching field at the elementary level and the secondary level must both be included in the 46 hours.

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

A person with a bachelor's degree may normally qualify for a temporary 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

**Temporary
Certificate
Elementary
or Secondary**



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.

Standard Certificate, Elementary or Secondary

One who has already earned a bachelor's degree may normally qualify for a standard teaching certificate by completing at least 40-47 hours in upper division courses during a special Fifth Year program designed by the Dean of the College of Education in consultation with the student which will include prescribed professional courses. (See page 113.)

APPLICATION PROCEDURES

Eligibility

In order to become a candidate for teacher education, a student must have completed at least 45 semester hours of college work with a minimum grade point average of 2.50 on all work taken as well as a 2.50 in residence at Grand Canyon. 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 Writing Proficiency Examination. (See page 79.) In order to be exempted from the writing exam, candidates must have received a 4.0 in the required freshman English courses taken at Grand Canyon College.

All candidates must also have passed the basic skills component of the Arizona Teacher Proficiency Examination (ATPE). Applications for the ATPE are available in the Education Office of the Faculty Office Building.

Application procedures and policies are available in an Education Packet at the campus bookstore.

Application for Teacher Education

After completing 45 semester hours, prospective candidates must make written application to the Dean of the College of Education 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. Applicants are responsible for any follow-up necessary for completing their application files. Completed applications are to be on file four weeks prior to the

beginning of the semester or term in which students plan to commence the teacher preparation program. Any application not completed within twelve months will be discarded.

Students will be notified in writing as to the action taken on their applications by the Dean representing the Education Department faculty, subject to appealing 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 education courses except EDU 303, 313, 363, SPE 323, or SED 442.

Once accepted into the Teacher Education Program at Grand Canyon College, or once you have completed one semester in residence as a full-time student at Grand Canyon College, any subsequent courses the student may wish to transfer for purposes of meeting program requirements for student teaching and/or certification may only be done with prior written permission of the College of Education faculty.

Elementary Education majors must have a total of 28 hours in their major taken in residence at Grand Canyon College. At least 12 of these hours must be elementary education methods courses to be selected from EED, 323, 343, 463, 403, or 433.

Secondary Education majors must have a total of 19 hours in Education taken in residence at Grand Canyon College. The following courses must be taken in residence at Grand Canyon College: SED 442, 443, 452, and 462.

The faculty of the College of Education reserves the right to change a program of study if a student is not competent in an area of 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. A 2.50 grade point average overall, a 2.50 at Grand Canyon College,

and a 2.50 in the major areas as well as a recommendation from the faculty are prerequisites.

Students must receive a minimum grade of "C" (2.0) in all courses in their major as well as all courses in education.

Deadlines for applying for student teaching are as follows:

- To teach during Fall semester—February 1
- To teach during Spring semester—October 1
- To teaching during Summer session—March 1
(Available to Fifth Year students only.)

All students must complete eight (8) semester hours to include nine (9) weeks of student teaching in each area of certification.

Student Teaching Semester

The student teaching semester is offered on a "block" basis. The students complete 12-14 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 4-6 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.



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 student teaching assignment is an on-site program at the school and the student is expected to follow the same work schedule as the cooperating teacher.

The evaluation of the student teacher's work is a dual responsibility of the College and of the school in which the student teaching is done.

Any student who withdraws from student teaching or any student who does not receive credit for student teaching, must appeal in writing to the faculty of the College of Education for re-admittance.

GENERAL STUDIES FOR TEACHER EDUCATION PROGRAMS*

Bible — Old and New Testament History	6 hours
English — Freshman English	6 hours
Humanities:	
Speech 113	3 hours
Electives Chosen from: Art, Music, Literature, Theater, Philosophy, Performing Arts	3 hours
American History (Elementary Ed)	
or	
American History or Civilization (Secondary Ed)	6 hours
Government: Federal and State	3 hours
General Psychology	3 hours
Adolescent Psychology (Secondary Ed)	
or Child Psychology (Elementary Ed or Special Ed)	3 hours
PE	2 hours
Math	3 hours
Science	
Lab Science	4 hours
Elective chosen from Science, Math or Computer Science	<u>3 hours</u>
	<u>45 hours</u>

*NOTE: The Direct Transfer Plan from accredited community colleges does not apply to the teacher education program.

DEGREE REQUIREMENTS - EDUCATION**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 Instructional Media	3 hours
EDU 313 Educational Psychology	3 hours
EED 323 Curriculum and Methods: Science	3 hours
EED 343 Curriculum and Methods: Language Arts	3 hours
EED 463 Curriculum and Methods: Social Studies	3 hours
EED 403 Curriculum and Methods: Mathematics	3 hours
EED 312 Decoding	3 hours
EED 433 Curriculum and Methods: Reading	3 hours
EED 443 Reading Practicum in the Elementary School	3 hours
SPE 323 Orientation to the Exceptional Child	2 hours
EDU 430 Classroom Management	3 hours
EDU 413 Tests and Measurements	3 hours
EDU 420 Orientation to Student Teaching	2 hours
EDU 480 Student Teaching: Elementary School	2 hours
	8 hours
	47 hours

* Prerequisite to all other education courses

** Education Block — 12 hours

Elementary Education majors must present an 18-24 hour minor in a content area commonly taught in grades K-8 in public schools in Arizona.

**Recommended electives for elementary
teacher candidates:**

EDU 183 Exploring Education as a Career	3 hours
EDU 313 Early Childhood Education	3 hours
ETL 473 Children's Literature	3 hours
AE 303 Art in the Elementary School or AE 323 Art Media/Methods for the Elementary Teacher	3 hours
HLT 333 School Health Problems	3 hours
MED 381 Music in the Primary and Elementary Grades	3 hours
PE 323 Physical Education for Elementary Grades	3 hours

COURSES FOR LEARNING DISABILITIES (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8)

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

*	EDU 303 Foundations of Education	3 hours
	EDU 313 Educational Psychology	3 hours
	EDU 363 Instructional Media	3 hours
	EED 323 Curriculum and Methods: Science	3 hours
	EED 343 Curriculum and Methods: Language Arts	3 hours
	EED 463 Curriculum and Methods: Social Studies	3 hours
	EED 403 Curriculum and Methods: Mathematics	3 hours
	EED 312 Decoding	3 hours
	EED 433 Curriculum and Methods: Reading	3 hours
	EED 443 Reading Practicum in the Elementary School	2 hours
*	SPE 323 Orientation to the 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	3 hours
**	EDU 430 Classroom Management	3 hours
	EDU 413 Tests and Measurements	2 hours
	EDU 420 Orientation to Student Teaching	2 hours
	SPE 408 Student Teaching: Learning Disabilities	8 hours
	EED 480 Student Teaching in the Elementary School	<u>8 hours</u>
		67 hours

A minor is required.

* Prerequisite to all other education courses

** Education Block — This sequence is available to Special Education majors only in the Fall and will overlap into the Spring semester due to the 18 week student teaching requirement. The Block courses 413 and 420 may be taken in the Spring as a prerequisite to the student teaching courses which would begin with the proceeding Fall semester.

COURSES FOR EMOTIONALLY HANDICAPPED (Grades K-12) AND ELEMENTARY CERTIFICATION (Grades K-8)

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

*	EDU 303 Foundations of Education	3 hours
	EDU 313 Educational Psychology	3 hours
	EDU 363 Instructional Media	3 hours
	EED 323 Curriculum and Methods: Science	3 hours
	EED 343 Curriculum and Methods: Language Arts	3 hours

EED 463 Curriculum and Methods: Social Studies	3 hours
EED 403 Curriculum and Methods: Mathematics	3 hours
EED 312 Decoding	3 hours
EED 433 Curriculum and Methods: Reading	3 hours
EED 443 Reading Practicum in the Elementary School	2 hours
* SPE 323 Orientation to the Exceptional Child	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 430 Classroom Management	3 hours
EDU 413 Tests and Measurements	2 hours
EDU 420 Orientation to Student Teaching	2 hours
SPE 418 Student Teaching: Emotionally Handicapped	8 hours
EED 480 Student Teaching in the Elementary School	8 hours
	67 hours

A minor is required.

* Prerequisite to all other education courses

** Prerection Block — This sequence is available to Special Education majors only in the Fall and will overlap into the Spring semester due to the 18 week student teaching requirement. The Block courses 413 and 420 may be taken in the Spring as a prerequisite to the student teaching courses which would begin with the preceding Fall semester.

COURSES FOR SECONDARY CERTIFICATE (Grades 7-12)

(Degree depends on Major)

* EDU 303 Foundations of Education	3 hours
EDU 313 Educational Psychology	3 hours
EDU 363 Instructional Media	3 hours
SED 442 Secondary Methods	2 hours
SED 452 Reading in the Secondary School	3 hours
SED 462 Reading Practicum in Secondary School	2 hours
SPE 323 Orientation to the Exceptional Child	3 hours
EDU 430 Classroom Management	3 hours
EDU 413 Tests and Measurements	2 hours
SED 443 Secondary Curriculum Development	2 hours
EDU 420 Orientation to Student Teaching	2 hours
SED 480 Student Teaching: Secondary School	8 hours
	36 hours

* Prerequisite to all other education courses.

** Education Block — 14 hours

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

All students interested in teaching at the secondary level must have an advisor from the Education faculty as well as an advisor from the major field of study.

The minor, also required for graduation, should be 24 semester hours, 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 a regionally accredited institution are recommended for standard certification after successful completion of a

fifth-year program of at least 40-47 semester hours of upper division work in appropriate professional education, academic preparation, and/or supervised student teaching experience. Policies and requirements for admission to the program are the same as those noted for degree candidates.

EDUCATION

EDU 103

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 development, flexibility of rate, note taking, study skills, time management and test-taking techniques.

Every semester/3 hours

EDU 113

READING SKILLS FOR SUCCESS IN COLLEGE

See EDU 103 above.

EDU 183

EXPLORING EDUCATION AS A CAREER

Designed for students who are thinking of choosing teaching as a profession. By observation and participation, students experience working with children and young people as well as being involved in many of the duties of a teacher. A practicum of 90 hours will be spent in a K-12 classroom.

Fall and Spring on demand/3 hours

EDU 303

FOUNDATIONS OF EDUCATION

Every semester/3 hours

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. *Prerequisite: SPC 113.*

EDU 313 EDUCATIONAL PSYCHOLOGY

Every semester and every Summer/3 hours
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.
Prerequisites: PSY 213 and PSY 353 or PSY 373.

EDU 355 USING COMPUTERS IN THE CLASSROOM *Every January/3 hours*
This course will provide a basic knowledge of computers as related to education. How they work, what they can do for us, and current issues in all teaching disciplines. It will also give practical experience enabling the student to use the computer as a tool in teaching.

EDU 363 INSTRUCTIONAL MEDIA *Every semester and every Summer/3 hours*
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.

EDU 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see **ACC 396** on page 97.

EDU 413 TESTS AND MEASUREMENTS *Every semester and every Summer/2 hours*
Deals with the philosophy of testing, the construction of tests, and the actual administration and interpretation of tests. Examination of sample tests. Students select either high school or elementary tests for study and engage in test construction in either field. *Prerequisites: EED 343, 403 or SED 442, 443.*

EDU 420 ORIENTATION TO STUDENT TEACHING *Every semester/2 hours*
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 college. *Prerequisites: All required courses for certification except EDU 413, SED 443 and student teaching.*

EDU 430 CLASSROOM MANAGEMENT *Every January Term and Summer on demand/3 hours*
Designed to allow the perspective teacher the opportunity to learn techniques involved in the successful management of a learning environment. Major emphasis is given to the establishment of a realistic discipline plan.

TUT 300/400 VOLUNTEER TUTORING *Every semester/No credit*
For course description see **TUT 300/400** on page 98.

ELEMENTARY EDUCATION

EED 312 DECODING *Every semester and every Summer/3 hours*
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.*

EED 313 EARLY CHILDHOOD EDUCATION *Every Spring on demand/3 hours*
Considers philosophy, principles, practices, and problems of curriculum at the nursery-kindergarten level. Approaches to creative teaching and learning through motivation, environmental changes, and experimentation.

EED 323 CURRICULUM AND METHODS: SCIENCE *Every semester and every Summer/3 hours*

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, a laboratory science course, EDU 313.*

EED 343 CURRICULUM AND METHODS: LANGUAGE ARTS *Every semester and every Summer/3 hours*

This course is designed to familiarize the student with language arts skills. Emphasis will be placed on new approaches in teaching and developing creative activities to involve students in the language arts curriculum. Laboratory experiences. *Prerequisite: EDU 303.*

EED 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see ACC 396 on page 97.

EED 403 CURRICULUM AND METHODS: MATHEMATICS *Every semester/3 hours*

The student is involved in the formulation of programs for the individual child to teach the theory and practice of elementary mathematics. Utilization of games in the classroom, manipulative materials, and mathematics curriculum in the elementary school are examined. *Prerequisites: EDU 303, EDU 313, and MAT 113.*

EED 433 CURRICULUM AND METHODS: READING *Every semester/3 hours*

Techniques for teaching all aspects of reading through various approaches as well as emphasizing how to develop life-long readers. Must be taken concurrently with EED 443. *Prerequisites: EDU 303, EED 343, EED 312.*

EED 443 READING PRACTICUM IN THE ELEMENTARY SCHOOL *Every semester/2 hours*

A school centered practicum designed to provide prospective teachers with teaching experience in reading over the length of one semester in a school classroom. Taken concurrently with EED 433. *Prerequisites: EDU 303, EED 343, EED 312.*



EED 463**CURRICULUM AND METHODS:
SOCIAL STUDIES**

Every semester and every Summer/3 hours
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.*

EED 480**STUDENT TEACHING:
ELEMENTARY GRADES**

Every semester/8 hours
The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. *Prerequisites: Required courses for elementary certificate, a 2.5 GPA, and admission to the elementary education program. Credit only. No grade is given.*

**TUT 300/
400****VOLUNTEER TUTORING**

Every semester/No credit
For course description see **TUT 300/400** on page 98.

SECONDARY EDUCATION

SED 396**DEPARTMENTAL TUTORING**

Every semester/2 hours
For course description see **ACC 396** on page 97.

SED 442**SECONDARY METHODS**

Every semester and every Summer/2 hours
Designed to help teachers and prospective teachers of young adults to find their own teaching style and recognize the different learning styles of their students in order to make appropriate decisions about all aspects of the teaching act. Emphasis is given to teaching methodology which encourages problem solving and active participation. *Prerequisites: EDU 303, EDU 313.*

SED 443**SECONDARY CURRICULUM
DEVELOPMENT**

Every semester and every Summer/2 hours
A study of secondary school curriculum development. Consideration is also given to development of curriculum for adult learners as needed for Training and Development Students. Major emphasis is given to planning instructional objectives, lesson planning and developing a model curriculum. *Prerequisites: EDU 303, EDU 313, SED 442 and admittance to the teacher preparation program or training and development program. Training and development majors take this concurrently with TD 313.*

SED 452**READING IN THE
SECONDARY SCHOOL**

Every semester/3 hours
This course is designed to help secondary and upper elementary teachers become aware of the reading/learning skills needed to be successful in content classes. *Prerequisites: EDU 303, EDU 313, SED 442, and admittance to the teacher preparation program.*

SED 462**READING PRACTICUM IN
THE SECONDARY SCHOOL**

Every semester/2 hours
A school centered experience designed to provide prospective junior high and high school teachers with an intensive involvement with students in reading to include decoding skills and content classes. Should be taken simultaneously or immediately after **SED 452**. *Prerequisites: EDU 303, EDU 313, SED 452, and admittance to the teacher preparation program.*

SED 480**STUDENT TEACHING:
SECONDARY SCHOOL**

Every semester/8 hours
The student is assigned to an approved school to serve as a teacher for nine weeks under the supervision of an experienced teacher. *Prerequisites: Required courses for a secondary certificate, completed major, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.*

TUT 300/ 400 VOLUNTEER TUTORING*Every semester/No credit*For course description see **TUT 300/400** on page 98.**SPECIAL EDUCATION****SPE 323 ORIENTATION TO THE EXCEPTIONAL CHILD***Every semester/3 hours*

Introduction to the various categories of exceptionality, with their characteristics.

SPE 333 DIAGNOSIS AND REMEDIATION OF LEARNING PROBLEMS*Every Spring/3 hours*Characteristics and uses of diagnostic instruments which can be used to identify and evaluate learning problems of students. *Prerequisite: SPE 323.***SPE 353 SURVEY OF LEARNING DISABILITIES***Every Summer/3 hours*Developmental and observable characteristics of the child with learning disabilities, encompassing the many individual theories being applied to education of the special student. *Prerequisite: SPE 323.***SPE 363 METHODS OF TEACHING CHILDREN WITH LEARNING DISABILITIES***Every Fall/3 hours*Examines the methods of remediating learning dysfunctions which affect perception, integration, and expression. Emphasizes methods for planning and implementing instructional programs. *Prerequisite: SPE 333***SPE 383 SURVEY OF EDUCATING CHILDREN WITH EMOTIONAL HANDICAPS***Every Summer/3 hours*A general study of characteristics of emotionally handicapped or socially maladjusted individuals and educational programs available for them. *Prerequisite: SPE 323.***SPE 393 METHODS OF TEACHING THE EMOTIONALLY HANDICAPPED CHILD***Every Spring/3 hours*Methods and techniques of planning and implementing instructional programs for children with emotional handicaps. *Prerequisite: SPE 323.***SPE 396 DEPARTMENTAL TUTORING***Every semester/2 hours*For course description see **ACC 396** on page 97.**SPE 408 STUDENT TEACHING IN SPECIAL EDUCATION: LEARNING DISABILITIES***Every semester/8 hours*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. *Prerequisites: Required courses for special education certificate, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.***SPE 418 STUDENT TEACHING IN SPECIAL EDUCATION: EMOTIONALLY HANDICAPPED***Every semester/8 hours*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. *Prerequisites: Required courses for special education certificate, a 2.5 GPA, and admission to the teacher education program. Credit only. No grade is given.***TUT 300/ VOLUNTEER TUTORING****400**For course description see **TUT 300/400** on page 98.*Every semester/No credit*

ADULT EDUCATION

AED 353

SURVEY OF ADULT EDUCATION

Fall, 1986, and alternate years on demand/3 hours
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.

AED 363

PRINCIPLES OF TEACHING ADULTS

Spring, 1987, and alternate years on demand/3 hours
Factors considered in establishing and developing adult education programs in schools, business, and industry.

Health and Physical Education

Department Description
Degree Requirements—
Health Education
Health Education Courses
Degree Requirements—
Physical Education
Physical Education Courses
Degree Requirements—
Recreation
Recreation Courses



DEPARTMENT DESCRIPTION

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 Academic

Dean, 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, 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.

DEGREE REQUIREMENTS—HEALTH 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

HEALTH EDUCATION

HLT 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

Every Fall/3 hours

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.

HLT 353

ANATOMY AND PHYSIOLOGY

Every Fall/3 hours

A study of the basic structures, functions, and various systems of the human organism by means of charts, models, and observations of laboratory techniques. *Prerequisite: PE 243.*

HLT 363

METHODS OF TEACHING HEALTH

Every Spring/3 hours

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.

HLT 383

DRUG ABUSE SEMINAR See **SOC 383** on page 132.

HLT 399

PRACTICUM See page 75.

HLT 396

DEPARTMENTAL TUTORING

Every semester/2 hours

For course description see **ACC 396** on page 97.

HLT 499

INDEPENDENT STUDY See page 74.

TUT 300/

VOLUNTEER TUTORING

Every semester/No credit

400

For course description see **TUT 300/400** on page 98.

DEGREE REQUIREMENTS—PHYSICAL EDUCATION

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

PE 101, 111, 121, 131, 211, 231, 241 (choice)	Any 4 hours
PE 243 History and Principles	3 hours
PE 282 Professional Activities	2 hours
PE 292 Professional Activities	2 hours
PE 303 Measurement in Physical Education	3 hours
PE 313 Kinesiology	3 hours
PE 323 or 413 Methods	3 hours
PE 373 Recreation Administration	3 hours
PE 423 Organization and Administration	3 hours
Physical Education Electives	7 hours
HLT353 Anatomy and Physiology	3 hours

Note: Students who wish to qualify for K-12 certification must earn 46 hours which includes both PE 413 and 323.

Requirements for a minor in Physical Education

PE 101, 111, 121, 131, 211, 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
HLT353 Anatomy and Physiology	3 hours

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 to be taken. Each class meets twice a week. Two different sports must be included.

Every semester/1 hour

PE 101

Instruction and practice in the skills of swimming.

Every semester/1 hour

PE 111

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

Instruction and practice in softball, basketball, and volleyball.

Every semester/1 hour

PE 211

Course is designed to introduce and develop fundamental skills and principles of aerobics; and to apply these skills to achieve overall fitness and personal health.

Every Fall/3 hours

PE 213

RECREATIONAL ACTIVITIES

Also **REC 213**. Games and contests for home, school, and community leisure time.

Every semester/1 hour

PE 221

Instruction and practice in the fundamentals of Tennis. Designed for those students who have some skill in the sport. Instructor approval required.

Every semester/1 hour

PE 231

Instruction and practice in the fundamentals of archery.

Every semester/1 hour

PE 241

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

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/2 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 Spring/2 hours

PE 292

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

Every Spring/3 hours

PE 303

MEASUREMENT IN PHYSICAL EDUCATION *Every Spring/3 hours*
Test and Measurements in Physical Education; date analysis techniques for test evaluation, test construction, and grading. Also deals with test of fitness and sports skills.

PE 313

KINESIOLOGY

Every Spring/3 hours

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.*

PE 314

CARE & PREVENTION OF ATHLETIC INJURIES

Every January Term/3 hours

A course designed to provide the students with a basic knowledge and understanding of the principles of sports medicine, the care and treatment of athletic trauma and the use of proper conditioning principles in prevention of injury. *Recommended prerequisite: PE 313.*

PE 323

PHYSICAL EDUCATION FOR ELEMENTARY GRADES

Every Spring and every Summer/3 hours

A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child.

PE 333

ATHLETIC COACHING, BASKETBALL

Every Fall/3 hours

A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.

PE 343

SPORTS OFFICIATING

Every Fall/3 hours

A study of the rules and mechanics of officiating football, basketball, and baseball.

PE 363

PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD

Every Fall and Summer/3 hours

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.

PE 373

RECREATION ADMINISTRATION

Every Spring/3 hours

Also **REC 373**. A study of the philosophy, scope, and basic values of recreation, its organization, and administration.

PE 383

ATHLETIC COACHING, BASEBALL

Every Fall/3 hours

A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy.

PE 396

DEPARTMENTAL TUTORING

Every semester/2 hours

For course description see **ACC 396** on page 97.

PE 399

PRACTICUM See page 75.

PE 413

PHYSICAL EDUCATION IN SECONDARY SCHOOL

Every Fall/3 hours

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.*

PE 423

ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

Every Spring/3 hours

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.*

PE 499

INDEPENDENT STUDY See page 74.

TUT 300/

VOLUNTEER TUTORING

Every semester/No credit

400

For course description see **TUT 300/400** on page 98.

DEGREE REQUIREMENTS—RECREATION

Requirements for a minor in Recreation

REC 203 Introduction to Recreation	3 hours
REC 213 Recreation Activities	3 hours
REC 313 Outdoor Recreation	3 hours
REC 303 Church Recreation	3 hours
REC 373 Recreation Administration	3 hours
REC 403 Internship	3 hours

In addition to the above, the following courses are also required:

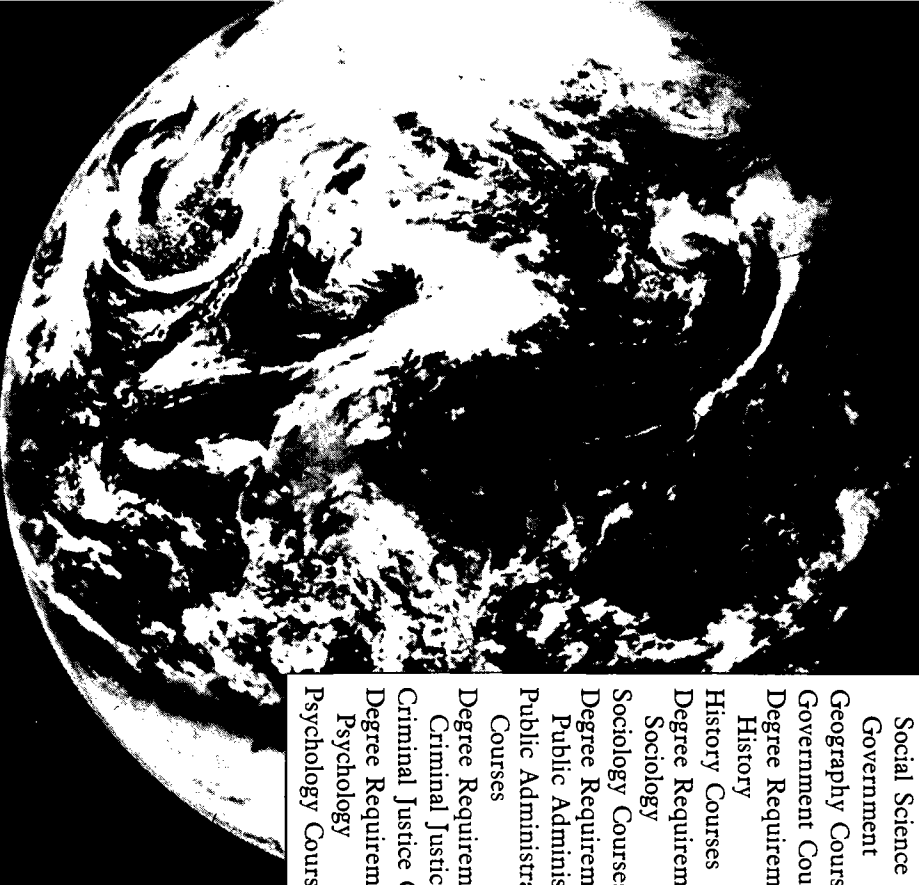
PE 282 Professional Activities	2 hours
PE 292 Professional Activities	2 hours
HLT 203 First Aid and Safety	3 hours

RECREATION

REC 203	INTRODUCTION TO RECREATION A course designed to introduce the student to the philosophy and early development of recreation in America. It is also structured to examine the role and status of the varied agencies engaged in recreation programs.	<i>Every Spring/3 hours</i>
REC 213	RECREATIONAL ACTIVITIES See PE 213 on page 122.	<i>Every Fall/3 hours</i>
REC 303	CHURCH RECREATION Also REL 302. A course designed to give specific directions in program planning and techniques for setting up and implementing a total church recreation program.	<i>Every Fall/3 hours</i>
REC 313	OUTDOOR RECREATION <i>Summer, January Term or on demand/3 hours</i> A course designed to acquaint the student with the knowledge and experience of outdoor living. Camping, back-packing, and desert survival will be explored.	
REC 373	RECREATIONAL ADMINISTRATION See PE 373 on page 123.	<i>Every Spring/3 hours</i>
REC 396	DEPARTMENTAL TUTORING For course description see ACC 396 on page 97.	<i>Every semester/2 hours</i>
REC 403	INTERNSHIP The student is assigned to an approved recreational facility to serve as a leader or assistant leader under the supervision of a recreation employee for a specified number of hours. Periodic conferences and evaluations are scheduled with the supervising teacher. <i>Prerequisites: REC 203 and REC 273.</i>	<i>Every Summer/3 hours</i>
TUT 300/400	VOLUNTEER TUTORING For course description see TUT 300/400 on page 98.	<i>Every semester/No credit</i>

History, Social Sciences and Psychology

Department Description
Degree Requirements—
Behavioral Sciences
Social Science
Government
Geography Courses
Government Courses
Degree Requirements—
History
History Courses
Degree Requirements—
Sociology
Sociology Courses
Degree Requirements—
Public Administration
Public Administration
Courses
Degree Requirements—
Criminal Justice
Criminal Justice Courses
Degree Requirements—
Psychology
Psychology Courses



DEPARTMENT DESCRIPTION

History and the Social Sciences are related. History is largely the record and analysis of the political, economics and social conditions and changes of man. Anthropology, geography, political science, psychology and sociology increase our understanding of human actions in the past and present. The department serves two principal functions: the provision of a liberal arts education and specialized training for future careers.

Public Administration is a major which prepares individuals for managerial and/or professional positions in a variety of public organizations. Emphasis is placed on the acquisition of business skills and knowledge of their application in governmental and quasi public organizations.

The Criminal Justice major and minor prepares individuals for positions in police work, corrections and courts. If the student is interested in managerial or professional positions in these fields, a Public Administration major and the Criminal Justice minor is suggested.

Courses offered in Psychology are designed to acquaint students with a basic understanding of the complexities of human behavior. Career fields involve social work, church-related vocations, medicine, or business. While a major in psychology may provide a background for entrance into these career fields, the courses may be used as prerequisites for admission to a graduate program in the professional field of psychology.

DEGREE REQUIREMENTS - BEHAVIORAL SCIENCES

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 Electives in Psychology or Sociology (Upper Division)	3 hours
	6 hours

**Not recommended for prospective teachers in secondary education.

DEGREE REQUIREMENTS - SOCIAL SCIENCE

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

HIS 101 and 102 Western Civilization to 1715 and Western Civilization since 1715	6 hours
HIS 213 and 223 Early and Recent American History	6 hours
SOC 213 Principles of Sociology and SOC 223 Social Problems	6 hours

GOV203 Federal and Arizona Government	3 hours
ECO 213 Principles of Economics I	3 hours
Geography	3 hours
Upper Division courses in Social Studies	12 hours

Requirements for a minor in Social Science

HIS 101 and 102 Western Civilization to 1715 and Western Civilization since 1715, or HIS 213	
Early and Recent American History	6 hours
SOC 213 Principles of Sociology	3 hours
GOV203 Federal and Arizona Government	3 hours
ECO 213 Principles of Economics I	3 hours
Geography	3 hours

(3 hours must be Upper Division)

DEGREE REQUIREMENTS - GOVERNMENT

Requirements for a minor in Government

GOV203 Federal and Arizona Government	3 hours
Electives in Government	15 hours

GEOGRAPHY

GEO 233	WORLD GEOGRAPHY	<i>Every Fall/3 hours</i>
	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.	
GEO 313	PHYSICAL GEOGRAPHY	<i>Every Spring/3 hours</i>
	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.	
GEO 396	DEPARTMENTAL TUTORING	<i>Every semester/2 hours</i>
	For course description see ACC 396 on page 97.	
TUT 300/400	VOLUNTEER TUTORING	<i>Every semester/No credit</i>
	For course description see TUT 300/400 on page 98.	

GOVERNMENT

GOV 203	FEDERAL AND ARIZONA GOVERNMENT	<i>Every semester and every Summer/3 hours</i>
	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.	
GOV 252	FEDERAL GOVERNMENT	<i>Every semester and every Summer/2 hours</i>
	The first half of GOV 203, a survey of American Government. This half meets the teacher certification requirement for American Government.	

GOV 262**ARIZONA GOVERNMENT**

The second half of GOV 203, a survey of Arizona History and Government. This half meets the teacher certification requirement for Arizona government.

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.*

GOV 323

INTERNATIONAL RELATIONS Fall, 1987, and alternate years/3 hours
A study of the history of international politics, contemporary world power structure, and international law and organization. *Prerequisite: 6 hours of history and government.*

GOV 333

EARLY POLITICAL THOUGHT Fall, 1986, and alternate years/3 hours
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.*

GOV 343**CONTEMPORARY POLITICAL THOUGHT**

Continuation of GOV 333. Deals 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.*

GOV 393**AMERICAN DIPLOMATIC HISTORY**

Spring, 1988, and alternate years/3 hours
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.*

GOV 396**DEPARTMENTAL TUTORING**

For course description see ACC 396 on page 97. *Every semester/2 hours*

GOV 423**CONSTITUTIONAL HISTORY OF THE UNITED STATES**

Fall, 1987, and alternate years/3 hours
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.*

TUT 300/**VOLUNTEER TUTORING**

400 For course description see TUT 300/400 on page 98. *Every semester/No credit*

DEGREE REQUIREMENTS - HISTORY**Requirements for a major in History (B.A. Degree)**

- HIS 101 and 102 Western Civilization to 1715 and
Western Civilization since 1715 6 hours
- HIS 213 and 223 Early and Recent
American History 6 hours

- HIS 321 Ancient and Medieval History 3 hours
 HIS 483 Senior Seminar in History 3 hours
 * Electives in History (12 hours Upper Division) 15 hours

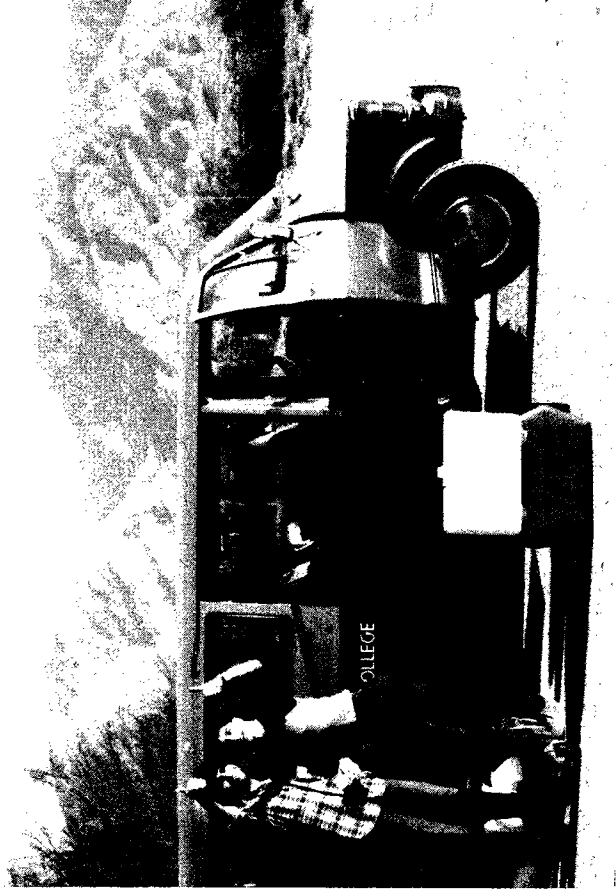
*There may be electives of 6 hours from History 473, Government 313, 323, 333, 334.

Requirements for a minor in History

- HIS 101 and 102 Western Civilization to 1715 and
 Western Civilization since 1715 6 hours
 HIS 213 and 223 Early and Recent
 American History 6 hours
 HIS 321 Ancient and Medieval History 3 hours
 Upper Division courses in History 6 hours

HISTORY

- HIS 101 WESTERN CIVILIZATION TO 1715** *Every semester/3 hours*
 Designed to introduce the student to the origin of Western Civilization. Attention is given to the cultural, political, and socioeconomic factors. After a brief survey of the ancient and medieval world, the Renaissance and Reformation are studied and related to the transition from medieval to early modern culture. The rise of the centralized national state, the rise of absolutism, and the scientific revolutions are also studied.
- HIS 102 WESTERN CIVILIZATION SINCE 1715** *Every semester/3 hours*
 A continuation of HIS 101 but students need not have taken HIS 101 before taking 102. A study of the decline of absolutism; the political, and industrial revolution; as well as 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 20th century.
- HIS 213 EARLY AMERICAN HISTORY** *Every semester/3 hours*
 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.
- HIS 223 RECENT AMERICAN HISTORY** *Every semester/3 hours*
 Continuation of HIS 213. Deals 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.
- HIS 303 BAPTIST AND AMERICAN CHURCH HISTORY** *Every Spring/3 hours*
 Also REL. 303. Continuation of HIS 353. 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.
- HIS 313 HISTORY OF ENGLAND TO 1714** *Fall, 1986, and alternate years/3 hours*
 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: HIS 101 and HIS 102, or permission of instructor.*

**HIS 314****MODERN BRITAIN***Spring, 1987, and alternate years/3 hours*

A study of the significant political, economic, and social developments of 18th, 19th, and 20th century Britain, with particular attention given to the factors which contributed to Britain's position as a leading power in the 19th century and its decline from that position in the 20th century. *Prerequisites: HIS 101 and 102.*

HIS 317**STUDIES IN THE NON-WESTERN WORLD***On demand*

A study of some aspects of the non-western world. Geographic areas studied will vary. Emphasis will be on culture, history, and contemporary situation.

HIS 321**ANCIENT AND MEDIEVAL HISTORY***Fall, 1987, and alternate years/3 hours*

A survey of the Western Civilization during the Ancient and Medieval World. Political, intellectual, socioeconomic, aesthetic and religious factors will be considered. *Prerequisite: HIS 101.*

HIS 333**THE RENAISSANCE AND REFORMATION***Fall, 1987, and alternate years/3 hours*

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 101.*

HIS 353**CHURCH HISTORY***Every Fall/3 hours*

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 17th century and the rise of the major Protestant groups.

HIS 373 LATIN AMERICAN HISTORY *Spring, 1988, and alternate years/3 hours*
A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, the wars of independence and Latin American republics from the era of independence to the present. *Prerequisite: 6 hours of history.*

HIS 383 ECONOMIC HISTORY OF THE UNITED STATES *Fall, 1986, and alternate years/3 hours*
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 213 and HIS 213 and HIS 223.*

HIS 393 AMERICAN DIPLOMATIC HISTORY See **GOV 393** on page 128.
HIS 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see **ACC 396** on page 97.

HIS 413 RUSSIA AND EASTERN EUROPE *Fall, 1987, and alternate years/3 hours*
A study of the Russian peoples and their rulers from the earliest times to the present. *Prerequisites: HIS 101 and HIS 102.*

HIS 423 CONSTITUTIONAL HISTORY OF THE UNITED STATES
See **GOV 423** on page 128.

HIS 443 TWENTIETH CENTURY EUROPE *Spring, 1987, and alternate years/3 hours*
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 cold war; and the United Nations and contemporary efforts to establish peace. *Prerequisite: HIS 102.*

HIS 445 PROBLEMS IN EUROPEAN HISTORY *Spring, 1988, and alternate years/3 hours*
A study of eight to ten major problems in European history. Emphasis will be on historiography and analysis. *Prerequisites: HIS 101 and HIS 102.*

HIS 473 THE TEACHING OF SOCIAL STUDIES *On demand*
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.*

HIS 493 THE WEST IN AMERICAN HISTORY *Spring, 1987, and alternate years/3 hours*
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 HIS 223.*

HIS 483 SENIOR SEMINAR *Every Spring/3 hours*
An exploration of the historical discipline. Students study the meaning and interpretation of history, methodology and career opportunities.

HIS 499 INDEPENDENT STUDY See page 74. *Every semester*

TUT 300/ VOLUNTEER TUTORING *Every semester/No credit*
400 For course description see **TUT 300/400** on page 98.

DEGREE REQUIREMENTS - SOCIOLOGY

Requirements for a major in Sociology (B.S. Degree)

SOC 213 Principles of Sociology and SOC 223 Social Problems	6 hours 3 hours
SOC 323 History of Social Thought SOC 362 Introduction to Probability and Statistics	3 hours 3 hours 18 hours
SOC 373 Social Research Electives in Sociology (18 hours Upper Division)	3 hours 18 hours

Requirements for a minor in Sociology

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

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 semester/3 hours

SOC 223

SOCIAL PROBLEMS

A survey of the various issues and problems faced by contemporary American society including poverty, war, inequality, crime, energy and food shortages, sexual behavior, and drug and alcohol abuse. A cross-cultural perspective will be employed to further an understanding of the history, nature, and possible solutions of these social problems.

Every Spring/3 hours

SOC 231

INTRODUCTION TO

SOCIAL WORK

An overview of the training, tasks, and opportunities in the profession of social work. The student will be introduced to the skills, knowledge base, and functional role of the social worker. Exposure to various settings of social work practice will be provided.

Spring, 1987, and alternate years/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.

Every Spring/3 hours

Prerequisite: PSY 213 or SOC 213.

SOC 313

CULTURAL ANTHROPOLOGY

A study of social cultures which have developed in human society. Attention is given to preliterate peoples in comparison with our own and other cultures. The origin and development of the cultures, their technologies, economies, social organizations, and beliefs are surveyed.

Every Spring/3 hours

SOC 323 HISTORY OF SOCIAL THOUGHT

Every Spring/3 hours
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.

SOC 333

MARRIAGE AND THE FAMILY

Every Fall/3 hours
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.

SOC 343

JUVENILE DELINQUENCY

Spring, 1986, and alternate years/3 hours
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.

SOC 353

URBAN SOCIOLOGY

Fall, 1987, and alternate years/3 hours
An analysis of the evolution of the city, together with the specific problems encountered in the process. An examination of the role of the church in this process will be considered. Urban renewal and projected plans for the city of the future will also be of concern.

SOC 362

INTRODUCTION TO PROBABILITY AND STATISTICS

See PSY 363 on page 139.

SOC 373

SOCIAL RESEARCH

Every Fall/3 hours
Investigation of an involvement in techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results.

SOC 383

DRUG ABUSE SEMINAR

Every Spring/3 hours
Also HLT 383. Information presented concerns the problems of drug abuse and approaches toward solutions of those problems. Pharmacology and epidemiology of drug use; psychological, legal, social and cultural implications; and principles of program planning.

SOC 384

HUMAN ECOLOGY See BIO 384 on page 162.

SOC 393

SOCIOLOGY OF AGING

Spring, 1987, and alternate years/3 hours
This class will explore the physical, psychological, social, economic, environmental, religious and programmatic aspects of aging. It is intended to provide the student with a broad background regarding the issues surrounding the topic of aging.

SOC 396

DEPARTMENTAL TUTORING

For course description see ACC 396 on page 97.

SOC 399

PRACTICUM

See page 75.

Every semester/1-4 hours

SOC 423

AMERICAN MINORITY PEOPLES

Fall, 1986, and alternate years/3 hours
A study of the various minority groups in the United States and their sociological significance in our national group and culture. The history and present status of American immigration policy are also considered.

SOC 498 SPECIAL TOPICS

Topics of interest to sociologists but not covered in depth in other courses will be considered. The content (topic) will change each time the course is offered so it may be repeated for credit. Examples of topics might include: Women in America, Suicide, Third World Issues, Social Movements, Collective Behavior, Social Stratification, Sociology of Religion, Sociobiology, Sociology of Health & Illness, or Sociology of Mental Illness. *Prerequisites: SOC 213, SOC 373, or approval of instructor.*

SOC 499 INDEPENDENT STUDY See page 74.**TUT 300/ VOLUNTEER TUTORING**

400 For course description see TUT 300/400 on page 98. *Every semester/No credit*

DEGREE REQUIREMENTS - PUBLIC ADMINISTRATION**Requirements for a major in Public Administration**

BUS 343 or PSY 363 Introduction to Probability and Statistics	3 hours
ACC 214 and 233 Principles of Accounting I and II	6 hours
ECO 213 Principles of Economics I	3 hours
ECO 223 Principles of Economics II	3 hours
BUS 373 Principles of Management	3 hours
BUS 453 Organizational Behavior	3 hours
GOV 203 Arizona and Federal Government	3 hours
SOC 353 Urban Sociology	3 hours
SOC 384 Human Ecology	4 hours
CS 133 Introduction to Computer Science	3 hours
BUS 323 Business Finance	3 hours
PAD 430 Financial Management of Public Sector Organizations	3 hours
PAD 421 Administration in Public Organizations	3 hours

PUBLIC ADMINISTRATION**PAD 396 DEPARTMENTAL TUTORING**

For course description see ACC 396 on page 97. *Every semester/2 hours*

PAD 421 ADMINISTRATION IN PUBLIC**ORGANIZATIONS**

Study of decision making in the public sector organization. Course includes a study of decision making, organization, personnel, intergovernmental relations, research methods, output, and ethics. Case studies emphasized. *Fall, 1986, and alternate years/3 hours*
Prerequisite: BUS 373.

PAD 430**FINANCIAL MANAGEMENT OF PUBLIC****SECTOR ORGANIZATIONS**

Acquisition, allocation and management of financial resources for public and other not-for-profit organizations. Emphasis on the budgetary process and financial control systems. *Fall, 1987, and alternate years/3 hours*
Prerequisites: ACC 214, ACC 233, and BUS 323.

TUT 300/ VOLUNTEER TUTORING

400 For course description see TUT 300/400 on page 98. *Every semester/No credit*

DEGREE REQUIREMENTS - CRIMINAL JUSTICE

Requirements for a major in Criminal Justice

CJ 200	Introduction to the Criminal Justice System	3 hours
CJ 201	Issues in Criminal Justice	3 hours
CJ 373	Social Research (SOC 373)	3 hours
CJ 380	Theory of Criminal Justice	3 hours
CJ 400	Internship in Criminal Justice	3 hours
CJ 440	Criminal Justice Management	3 hours
15 hours of electives in criminal justice. 12 must be upper division.		

Requirements for a minor in Criminal Justice

CJ 200	Introduction to the Criminal Justice System	3 hours
CJ 201	Issues in Criminal Justice	3 hours
CJ 380	Theory of Criminal Justice	3 hours
CJ 400	Internship in Criminal Justice	3 hours
CJ 440	Criminal Justice Management	3 hours

Nine hours from the following:

CJ 306	Police Function	3 hours
CJ 308	Adjudication Function	3 hours
CJ 310	Correction Function	3 hours
CJ 461	Substantive Criminal Law	3 hours
CJ 462	Procedural Criminal Law	3 hours
CJ 480	Criminal Justice Education	3 hours
CJ 498	Pro Seminar	1-3 hours
CJ 499	Independent Study	3 hours

CRIMINAL JUSTICE

CJ 200	INTRODUCTION TO THE CRIMINAL JUSTICE SYSTEM	<i>Every Fall/3 hours</i>
--------	--	---------------------------

Overview of the criminal justice system. Roles of law enforcement personnel, the courts, and correctional agencies. Philosophical and theoretical views in historical perspective.

CJ 201	ISSUES IN CRIMINAL JUSTICE	<i>Every Spring/3 hours</i>
--------	-----------------------------------	-----------------------------

Issues relating to criminal justice policies, perspectives, techniques, roles, institutional arrangements, management, uses of research, innovative patterns. *Prerequisite: CJ 200 or approval of instructor.*

CJ 306	THE POLICE FUNCTION	<i>On demand/3 hours</i>
--------	----------------------------	--------------------------

Alternative objectives, strategies, programs, institutional arrangements, roles, perspectives, and interagency relationships of the police. *Prerequisites: CJ 200, CJ 201 or approval of instructor.*

**CJ 308****THE ADJUDICATION
FUNCTION**

Objectives, processes, settings, roles, and perspectives of the courts, prosecution and defense. *Prerequisites:* *Cj 200, Cj 201, or approval of instructor.*

Spring, 1988, and alternate years/3 hours

CJ 310**THE CORRECTIONAL FUNCTION**

Alternative correctional objectives, strategies, programs, institutional arrangements, roles, perspectives and interagency relationships. *Prerequisites:* *Cj 200, Cj 201, or approval of instructor.*

On demand/3 hours

CJ 360**LAW AND SOCIAL CONTROL**

Resolution of social issues through the application of law as an agent of social control. Nature, sanctions, and limits of law. Categories of law and schools of jurisprudence. *Prerequisites:* *Cj 200, Cj 201, or approval of instructor.*

On demand/3 hours

CJ 373**SOCIAL RESEARCH**

Investigation of an involvement in techniques of social research, including hypothesis construction and testing, research design, collection and analysis of data and presentation of research results.

On demand/3 hours

CJ 380**THEORY OF CRIMINAL JUSTICE**

A conceptual examination of the criminal justice system. Intergration of contemporary thought into an operational frame of reference. *Prerequisites:* *Cj 200, Cj 201, and one upper division criminal justice course or approval of instructor.*

On demand/3 hours

CJ 396**DEPARTMENTAL TUTORING**

For course description see ACC 396 on page 97.

Every semester/2 hours

CJ 400**INTERNSHIP IN CRIMINAL JUSTICE**

Assignments in a criminal justice agency designed to further the student's integration of theory with practice. Placements are arranged through consultation with students and agencies. *Prerequisites:* *junior standing and completion of criminal justice required courses; Cj 200, Cj 201, or approval of instructor.*

On demand/3 hours

CJ 440**CRIMINAL JUSTICE MANAGEMENT**

System-wide analysis of organizational structures. Management and administrative policies of criminal justice agencies—law enforcement, courts and corrections. *Prerequisites:* *Cj 200, Cj 201, and one upper division criminal justice course or approval of instructor.*

On demand/3 hours

CJ 461 SUBSTANTIVE CRIMINAL LAW *On demand/3 hours*
Criminal liability. Crimes against persons, property, and society. Governmental sanctions of individual conduct as formulated by legislatures and the courts. *Prerequisites:* *CJ 200, CJ 201, or approval of instructor.*

CJ 462 PROCEDURAL CRIMINAL LAW *Spring, 1998, and alternate years/3 hours*
The criminal process. Constitutional and legal problems associated with criminal procedures. Due process of law. *Prerequisites:* *CJ 200, CJ 201, or approval of instructor.*

CJ 480 CRIMINAL JUSTICE EDUCATION *On demand/3 hours*
Development and philosophy of criminal justice education and training. Problems of curriculum development and evaluation. Examination and evaluation of teaching methodologies and instructional aids. *Prerequisite:* *Approval of instructor.*

CJ 497 SPECIAL TOPICS IN CRIMINAL JUSTICE *On demand/3 hours*
Topics chosen from various fields of criminal justice. *Prerequisites:* *CJ 200, CJ 201, and one upper division criminal justice course or approval of instructor.*

CJ 498 PRO-SEMINAR *On demand/3 hours*
Small group study and research for advanced students. *Prerequisites:* *CJ 200, CJ 201, and one upper division criminal justice course or approval of instructor.*

CJ 499 INDEPENDENT STUDY *On demand/3 hours*
Original study or investigation in the advanced student's field of interest. *Prerequisites:* *CJ 200, CJ 201, and one upper division criminal justice course or approval of instructor.*

TUT 300 VOLUNTEER TUTORING *Every semester/No credit*
400 For course description see **TUT 300/400** on page 98.

DEGREE REQUIREMENTS - PSYCHOLOGY

Requirements for a major in Psychology

PSY 213 General Psychology 3 hours
PSY 253 Personality Development 3 hours
PSY 303 Social Psychology 3 hours
PSY 313 Learning and Cognition 3 hours
PSY 363 Introduction to Probability and Statistics 3 hours
PSY 367 Experimental Psychology 4 hours
PSY 403 Physiological Psychology 3 hours
PSY 433 Abnormal Psychology 3 hours
Upper Division courses in Psychology 9 hours

34 hours

Requirements for a minor in Psychology

PSY 213 General Psychology 3 hours
PSY 253 Personal Development 3 hours
PSY 303 Social Psychology 3 hours
Upper Division electives in Psychology 9 hours

PSYCHOLOGY

PSY 213

GENERAL PSYCHOLOGY

Every semester/3 hours
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.

PSY 250

HUMAN GROWTH AND DEVELOPMENT

Every semester/3 hours
A course in developmental psychology with emphasis on the physical, social, cognitive, personality and moral developments within an individual. The course is designed to provide an understanding of the transitions of life from conception to death. May not be taken with prior credit in Child Psychology. Not available to students with a Psychology major or minor.

PSY 253

PERSONAL DEVELOPMENT

Every semester/3 hours
An analysis of personal behavior and its development in the life of an individual. Topics include motivation, coping with stress, interpersonal relationships, and personal growth and change.

PSY 303

SOCIAL PSYCHOLOGY

Every Spring/3 hours
Also **SOC 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.*

PSY 313

LEARNING AND COGNITION

Every semester/3 hours
The study of theoretical and empirical problems of human learning and cognitive behavior. The nature of learning processes, transfer, memory, information processing, concept attainment, and problem solving will be explored. *Prerequisites: PSY 213.*

PSY 315

THEORIES OF PERSONALITY

Fall, 1986, and alternate years/3 hours
A study of the nature and causal determinants of human behavior, including the definition and scientific measurement of personality. Theories studied will include the psychodynamic, neo-Freudian, trait and factor, cognitive, and behavioral theories. The Christian perspective on the nature of human personality will also be explored. *Prerequisite: PSY 213.*

PSY 323

HISTORY AND SYSTEMS OF PSYCHOLOGY

Spring, 1988, and alternate years on demand/3 hours
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.*

PSY 325

MOTIVATION AND EMOTION

Fall, 1987, and alternate years on demand/3 hours
An investigation of the purposes for human behavior from the perspective of behavioral, cognitive, ethological, psychoanalytic, psychophysical, and other perspectives. Topics covered are lower and higher needs, instincts, emotions, drives, rewards, conflict, stress, anxiety, aggression, achievement motivation, and achieving full potential. *Prerequisite: PSY 213.*

PSY 333 PSYCHOLOGY IN RELIGION See **REL 333** on page 139.

PSY 343 FUNDAMENTALS OF COUNSELING
Every semester and every Summer/3 hours

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.*

PSY 353 CHILD PSYCHOLOGY
Every semester and every Summer/3 hours

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.*

PSY 363 INTRODUCTION TO PROBABILITY AND STATISTICS
Every semester/3 hours

Also **SOC 362**. 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 120 or equivalent.*

PSY 365 INDUSTRIAL PSYCHOLOGY
Spring, 1987, and alternate years/3 hours
The application of social and organizational psychological methods and principles to business and industry. Topics to be covered include human behavior at work, personnel selection and evaluation, motivation and job satisfaction, management philosophies, employee-management relationships, job evaluation, work and equipment design, working conditions, accident and human errors, and consumer psychology. *Prerequisite: PSY 213.*

PSY 367 EXPERIMENTAL PSYCHOLOGY
Every Spring/4 hours
A laboratory course emphasizing both the theoretical and applied aspects of experimental design and research methodology. A variety of experiments will be performed in such areas as learning, motivation, and perception. *Prerequisites: PSY 213 and PSY 363.*

PSY 373 ADOLESCENT PSYCHOLOGY
Every semester/3 hours
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.*

PSY 374 PSYCHOLOGICAL TESTING
On demand/3 hours
An introduction to the nature and use of psychological tests for the evaluation of intelligence, aptitudes, achievement, personality interests, and opinions. Consideration will be given to the reliability and validity of psychological tests and their legitimate uses and abuses. Demonstration of the administration and scoring of the major psychological tests.

PSY 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see **ACC 396** on page 97.

PSY 403 PHYSIOLOGICAL PSYCHOLOGY
Every Fall/3 hours
A course emphasizing the relationship between brain and behavior. Role of genetic, neural, hormonal, and physiological processes in sensation, perception, motivation, and learning will be discussed within the context of recent research. *Prerequisite: BIO 201.*

PSY 420

SENSATION AND PERCEPTION

Theories, issues, research findings and methodology in the study of perception and the related area of sensory functioning. Emphasis is placed on visual and auditory perception. Topics include psychophysics, sensory coding, adaptation, attention, sensory and perceptual judgments, the perception of space, motion, and color. Application of perception to interpersonal relationships. *Prerequisites: PSY 213.*

Spring, 1987, and alternate years on demand/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. *Prerequisite: PSY 213.*

Every Fall/3 hours

**TUT 300/
400**

VOLUNTEER TUTORING

For course description see **TUT 300/400** on page 98.

Every semester/No credit

Humanities

Department Description
Degree Requirements—Art
Art Education
Art History
Art Studio
Design Studio
Degree Requirements—
English
American Literature
English Literature
English Writing
Genre Courses
English Grammar and
Teaching
Journalism
Degree Requirements—
Communications
Degree Requirements—
Modern Language
French
German
Spanish



DEPARTMENT DESCRIPTION

Courses in the humanities aid students 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 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 and writing.

DEGREE REQUIREMENTS - ART

Courses in the art department are designed to involve the student in active participation and to develop artistic skills in critical appreciation, historical under-

standing, 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 Studio Art (B.A. Degree; no minor required)

AH 333, 343, 353, 363 Art History	12 hours
AH 373 Aesthetics	3 hours
AR 203 Drawing I	3 hours
DGN 213 Basic Studio Techniques	2 hours
DGN 243, 253 Two- and Three-Dimensional Design	6 hours
AR 243 Photography I	3 hours
AR 223, 253, 263, 273, 283, or DGN 233	6 hours
AR 303, 323, 343, 353, 363, 373, 383, or DGN 333	3 hours



AR	393 Art Seminar	2 hours
AR	431 Portfolio Competence	2 hours
AR	481 Studio Problems and Techniques	9 hours
DGN	481 Design Problems and Techniques	<u>9 hours</u>
		60 hours

Entrance into the Studio Art average in the prerequisite courses major will require taking the listed. A faculty review (full time courses Drawing I, Two- and art faculty) will determine Three-Dimensional Design and 3 whether the student is suited to hours in a selected concentration this type of educational area. The student must have a "B" alternative.

Requirements for a general major in Art* (B.A. Degree)

AH	333, 343 Art History I, II	6 hours
AH	353 American Art, or	
AH	AH 363 Contemporary Art	3 hours
AH	373 Aesthetics	3 hours
AR	203 Drawing I	3 hours
DGN	213 Basic Studio Techniques	2 hours
DGN	243, 253 Two- and	
	Three-Dimensional Design	6 hours
AR	223, 243, 253, 263, 273, 283, or DGN 233	9 hours
AR	303, 323, 343, 353, 363,	
	373, 383, or DGN 333	6 hours
AR	481 Studio Problems and Techniques or	
	DGN 481 Design Problems and	
	Techniques	<u>4 hours</u>
		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.

AH	333, 343 Art History I, II	6 hours
AR	203 Drawing I	3 hours
DGN	243, 253 Two- and	
	Three-Dimensional Design	6 hours
AR	213, 223, 243, 253, 263,	
	273, 283, or DGN 233	12 hours
AE	303, 423 Art in Elementary and High School	6 hours
AE	323 Art Media and Methods	
	for the Elementary Teacher	3 hours
	Upper Division Art elective	6 hours
AR	481 Studio Problems and Techniques or	
DGN	481 Design Problems and Techniques	<u>4 hours</u>
		46 hours

* Either major requires a minimum of 18 hours Upper Division courses.

Requirements for a minor in Studio Art

AR 203 Drawing I	3 hours
DGN 243 or 253 (depending on concentration area)	
AH 333, 343, 353, 363	3 hours
AR 223, 243, 253, 263, 273, 283, or DGN 233	3 hours
AR 303, 323, 343, 353, 363,	
373, 383, or DGN 333	3 hours
AR 481 or DGN 481	3 hours
	18 hours

Requirements for a teaching minor in Art

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 423 Art in the High School	3 hours
AH 333, 343, 353, 363	3 hours
AR 223, 243, 253, 263, 273, 283, or DGN 233	3 hours
Upper division elective	3 hours
	24 hours

† Students who wish to qualify for K-12 certification must earn 46 hours which includes AE 423 and 303.

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 Fall/3 hours

AE 323**ART MEDIA AND METHODS FOR THE ELEMENTARY TEACHER**

Introduction to the language and structure of art education with an emphasis on practical hands-on experiences suitable for children at various elementary levels. Includes specific knowledge of two- and three-dimensional processes, classroom observation and actual teaching experience.

Every Spring/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, 1987, and alternate years/3 hours

ART HISTORY**AH 112****INTRODUCTION TO ART**

A brief introduction to the act of making quality judgements about art objects and situations. Special emphasis on the meaning of art as it relates to other personal interests of each individual. Actual art projects, art history and appreciation will be explored. No credit for art major or minor.

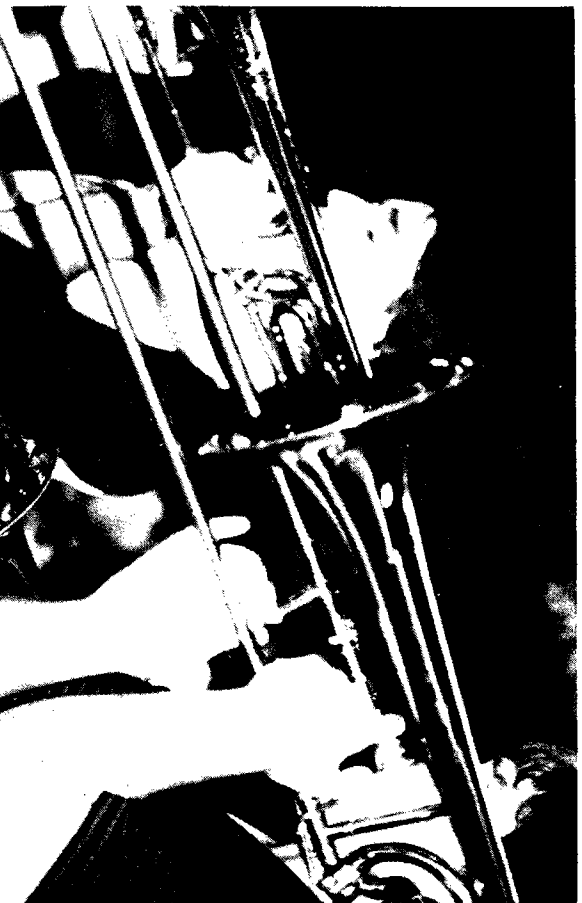
Every semester/3 hours

- AH 333 ART HISTORY I** *Fall, 1986, and alternate years/3 hours*
A survey of ancient Near Eastern, Egyptian, Greek, Roman, and Medieval European art to the Renaissance.
- AH 343 ART HISTORY II** *Spring, 1987, and alternate years/3 hours*
A survey of Occidental Art during the Renaissance, Mannerist, Baroque, Rococo, Neo-classic, Romantic, and Modern epochs.
- AH 353 AMERICAN ART** *Fall, 1987, and alternate years/3 hours*
History of art in the United States from European settlement of the New World to today.
- AH 363 CONTEMPORARY ART** *Spring, 1988, and alternate years/3 hours*
Recent and current trends in art with special consideration of new concepts and experimentation with media and modes of presentation.
- AH 373 AESTHETICS I** *Every Fall/3 hours*
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.
- AH 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see ACC 396 on page 97.
- TUT 300/400 VOLUNTEER TUTORING** *Every semester/No credit*
For course description see TUT 300/400 on page 98.

ART STUDIO

- AR 203 DRAWING I** *Every Fall/3 hours*
Introduction to the basic elements of line, value, texture etc. with emphasis on composition and media usage such as pencils, charcoal, etc.
- AR 223 PRINTMAKING I** *Every Fall/3 hours*
An introduction to basic techniques of printmaking such as etching, relief, silkscreen and photographic processes. Creative ideas will be emphasized as well as the development of basic technical skills.
- AR 243 PHOTOGRAPHY I** *Every semester/3 hours*
An introduction to black and white photography exploring basic techniques in camera operation, film and print processing, composition and presentation. Lecture and darkroom laboratory periods.
- AR 253 JEWELRY I** *Every Spring/3 hours*
An introduction to the basic jewelry processes of sheet fabrication and lost-wax casting. Emphasis will be on developing creative and functional designs as well as developing skill in working with metal.
- AR 263 CERAMICS I** *Every semester/3 hours*
An introduction to the nature of clay and glazes, with an emphasis being placed on the forming techniques of handbuilding and the use of the potter's wheel.
- AR 273 SCULPTURE I** *Every Fall on demand/3 hours*
An introduction to the sculpting processes of carving, modeling, and fabricating, emphasizing volume, movement, and space.
- AR 283 PAINTING I** *Every Spring/3 hours*
Introduction, the preparation and use of materials and methods with an emphasis on color theory and effects of color and harmony.

- AR 303 DRAWING II** *Every Spring/3 hours*
Exploration of recording ideas and concepts through the use of a variety of materials such as pastels and chalks as well as mixed medias. *Prerequisites: AR 203 or approval of instructor.*
- AR 323 PRINTMAKING II** *Every Spring/3 hours*
In depth exploration of printmaking processes with emphasis on developing awareness to contemporary applications. *Prerequisite: AR 223.*
- AR 332 ART WORKSHOP** *On demand/3 hours*
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.
- AR 343 PHOTOGRAPHY II** *Every semester/3 hours*
A course designed to expand the student's knowledge and use of materials and techniques available as tools for creative expression in black and white Photography.
- AR 353 JEWELRY II** *Every Spring/3 hours*
A continuation of the techniques of jewelry making with advanced problems in fabrication and casting. Emphasis will be on creative design and developing an awareness of contemporary trends.
- AR 363 CERAMICS II** *Every semester/3 hours*
Continued studio problems in the process of forming clay. Emphasis is also placed on glaze application and surface decoration. *Prerequisite AR 263.*
- AR 373 SCULPTURE II** **Every Spring on demand/3 hours*
Continued exploration of sculpting processes of casting, welding, and plastics. *Prerequisite AR 273.*
- AR 383 PAINTING II** **On demand/3 hours*
Technique of underpainting, glazing, impasto, direct esal wets, an emphasis on color thinning and experimentation. *Prerequisite: AR 283 or approval of instructor.*
- AR 393 ART SEMINAR** *Every Spring/2 hours*
A discussion oriented class introducing the concept of the professional artist and his dealings with galleries and museums, graduate school, resumes, portfolios, marketing and grants.
- AR 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see ACC 396 on page 97.
- AR 403 LIFE DRAWING** *On demand/3 hours*
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.*
- AR 431 PORTFOLIO COMPETENCE** *Every semester/2 hours*
The student will prepare and present a showing of upper division art in area of concentration along with a slide portfolio and resume.
- AR 481 STUDIO PROBLEMS AND TECHNIQUES** *By arrangement/1, 2, 3, 4 hours*
Advanced studio problems in the medium of the student's choice. May be repeated. *Prerequisite: Approval of instructor only.*
- TUT 300/ VOLUNTEER TUTORING** *Every semester/No credit*
400 For course description see TUT 300/400 on page 98.



DESIGN STUDIO

DGN 213

BASIC STUDIO TECHNIQUES

Every Fall/2 hours

An introduction to shop techniques and how they relate to the various fields of art. Emphasis will be in construction of specific projects relating to other department courses and on the operation of shop equipment.

DGN 233

GRAPHIC DESIGN I

Every Fall/3 hours

An introduction to the basic visual organization of advertising elements and instruction in the use of equipment and tools of the professional designer.

DGN 243

TWO-DIMENSIONAL DESIGN

Every Fall/3 hours

Basic principles of the structural aspects of graphic arts are explored in laboratory and lecture. Also explores the communicative value of visual images.

DGN 253

THREE-DIMENSIONAL DESIGN

Every Spring/3 hours

Explores basic principles of the structural aspects of plastic arts, with emphasis on the analysis of volume and space relationships.

DGN 333

GRAPHIC DESIGN II

Every Spring on demand/3 hours

Further study of visual communications through the use of verbal and visual elements. Emphasis will be on creative problem solving and concept development. Includes preparation of art work for reproduction.

DGN 396

DEPARTMENTAL TUTORING

Every semester/2 hours

For course description see ACC 396 on page 97.

DGN 481

DESIGN PROBLEMS AND TECHNIQUES

By arrangement/1, 2, 3, 4 hours

Advanced design problems in the medium of the student's choice. By approval of instructor only. May be repeated.

TUT 300/

VOLUNTEER TUTORING

Every semester/No credit

400

For course description see TUT 300/400 on page 98.

DEGREE REQUIREMENTS - ENGLISH

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 30 semester hours, 15 of which must be upper division. The English faculty urges English majors to include a foreign language in their programs. Most graduate schools

prefer French or German, but Spanish is undoubtedly more valuable in the job market. The following courses or their equivalents are required for the English literature major.

- EEL 213 English Literature I
- EEL 223 English Literature II
- EEL 363 English Literature: Victorian & Modern
- EAL 313 American Literature I
- EAL 323 American Literature II
- EAL 463 American Literature: Modern
- EMA 423 Shakespeare
- ETL 333 The Short Story **or** ETL 413 The Novel

Courses in upper division writing or grammar, 6 hours chosen from the following:

- EEW 343 Advanced Composition
- EEW 453 Creative Writing
- EEW 483 Seminar in Writing
- EEW 323 Writing for Publication
- ELG 363 Advanced Grammar

English major with emphasis on Writing

The English writing major shall consist of EEW 101 and EEW 102, and 24 hours chosen from the following courses:

- EEW 313 Business and Technical Writing
- EEW 343 Advanced Composition
- EEW 483 Seminar in Writing (may be repeated for a maximum of 6 hours)
- EEW 323 Writing for Publication (may be repeated for a maximum of 6 hours)
- EEW 453 Creative Writing (may be repeated for a maximum of 6 hours)
- ETL 333 The Short Story
- ETL 413 The Novel
- JRN 213, 313 Small Newspaper
- JRN 230 News Writing and Reporting
- JRN 300 Advanced News Writing and Reporting

Recommended electives for this major include:

- AR 243 Photography I, II
- TRE 150 Acting I
- CS 133 Introduction to Computer Science
- AR 203 Drawing I
- DGN 243 Two Dimensional Design

English major with emphasis on Teaching

The English teaching major shall consist of the following courses:

- EBL 213 English Literature I
- EBL 223 English Literature II
- EBL 363 English Literature: Victorian and Modern
- EAL 313, American Literature I
- EAL 323 American Literature II
- EAL 463 American Literature: Modern
- EMA 423 Shakespeare
- ELG 363 Advanced Grammar
- ETL 333 The Short Story, ETL 413 The Novel **or**
- ETL 409 Adolescent Literature

At least one Upper Division course in writing chosen from the following:

- EEW 343 Advanced Composition
- EEW 453 Creative Writing
- EEW 483 Seminar in Writing
- FRW 323 Writing for Publication

Strongly recommended are Students who plan to teach must meet all the requirements of English, SPC 378 Oral the Department of Education Interpretation of Literature and and Psychology for state certification. one of the journalism courses.

General education requirements for English majors

Humanities: English majors may take the foreign language option, which is strongly recommended, or an option other than literature.

Social Sciences: English majors must take six hours of history. History of England is highly recommended.

Requirements for a teaching minor in English

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

EEW 101 Grammar & Composition,	6 hours
EEW 102 Composition and Literature	6 hours
EEL 213, 223 English Literature I, II	6 hours
EAL 313, 323 American Literature I, II	6 hours
Upper Division electives in English	24 hours

Requirements for a minor in English

EEW 101 Grammar & Composition, ✓	6 hours
EEW 102 Composition and Literature ✓	6 hours
EEL 213, 223 English Literature I, II	6 hours
Upper Division electives in English	18 hours

Requirements for a minor in Humanities

From at least four of the following areas a student must complete 18 hours, 6 of them Upper Division.

Literature	Philosophy
Art	Speech/Drama
Music	Language

AMERICAN LITERATURE

EAL 313	AMERICAN LITERATURE I	Every Fall/3 hours
	A study of outstanding authors, their works and the literary movements from the Colonial Age to Romanticism (1850). <i>Prerequisite: Junior standing.</i>	
EAL 323	AMERICAN LITERATURE II	Every Spring/3 hours
	A study of Local Color, Realism and Naturalism, especially in prose and poetry from 1850 to World War I. <i>Prerequisite: Junior standing.</i>	
EAL 396	DEPARTMENTAL TUTORING	Every semester/2 hours
	For course description see ACC 396 on page 97.	

EAL 463 AMERICAN LITERATURE: MODERN

Every Fall/3 hours
A study of the major works of American literature since World War I.
Prerequisite: EEL 223 or Junior standing.

TUT 300/ VOLUNTEER TUTORING

Every semester/No credit
400 For course description see TUT 300/400 on page 98.

ENGLISH LITERATURE

EEL 213

Every Fall/3 hours
ENGLISH LITERATURE I
A study of selected classical backgrounds of English literature., the Old English period and the English Renaissance. *Prerequisites: EEW 101 and EEW 102.*

EEL 223

Every Spring/3 hours
ENGLISH LITERATURE II
Continuation of EEL 213, covering the period from the Restoration through the Romantic period. *Prerequisites: EEW 101 and EEW 102.*

EEL 363

Every Spring/3 hours
ENGLISH LITERATURE: VICTORIAN AND MODERN
A study of the major Victorian poetry and prose and selected works from the modern period. *Prerequisite: EEL 223 or Junior standing.*

EMA 396

Every semester/2 hours
DEPARTMENTAL TUTORING
For course description see ACC 396 on page 97.

EMA 423

Spring, 1987, and alternate years/3 hours
SHAKESPEARE
A study of the major Shakespearean comedies and tragedies and of Shakespeare's development as a dramatist. *Prerequisite: EEL 213 or Junior standing.*

TUT 300/

Every semester/No credit
400 **VOLUNTEER TUTORING**
For course description see TUT 300/400 on page 98.

ENGLISH WRITING

EEW 100

Every semester/3 hours
BASIC ENGLISH
A course for students whose ACT scores or performance on the Writing Proficiency Exam indicates their need for a review of basic English.

EEW 101

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

EEW 102

Every semester and every Summer/3 hours
COMPOSITION AND LITERATURE
The work involves a variety of expository techniques based on the students' readings and a research paper. *Prerequisite: EEW 101.*

EHW 101

Every Fall/3 hours
HONORS GRAMMAR AND COMPOSITION
A course for students who are competent in writing, emphasizing elements of style and clarity which will produce superior writing skills. The course is limited to students with an English ACT score of 23, or to those who graduate in the top 10% of their high school class, and who produce a satisfactory written sample of composition skills.

EHW 102 HONORS COMPOSITION AND LITERATURE

A course for those who have demonstrated good writing skills; students analyze selections from literature and write about the works, using a variety of expository methods. Emphasis is placed upon further development of writing skills. A research paper is written. *Prerequisites: EHW 101 or EEW 101 and approval of instructor.*

Every Spring/3 hours

EEW 313 BUSINESS AND TECHNICAL WRITING

A course designed to present the best practices in writing business communications and technical reports.

Every semester/3 hours

EEW 323 WRITING FOR PUBLICATION *Spring, 1988, and alternate years/3 hours*
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.

EEW 343 ADVANCED**COMPOSITION**

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

Spring, 1987, and alternate years/3 hours

EEW 396 DEPARTMENTAL TUTORING

For course description see ACC 396 on page 97.

Every semester/2 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, 1986, 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.

Fall, 1987, and alternate years/3 hours

TUT 300/**VOLUNTEER TUTORING**

For course description see TUT 300/400 on page 98.

Every semester/No credit

GENRE COURSES

ETL 333 THE SHORT STORY

A study of the short story, its development, the different types and an analysis of technique. *Prerequisite: Junior standing.*

Fall, 1986, and alternate years/3 hours

ETL 409**ADOLESCENT LITERATURE**

A course for students who wish to read and examine the literature being written for adolescents. Both the traditional and the more modern "realistic" novels for adolescents will be studied. Various teaching methods for this genre will also be emphasized.

On demand/3 hours

ETL 413**THE NOVEL**

A study in the development of the novel which includes reading and discussion of novels from different areas of the world. Novels not written in English will be studied in English translations. *Prerequisite: Junior standing.*

Fall, 1987, and alternate years/3 hours

ETL 473**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

ENGLISH GRAMMAR AND TEACHING

EET 473 THE TEACHING OF ENGLISH

On demand, by reading and conference/3 hours
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.

ELG 363 ADVANCED GRAMMAR *Spring, 1987, and alternate years/3 hours*
A study of syntax, form, and mechanics of English grammar in the light of its historical background.

JOURNALISM

JRN 213 SMALL NEWSPAPER *Every Fall/3 hours*
A course that presents the principles of journalism as they apply to the small newspaper. Laboratory experience provided by the college paper. (3 hours maximum.)

JRN 230 NEWS WRITING AND REPORTING *Every Fall/3 hours*
A course designed for students wishing to learn the basic skills of news writing and reporting.

JRN 300 ADVANCED NEWS WRITING AND REPORTING *Every Spring/3 hours*
A course designed for students who have completed JRN 230 or its equivalent. Students will have the opportunity to expand their news writing and reporting skills and to learn the basics of editing and layout. *Prerequisite: JRN 230 or approval of instructor.*

JRN 313 SMALL NEWSPAPER *Every Spring/3 hours*
Continuation of JRN 213. *Prerequisite: JRN 230.* (6 hours maximum).

DEGREE REQUIREMENTS - COMMUNICATIONS

The communications major offers a unique interdisciplinary field of study for students. Course work comes from the areas of Art, English, Journalism, and Speech. Although these courses are intended to prepare the student for professional work in the field of broadcasting, writing, public relations and other related fields, students should be advised that some employment opportunities will require a master's degree. The degree is broadly based in order to provide a wide variety of experiences.

Requirements for a major in Communications

SPC 113 Fundamentals of Speech	3 hours
SPC 398 Communication and Mass Media	3 hours
JRN 230 News Writing and Reporting	3 hours
JRN 213 The Small Newspaper	3 hours
AR 243 Photography I	3 hours
DGN233 Graphic Design I	3 hours
FEW 313 Business and Technical Writing	3 hours
FEW 343 Advanced Composition	3 hours

(Continued)

An additional 12 hours chosen from the following courses:

ELG 363 Advanced Grammar	3 hours
EEW 453 Creative Writing	3 hours
EEW 483 Seminar in Writing	3 hours
SPC 292 Group Discussion	3 hours
SPC 311 Advanced Public Speaking	3 hours
3-6 hours of Practicum in Journalism, Radio or Television broadcasting, or public relations.	

36 hours

Recommended minors include Business, Theatre, or English.

The student should be proficient in typing or word processing.

Requirements for a minor in Communications

Group 1: English Writing

EEW 313 Business and Technical Writing	
EEW 323 Writing for Publication	
EEW 343 Advanced Composition	
EEW 453 Creative Writing	
EEW 483 Seminar in Writing	
JRN 213 Small Newspaper	
JRN 230 News Writing and Reporting	

6-12 hours

Group II: Speech (From Performing Arts Dept.)

SPC 318 Voice and Diction	
SPC 398 Communications and the Media	6-12 hours
SPC 311 Advanced Public Speaking	
SPC 378 Oral Interpretation of Literature	

18 hours

DEGREE REQUIREMENTS - MODERN LANGUAGE

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.

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 the 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 Spanish Composition through Literature	3 hours
SPA 413 Spanish Literature	3 hours
	20 hours

Students who wish to expand the Spanish minor into a major may complete such a major by transferring approved upper division courses from a regionally accredited college or university and/or through independent study. All such programs must be approved, in advance, by the major professor, the department chairperson and the Academic Dean.

Minors in French and German

By special arrangement with the appropriate professor and with the approval of the department chairman, a student may obtain a minor in French or German. Such a minor would require a minimum of eighteen semester hours, at least six being Upper Division obtained through independent study or transferred from another accredited college or university.

FRENCH

FR 114	ELEMENTARY FRENCH	<i>Fall on demand/4 hours</i>
	A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.	
FR 124	ELEMENTARY FRENCH	<i>Spring on demand/4 hours</i>
	Continuation of FR 114 . <i>Prerequisite: FR 114 or equivalent.</i>	

FR 213	INTERMEDIATE FRENCH	<i>Fall on demand/3 hours</i>
	Review, composition, conversation, and extensive reading. <i>Prerequisite: FR 124.*</i>	

FR 223	INTERMEDIATE FRENCH	<i>Spring, on demand/3 hours</i>
	Continuation of FR 213 .*	

FR 396	DEPARTMENTAL TUTORING	<i>Every semester/2 hours</i>
	For course description see ACC 396 on page 97.	

TUT 300/	VOLUNTEER TUTORING	<i>Every semester/No credit</i>
400	For course description see TUT 300/400 on page 98.	

GERMAN

- GER 114 ELEMENTARY GERMAN** *Fall on demand/4 hours*
A program of study using a text-workbook, practice tapes, computer practice, and classroom experience to develop the fundamentals of hearing, speaking, reading, and writing.
- GER 124 ELEMENTARY GERMAN** *Spring on demand/4 hours*
Continuation of GER 114. *Prerequisite:* GER 114 or equivalent.
- GER 213 INTERMEDIATE GERMAN** *Fall on demand/3 hours*
Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. *Prerequisite:* GER 124.*
- GER 223 INTERMEDIATE GERMAN** *Spring on demand/3 hours*
Continuation of GER 213.*
- GER 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see ACC 396 on page 97.
- TUT 300/400 VOLUNTEER TUTORING** *Every semester/No credit*
For course description see TUT 300/400 on page 98.

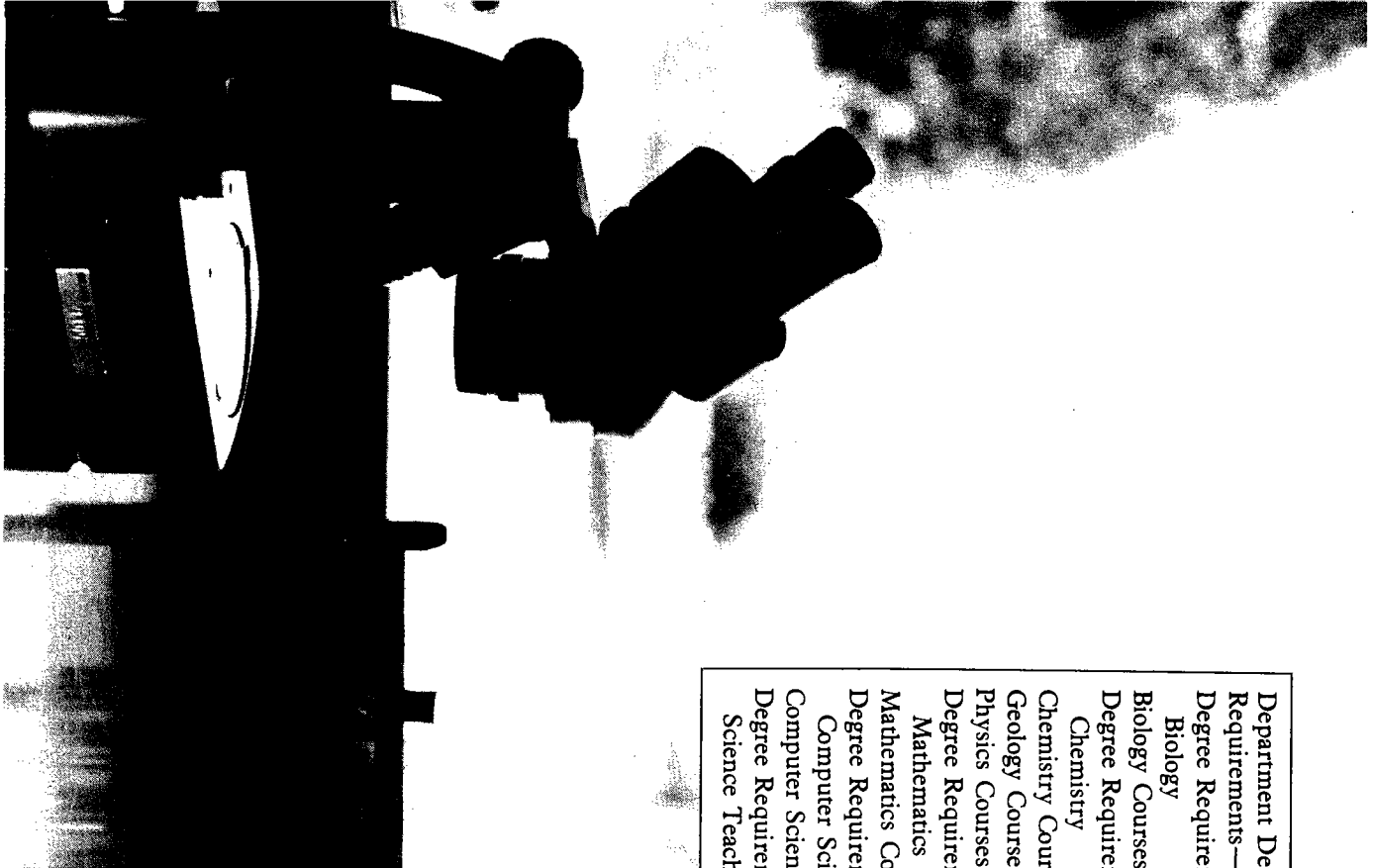
SPANISH

- SPA 114 ELEMENTARY SPANISH** *Every Fall/4 hours*
A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with cultural and historical readings and lessons.
- SPA 124 ELEMENTARY SPANISH** *Every Spring/4 hours*
Continuation of SPA 114. *Prerequisite:* SPA 114 or equivalent.
- SPA 213 INTERMEDIATE SPANISH** *Every Fall/3 hours*
Grammar review, conversation, composition, and the reading of suitable texts. *Prerequisite:* SPA 124.*
- SPA 223 INTERMEDIATE SPANISH** *Every Spring/3 hours*
Continuation of SPA 213.*
- SPA 343 SPANISH COMPOSITION THROUGH LITERATURE** *Every Fall/3 hours*
A course designed to give the student practice in writing in Spanish about Spanish literature and current issues.
- SPA 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see ACC 396 on page 97.
- SPA 413 SPANISH LITERATURE** *Every Spring/3 hours*
Designed to expand the students' knowledge of Spanish literature and civilization and to advance their reading competence. Emphasis on oral self-expression.
- SPA 483 ADVANCED SPANISH CONVERSATION** *Every Spring/3 hours*
An intensive conversation course with strong emphasis on correct usage and the nuanced related to Spanish grammar.
- TUT 300/400 VOLUNTEER TUTORING** *Every semester*
For course description see TUT 300/400 on page 98.

*Upon recommendation of the instructor, a student may enroll in intermediate language courses one 4-hour course in which case special projects will be required.

Natural Sciences and Mathematics

Department Description
Requirements—Premedical
Degree Requirements—
Biology
Biology Courses
Degree Requirements—
Chemistry
Chemistry Courses
Geology Courses
Physics Courses
Degree Requirements—
Mathematics
Mathematics Courses
Degree Requirements—
Computer Science
Computer Science Courses
Degree Requirements—
Science Teaching



DEPARTMENT DESCRIPTION

The Department of Natural Sciences and Mathematics, as part of the liberal arts foundation of Grand Canyon College, provides 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.

The department also provides courses for students who specialize in the fields of biology, chemistry, computer science, and mathematics. It prepares students for graduate study, medical or other professional training, industrial employment, or teaching.

Through close association with the faculty, students not only acquire academic knowledge and technical skills but also learn to appreciate the social and economic contributions of science to society. The necessity of academic excellence, spiritual maturity, and social responsibility is stressed in all areas of study.

The department alerts students to career opportunities in each of

its disciplines. In addition to pre-graduate or pre-professional studies, students may complete the basic science courses required for careers in technical fields such as medical technology, physical therapy, or pharmacy.

Departmental Seminar

All biology and chemistry majors must register for one semester of SCI 100: Senior Seminar and one semester of BIO 401 or CHE 401: Senior Seminar. SCI 100—which requires only attendance at the seminars—may be taken in either the junior or senior year. BIO 401 or CHE 401—which requires the presentation of at least one scholarly seminar—is taken during the senior year.

Competency Examination

All biology and chemistry majors must take an oral comprehensive examination during the senior year. This examination reviews fundamental principles learned in the major field and supporting fields.

DEGREE REQUIREMENTS - PREMEDICAL

Requirements for Premedicine, Predentistry, Preveterinary Medicine, or Pharmacy

Students who plan to apply for admission to medical, dental, veterinary medicine, or pharmacy

schools may major in any discipline. However, the following courses are generally required:

BIO 181, 182 General Biology	8 hours
CHE 114, 115 General Chemistry	8 hours
CHE 324, 325 Organic Chemistry	8 hours

PHY 114, 115 **or** PHY 111, 112 Physics 8 hours
 EHW 101, 102 **or** EEW 101, 102 Grammar, Composition, and Literature 6 hours

Because other courses may be required by particular schools, students are encouraged to determine these requirements early in their undergraduate careers. A premedical advisor (either Dr. Larry Olson or Dr. Jim Witherspoon) should be consulted for course scheduling. A broad liberal arts background is important in the health sciences including courses in psychology, sociology, and the humanities. In addition, electives from the following list should be considered:

BIO 324, 325 Genetics and Genetics Laboratory
 BIO 205 Microbiology
 BIO 364 Vertebrate Physiology
 BIO 373 Vertebrate Anatomy
 BIO 434 Embryology
 CHE 314 Analytical Chemistry
 CHE 351 Biochemistry
 CHE 424 Physical Chemistry I
 CHE 425 Physical Chemistry II
 MAT 270 Analytical Geometry and Calculus I
 MAT 271 Analytical Geometry and Calculus II

Students who plan to be paid, in a hospital or clinic. The physicians should consider part-time work, either voluntary or these positions.

SCI 100 DEPARTMENTAL SEMINAR *Every Fall and Spring/No credit*
 Registration and attendance are required for the departmental seminars. All biology and chemistry majors should register for **SCI 100** during one of their last four semesters. This is a non-credit course. Those presenting a senior seminar should register for **BIO 401** on page 162 or **CHE 401** on page 164.

DEGREE REQUIREMENTS - BIOLOGY

Requirements for a major in Biology

BIO 181, 182 Biology I, II 8 hours
 BIO 324, 325 Genetics and Genetics Lab 4 hours
 BIO 364 Vertebrate Physiology 4 hours
 BIO 381 Ecology 4 hours
 BIO 401 Senior Seminar 1 hour
 Electives in Biology 12 hours
 CHE 114, 115 General Chemistry I, II 8 hours
 CHE 324, 325 Organic Chemistry I, II 8 hours
 PHY 111, 112 **or** 114, 115 Physics I, II 8 hours
 SPC 113 Fundamentals of Speech 3 hours

Recommended for a major in Biology

CHE 314 Analytical Chemistry	5 hours
CHE 351 Biochemistry	4 hours
BIO 205 Microbiology	4 hours
MAT 270, 271 Analytical Geometry and Calculus I, II	8 hours
CS 133 Introduction to Computer Science	3 hours
Elective in Probability and Statistics	3 hours

Requirements for a major in Biology with Environmental Emphasis

BIO 181, 182 General Biology I, II	8 hours
BIO 290 Field Biology	4 hours
BIO 324, 325 Genetics and Genetics Lab	4 hours
BIO 364 Vertebrate Physiology	4 hours
BIO 381 Ecology	4 hours
Two of the following:	8 hours

BIO 350 Invertebrate Zoology
 BIO 374 Aquatic Ecology
 BIO 384 Human Ecology

BIO 401 Senior Seminar	1 hour
CHE 114, 115 General Chemistry I, II	8 hours
CHE 324, 325 Organic Chemistry I, II	8 hours
PHY 111, 112 or 114, 115 Physics I, II	8 hours
SPC 113 Fundamentals of Speech	3 hours

Requirements for a major in Biology for Secondary Teachers

BIO 181, 182 General Biology I, II	8 hours
BIO 324, 325 Genetics and Genetics Lab	4 hours
BIO 201 Human Anatomy and Physiology	4 hours
One of the following:	4 hours

BIO 290 Field Biology
 BIO 381 Ecology

BIO 401 Senior Seminar	1 hour
Electives in Biology	12 hours

CHE 101, 102 Introduction to Chemistry
 (unless Chemistry minor) or CHE 114,
 115 General Chemistry I, II (required
 for Chemistry minors)

PHY 111 or 112 Intermediate Physics I, II	8 hours
Certification in Secondary Education	4 hours
Minor in Chemistry, Psychology, or other	36 hours

subject

12-18 hours

Requirements for a minor in Biology*

BIO 181, 182 General Biology I, II	8 hours
Electives in Biology (Upper Division courses)	10 hours

*Students desiring teaching certification must take at least 24 hours for a minor.

BIOLOGY

The biology course offerings provide an 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 science, for careers as medical assistants, laboratory technicians, or other health science vocations.

BIO 100**HUMAN BIOLOGY***Every semester/4 hours*

A complete overview of the science of biology from a human perspective. Topics include cells, energetics, ecology, inheritance, evolution, embryology, anatomy and physiology. 3 hrs lecture, 3 hrs lab. This course does not apply toward the Biology major. No prerequisite.

BIO 181**GENERAL BIOLOGY I***Every Fall/4 hours*

A comprehensive introduction to Biology. The first semester will cover cellular biology, genetics, taxonomy and a survey of the plant kingdom. 3 hrs lecture, 3 hrs lab. No prerequisite.

BIO 182**GENERAL BIOLOGY II***Every Spring/4 hours*

Continuation of **BIO 181** with emphasis on reproduction, development, population dynamics, ecology, evolution, and animal anatomy and physiology. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 181 or permission of instructor.*

BIO 201**HUMAN ANATOMY AND PHYSIOLOGY I***Every Fall/4 hours*

A study of the structure and function of the following human systems: nervous, endocrine, reproductive, and digestive. 3 hrs lecture, 3 hrs lab. No credit for biology majors (except those in secondary education and physical therapy). They take BIO 373 and BIO 364 instead.

BIO 202**HUMAN ANATOMY AND PHYSIOLOGY II***Every Spring/4 hours*

A study of the structure and function of the following human systems: skeletal, muscular, cardiovascular, respiratory and urinary. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 201 or permission of instructor.* No credit for biology majors (except those in secondary education and physical therapy). They take BIO 373 and BIO 364 instead.

BIO 205**MICROBIOLOGY***Every semester/4 hours*

An introduction to the principles and applications of microbiology, with a study of the general characteristics of micro-organisms and their relationship to man. Laboratory exercises include techniques of identification and handling of micro-organisms. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 181, BIO 182 or permission of instructor.*

BIO 290**FIELD BIOLOGY**

A study of the basic field relationships of plants and animals. This course includes the basic concepts of plant and animal science and basic ecology. The student will learn the methods of field study, observation, classification, identification, collection, and preservation. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 181, 182.*

Fall, 1986, and alternate years/4 hours

BIO 324**GENETICS**

A study of the principles of heredity including molecular aspects, basic Mendelian genetics, and population genetics. 3 hrs lecture. *Prerequisites: BIO 181, 182 or permission of instructor.*

Every Spring/3 hours

BIO 325**GENETICS LABORATORY**

Laboratory experiments in genetics utilizing bacteria, fungi, and *Drosophila melanogaster*. Current matriculation in **BIO 324**. 3 hrs lab.

Every Spring/1 hour

BIO 350**INVERTEBRATE ZOOLOGY**

A systematic overview of the invertebrates with emphasis on the free-living invertebrates. Morphology, biology, phylogeny, and selected topics in embryology and physiology will be studied for all animal phyla from the protozoa through the invertebrate chordates. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 181, 182.*

Every Fall/4 hours

BIO 364**VERTEBRATE PHYSIOLOGY**

A study of the functions of cells, organs, and systems of vertebrates, with the emphasis on humans. 3 hrs lecture, 3 hrs lab. *Prerequisite: BIO 181, 182.*

Every Spring/4 hours

BIO 373**VERTEBRATE ANATOMY**

A study of the structure of vertebrates from fish through mammals, with the emphasis on mammals. The laboratory includes a dissection of human cadavers. 2 hrs lecture, 6 hrs lab. *Prerequisite: BIO 181, 182.*

Every Fall/4 hours

BIO 374**AQUATIC ECOLOGY**

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 181, 182.*

Spring, 1987, and alternate years/4 hours

BIO 381**ECOLOGY**

A study of theoretical and applied ecology. Adaptations of organisms to their physical and biological environments, including predation, competition, and life history patterns. Other topics include ecological genetics and evolution, and the ecology of populations, communities and ecosystems. *Prerequisites: BIO 181, 182.*

Every Spring/4 hours

BIO 384**HUMAN ECOLOGY**

Also **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.

Fall, 1987, and alternate years/4 hours

BIO 396**DEPARTMENTAL TUTORING**

For course description see **ACC 396** on page 97.

Every semester/2 hours

BIO 399**PRACTICUM**

See page 75.

BIO 401**SENIOR SEMINAR**

All graduates are required to prepare and present a scholarly seminar before the science faculty and students. Students should register for this course during the semester in which they plan to give their senior seminar.

Every semester/1 hour

BIO 424**PARASITOLOGY**

Spring, 1988, and alternate years/4 hours
The morphology, life cycles, epidemiology, pathology, diagnosis and treatment of parasites or parasitic diseases. For illustrations of parasitic types and principles, an emphasis is placed upon those species with medical or veterinary importance. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182 or permission of instructor.*

BIO 434**EMBRYOLOGY**

Fall, 1986, and alternate years/4 hours
A comprehensive survey of the principles of development with emphasis on the human. Laboratory study will include the frog, chick and pig embryos. 3 hrs lecture, 3 hrs lab. *Prerequisites: BIO 181, 182 or permission of instructor.*

BIO 473**ADVANCED TOPICS IN BIOLOGY**

Every Fall/1-4 hours
Each year appropriate topics will be offered at an advanced level. May be repeated for credit. Credit will range from one to four credits depending on the topic. *Prerequisite: Permission of instructor.*

BIO 498**RESEARCH IN BIOLOGY**

Every semester/1-3 hours
A detailed study of one or more biological problems. May be repeated for up to 9 hours of credit, 3 of which may count toward electives in biology. *Prerequisite: Consultation with and permission of instructor.*

BIO 499**INDEPENDENT STUDY**

See page 74. May be repeated for credit.

Every semester/1-4 hours

TUT 300/**VOLUNTEER TUTORING**

400 For course description see TUT 300/400 on page 98.

Every semester/No credit

DEGREE REQUIREMENTS - CHEMISTRY

Requirements for a major in Chemistry (B.S. Degree)

CHE 114, 115 General Chemistry I,II	8 hours
CHE 324, 325 Organic Chemistry I, II	8 hours
CHE 314 Analytical Chemistry	5 hours
CHE 351 Biochemistry	4 hours
CHE 401 Senior Seminar	1 hour
CHE 424, 425 Physical Chemistry I, II	8 hours
MAT 270, 271 Calculus I, II	8 hours
PHY 114, 115 Physics I, II	8 hours

Requirements for a minor in Chemistry*

CHE 114, 115 General Chemistry I, II	8 hours
CHE 324, 325 Organic Chemistry I, II	8 hours
Elective in Chemistry	4 hours

* Students desiring teaching certification must take at least 24 hours for a minor.

CHEMISTRY

CHE 101**INTRODUCTION TO CHEMISTRY**

Every Fall/4 hours

An introduction to the principles of chemistry designed for students without a strong background in chemistry. Topics covered include a survey of the chemical and physical properties of elements and compounds, chemical reactions, chemical energetics, acids and bases, and chemical bonding. 3 hrs lecture, 3 hrs lab

CHE 102 INTRODUCTION TO ORGANIC AND BIOCHEMISTRY*Every Spring/4 hours*

Continuation of CHE 101. Survey of the properties and reactions of organic compounds, with emphasis on the chemical nature of biological processes. Topics covered include identification and reactions of organic compounds, protein structure and function, carbohydrates and lipids, and nucleic acids, and the biological production and use of energy. 3 hrs lecture, 3 hrs lab. *Prerequisite: CHE 101.*

CHE 114**GENERAL CHEMISTRY I***Every Fall/4 hours*

An exploration of the principles of modern chemistry. Topics covered include the chemical and physical properties of elements and compounds, reaction stoichiometry, equilibria, and energetics, atomic and molecular structure. 3 hrs lecture, 3 hrs lab. *Prerequisite: A mathematics competency test is required prior to registration in this course.*

CHE 115**GENERAL CHEMISTRY II***Every Spring/4 hours*

Continuation of CHE 114. Topics include thermodynamics, descriptive chemistry of the elements, electrochemistry, nuclear chemistry, and kinetics. 3 hrs lecture, 3 hrs lab. *Prerequisite: CHE 114.*

CHE 314**ANALYTICAL CHEMISTRY***Every Fall/5 hours*

Principles of quantitative and instrumental analysis. Topics include titrimetric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. 3 hrs lecture, 6 hrs lab. *Prerequisite: CHE 115.*

CHE 324**ORGANIC CHEMISTRY I***Every Fall/4 hours*

Systematic study of the chemistry of carbon compounds. Structure, synthesis, reactions, and analysis of aliphatic and aromatic compounds are covered. 3 hrs lecture, 3 hrs lab. *Prerequisite: CHE 115.*

CHE 325**ORGANIC CHEMISTRY II***Every Spring/4 hours*

Continuation of CHE 324. Analysis and reactions of organic functional groups, and the relationship of structure to reaction mechanisms are covered. 3 hrs lecture, 3 hrs lab. *Prerequisite: CHE 324.*

CHE 351**BIOCHEMISTRY***Every Spring/4 hours*

Study of the chemical basis of biological processes. Topics covered include protein structure and function, carbohydrate and lipid chemistry, nucleic acids and genetic function, biological energy production, and photosynthesis. 3 hrs lecture, 4 hrs lab. *Prerequisite: CHE 324.*

CHE 396**DEPARTMENTAL TUTORING***Every semester/2 hours*

For course description see ACC 396 on page 97.

CHE 399**PRACTICUM***Every semester/1-4 hours*

See page 75. May be repeated for credit.

CHE 401**SENIOR SEMINAR***Every semester/1 hour*

All graduates in Chemistry are required to prepare and present a scholarly seminar before the science faculty and students. Students should register for this course during the semester in which they plan to give their senior seminar.

CHE 424**PHYSICAL CHEMISTRY I***Every Fall/4 hours*

A study of the physical and chemical behavior of gases, liquids, solids, and solutions. Treatment includes thermodynamics, electrochemistry, and the kinetic molecular theory of ideal and non-ideal gases. 3 hrs lecture, 3 hrs lab. *Prerequisite: CHE 115 and MAT 271*

CHE 425 PHYSICAL CHEMISTRY II

Every Spring/4 hours
Continuation of **CHE 424**. The development of modern atomic theory is studied, with emphasis on quantum theory, ligand fields, and molecular spectroscopy. 3 hrs lecture, 3 hrs lab. *Prerequisite:* CHE 424.

CHE 498 RESEARCH IN CHEMISTRY

Every semester/1-3 hours
A detailed study of one or more chemical problems. May be repeated for up to 9 hours of credit. *Prerequisite:* Consultation with and permission of the instructor.

CHE 499 INDEPENDENT STUDY

See page 74. May be repeated for credit.

Every semester/1-4 hours

TUT 300/400 VOLUNTEER TUTORING

Every semester/No credit
For course description see **TUT 300/400** on page 98.

GEOLOGY

EVS 114 GENERAL GEOLOGY

Every Spring/4 hours
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 is stressed. Field and laboratory experiences.

PHYSICS

PHY 106 ASTRONOMY

Every Fall/3 hours
A study of the principles and history of astronomy, the cosmos, the solar system, and celestial phenomena. Appropriate as an elective for the nonscientific student; designed to develop an appreciation and understanding of the natural laws of the universe. Field experiences are included. Will count as a laboratory science for general studies.

PHY 111 INTERMEDIATE PHYSICS I

Fall, 1987, and alternate years/4 hours
Survey of physical principles and concepts, using mathematical descriptions based on algebra and trigonometry. Topics covered include force and motion, physical properties of materials, and thermodynamics. 3 hrs lecture, 3 hrs lab. *Prerequisite:* MAT 120 or equivalent.

PHY 112 INTERMEDIATE PHYSICS II

Spring, 1988, and alternate years/4 hours
Continuation of **PHY 111**. Topics covered include wave motion, electrostatics, optics, and magnetism. 3 hrs lecture, 3 hrs lab. *Prerequisite:* PHY 111.

PHY 114 GENERAL PHYSICS I

Fall, 1986, and alternate years/4 hours
Rigorous treatment of physical principles and concepts using mathematical descriptions based on calculus. Topics covered include mechanics, thermodynamics, and wave motion. 3 hrs lecture, 3 hrs lab. *Prerequisite:* MAT 271.

PHY 115 GENERAL PHYSICS II

Spring, 1987, and alternate years/4 hours
Continuation of **PHY 114**. Topics covered include electromagnetism, optics, and quantum theory. 3 hrs lecture, 3 hrs lab. *Prerequisite:* PHY 114.

DEGREE REQUIREMENTS - MATHEMATICS

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

MAT 270, 271, 272: Calculus I, II, and III	12 hours
Mathematics electives from 213 or Upper Division	15 hours
MAT 363 Probability and Statistics	3 hours
CS 203 Beginning Structured Programming	3 hours
Computer Science Elective	3 hours
PHY 114, 115 General Physics	8 hours

Requirements for a minor in Mathematics*

MAT 270, 271	8 hours
Electives from MAT 213, 272, or Computer Science	6 hours
Upper Division Electives in Mathematics	4 hours

* Students desiring teaching certification must take at least 24 hours for a minor.

MATHEMATICS

Students who have completed apply for advanced placement advanced or accelerated courses in with regard to certain mathematics in high school may mathematics courses.

MAT 095 ELEMENTARY ALGEBRA

Basic concepts of Algebra for students with inadequate preparation in mathematics. Does not satisfy the general education requirement in mathematics or apply to graduation requirements.

Every semester/3 hours

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

MAT 120 INTERMEDIATE ALGEBRA

Prerequisite: Placement counseling and one year of high school algebra.

Every semester/3 hours

MAT 121 COLLEGE ALGEBRA AND TRIGONOMETRY

Prerequisite: Placement counseling and two years of high school algebra, or MAT 120.

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.

Spring, 1987, and alternate years/3 hours

MAT 270

ANALYTIC GEOMETRY AND CALCULUS I
A study of concepts of limits, differentiation and integration of algebraic and elementary functions. *Prerequisite: MAT 120, 121 or the high school*

Every Fall/4 hours

annual/1st

MAT 271 ANALYTIC GEOMETRY AND CALCULUS II *Every Spring/4 hours*
A continuation of MAT 270, covering the techniques of integration, infinite series, and solid analytic geometry.

MAT 272 ANALYTIC GEOMETRY AND CALCULUS III *Every Fall/4 hours*
A study of partial differentiation and multiple integration with an introduction of vector analysis and differential equations.

MAT 313 SET THEORY AND SYMBOLIC LOGIC *Every semester/3 hours*
A supervised, self-paced course in set theory and symbolic logic. Topics include sets, logic, deductive reasoning, relations and functions, groups, and rings and fields. Credit/non-credit.

MAT 333 REAL ANALYSIS I *Fall, 1986, and alternate years/3 hours*
Sets, functions, the real numbers, topological ideas, sequences, limits, continuity, and differentiation. *Prerequisite: MAT 272.*

MAT 334 REAL ANALYSIS II *Spring, 1987, and alternate years/3 hours*
Integration, series, uniform convergence and selected additional topics in analysis. *Prerequisite: MAT 333.*

MAT 363 PROBABILITY AND STATISTICS FOR MATHEMATICS AND SCIENCE *Spring, 1987, and alternate years/3 hours*
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 271 or permission of instructor.*

MAT 373 DIFFERENTIAL EQUATIONS *Fall, 1986, and alternate years/3 hours*
A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. *Prerequisite: MAT 272.*

MAT 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see ACC 396 on page 97.

MAT 413 LINEAR ALGEBRA *Spring, 1988, and alternate years/3 hours*
An introductory study of finite dimensional vector spaces, linear transformations, and matrices associated with them. *Prerequisite: MAT 271 or approval of instructor.*

MAT 423 ABSTRACT ALGEBRA *Fall, 1987, and alternate years/3 hours*
An introduction to algebraic structures with particular emphasis on group theory. *Prerequisite: MAT 272 or approval of instructor.*

MAT 473 ADVANCED TOPICS IN MATHEMATICS *On demand*
Upper division topics in mathematics will be offered according to student needs. May be repeated for credit. *Prerequisites: Junior or Senior standing and permission of the instructor.*

MAT 498 RESEARCH IN MATHEMATICS *Every semester/1-3 hours*
A detailed study of one or more problems in mathematics. May be repeated for up to 9 hours of credit, 3 of which may count toward electives in mathematics. *Prerequisite: Consultation with and permission of instructor.*

MAT 499 INDEPENDENT STUDY See page 74. *Every semester/1-4 hours*

TUT 300/ VOLUNTEER TUTORING *Every semester/No credit*
400 For course description see TUT 300/400 on page 98.

DEGREE REQUIREMENTS - COMPUTER SCIENCE

Requirements for a major in Computer Science

CS 133, 203, 213, 301, 303, 310, 413, 420, 430	27 hours
Computer Science Electives (6 hours Upper Division)	9 hours
MAT 270, 271 Calculus I and II	8 hours
MAT 313 Set Theory and Symbolic Logic	3 hours
MAT 363 Probability and Statistics	3 hours
CS 480 Readings from the Literature	3 hours
Elective in Public Speaking	3 hours

Requirements for a major in Computer Science for Secondary Teachers

CS 133 Introduction to Computer Science	3 hours
CS 203 Beginning Structured Programming	3 hours
CS 213 Intermediate Structured Programming	3 hours
CS 356 Programming for Teachers	3 hours
EDU 355 Using Computers in the Classroom	3 hours
CS 333 Computer Curriculum Management	3 hours
Electives in Computer Science	12 hours
Certification in Secondary Education	36 hours
A Teaching Minor	24 hours

Requirements for a minor in Computer Science*

CS 203 Beginning Structured Programming	3 hours
CS 213 Intermediate Structured Programming	3 hours
Electives in Computer Science (6 hours Upper Division)	12 hours

* Students desiring teaching certification must take at least 24 hours for a minor.

COMPUTER SCIENCE

CS 133	INTRODUCTION TO COMPUTER SCIENCE <i>Every semester/3 hours</i> A basic study of applications of electronic data processing; basic concepts of flowcharting, problem solution, and programming.
CS 134	COMPUTER SCIENCE LAB FOR CS 133 <i>Every semester/No credit</i>
CS 203	BEGINNING STRUCTURED PROGRAMMING An introductory study of structured programming using the language FORTRAN. Topics include: computer organization, problem solving, algorithm design, and flowcharting. <i>Every semester/3 hours</i>
CS 213	INTERMEDIATE STRUCTURED PROGRAMMING A continued study of structured programming, using the language Pascal. Topics include: debugging and testing, string processing, internal searching and sorting, data structures, and recursion. <i>Every semester/3 hours</i> <i>Prerequisite: CS 203</i>

CS 223

COBOL

Every semester/3 hours
Programming techniques and algorithm translation in the language COBOL. Emphasis on business applications.

CS 301

MICROPROCESSOR WORKSHOP

Every semester/3 hours
A supervised independent study of the structure and language of a microprocessor. Topics include: basic logic design, coding, hexadecimal arithmetic, and peripheral interfacing. *Prerequisite:* CS 303.

CS 303

ASSEMBLY LANGUAGE PROGRAMMING

Every semester/3 hours
A study of the techniques needed to program a computer in its own assembly language. Topics include: addressing techniques, macros, file I/O, program segmentation and linkage, and assembler construction. *Prerequisite:* CS 213.

CS 310

SURVEY OF LANGUAGES

Every Fall/3 hours
A look at the structure of several high-level languages. Topics include: the definition of a language, language structure and design, data types and structures, interpretive languages, and lexical analysis and parsing. *Prerequisite:* CS 303.

CS 332

TOPICS IN COMPUTER SCIENCE

Every semester/3 hours
An in-depth study of one particular topic each semester. May be repeated for credit. *Prerequisite:* Permission of instructor.

CS 333

COMPUTER CURRICULUM MANAGEMENT

Spring, 1988, and alternate years/3 hours
This course provides a basic knowledge of the tools and procedures available for creating and maintaining a computer science curriculum. *Prerequisites:* CS 203, CS 213.

CS 356

PROGRAMMING FOR TEACHERS

Fall, 1986, and alternate years/3 hours
This course will provide background in the languages BASIC and LOGO, and practical experience in how to teach programming. *Prerequisites:* CS 203, CS 213.

CS 396

DEPARTMENTAL TUTORING

For course description see ACC 396 on page 97.

Every semester/2 hours

CS 399

PRACTICUM *Every semester/1-4 hours*
See page 75. May be repeated for credit.

Every semester/1-4 hours

CS 413

INTRODUCTION TO DATA STRUCTURES

Every Fall/3 hours
A study of the implementation of different data structures, including trees, lists, stacks, and queues. Also included will be a brief look at large data base management. *Prerequisite:* CS 303.

CS 420

OPERATING SYSTEMS

Every Spring/3 hours
A study of several different operating systems, and operating system structure in general. Topics include: dynamic procedure activation, system structure, memory and process management, and the evaluation of operating systems. *Prerequisites:* CS 303.

CS 430

SOFTWARE ENGINEERING

Every Spring/3 hours
A study of the problems involved in producing large pieces of software. Topics include: Algorithm analysis and design, organization and management, resource estimation, and project control. *Prerequisite:* CS 303.

CS 480**READINGS IN CURRENT LITERATURE***Every semester/3 hours*

A supervised self-paced course involving an appropriate amount of reading in current computer science topics, including the preparation and presentation of a paper at a senior seminar. *Prerequisite: Senior standing.*

CS 498**RESEARCH IN COMPUTER SCIENCE***Every semester/1-3 hours*

A detailed study of one or more problems in computer science. May be repeated for up to 9 hours of credit, 3 of which may count toward electives in computer science. *Prerequisite: Consultation with and permission of instructor.*

CS 499**INDEPENDENT STUDY***Every semester/1-4 hours*

See page 74. May be repeated for credit.

TUT 300/**VOLUNTEER TUTORING***Every semester/No credit*

400 For course description see **TUT 300/400** on page 98..

DEGREE REQUIREMENTS - SCIENCE TEACHING

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

Requirements for a major in Science Teaching

BIO 181, 182 General Biology I and II	8 hours
CHE 101 Introduction to Chemistry	4 hours
CHE 102 Introduction to Organic and Biochemistry	4 hours
PHY 111, 112 Intermediate Physics I and II	8 hours
PHY 104 Astronomy	3 hours
EVS 114 General Geology	4 hours
CS 133 Introduction to Computer Science	3 hours
Elective in Biology	4 hours
Major in Elementary Education	47 hours

Requirements for a minor in Science Teaching

BIO 181, 182 General Biology	8 hours
CHE 101 Introduction to Chemistry	4 hours
PHY 104 or 111 or 112 Physics	4 hours
Electives in Biology, Chemistry, Physics, or Geology	8 hours
Major in Elementary Education	47 hours

Performing Arts



Department Description
Music Degrees
Recitals
Music Theory
Private Lessons
Teacher Changes
Jury Examinations
Piano Proficiency
Placement of Transfer
Students
Student Teaching
Music Scholarships
Degree Programs
Degree Requirements—
Music
Programs for Music Minors
Applied Music
Church Music
Music Education
Music Ensembles
Music Courses
Degree Requirements—
Theatre/Speech
Program for Theatre
Minor
Program for Speech



DEPARTMENT DESCRIPTION

A student in the Performing Arts Department may obtain a B.A. or B.S. degree in five major areas (B.A.: Applied and Church Music, and Theatre/Speech; B.S.: Music Education and Church Music) with a choice of 20 possible major emphases. Depending upon proficiency and background, some courses are open to non-majors and minors; admission may be determined by

audition or conference with instructors. Many of the skill courses, such as applied music, are very demanding, and students who major or minor in the Performing Arts, or who elect to take courses in applied music should be aware at the time of enrollment of the necessary demands upon their time for practice and performance.

MUSIC DEGREES

Students majoring in music may take a Bachelor of Arts degree in applied music, church music, or theory, or a Bachelor of Science

degree in music education. Minors are available in church music, music education and a non-teaching music emphasis.

Music

Specific requirements are listed in the Music Regulations Student Handbook, available in the Departmental Office. Majors and minors are responsible for meeting these requirements.

Participation in Group Performance

Seven satisfactory semesters of participation for music majors and three semesters for music minors must be fulfilled in the major Instrumental and Choral Ensembles. Non-majors and non-minors may audition for these groups.

RECITALS

Those music majors enrolled in the B.S. degree program in music education are required to give a thirty-minute recital in their major area of concentration.

Music majors enrolled in the B.A. program in applied music or church music are required to give a thirty-minute and an hour recital.

MUSIC THEORY

The study of music theory is designed for music majors and minors, and should be begun in the first semester of the freshman year unless otherwise approved. A basic fundamentals of music class is offered each Fall and Spring

semester for students needing remedial work prior to enrollment in Theory I; no degree credit is given majors or minors, but non-majors and non-minors may receive elective credit for this course.

PRIVATE LESSONS

Length of Lessons and Practice	Length of lesson time is determined by the number of credit hours to be received:	
	Credit	Lesson Length
	1*	30 minutes
	2**	50 minutes

* Not recommended for majors or minors.

** Strongly recommended for all music majors and minors.

Absence from Private Lessons Lessons missed because of the student's negligence will not be rescheduled. Excused absences, with notification at least 12 hours before the scheduled lesson, and lessons missed because of instructor absence will be made up at a time suitable to both persons; lessons missed during tours, trips or holidays will not be rescheduled.

APPLIED MUSIC JURY EXAMINATION

All music majors and minors are required to perform before a jury of music faculty members as a portion of the final semester grade. Quality of performance and evidence of growth should be exhibited in accordance with jury repertoire requirements listed in the Music Student Handbook.

PIANO PROFICIENCY EXAMINATIONS

A minimum keyboard proficiency level exam is required of all music majors. Primary emphasis is placed on basic technique, sight-reading, harmonic study, and appropriate literature. The student is required to complete the proficiency exam within the first two years of college study.

PLACEMENT OF TRANSFER STUDENTS

For students who plan to major or minor in any form of music, credit in applied music or theory, which is transferred from another institution, must be validated by an examination administered by the Grand Canyon College music faculty. All prerequisite requirements must be met. Satisfactory recital attendance is required during all semesters in which a transfer student is enrolled at Grand Canyon.

the Grand Canyon College music

STUDENT TEACHING

The following music requirements must be completed prior to admission to student teaching in music.

1. Acceptance into the College of Education and completion of all Education requirements.
2. Completion of the following tests:
 - a. Piano Proficiency Examination
 - b. Instrumental Proficiency Examinations (brass, woodwinds, strings, and percussion)
 - c. Completion of Senior Recital.

3. Completion of the following laboratory requirements:

- a. Seven semesters of major ensemble
- b. For keyboard concentrations, a minimum of two semesters of Studio Accompanying
- c. MED 381 Music in the Elementary Grades or MED 382 Music in the Junior and Senior High School
- d. Seven semesters of satisfactory recital attendance

MUSIC SCHOLARSHIPS

Music scholarships are available in all of the applied areas. Application for these scholarships should be made through the Performing Arts Coordinator.

(voice, piano, instrumental). Specifics for scholarship renewal can be found in the "Music Handbook."



DEGREE PROGRAMS

The Department of Performing Arts offers two degrees in music:

Bachelor of Arts Applied Music:

Instrumental

Organ

Piano

Voice

Classical Guitar

Studio Guitar

Theory

Church Music:
(no minor)

Voice

Keyboard

Instrumental

Theory

Bachelor of Science Music Education:
(no minor)

(+ Education hours
& practice teaching)

Instrumental

Keyboard

Theory

Voice

Guitar

Conducting

DEGREE REQUIREMENTS - MUSIC

Required hours for a major in Music

Core Hours (all majors)

MUS 191, 192, 291, 292 Theory 16 hours

MAP Major Applied Instrument or Voice 8 hours
(theory emphasis: 4 hours)

(B.S. in Music Education: 7 hours, except theory emphasis: 4 hours)

MAP Applied Keyboard (Voice: Keyboard majors) 3 hours

MUS 120 Piano Proficiency 0 hours

Major Ensemble (7 semesters, according to
major emphasis) 4+3 audit

MUS 371, 372 Music History 6 hours

MUS 392 Form and Analysis 3 hours

MUS 471 Music Literature 2 hours

MUS 381 Conducting I 2 hours

MUS 009 Recital Attendance
(8 semesters; 7, MUS ED) 0 hours

44 hours

(theory emphasis: 40 hours)

(B.S. in Music Education: 43 hours, except theory emphasis: 40 hours)

Additional Required Hours**Bachelor of Arts degree:****Option 1: Applied Music****Emphasis 1: Instrumental**

MAP Major Applied Instrument

8 hours

MAP Applied Keyboard

1 hour

MAP 390 Junior Recital

0 hours

MAP 490 Senior Recital

0 hours

9 hours**Emphasis 2: Organ**

MAP Applied Organ

8 hours

MUS 391 Counterpoint

2 hours

MAP 390 Junior Recital

0 hours

MAP 490 Senior Recital

0 hours

MUS 429 Studio Accompanying

2 hours

MUS 421 Organ Lit and Accompanying

1 hour

13 hours**Emphasis 3: Piano**

MAP Applied Piano

8 hours

MUS 391 Counterpoint

2 hours

MAP 390 Junior Recital

0 hours

MAP 490 Senior Recital

0 hours

MUS 429 Studio Accompanying

2 hours

12 hours**Emphasis 4: Voice**

MAP Applied Voice

8 hours

MAP Applied Keyboard

1 hour

MAP 390 Junior Recital

0 hours

MAP 490 Senior Recital

0 hours

MUS 111,112,211 Diction I, II, III

3 hours

MUS 481 Vocal Pedagogy (Recommended)

(Recommended hours: 2)

12 hours**Emphasis 5: Classical Guitar**

MAP Applied Classical Guitar

6 hours

MAP Applied Studio Guitar

2 hours

MAP Applied Keyboard

1 hour

MAP 390 Junior Recital

0 hours

MAP 490 Senior Recital

0 hours

9 hours

(of the 16 hours of applied guitar taken 14 are to be of classical guitar, and 2 of studio guitar.)

Emphasis 6: Studio Guitar

MAP Applied Studio Guitar	4 hours
MAP Applied Classical Guitar	4 hours
MAP 390 Junior Recital	0 hours
MAP 490 Senior Recital	0 hours
MED 351 Instrumental Music Organizations	2 hours
MUS 320 Jazz Improvisations	2 hour
	11 hours

(Of the 16 hours of applied guitar taken 12 are to be of studio guitar, and 4 of classical guitar.)

Emphasis 7: Theory

MAP Applied Keyboard	1 hour
(unless Keyboard Major)	
MUS 391 Counterpoint	2 hours
MAP 390 Junior Recital	0 hours
MAP 490 Senior Recital	0 hours
MUS 492 Modern Harmony	2 hours
MUS 389, 489 Applied Theory	6 hours
MUS 411 Choral Arranging	2 hours
MUS 462 Orchestration	2 hours
	15 hours

Option II: Church Music (no minor required)

(see Core pp. 175)

MCH 371 Literature and Worship	3 hours
MCH 372 Hymnology	3 hours
MCH 378 Church Music History	3 hours
MCH 382 Church Music Seminar/Practicum	2 hours
MED 241, 251, 232, 262 Instr Classes	
(choice of 2)	2 hours
MED 381 Music in Elementary Grades	3 hours
MUS 167 Class Guitar	1 hour
MUS 382 Conducting II	2 hours
MUS 391 Counterpoint	2 hours
MAP 390 Junior Recital	0 hours
MAP 490 Senior Recital	0 hours
MUS 009 Recital Attendance	
(8 semesters)	0 hours

Emphasis 1: Instrumental

MAP Major Applied Instrument	6 hours
MAP 119, 219 Applied Voice	2 hours
MUS 117 Voice	1 hour
	30 hours

Emphasis 2: Keyboard

MAP Major Applied Keyboard
 MUS 429 Studio Accompanying

6 hours
 2 hours

 29 hours

Emphasis 3: Voice

MAP Applied Voice
 MUS 481 Vocal Pedagogy
 MUS 111, 112, 211 Diction I, II, III

6 hours
 2 hours
 3 hours

 32 hours

Emphasis 4: Theory

MAP Major Applied Instrumental/Voice
 (In overall applied hours, 4 must be in Voice)
 MUS 492 Modern Harmony
 MUS 411 Choral Arranging
 MUS 462 Orchestration
 MAP 389, 489 Applied Theory

4 hours
 2 hours
 2 hours
 2 hours
 6 hours

 37 hours

Bachelor of Science degree:**Music Education (No minor required)****(For persons planning to teach public school music)**

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 109. For the major in music education, one meets all basic requirements listed below plus the special requirements listed in the fields of concentration. The student also

meets the requirements for Elementary or Secondary Certificate (see pages 109-113) 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 174).

MED 232, 241, 251, 262 Instrument Classes
 MED 381 Music in Elementary Grades (K-8)
 MED 382 Music in Junior and Senior H.S.

4 hours
 3 hours

(K-12 — Secondary only)

MUS 167 Class Guitar
 MUS 382 Conducting II
 MUS 009 Recital Attendance

3 hours
 1 hour
 2 hours

(7 semesters)

0 hours

Note: Students who wish to qualify for K-12 endorsement must include MED 381 and MED 382. Plus education hours required for certification.

Emphasis 1: Instrumental

MED 351 Instrumental Music Organizations	2 hours
MUS 462 Orchestration	2 hours
MAP 390 Junior Recital	<u>0 hours</u>
	17 hours

Emphasis 2: Keyboard

MUS 391 Counterpoint	2 hours
MUS 462 Orchestration or	2 hours
MUS 411 Choral Arr.	<u>0 hours</u>
MAP 390 Junior Recital	17 hours

(MUS 429 Studio Accompanying may be substituted for ensemble hours.)

Emphasis 3: Voice

MUS 111, 112, 211 Diction I, II, III	3 hours
MUS 481 Vocal Pedagogy	2 hours
MUS 411 Choral Arranging	2 hours
MAP 390 Junior Recital	<u>0 hours</u>
	20 hours

Emphasis 4: Guitar

MAP Additional Guitar (2 total classical guitar, 7 total studio guitar)	1 hour
MED 351 Instrumental Music Organizations	2 hours
MUS 320 Jazz Improvisation	1 hour
MUS 462 Orchestration	2 hours
MAP 390 Junior Recital	<u>0 hours</u>
	19 hours

Emphasis 5: Theory

MUS 391 Counterpoint	2 hours
MUS 492 Modern Harmony	2 hours
MUS 411 Choral Arranging	2 hours
MUS 462 Orchestration	2 hours
MAP Applied Voice (unless Voice major)	2 hours
MAP 389, 489 Applied Theory	6 hours
Additional Applied Voice/Instr.	1 hour
MAP 390 Junior Recital	<u>0 hours</u>
	30 hours

Emphasis 6: Conducting Concentration —

Secondary Certification
(MED 381 not necessary) (see Music Education Core)

Choral Conducting: Emphasis in Voice

MAP Applied Voice, Jr/Sr (minimum 7 hours to be audited)	0 hours
MAP Applied Keyboard	1 hour
MUS 391 Counterpoint	2 hours
MUS 403 Advanced Rehearsal Technique	3 hours
MUS 411 Choral Arranging	2 hours
MUS 481 Vocal Pedagogy	2 hours
MUS 111, 112, 211 Diction I, II, III	3 hours
MUS 405 Conducting Practicum	1 hour
MAP 490 Senior Recital	0 hours
	24 hours

Choral Conducting: Emphasis in Piano

MAP Applied Piano, Jr/Sr (minimum 7 hours to be audited)	0 hours
MAP Applied Voice	1 hour
MUS 391 Counterpoint	2 hours
MUS 403 Advanced Rehearsal Techniques	3 hours
MUS 411 Choral Arranging	2 hours
MUS 481 Vocal Pedagogy	2 hours
MUS 111, 112, 211 Diction I, II, III	3 hours
MUS 405 Conducting Practicum	1 hour
MAP 490 Senior Recital	0 hours
	24 hours



Instrumental Conducting: Emphasis in Winds, Strings, Percussion

MAP Applied Instrument (minimum 7 hours to be audited)	0 hours
MAP Applied Keyboard	1 hour
MUS 391 Counterpoint	2 hours
MUS 403 Advanced Rehearsal Technique	3 hours
MUS 462 Orchestration	2 hours
MED 442 Instrumental Literature and Pedagogy	2 hours
MED 351 Instrumental Organizations	2 hours
MUS 405 Conducting Practicum	1 hour
MAP 490 Senior Recital	0 hours
	23 hours

PROGRAMS OFFERED FOR MUSIC MINORS

Requirements for a Music Education minor

MAP Major applied voice or instrument	3 hours
MAP Secondary applied in keyboard or voice	2 hours
MED 241, 262, 232, 251 Instrument classes	2 hours
MED 381 Music in the Elem Grades or MED 382 Music in the Jr and Sr High School	
MEN 119, 139, 149, 169, MUS 429 (Ensemble)	3 hours
MUS 009 Recital Attendance (4 semesters)	0 hours
MUS 111, 112, 211, It, Fr, Ger Diction	
(voice emphasis only)	(3 hours)
MUS 191 Elementary Theory I	4 hours
MUS 371 or MUS 372 Music History I or II	3 hours
MUS 381 Conducting I	2 hours
	22 (25) hours

Requirements for a Church Music minor

MAP Major applied voice or instrument	3 hours
MAP Secondary applied in keyboard or voice	2 hours
MCH 371 Literature and Worship	3 hours
MCH 372 Hymnology	3 hours
MCH 378 History of Church Music and its Forms	3 hours
MCH 382 Church Music Seminar—Practicum	3 hours
MEN 119, 139, or 169 Ensemble	3 hours
MUS 009 Recital Attendance (4 semesters)	0 hours
MUS 191 Elementary Theory I	4 hours
MUS 381 Conducting I	2 hours
	26 hours

Requirements for a non-teaching minor in Music

MAP Major applied instrument or voice	4 hours
MAP Secondary applied in keyboard or voice	3 hours
MEN 119, 129, 139, 149, 169, MUS 429	3 hours
MUS 009 Recital Attendance (4 semesters)	0 hours
MUS 111, 112, 211 It, Fr, Ger Diction (voice emphasis only)	(3 hours)
MUS 191 Elementary Theory I	4 hours
MUS 371 or MUS 372 Music History I, or II	3 hours
MUS 381 Conducting I	2 hours

19 (22) hours

It is recommended that all classes which are not required; Music Education minors take, as also, that voice emphasis students electives, MUS 471 Music in all the music minors elect to Literature and the two instrument take MUS 481 Vocal Pedagogy.

MUSIC

APPLIED MUSIC

All applied music courses are upon required practice (see page designed to be repeated once. 173). Consent of instructor is Amount of credit given is based necessary for all enrollments.

MAP 109**BASIC PIANO**

Private instruction for the non-music major with no previous piano training. *Every semester/1 hour*
A jury examination is not required. May be repeated to a maximum of four hours, but does not count toward a music major or minor.

MAP 119**APPLIED VOICE**

A study of vocal technique, including fundamentals of voice production, principles of breathing, study of vowels, and essentials of tone production. *Every semester/1-2 hours*
Instruction includes vocalizes, phrasing, tone color, diction, style and interpretation of standard vocal repertoire.

MAP 219**APPLIED VOICE**

Continuation of **MAP 119**. *Prerequisite: MAP 119.*
Every semester/1-2 hours

MAP 319**APPLIED VOICE**

Continuation of **MAP 219**. Designed to prepare for Junior Recital. *Every semester/1-2 hours*
Prerequisites: MAP 219, Junior standing, completion of Diction requirements, successful passing of a Voice Upper Level Proficiency Jury.

MAP 419**APPLIED VOICE**

Continuation of **MAP 319**. Designed to work toward Senior Recital. *Every semester/1-2 hours*
Prerequisites: MAP 319 and Senior standing.

MAP 389**APPLIED THEORY**

Private instruction in composition. Designed to provide background for the production of senior composition. *Every semester/3 hours*



MAP 489 APPLIED THEORY *Every semester/3 hours*
Continuation of MAP 389.

MAP 129 APPLIED KEYBOARD/ORGAN *Every semester/1-2 hours*
Private instruction in the study of organ technique, including hymn and service playing. Repertoire includes the beginning of a progressive study of the works of Bach, Mendelssohn, Dupre, Franck, Brahms, Reubke, Verne and modern composers. Attention is also given to accompaniment for solos, choral works and recital playing.

MAP 229 APPLIED KEYBOARD/ORGAN *Every semester/1-2 hours*
Continuation of MAP 129. *Prerequisite:* MAP 129.

MAP 329 APPLIED KEYBOARD/ORGAN *Every semester/1-2 hours*
Continuation of MAP 229. Designed to prepare for a Junior Recital. *Prerequisites:* MAP 229 and Junior standing.

MAP 429 APPLIED KEYBOARD/ORGAN *Every semester/1-2 hours*
Continuation of MAP 329. Designed to prepare for a Senior Recital. *Prerequisites:* MAP 329 and Senior standing.

MAP 129 APPLIED KEYBOARD/PIANO *Every semester/1-2 hours*
Private instruction in the 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 to be studied over a progression of semesters includes works by J.S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy, Prokofiev and other outstanding composers.

MAP 229 APPLIED KEYBOARD/PIANO *Every semester/1-2 hours*
Continuation of MAP 129. *Prerequisite:* MAP 129.

MAP 329 APPLIED KEYBOARD/PIANO *Every semester/1-2 hours*
Continuation of MAP 229. Designed to work toward a Junior Recital. *Prerequisites:* MAP 229 and Junior standing.

- MAP 429 APPLIED KEYBOARD/PIANO** *Every semester/1-2 hours*
Continuation of MAP 329. Designed to work toward a Senior Recital.
Prerequisites: MAP 329 and Senior standing.
- MAP 139 APPLIED WOODWINDS** *Every semester/1-2 hours*
Private instruction in a woodwind instrument, study of fundamentals of tone production, scales and technique for playing the instrument of the student's choice. Solo selections are studied from recognized composers.
- MAP 239 APPLIED WOODWINDS** *Every semester/1-2 hours*
Continuation of MAP 139. *Prerequisite: MAP 139.*
- MAP 339 APPLIED WOODWINDS** *Every semester/1-2 hours*
Continuation of MAP 239. Designed to prepare for a Junior Recital.
Prerequisites: MAP 239 and Junior standing.
- MAP 439 APPLIED WOODWINDS** *Every semester/1-2 hours*
Continuation of MAP 339. Designed to prepare for a Senior Recital.
Prerequisites: MAP 339 and Senior standing.
- MAP 149 APPLIED BRASS** *Every semester/1-2 hours*
Private instruction in a brass instrument of the student's choice. Same format as MAP 139 (above).
- MAP 249 APPLIED BRASS** *Every semester/1-2 hours*
Continuation of MAP 149. *Prerequisite: MAP 149.*
- MAP 349 APPLIED BRASS** *Every semester/1-2 hours*
Continuation of MAP 249. Designed to prepare for a Junior Recital.
Prerequisites: MAP 249 and Junior standing.
- MAP 449 APPLIED BRASS** *Every semester/1-2 hours*
Continuation of MAP 349. Designed to prepare for a Senior Recital.
Prerequisites: MAP 259 and Junior standing.
- MAP 159 APPLIED PERCUSSION** *Every semester/1-2 hours*
Private instruction in a percussion instrument of the student's choice. Same format as MAP 139 (above).
- MAP 259 APPLIED PERCUSSION** *Every semester/1-2 hours*
Continuation of MAP 159. *Prerequisite: MAP 159.*
- MAP 359 APPLIED PERCUSSION** *Every semester/1-2 hours*
Continuation of MAP 259. Designed to prepare for a Junior Recital.
Prerequisites: MAP 259 and Junior standing.
- MAP 459 APPLIED PERCUSSION** *Every semester/1-2 hours*
Continuation of MAP 359. Designed to prepare for a Senior Recital.
Prerequisites: MAP 359 and Senior standing.
- MAP 169 APPLIED STRINGS/
ORCHESTRAL INSTRUMENTS** *Upon demand/1-2 hours*
Violin, Viola, Cello, String Bass private instruction. Same format as MAP 139 (above).

**MAP 269 APPLIED STRINGS/
ORCHESTRAL INSTRUMENTS**
Upon demand/1-2 hours
Continuation of MAP 169. *Prerequisite: MAP 169.*

**MAP 369 APPLIED STRINGS/
ORCHESTRAL INSTRUMENTS**
Upon demand/1-2 hours
Continuation of MAP 269. Designed to prepare for Junior Recital.
Prerequisites: MAP 269 and Junior standing.

**MAP 469 APPLIED STRINGS/
ORCHESTRAL INSTRUMENTS**
Upon demand/1-2 hours
Continuation of MAP 369. Designed to prepare for Senior Recital.
Prerequisites: MAP 369 and Senior standing.

**MAP 169 APPLIED CLASSICAL
OR STUDIO GUITAR**
Every semester/1-2 hours
The student is given a choice for the study of either Classical or Studio Guitar. Classical Guitar provides private study in technique and scales along with various styles and composers; the goal is classical performance. Studio Guitar provides a series of private instruction designed to prepare the student for professional studio performance through a concentration on varied styles and improvisation.

**MAP 269 APPLIED CLASSICAL
OR STUDIO GUITAR**
Every semester/1-2 hours
Continuation of MAP 169. *Prerequisite: MAP 169.*

**MAP 369 APPLIED CLASSICAL
OR STUDIO GUITAR**
Every semester/1-2 hours
Continuation of MAP 269. Designed to prepare for a Junior Recital.
Prerequisites: MAP 269 and Junior standing.

**MAP 469 APPLIED CLASSICAL
OR STUDIO GUITAR**
Every semester/1-2 hours
Continuation of MAP 369. Designed to prepare for a Senior Recital.
Prerequisites: MAP 369 and Senior standing.

MAP 390 JUNIOR RECITAL
Every semester/No credit
Public Recital approximately 30 minutes in length in accordance with requirements of B.A. degree in music and the performing arts. Applied and Church Music majors will perform as designated in the Music Student Handbook; theory majors will present a 30-minute composition. Conducting concentrations will conduct a 30-minute program.

MAP 396 DEPARTMENTAL TUTORING
Every semester/2 hours
For course description see ACC 396 on page 97.

MAP 400 SENIOR RECITAL (B.S. degree)
Every semester/No credit
Same format as MAP 390. Only recital requirement for B.S. degree in Music Education and Church Music.

MAP 490 SENIOR RECITAL (B.A. degree)
Every semester/No credit
Same format as MAP 390 only one hour in length. Theory majors may choose presentation of original composition with a Major ensemble.

TUT 300/ VOLUNTEER TUTORING
Every semester/No credit
For course description see TUT 300/400 on page 98.

CHURCH MUSIC COURSES

MCH 371 LITERATURE

AND WORSHIP

Spring, 1988, and alternate years/3 hours
A survey of choral literature for the church, i.e., anthems, solos, cantatas, oratorios, and the relation of these to the elements of worship.

MCH 372 HYMNOLOGY.

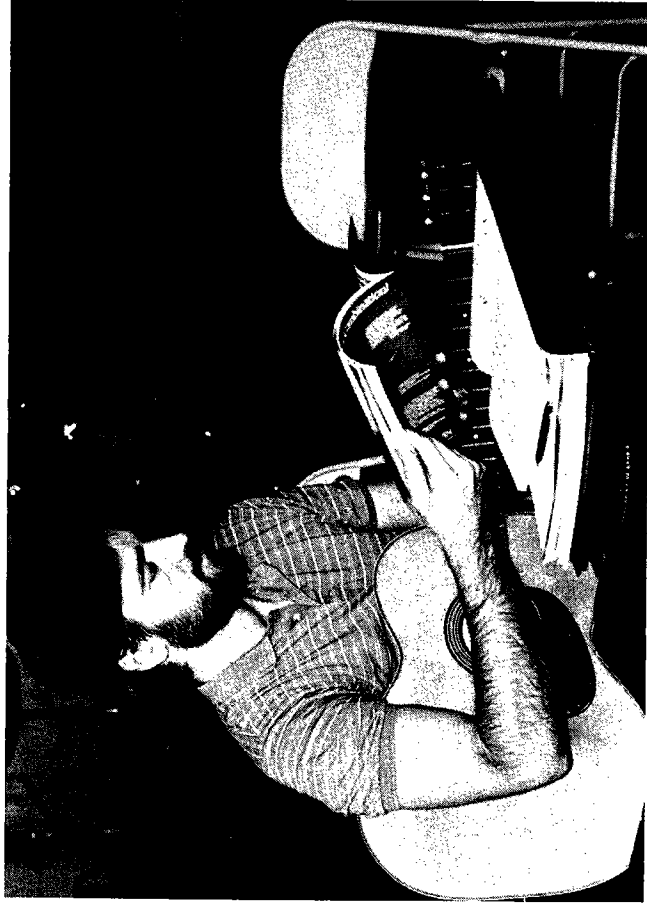
Fall, 1986, and alternate years/3 hours
Also REL 393. A survey of hymnology during the history of the Christian church designed to bring about more meaningful usage of the hymn in congregational singing and in all areas of Christian life and worship. Emphasis is placed upon American hymnology. No musical background is required. Recommended for theology and religious education students.

MCH 378 HISTORY OF CHURCH MUSIC AND ITS FORM

Fall, 1987, and alternate years/3 hours
A historical survey of church music in the ancient world to the present day with reference to liturgies, Jewish forms, American and British hymnology, and the development of current day sacred music forms and its influences on church music in general.

MCH 382 CHURCH MUSIC SEMINAR—PRACTICUM

On demand/2 hours
A study of theory and practice of the music ministry in the local church with emphasis 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, and will observe and put into practice graded choir techniques. *Prerequisites: MCH 371, 372, 378, MUS 381, or consent of instructor.*



- MCH 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see ACC 396 on page 97.

MUSIC EDUCATION COURSES

- MED 232 WOODWIND INSTRUMENT CLASS** *Every Spring/1 hour*
A practical study of the high and low woodwind instruments. The student learns to play, care for and teach each instrument. *Prerequisite: Sophomore standing.*

- MED 241 BRASS INSTRUMENT CLASS** *Every Fall/1 hour*
A practical study of the high and low brass instruments. The student learns to play, care for, and teach each instrument. *Prerequisite: Sophomore standing.*

- MED 251 PERCUSSION INSTRUMENT CLASS** *Every Fall/1 hour*
Same format as **MED 241**, except pertaining to percussion instruments. *Prerequisite: Sophomore standing.*

- MED 262 STRING INSTRUMENT CLASS** *Every Spring/1 hour*
A practical study of the high and low string instruments. The student learns to play, care for, and teach each instrument. *Prerequisite: Sophomore standing.*

- MED 351 INSTRUMENTAL MUSIC ORGANIZATIONS** *Every Fall/2 hours*
An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes philosophy, 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. *Prerequisites: MUS 292, MED 241, 262, 232, 251.*

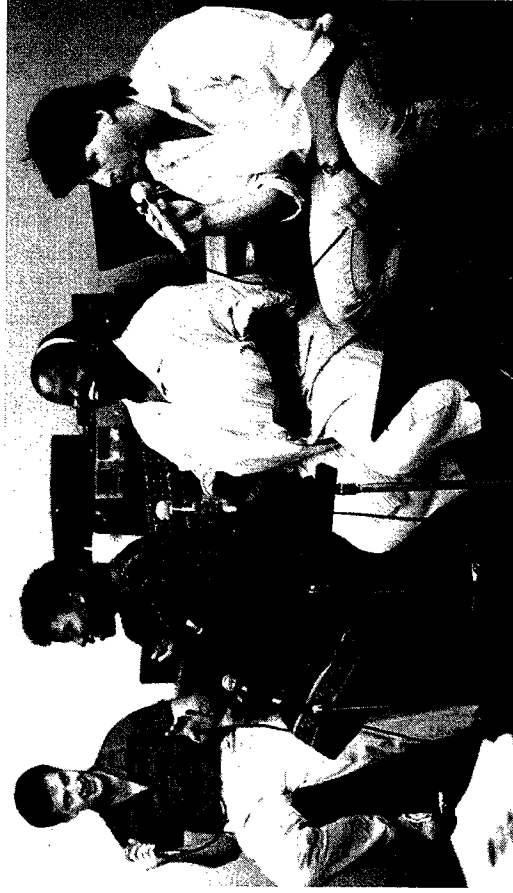
- MED 381 MUSIC IN THE ELEMENTARY GRADES** *Every Fall/3 hours*
A study and demonstration of methods and materials for the first six grades. A study is made of problems encountered with each grade level. Lesson plans are prepared. Visits are made to observe actual teaching situations. *Prerequisite: MUS 292 or consent of instructor.*

- MED 382 MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOL** *Every Spring/3 hours*
A study of methods for developing and conducting the music program in junior and senior high schools, 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 292, 381, or consent of instructor.*

- MED 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see ACC 396 on page 97.

- MED 442 INSTRUMENTAL LITERATURE & PEDAGOGY** *Every Fall/2 hours*

Study of outstanding literature (secular and sacred) for Junior and Senior high school band, orchestra, stage band, jazz ensemble and chamber ensembles. Special rehearsal skills and interpretation are emphasized. *Prerequisites: Junior standing, MTIS 292*



MUSIC ENSEMBLES

MEN 109

JUBILATION

Every Fall, January, Spring/No credit
Small ensemble of singers and instrumentalists; open by audition to entire student body. Work among churches, schools and clubs as a public relations and witness performance group.

MEN 119

CHORAL ENSEMBLE (CHAPEL CHOIR/ CANYON SINGERS/CONCERT CHOIR)

Every Fall, Spring/1 hour
Membership is open to all students. Successive semesters of choral music is made possible by repetition for credit. An oratorio or extended work is presented during the semester.

MEN 129

SMALL JAZZ ENSEMBLE

Every Fall, Spring/1 hour
A performing Ensemble designed to give the student experience performing Jazz material in a small ensemble setting.

MEN 139

WIND ENSEMBLE

Every Fall, Spring/1 hour
The Wind Ensemble is made up of Music majors, minors and students from other disciplines. The musicians are provided an opportunity to increase their performance skills through an active and challenging involvement with the creative process. The Wind Ensemble offers non-music majors an avenue in which to continue making music throughout their College career. The literature performed is selected from the finest contemporary and traditional repertoire.

MEN 149

JAZZ BAND

Every Fall, Spring/1 hour
Performance of Jazz oriented material written or arranged for the Jazz Band.

MEN 159

BASKETBALL BAND

Every Fall, Spring/No credit
Organized specifically for Basketball season. Membership is determined by audition and is open to any student with instrumental experience. Must enroll Fall and Spring. Rehearsals are on a T.B.A. basis.

MEN 169

CHAMBER ORCHESTRA

On demand/1 hour
Study and performance of orchestral literature and styles. Also, utilized on demand for accompaniment of yearly opera workshop and musical theater productions.

- MEN 179 COLLEGIUM MUSICUM** *Every Fall, Spring/1 hour*
An advanced vocal ensemble for music majors. Approval of the director of choral activities.
- MEN 189 CHAMBER MUSIC ENSEMBLES** *Every Fall, Spring/1 hour*
Practice, study and performance of chamber music. Includes various combinations of strings, woodwinds, brasses, percussion, guitar and voice. Approval of private instructor.

MUSIC COURSES

- MUS 009 RECITAL ATTENDANCE** *Every Fall, Spring/No credit*
Thursday afternoon studio, area, and departmental recitals required of all music and performing arts majors and minors. Details listed in Music Student Handbook.
- MUS 105 FUNDAMENTALS OF MUSIC** *Every Fall, Spring/2 hours*
Designed for every individual interested in acquiring skill as well as a theoretical grasp of the basic elements involved in the reading, writing, performance and understanding of music. No credit toward degree for music majors. No prerequisite.
- MUS 111 DICTON I: ITALIAN** *Every Fall/1 hour*
A laboratory devoted to phonetic sounds of Italian as used by a singer. Prerequisite course to upper level Applied Voice.
- MUS 112 DICTON II: FRENCH** *Every Spring/1 hour*
A laboratory devoted to phonetic sounds of French as used by a singer. Prerequisite course to upper level Applied Voice. Student having 2 years high school French or 1 year college French may test out of this course.
- MUS 211 DICTON III: GERMAN** *Every Spring/1 hour*
A laboratory devoted to phonetic sounds of German as used by a singer. Prerequisite course to upper level Applied Voice. Student having 2 years high school German or 1 year college German may test out of this course.
- MUS 120 PIANO PROFICIENCY** *Every semester/No credit*
All music majors 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.
- MUS 167 CLASS GUITAR** *Every Fall, Spring/1 hour*
Class instruction for beginners in playing the acoustic guitar. Open to non-music majors and minors.
- MUS 191 ELEMENTARY THEORY OF MUSIC I** *Every Fall/4 hours*
Designed for Music Majors and Minors, this is an integrated course in musicianship, including ear training, sight-singing, dictation, 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. Grade of "C" or above necessary for advancement. *Prerequisite: MUS 105 or a satisfactory score on the Freshman Theory Placement Examination administered during enrollment week and on demand during summer sessions.*
- MUS 192 ELEMENTARY THEORY OF MUSIC II** *Every Spring/4 hours*
Continuation of **MUS 191**. Grade of "C" or above necessary for advancement. *Prerequisite: MUS 191, or equivalent.*

MUS 219 OPERA WORKSHOP

Participation and production of a full-length opera, two one-act operas or opera scenes. Provides activities in all phases of opera production (set design, costuming, make-up, staging, publicity). May be repeated for credit.
Prerequisites: Audition and consent of instructor.

Every Fall/3 hours

MUS 252 MUSIC APPRECIATION

Designed specifically for non-Music majors and minors, this course contributes to the intellectual, emotional and aesthetic understanding of music as expression, as science, and as an art closely kin to the other fine arts. Great works of music are heard in order that the student may gain insight into music's inner workings and that may develop a discriminating, intelligent appreciation of the best in music.

Every semester/3 hours

MUS 291 ADVANCED THEORY OF MUSIC I

Advanced study in partwriting, including chromatic and other non-harmonic tones; further study in sight-singing and dictation; keyboard application of theoretical materials. Original composition is emphasized utilizing traditional triadic harmonies as well as modality, 12 tone, secundal, quartal and added note techniques. Grade of "C" or above necessary for advancement. *Prerequisite: MUS 192, or equivalent.*

Every Fall/4 hours

MUS 292 ADVANCED THEORY OF MUSIC II

Continuation of **MUS 291**. Grade of "C" or above necessary for advancement. *Prerequisite: MUS 291, or equivalent.*

Every Spring/4 hours

MUS 319 OPERA WORKSHOP

See **MUS 219** (above).

MUS 320 JAZZ IMPROVISATION

A course designed to introduce the student to improvising, with emphasis on scales, modes and arpeggios. *Prerequisite: MUS 105, 191, or consent of instructor.*

Every Fall, Spring/1 hour

MUS 371 MUSIC HISTORY I

A survey of music from primitive times to the early 19th century; presents the growth of music through the contrapuntal schools culminating in the work of J.S. Bach; the development of opera and oratorio; and the rise of homophonic music through the Classical Period of Haydn and Mozart. Designed for Music majors and minors. *Prerequisite: Upper class standing or consent of instructor.*

Every Fall/3 hours

MUS 372 MUSIC HISTORY II

A survey of music from the early 19th century to modern times. Study is devoted to the art song, the nationalistic schools, the principal composers of the Romantic and Contemporary periods and their masterpieces. Designed for Music majors and minors. *Prerequisite: Upper class standing or consent of instructor.*

Every Spring/3 hours

MUS 381 CONDUCTING I

A study of the fundamentals and techniques of conducting hymns, anthems, and other music with special emphasis on the problems of directing vocal groups. *Prerequisite: Junior standing and completion of Music Theory and Music History degree requirements. Consent of Instructor.*

Every Fall/2 hours

MUS 382 CONDUCTING II

Continuation of **MUS 381** with greater attention being given to instrumental music. Includes study of choral and instrumental literature. Emphasis is placed upon score reading, artistic interpretation and the conducting of marches, overtures, symphonies, and larger works. First hand experience with performing group may be provided. *Prerequisite: MUS 381.*

Every Spring/2 hours

MUS 391 COUNTERPOINT

Every Spring/2 hours
A practical study of 18th century counterpoint and its various species of two to four part writing. Background reference is made to early polyphonic music. Students write inventions and fugues in manner of J.S. Bach.
Prerequisite: MUS 292.

MUS 392 FORM AND ANALYSIS

Every Fall/3 hours
A study of the various structure forms in music: from motive, phrase and period, through binary and ternary forms to the most complex, such as the variation, rondo, and sonata. Works of the masters are analyzed from the standpoint of form. *Prerequisite: MUS 292.*

MUS 396 DEPARTMENTAL TUTORING

Every semester/2 hours
For course description see ACC 396 on page 97.

MUS 403 ADVANCED REHEARSAL TECHNIQUES

Every Spring/3 hours
A study of advanced problems in rehearsing and conducting at the high school level. Also included are specific course designs and teaching strategies for performing and non-performing classes. *Prerequisite: MUS 291 and Junior standing.*

MUS 405 CONDUCTING PRACTICUM

Every Fall Spring/1 hour
A school-centered experience designed to provide prospective junior and senior high music teachers an intensive involvement with students in music courses.

MUS 411 CHORAL ARRANGING

Every Fall/2 hours
A course designed to teach the prospective music teacher the skill of choral arranging and to help the student meet the day to day demands placed on a general music teacher or a secondary choral director. *Prerequisites: MUS 292 and consent of the instructor.*

MUS 421 ORGAN LITERATURE AND ACCOMPANIMENT

On demand/1 hour
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.
Prerequisite: two years of Applied Organ, MAP 129 and 229.

MUS 429 STUDIO ACCOMPANYING

Every Spring/1 hour
A study and application of accompanying techniques in vocal and instrumental music. Students are assigned a vocalist and instrumentalist with whom to work for the semester. *Prerequisite: consent of the instructor.*

MUS 462 ORCHESTRATION

Every Spring/2 hours
A course designed to present the practical fundamentals of orchestration of all of the current instruments in the string, woodwind, brass and percussion families. *Prerequisites: MUS 292 and consent of the instructor.*

MUS 471 MUSIC LITERATURE

Every Fall/2 hours
A survey of music literature including masterworks of chamber music, symphony, concerto, choral music, and opera with emphasis on style, aesthetics, and musical terminology. *Prerequisites: MUS 292, 371, 372.*

MUS 481 VOCAL METHODS AND PEDAGOGY

Every Fall/2 hours
A study of skills for the teaching of voice to individuals or groups. The physical voice is studied and potential vocal problems analyzed; historical methods of correction are presented. Guest lecturers present current ideas. *Prerequisite: MAP 219, or consent of instructor.*

MUS 492 MODERN HARMONY

An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing.
Prerequisite: MUS 292 or equivalent.

Fall, 1987, and alternate years/2 hours

TUT 300/ VOLUNTEER TUTORING

400 For course description see TUT 300/400 on page 98. *Every semester/No credit*

DEGREE REQUIREMENTS - THEATRE/SPEECH

The Department of Performing Arts endeavors to give its Theatre and Speech students a complete education. To that end the Theatre and Speech major and minors have been developed to allow the student a balance between academics and the practical application of academics through performance.

The Performing Arts Department suggests that a major or minor in Theatre and Speech would be desirable for the student planning a career, not only in Theatre/Speech, but also in the ministry, religious education, secondary education, law, social work, or public relations.

The Theatre Area, in cooperation with the Music Area, produces the Ethington Theatre Series which presents five major productions annually; auditions for these productions are open to the entire student body. The Theatre/Speech Area also supports a speech team that competes in contests each year and performs publicly on campus.

WORD POWER, INC. is dedicated to sharing and spreading Christ's love through dramatic presentations and creative worship. Participation is through audition.

Theatre and Speech scholarships are available by audition.



Requirements for a major in Theatre/Speech (B.A. Degree)

TRE 120 Introduction to the Theatre	3 hours
TRE 140, 340 Stagecraft and Design	3 hours
TRE 150 Acting I	3 hours
TRE 200 Theatre Participation	1 hour
TRE 250, 255, Acting II or Stage Movement	3 hours
TRE 300 Theatre Participation	1 hour
TRE 370, 371 Theatre History I or II	3 hours
TRE 375 Dramatic Literature	3 hours
TRE 440, 470 Stage Lighting or Christian Drama	3 hours
TRE 498 Stage Direction	3 hours
SPC 113 Fundamentals of Speech	3 hours
SPC 200 Speech Participation	1 hour
SPC 292 Group Discussion	3 hours
SPC 300 Speech Participation	1 hour
SPC 311 Advanced Public Speaking	3 hours
SPC 318 Voice and Diction	3 hours
SPC 378 Oral Interpretation of Literature	3 hours
SPC 398 Communication and the Media	3 hours

46 hours

Students are required to select three out of four available participation credits.

Requirements for a minor in Speech

SPC 113 Fundamentals of Speech	3 hours
SPC 292 Group Discussion	3 hours
SPC 311 Advanced Public Speaking	3 hours
SPC 318 Voice and Diction	3 hours
SPC 378 Oral Interpretation of Literature	3 hours
SPC 398 Communications and the Media	3 hours
SPC 200, 300 Speech Participation	1 hour

19 hours

Requirements for a minor in Theatre

TRE 120 Introduction to Theatre	3 hours
TRE 140, 340 Stagecraft and Design	3 hours
TRE 150 Acting I	3 hours
TRE 370, 371 Theatre History I or II	3 hours
SPC 318 Voice and Diction	3 hours
TRE 498 Stage Direction	3 hours
TRE 200, 300 Theatre Participation	1 hour

19 hours

THEATRE AND DRAMA

TRE 120 INTRODUCTION TO THE THEATRE

Every Fall/3 hours

The study of dramatic structure, dramatic literature, period styles and various types of drama.

TRE 140 STAGECRAFT AND DESIGN

The study of set construction, lightings, costuming, properties, and make-up. Practical application of the above to be gained through college practicum. May be repeated for credit once.

Every Fall, Spring/3 hours

TRE 150**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, 1986, and alternate years/3 hours

TRE 200**THEATRE PARTICIPATION**

As a hands-on participation course, students may choose the area of theatre in which they are most interested and work in that area. Students should choose from either acting, technical theatre, box office, stage management, or related fields. *Prerequisite: consent of instructor.*

Every Fall, Spring/1 hour

TRE 250**ACTING II**

An advanced acting course emphasizing scene study and textual analysis, allowing students to concentrate on the method and technique of building a character. *Prerequisite: TRE 150 or consent of instructor.*

Spring, 1987, and alternate years/3 hours

TRE 255**STAGE MOVEMENT**

Theories and technical practices of styles and schools of stage movement. Study of audition techniques, working with groups and individually, direction techniques, ballet, and the basic theories of Delsarte, Dalcroze, and Alexander. Open to non-majors and minors.

Every Fall/3 hours

TRE 300

THEATRE PARTICIPATION See **TRE 200** (above).

TRE 340

STAGECRAFT AND DESIGN See **TRE 140** (above).

TRE 370**THEATRE HISTORY I (GREEKS TO RESTORATION)**

An in-depth study of the history and development of theatre from early Greece to the English Restoration. *Prerequisite: TRE 120 or consent of instructor.*

Spring, 1987, and alternate years/3 hours

TRE 371**THEATRE HISTORY II (18TH CENTURY TO MODERN)**

An in-depth study of the history and development of theatre from 18th century through modern time. *Prerequisite: TRE 120 or consent of instructor.*

Spring, 1988, and alternate years/3 hours

TRE 375**DRAMATIC LITERATURE**

A comprehensive study of the major periods and forms of dramatic literature dating from early Greece through the present. *Prerequisite: TRE 120.*

Fall, 1987, and alternate years/3 hours

TRE 378**HISTORY AND LITERATURE OF THE LYRIC STAGE**

In-depth study of the lyric stage; divided into 3 categories: sacred music drama, from the Medieval musical plays to contemporary church musicals; general music drama, from opera to Broadway musical; children's musical theatre, both for children and with children. Open to non-majors. No prerequisite.

On demand/3 hours

TRE 396**DEPARTMENTAL TUTORING**

For course description see **ACC 396** on page 97.

Every semester/2 hours

TRE 440 STAGE LIGHTING AND DESIGN

Spring, 1988, and alternate years/3 hours
The art of designing lighting for the theatre. Students will actively participate in designing college productions and classroom projects. *Prerequisite: TRE 120 or consent of instructor.*

TRE 470 CHRISTIAN DRAMA

Spring, 1988, and alternate years/3 hours
Also **REL 253**. A creative Christian dramatics lab with opportunities to perform for churches and other groups. Emphasis is 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.

TRE 498 STAGE DIRECTION

Spring, 1988, and alternate years/3 hours
A study of theories and techniques of interpreting and directing plays through lectures and demonstrations. Students are required to participate in laboratory projects in directing one-acts or scenes from full-length plays for public performance. *Prerequisite: TRE 120 or consent of instructor.*

TUT 300/ VOLUNTEER TUTORING

400 For course description see **TUT 300/400** on page 98. *Every semester/No credit*

SPEECH

SPC 113 FUNDAMENTALS OF SPEECH

Every semester/3 hours
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. Required, or equivalent, for education majors.

SPC 200 SPEECH PARTICIPATION

Every Fall, Spring/1 hour
As a hands-on participation course, students may choose the area of speech in which they are most interested and work in that area. Students should select from either assisting the organization and running of speech tournaments, judging in speech contests or related fields. *Prerequisite: consent of instructor.*

SPC 292 GROUP DISCUSSION

Spring, 1987, and alternate years/3 hours
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 consent of instructor.*

SPC 300 SPEECH PARTICIPATION See **SPC 200** (above).

SPC 311 ADVANCED PUBLIC SPEAKING

Every Fall/3 hours
An intense study of the techniques and practice of public speaking with emphasis on forensics. Provision is made for participation in tournament speaking. *Prerequisite: SPC 113 or consent of instructor.*

SPC 318 VOICE AND DICTION

Every Fall/3 hours
A basic study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation.

SPC 378 ORAL INTERPRETATION OF LITERATURE

Every Spring/3 hours
A study of the methods and techniques of interpretative oral reading of varied types of literature.

- SPC 396 DEPARTMENTAL TUTORING** *Every semester/2 hours*
For course description see **ACC 396** on page 97.
- SPC 398 COMMUNICATIONS AND THE MEDIA** *Spring, 1988, and alternate years/3 hours*
A study of communication techniques for mass media, with emphasis on oral communications. Advertising, news reporting, programming, and children's television will be explored.
- TUT 300/400 VOLUNTEER TUTORING** *Every semester/No credit*
For course description see **TUT 300/400** on page 98.

Religion

Department Description
Degree Requirements—Bible
Bible
New Testament Greek
Religion
Philosophy
Center for Biblical Studies



DEPARTMENT DESCRIPTION

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 related activities.

Many courses in this department are designed to be beneficial to all college students. Some 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 a course of study to give the best possible general preparation for the student's life work. Enrollment in a wide variety of courses, according to personal interests, will provide background for association with people in all fields of endeavor. Suggested areas include sociology, psycho-

logy, history, science, business, and government. For improvement of ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. Courses in physical education will help 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 Bible or Religion. 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. Students planning to enter religious or church related work are strongly encouraged to pursue seminary studies following graduation from college.

DEGREE REQUIREMENTS

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 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 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 Religion	18 hours
(may include 6 hours Bible)	

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

Requirements for a minor in Religious Education

REL 213 A Survey of Religious Education	3 hours
REL 243 Church Administration	3 hours
REL 333 Psychology In Religion	3 hours
EDU 303 Foundations of Education or EED 343 Communication Arts in the Elementary School	3 hours

Two of the following:

BIB 323 Evangelism	
REL 253 Christian Drama: Directing and Performing	
REL 302 Church Recreation	
REL 363 Instructional Media	
REL 393 Hymnology	6 hours

The 18 hours do not include BIB 113 and BIB 123.

A student may receive a minor in Religious Education with a major in Bible but not with a major in Religion.

BIBLE

BIB 113	OLD TESTAMENT HISTORY <i>Every semester and every Summer/3 hours</i> An introductory and historical survey of the Old Testament. Attention is given to the study of the Bible itself, its institutions, literature, and history of the national life of the Hebrew people from earliest times to the close of the Old Testament period.
----------------	---

BIB 123	NEW TESTAMENT HISTORY <i>Every semester and every Summer/3 hours</i> A general historical survey of the New Testament, beginning with the inter-biblical period, with the main emphasis given to the Gospels and Acts.
----------------	--

BIB 323	EVANGELISM <i>Spring, 1987, and alternate years/3 hours</i> A study of the history, theology, principles and methods of New Testament evangelism, including personal, church and mass evangelism. Each student will be encouraged to do personal work as a part of this course. <i>Prerequisites:</i> BIB 113 and 123.
----------------	--

BIB 333	OLD TESTAMENT PROPHETS <i>Spring, 1988, and alternate years/3 hours</i> 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. <i>Prerequisites:</i> BIB 113 and 123.
----------------	---

BIB 343	THE PENTATEUCH (GENESIS—DEUTERONOMY) <i>Fall, 1986, and alternate years/3 hours</i> 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. <i>Prerequisites:</i> BIB 113 and 123.
----------------	--

BIB 353 OLD TESTAMENT POETRY *Fall, 1987, and alternate years/3 hours*
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.

BIB 373 CHRISTIAN DOCTRINES *Every Fall/3 hours*
A systematic study of the major doctrines of the Christian religion, 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.*

BIB 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see ACC 396 on page 97.

BIB 423 GENERAL EPISTLES AND REVELATION *Spring, 1987, and alternate years/3 hours*
A study of the historical background, authorship, and expository 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.*

BIB 433 LIFE AND TEACHINGS OF CHRIST *Fall, 1986, and alternate years/3 hours*
A study of the life of Jesus, with special attention given to his person, teachings, and work. *Prerequisites: BIB 113 and 123.*

BIB 443 LIFE AND LETTERS OF PAUL *Every Spring/3 hours*
A study of the life and times of the apostle Paul, with an interpretation of his epistles' and their historical setting. *Prerequisites: BIB 113 and 123.*

BIB 463 BIBLICAL BACKGROUNDS *Spring, 1988, and alternate years/3 hours*
A geographical and archaeological survey of Palestine and the countries near it, and an examination of the important political, social, and religious customs and conditions which have a bearing on Biblical history.
Prerequisites: BIB 113 and 123.

TUT 300/400 VOLUNTEER TUTORING *Every semester/No credit*
For course description see TUT 300/400 on page 98.



NEW TESTAMENT GREEK

The courses in Greek are Greek New Testament. Fourteen designed to enable the student to hours of Greek (two years) are acquire an early mastery of the recommended for the Bachelor of essentials of inflection and syntax, Arts degree. Students who plan to to resolve the principal difficulties enter the Master of Divinity of grammatical analysis, and to program in seminary should take develop in the student a vigorous at least one year of Greek in and independent interest in the college.

GRK 274 BEGINNER'S GREEK *Every Fall/4 hours*

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 study the Greek New Testament. Sophomore standing or special permission is required.

GRK 284 BEGINNER'S GREEK *Every Spring/4 hours*

Continuation of **GRK 274**. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of cases, prepositions, and tenses. *Prerequisite: GRK 274 or equivalent.*

GRK 373 ADVANCED GREEK GRAMMAR *Every Fall/3 hours*

For second year students of the Greek New Testament. Forms, syntax, and prose composition are reviewed. The student is required to translate I Thessalonians and is given, with each lesson, a demonstration of the significance of Greek forms as vital to accurate translation. *Prerequisite: GRK 284.*

GRK 383 ADVANCED GREEK GRAMMAR *Every Spring/3 hours*

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.*

GRK 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see **ACC 396** on page 97.

TUT 300/ VOLUNTEER TUTORING *Every semester/No credit*
400 For course description see **TUT 300/400** on page 98.

RELIGION

REL 201 DEVELOPMENT IN MINISTRIES *Fall on demand/3 hours*

This course introduces the student to Christian ministries in a practical manner, to prepare him/her for more mature study and experience of ministry. It involves the student in personal observation of ministry and direct contact with ministers. The course is prerequisite to and prepares for the formal internship practicum.

REL 211 TRAINING IN CHRISTIAN DISCIPLESHIP I *Fall on demand/2 hours*

An intensive study and application of the basic disciplines of Christian discipleship focusing on the formation of character, values, disciplines, and habits, especially related to inner development. **REL 212** is necessary for credit in **REL 211**.



REL 212

TRAINING IN CHRISTIAN DISCIPLESHIP II

Continuation of REL 211 with emphasis on development from being outer-directed disciples to becoming inner-directed leaders. *Prerequisite: REL 211.*

Spring on demand/2 hours

REL 213

A SURVEY OF CHRISTIAN EDUCATION

An introductory and survey study of Christian education, with emphasis on history, philosophy, objectives, educational techniques, and the related functions of the major program organizations of the local church. Attention also is given to the means of organized cooperation between churches.

Fall, 1986, and alternate years/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, 1987, and alternate years/3 hours

REL 253

CHRISTIAN DRAMA

See TRE 470 on page 195.

REL 302

CHURCH RECREATION See REC 303 on page 124

REL 303

BAPTIST AND AMERICAN CHURCH HISTORY

See HIS 303 on page 129.

REL 323

CHRISTIAN MISSIONS

A survey of Christian missions throughout the world, with special emphasis upon the missionary activities and techniques of Southern Baptists, usually taught by the visiting missionary-in-residence.

On demand/3 hours

REL 333

PSYCHOLOGY OF 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, 1988, and alternate years/3 hours

REL 353 CHURCH HISTORY See **HIS 353** on page 130.

REL 363 INSTRUCTIONAL MEDIA
See **EDU 363** on page 114.

REL 373 PASTORAL MINISTRY *Fall, 1987, and alternate years/3 hours*
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.

REL 383 HOMILETICS *Every Spring/3 hours*
A study of principles and practice of preaching, types of sermons, principles and procedure of sermon preparation and delivery. Students will prepare and deliver several sermons during the course. *Prerequisite: BIB 113 and 123.*

REL 393 HYMNOLOGY See **MCH 372** on page 186.
REL 396 DEPARTMENTAL TUTORING *Every semester/2 hours*
For course description see **ACC 396** on page 97.

REL 405 MINISTERIAL INTERNSHIP *Every semester/3 hours*
This field education course involves the student in one semester of service with a qualified supervisor minister in the ministry setting. An advanced internship can be arranged for the student already engaged in professional ministry and who wants further training. Internships are usually available in chaplaincy, church work (pastor, education, music, youth, etc.) Christian social ministries, student work, and other areas. *Prerequisite: REL 201, sophomore or higher.*

REL 410 CLINICAL PASTORAL TRAINING *On demand/3 hours*
This course consists of 45 hours of hospital chaplaincy experience under the guidance of a qualified hospital chaplain. The primary purpose of the course is to provide ministerial students with training in grief and crisis ministry. *Prerequisite: Senior standing, interview.*

REL 463 WORLD RELIGIONS *On demand/3 hours*
Also **PHI 463**. A study of the major religions of the world, both ancient and contemporary, with emphasis upon primitive religions: Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism, Islam, and Judaism.

TUT 300/400 VOLUNTEER TUTORING *Every semester/No credit*
For course description see **TUT 300/400** on page 98.

PHILOSOPHY

PHI 213 INTRODUCTION TO PHILOSOPHY *Every Spring/3 hours*
A survey of the types of philosophy, the basic problems which man has faced, and the philosophic attempts to solve these problems.

PHI 311 INTRODUCTION TO ETHICS *On demand/3 hours*
Introduction to Ethics, its theories and principles within the Christian perspective. Issues and application in business, religion, psychology and nursing are addressed in separate discussion sections. This course provides the foundation for further ethic inquiry.

PHI 463 WORLD RELIGIONS See **REL 463** (above).

CENTER FOR BIBLICAL STUDIES

The Department of Religion has established a Center for Biblical Studies to enlist more students in the study of Bible and religion and to render 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.

There is a special tuition fee of one-half the regular rate. See page 24 for specific financial information pertaining to those enrolled in the Center for Biblical Studies.

Samaritan College of Nursing

Department Description
Degree Requirements
Curriculum Plan
Nursing



DEPARTMENT DESCRIPTION

Samaritan College of Nursing is an integral part of Grand Canyon College, working closely with the liberal arts and natural sciences departments. The nursing program provides a curriculum which leads to the degree of Bachelor of Science in Nursing. Courses are designed to assist the student to assess individual and community health problems, formulate and plan nursing interventions and to function as a professional within the health team. Emphasis is on both a strong academic foundation and nursing practice. The student will have supervised clinical experiences in health care agencies within the metropolitan area. The student is responsible for personal transportation and uniform expenses necessary for the nursing major. Students are also expected to reflect the purpose of Grand Canyon College while representing the nursing program in the various clinical areas.

During the initial course in nursing, NUR 201, Personal and Professional Goals in Health

Care, the student applies to the nursing major. Approval of acceptance into the Samaritan College of Nursing will be determined by the Academic Standards Committee. The application procedure requires a completed application form, three personal references, successful completion of Math and English qualifying exams, satisfactory completion of Nursing prerequisites including NUR 201, and space availability. Priority for acceptance is given to students who have completed their first three semesters in residence at Grand Canyon College. Applications and deadlines are made available at the beginning of the NUR 201 course during both Fall and Spring semesters. There is an adjusted curriculum for returning R.N. students. Contacts should be made through the College of Nursing for specific information. The Samaritan College of Nursing is accredited by the Arizona State Board of Nursing and National League for Nursing.

DEGREE REQUIREMENTS

Prerequisites for Nursing

EEW 101, 102 Grammar/Composition	6 hours
CHE 101, 102 Chemistry	8 hours
PSY 213 General Psychology	3 hours
PSY 250 Growth & Development	3 hours
BIO 201, 202 Anatomy & Physiology	8 hours
SOC 213 Principles of Sociology	3 hours
BIO 205 Microbiology	4 hours
**MAT 120 Intermediate Algebra	3 hours

NUR201 Personal & Professional Goals in Health Care

2 hours
40 hours

Nursing

NUR202 Fundamentals of Nursing.....	8 hours
NUR203 Pharmacology.....	3 hours
NUR301 Concepts of Med/Surg Nursing	6 hours
NUR302 Mental Health Nursing	6 hours
NUR303 Maternity Nursing	6 hours
NUR304 Pediatric Nursing	6 hours
NUR401 Community Health Nursing	6 hours
NUR402 Advanced Med/Surg Nursing.....	6 hours
NUR403 Nursing Leadership and Management ..	6 hours
NUR404 Research, Trends and Issues	3 hours
NUR498 Senior Nursing Internship	3 hours
Total	59 hours

Requirements for Graduation

BIBLE

- *BIB 113 Old Testament History (3)
- *BIB 123 New Testament History (3)

ENGLISH

Met by nursing prerequisites

6 hours

HUMANITIES

- *PHI 311 Introduction to Ethics (3)
- *Humanities elective (3)

6 hours

SOCIAL SCIENCES

Met by nursing prerequisites (6)

9 hours

- *History (3)

SCIENCES

10 hours

Group I - *PSY 363 Statistics (3)

Group II - Met by nursing prerequisites (7)

PHYSICAL EDUCATION

2 hours

- *Different activity courses (2)

*JANUARY TERM

9 hours

*Hours not met in nursing prerequisites —TOTAL 32 hours

**Based on high school math background, MAT 095 or MAT 120 may be recommended

Total prerequisites for nursing.....	40 hours
Total Nursing major courses	59 hours
Total requirements for graduation.....	29 hours
TOTAL REQUIREMENTS FOR GRADUATION	128 hours

SUGGESTED CURRICULUM PLAN**FRESHMAN**

Fall		Spring	
Grammar/Composition (EEW 101)	3	Composition/Literature (EEW 102)	3
Anatomy & Physiology (BIO 201)**	4	Anatomy & Physiology (BIO 202)	4
Chemistry (CHE 101)	4	Chemistry (CHE 102)	4
Intermediate Algebra (MAT 120)***	3	General Psychology (PSY 213)	3
Physical Education*	1	Physical Education*	1
	15 cr		15 cr

SOPHOMORE

Fall		Spring	
Goals in Health Care (NUR 201)	2	Fundamentals of Nursing (NUR 202)	8
Microbiology (BIO 205)	4	Probability & Statistics (PSY 363)*	3
Growth & Development (PSY 250)	3	Introduction to Pharmacology (NUR 203)	3
Bible or History*	3	Bible or History*	3
Principles of Sociology (SOC 213)	3		17 cr
	15 cr		

January Term — 3 cr

JUNIOR

Fall		Spring	
Concepts of Med/Surg Nursing (NUR 301)	6	Maternity Nursing (NUR 303)	6
Mental Health Nursing (NUR 302)	6	Pediatric Nursing (NUR 304)	6
Bible or History*	3	Humanities Elective*	3
	15 cr		15 cr

January Term — 3 cr

SENIOR

Fall		Spring	
Community Health Nursing (NUR 401)	6	Nursing Leadership/Management (NUR 403)	6
Advanced Med/Surg Nursing (NUR 402)	6	Research, Trends & Issues (NUR 404)	3
Introduction to Ethics (PHI 311)*	3	Senior Nursing Internship (NUR 498)	3
	15 cr		12 cr

January Term — 3 cr

**TOTAL HOURS FOR
BACHELOR OF SCIENCE IN NURSING:**

128 HOURS

* Required for graduation, not a prerequisite to nursing major

** Zoology (BIO 182) is a prerequisite if no high school biology

*** Based on high school math background, MAT 095 or MAT 120 may be recommended

NURSING

NUR 201 PERSONAL AND PROFESSIONAL GOALS

IN HEALTH CARE

Every semester/2 hours

Offers an overview of the nursing profession and the interaction between nursing and other health care professions. The evolution of nursing education, practice, trends, and issues are discussed. The processes of communication, helping, problem solving, teaching/learning, and leadership as essential components of nursing practice are presented. Beginning research into a current health care issue is included. This course is required prior to entering the health care field. *Prerequisites: Completion of 30 semester hours and approval of instructor.*

NUR 202 FUNDAMENTALS OF NURSING

Every semester/8 hours

Presents basic nursing care of an individual requiring hospitalization for an acute or chronic illness. Concepts from physical and social sciences, pharmacology, and nutrition are applied. General medical/surgical nursing principles are integrated. The individual's cultural, spiritual and developmental needs are considered in teaching and planning toward optimal wellness. *Prerequisite: NUR 201.*

NUR 203 INTRODUCTION TO PHARMACOLOGY

Every semester/3 hours

Overview of major drugs utilized in prevention, treatment and diagnostic study of disease. Emphasis is on knowledge of drug classifications, actions, and therapeutic use in nursing. The course is available for non-nursing majors. *Prerequisite: 1 semester biology or chemistry.*

NUR 301 CONCEPTS OF MEDICAL-SURGICAL NURSING

Every semester/6 hours

Presents theory common to medical-surgical nursing of hospitalized adults. Content includes care of patients with acute, chronic and terminal medical-surgical problems. Assessment, pharmacology and pathophysiology are integrated.

NUR 302 MENTAL HEALTH NURSING

Every semester/6 hours

Presents human behavioral dysfunction as part of the mental health wellness-illness continuum. Content includes adaptive/maladaptive behavior as influenced by individual, family, cultural and other environmental aspects. Emphasis is on therapeutic communication and interpersonal relationship skills. *Prerequisites: NUR 202.*

NUR 303 MATERNITY NURSING

Every semester/6 hours

Family-centered nursing for the childbearing phase of life is emphasized. Content includes the normal phenomena and complications of pregnancy, birth and the post-natal period. In patient and out patient settings are utilized to provide care for patients and families. *Prerequisite: NUR 301, 302.*

NUR 304 PEDIATRIC NURSING

Every semester/6 hours

An integration of nursing theories, concepts of care, clinical skills, and developmental principles involved with the promotion of health and well-being in infants, children and adolescents. Focus is on the physical/developmental/environmental assessment and the clinical application of nursing care to young persons who are well or experiencing acute, episodic or chronic illnesses and to their families. *Prerequisite: NUR 301, 302.*

NUR 323**WOMEN'S HEALTH**

The course is designed to explore the spectrum of healthy women in our society. The social, biological, psychological and spiritual characteristics of the healthy women are identified as documented in current literature and are critically analyzed by the student. Scheduled field experiences highlight options for women in the health care settings. This course is open to the non-nursing major. *Prerequisite: PSY 213.*

January Term on demand/3 hours

NUR 396**DEPARTMENTAL TUTORING**

For course description see **ACC 396** on page 97.

Every semester/2 hours

NUR 401**COMMUNITY HEALTH NURSING**

An epidemiological model provides the framework for studying community health problems. Concepts of public health nursing are applied to the care of families, groups and populations. *Prerequisite: NUR 303, 304.*

Every semester/6 hours

NUR 402**ADVANCED MEDICAL-SURGICAL NURSING**

This course presents the complex nursing care of the medical-surgical adult in the intensive care area and emergency room. Pathophysiology and related nursing care of life threatening disruptions involving cardiac, respiratory, neurological, renal, gastrointestinal, other organ dysfunctions are covered in theory and clinical situations. *Prerequisite: NUR 304.*

Every semester/6 hours

NUR 403**NURSING LEADERSHIP AND MANAGEMENT**

Presents purposes and methods of leadership styles within the clinical setting. Emphasis is on the management of groups of patients, consumers and professional staff. Content includes: planning and evaluating nursing care, supervising personnel, developing education skills, understanding organizational budgets and finances and identifying common problems encountered in the professional leadership role. *Prerequisites: NUR 401, 402.*

Every semester/6 hours

NUR 404**RESEARCH, TRENDS AND ISSUES IN NURSING**

The research process is presented as a framework for analysis of clinical practice, legislation, nursing trends, and health care services. Quantitative and qualitative methods of research are introduced by critiquing of studies and independent projects. Content includes: research in nursing affecting health care, ethics, nursing manpower, professional writing and expanded roles for nurses. *Prerequisites: NUR 401, 402.*

Every semester/3 hours

NUR 498**SENIOR NURSING INTERNSHIP**

Provides a student selected clinical experience to optimize the transition to a professional career. Nursing specialty areas are chosen according to preceptor availability and student interest. A faculty member assists in planning, implementing and evaluating the learning experience. *Prerequisite: NUR 403.*

Every semester/3 hours

Reserve Officers Training Corps

Department Description
Air Force ROTC
Aerospace Studies
Army ROTC
Military Science



DEPARTMENT DESCRIPTION

Through an agreement with Arizona State University at Tempe, Arizona, students at Grand Canyon College can take freshman and sophomore classes in ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University.

The goal of the ROTC classes is to provide a foundation of

military knowledge and skills needed by junior officers in the military. Students may take ROTC credit in (Army) Military Science or (Air Force) Aerospace Studies.

For further information contact ASU Army ROTC at 965-3318/19 or Air Force ROTC at 965-3181.

AIR FORCE ROTC

Purpose

The Aerospace Studies curriculum consists of the General Military Course (GMC) for freshmen and sophomores and the Professional Officer Course (POC) for juniors and seniors. Through an arrangement with Arizona State University at Tempe, students at Grand Canyon College can take the GMC and the POC at Arizona State University. Upon receiving a four-year bachelor's degree and completion of the POC at any university offering Air Force ROTC, the student will receive a commission as a Second Lieutenant in the Air Force.

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 GMC. Students register for Air Force ROTC at the same time and in the same manner as other courses. During their first two years, students enroll in the GMC normally taking one Aerospace Studies course each semester. AFROTC 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. Students must apply for the POC and be accepted before enrolling in POC classes. Those students accepted will attend a four-week field training encampment at an Air Force base 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 as a Second Lieutenant.

Two-Year Program

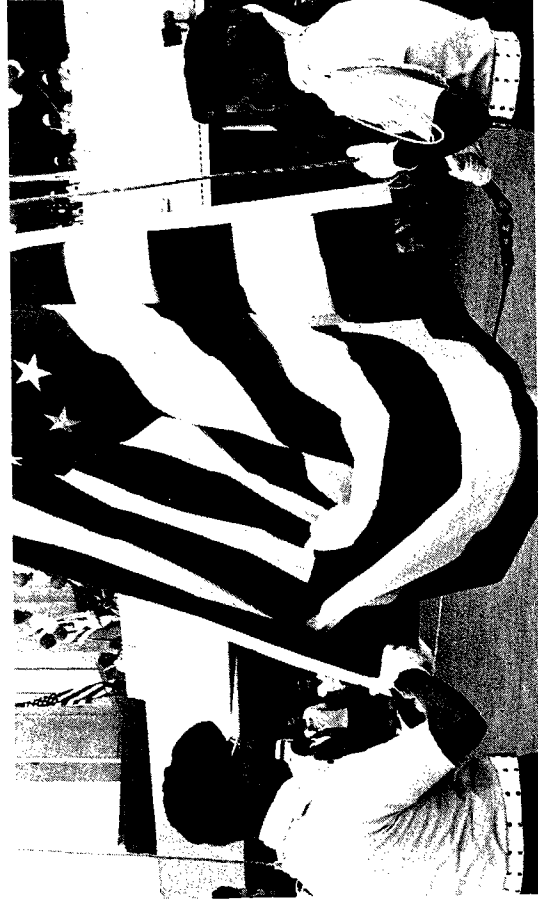
Students who have not taken the first two years of AFROTC may still compete for entry into the Professional Officer Course. Applicants must have at least two academic years of college work remaining, either at the under-graduate or graduate level. The selection process for the POC is the same as described 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) are:

1. For the four-year student, successfully complete the General Military Course and a four-week field training course, or for the two-year applicant, complete a six-week field training course.
2. Complete the Air Force Officer Qualifying Test (AFOQT).
3. Pass the Air Force physical examination.
4. Maintain a minimum grade point average of 2.0 ("C").

Pay and Allowances

POC members in their junior and senior years receive \$100 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 13 hours of free flight training while in school.

Scholarships

Air Force ROTC offers scholarships to outstanding young men and women on a nationwide competitive basis. Scholarships cover full college tuition as well as books, fees, and a monthly tax-free allowance of \$100. 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 1st 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. Officer slots available in the AFROTC include pilot, navigator, missileman, technical field and nontechnical fields. For more information contact AFROTC at 965-3181.

AEROSPACE STUDIES

AES 101 AEROSPACE STUDIES *2 credits/1 period*
Introduction to U.S. Air Force organization, mission, doctrine, offensive and defensive forces. *Prerequisites: None.*

Leadership Laboratory *0 credits/1 period*
Required for all students enrolled in AES 101. Orients student in drill and ceremonies proper wear of the Air Force uniform and customs and courtesies observed in the Air Force. *Prerequisites: None.*

AES 102 AEROSPACE STUDIES *2 credits/1 period*
Background on strategic missile defense forces, general purpose and aerospace support forces in national defense. *Prerequisites: None.*

Leadership Laboratory *0 credits/1 period*
Required for all students enrolled in AES 102. Orients student in drill and ceremonies, proper wear of the Air Force uniform and customs and courtesies observed in the Air Force. *Prerequisites: None.*

AES 201 AEROSPACE STUDIES *2 credits/1 period*
Historical survey of events, trends, and policies leading to the emergence of air power through World War II. *Prerequisites: None.*

Leadership Laboratory *0 credits/1 period*
Required for all students enrolled in AES 201. Orients student in drill and ceremonies, proper wear of the Air Force uniform and customs and courtesies observed in the Air Force. *Prerequisites: None.*

AES 202 AEROSPACE STUDIES *2 credits/1 period*
Development of aerospace power from World War II to the present emphasizing the impact of limited war and technology on roles and missions.

Leadership Laboratory *0 credits/1 period*
Required for all students enrolled in AES 202. Orients student in drill and ceremonies, proper wear of the Air Force uniform and customs and courtesies observed in the Air Force. *Prerequisites: None.*

AES 301 AEROSPACE STUDIES *3 credits/2 periods*
An integrated management course emphasizing the individual as a manager in an Air Force milieu. Individual motivational and behavioral processes, leadership, communication, and group dynamics are covered.

Leadership Laboratory *0 credits/1 period*
Practical leadership experience which will improve a cadet's ability to perform as an Air Force officer.

AES 302 AEROSPACE STUDIES *3 credits/2 periods*
Organizational and personal value, management of forces in change, organizational power, politics, managerial strategy and tactics. Two lectures.

Leadership Laboratory *0 credits/1 period*
Practical leadership experience which will improve a cadet's ability to perform as an Air Force officer.

AES 401 AEROSPACE STUDIES *3 credits/2 periods*
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

Leadership Laboratory

Practical leadership experience which will improve a cadet's ability to perform as an Air Force officer.

0 credits/1 period

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.

3 credits/2 periods

Leadership Laboratory

Practical leadership experience which will improve a cadet's ability to perform as an Air Force officer.

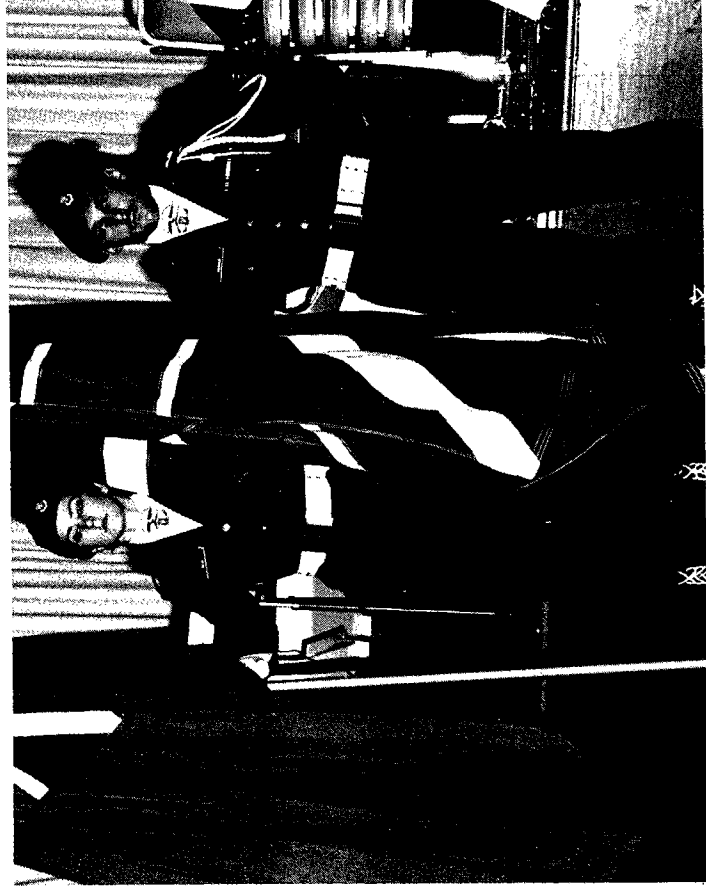
0 credits/1 period

AES 403

FLIGHT INSTRUCTION

Limited to senior cadets who are selected as pilot candidates.

0 credits



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 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 30. Students with prior active military service will be given credit for the first two years of the program.

Qualifications for Advanced Course

Qualifications for admittance to the Advanced Course are:

1. Successful completion of the first two years of the program, or equivalent credit (prior military service, or ROTC Basic Camp).
2. Credit is given for prior military service.
3. Passing of the ROTC Qualifying Examination.
4. Passing the Army physical examination.
5. 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 or in the Regular Army.

Two-Year Program

Students must have two academic years of college 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 and the Army physical examination. After successfully completing a five-week basic summer camp at Ft. Knox, Kentucky (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 may enter the two-year program without attending basic camp.

Financial Assistance Programs

Subsistence Allowance. All contracted Advance Course students receive \$100 per month during the academic year plus approximately \$700 for Advanced Camp completion.

Scholarships. Grand Canyon students are eligible to apply for three- and two-year Army ROTC scholarships. All ROTC scholarships pay all tuition, fees, books, academic supplies and \$100 per month during the academic year.

Three-Year and Two-Year Scholarships. Available to qualified college students. Previous military or ROTC experience is not necessary.

Simultaneous Memberships Program. A newly authorized program which allows membership in the Army Reserve or National Guard at the same time a student is in ROTC. This new program pays over \$1000 each semester the student attends college.

Pay and Allowances

Advanced Course students in their junior and senior years receive \$100 per month for the 20 months of enrollment in the Advanced Course. The students also receive one-half the pay for 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 to and from the camp. Students who enter the two-year program will receive the pay of an Army recruit during attendance at the basic summer camp as well as reimbursement for travel to and from the camp.



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 may 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.

MILITARY SCIENCE

MIS 101 INTRODUCTION TO MILITARY SCIENCE *2 hours*

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.

MIS 102 METHODS OF INSTRUCTION *2 hours*

Learning theories and principles of instruction; development of instructor knowledge, skills, and attitudes; instructional aids; student presentations. One lecture-conferences and 1 two-hour leadership lab.

MIS 203 LAND NAVIGATION AND SURVIVAL *2 hours*

Use of maps, orienteering and land navigation, fundamentals and problems. Basic outdoor survival techniques. Two lecture-conferences, 1 two-hour lab.

- MIS 204 LEADERSHIP AND MANAGEMENT DEVELOPMENT** 2 hours
Interdisciplinary approach to leadership and management and effective techniques for decision-making studies. One lecture-conference, 1 two-hour lab.
- MIS 301 ADVANCED MILITARY SCIENCE** 3 hours
Theory, organization, and dynamics of military forces in combat operations; small unit offensive and defensive tactics. *Prerequisites: MIS 203 and 204, or equivalent.* Two lectures-conferences, 2 hour Leadership Practical Application Lab.
- MIS 302 ADVANCED MILITARY SCIENCE** 3 hours
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.* Two lectures-conferences, 2 hour Leadership Practical Application Lab.
- MIS 303 ADVANCED MILITARY SCIENCE** 2 hours
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 301 and 302.* Two lectures-conferences, 1 hour Leadership Practical Application.
- MIS 401 ADVANCED MILITARY SCIENCE** 2 hours
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, 2 hour Leadership Practical Application Lab.

Personnel

Trustees
Administration
Staff
Faculty
Adjunct Faculty



Grand Canyon College



BOARD OF TRUSTEES 1986-87**One Year Term expiring 1986:**

Mr. L. E. "Sharky" Baker
 Dr. Charlotte Bellah
 Mr. Don Browning
 Rev. John Davis
 Mr. Gerold Horst
 Mr. Ken Miller
 Mr. Henry Ong
 Mr. Jerry Sowell
 Mr. Harold Vangilder
 Mrs. Colleen Womack

Two Year Term expiring 1987:

Mr. John Auvenshine
 Mrs. Jean Baker
 Mr. Gaylon Cothorn
 Dr. Tommy Foster
 Mr. David Groseclose
 Mr. Jalma Hunsinger
 Miss Marlene Klotz
 Mr. Darrell Lewis
 Mr. Darrell Tramel
 Ms. Mary Jo West

Three Year Term expiring 1988:

Mr. R. Eugene Anderson
 Rev. Thane Barnes
 Mr. Sam Cameron
 Mr. LeeRoy Gudgeon
 Mr. Bill Kimmel
 Dr. John Misenheimer
 Mr. Jim Parrish
 Dr. Edgar N. Stone
 Rev. Tommy Thomas
 Rev. William Weide

Ex-Officio:

Dr. Jack Johnson, Executive
 Director-Treasurer, ASBC
 Rev. Si Davis, President
 ASBC

ADMINISTRATION**President**

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D.
 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 and
 Utah University

Administrative

Larry Olson, B.S., Ph.D.

B.S., Baylor University/Ph.D., University of Pennsylvania/Postdoc-
 toral Research Fellow, University of Illinois/Visiting Research
 Professor, University of Houston and Rice University

Academic Dean**Vice President
Development
and Planning**

Carl G. Paetz, B.S., M.A., Ed.D.

B.A., Iowa State University/M.A., University of Iowa/Ed.D., Univer-
 sity of Oregon

Dean of Nursing

Tina Olson, B.S.N., M.S.N., Ed.D.

B.S.N., M.S.N., University of Pennsylvania/Ed.D., Baylor College of
 Medicine/University of Houston

**Dean of College
of Education**

Patty Horn, B.S., M.A., Ed. D.

B.S., University of Oklahoma/M.A., Northern Arizona University/ Ed.
 D., Arizona State University

Dean of Students/ Director of Placement	Treva K. Gibson, B.A., M.Ed. B.A., Southern Illinois University of Missouri/Doctoral Candidate, Arizona State University
Athletic Director/ Baseball Coach	Gil Stafford, B.A., M.S. B.A., M.S., Arizona State University
Registrar	Mary Johnson, B.G.S. B.G.S., Grand Canyon College
Controller	Dianne Dinkel, B.S. B.S., Grand Canyon College
Head Basketball Coach	Paul Westphal, B.S. B.S., University of Southern California
Director of Computer Center/ Director of Institutional Research	Barry Thompson, B.S. B.S., Grand Canyon College
Director of Financial Aid	John Medley, B.S. B.S., Grand Canyon College
Director of Annual Funds	Carolyn Wemp, B.A. B.A., Liberty Baptist College
Director of Special Projects	Joyce Parker, D.P.S. D.P.S., Grand Canyon College
Special Assistant to the President	Arthur Tyson, B.A., M.A., L.L.D. B.A., Baylor/M.A., Southern Methodist/Honorary L.L.D., East Texas Baptist

STAFF

Jim Allen	Tennis Coach, Mens
Keith Baker	Sports Information Director
Ken Balch	Financial Aid Technician/Veterans Counselor
Garrick Bar	Asst. Basketball Coach
Mari Basham	Head Cashier
Reva Beard	Secretary for Development
Cari Berg	Resident Director of Weidenaar
Dorothy Bickers	Secretary to Registrar
Marlene Bjornsrud*	Women's Tennis Coach/Adjunct P.E.
Brad Bohon	Food Service Director
DeLayne Booher	Staff Writer
Leigh Ann Bruce	Asst. Cashier
Louis Edward Burdick	H.V.A.C. Mechanic
Toby Carlson	Office Supervisor/Mailroom Coordinator
Neal Case	Custodian
Ralph Cavazos	Grounds Supervisor
Aurora Cruz	Financial Aid Technician

Beth Dalton*	Asst. Prof. P.E./ Women's Volleyball Coach
Eugene Davis	Painter
Dianne Dinkel	Controller
Jeffrey Dinkel	Asst. Director of Student Recruitment
Jerry Edwards	Groundsman
Bob Endsley	Building Maintenance Supervisor
Edythe (Edy) Feazel	Associate Director of Library Services
Scott Foster	Financial Aid Office Mgr./Scholarship Coordinator
Michelle Fredrick	Asst. to the Registrar
Marie Friesen	Cook
Ken Gallatin	Custodial/Maintenance
Treva Kay Gibson	Dean of Students
Clara Gilmore	Nurse
Robert Glass	V.P. for Estate/Financial Planning
Martha Goodwin	Administrative Asst. to Student Development
Gary Gregory	Journeyman Carpenter
Patricia Groseclose	Print Shop Manager
Jane Grossnickle	Associate Director of the Library
Diana Harris	Library Bookkeeper/Secretary
Joe Harris	Promo. Athletic Dept.
Val Harvey	Administrative Asst. to Dean of Nursing
Kim Hecht	Custodian
Kurt Hemphill	Asst. Controller
Jo Hodges	Library Technical Assistant
Dorothy Hoffman	Administrative Asst. to the Dean of Education
Party Horn*	Dean of Education, Professor of Education
Herb Howard	Utility Man
Janet Howard	Exec. Asst. to the President
Tami Jagels	Secretary to Controller
Thor Jansgard	Carpenter
Mary Johnson	Registrar
Renee Jones	Academic Counselor/Data Entry Personnel
Donnell Kimsey	Academic Counselor/Recruiter
Lori Longo	Credit and Collections
Donald Lusk	Electrician
Julie Denise Malcolm	Supervisor of Nursing Skills Lab
James Martin	Campus Security Officer
C. W. MacIntyre	Landscaper
Mary McMullen	Music Department Secretary
John Medley	Director of Financial Aid
Lori Myers	Apartment Manager
Sandy Muff	Director of Personnel Services
Mary Muncy	Boys Dorm Director
Cinda Nation	Secretary for Special Projects
Joanne Forsy-Nelson	Work Study Coordinator
Jaci Norton	Business Office Manager
Robert Norton	Accounts Payable
Sheila O'Connor	Secretary of Public Relations
Janie L. O'Donnell	Library Technical Assistant
Larry Olson*	Academic Dean/Admin. V.P., Prof. of Chemistry
Tina Olson*	Dean of Nursing, Assoc. Prof. Nursing

Carl G. Paetz	Vice President for Development & Planning
Tim Painter	Bookstore Manager
Joyce Parker	Director of Special Projects
Joann Parrott	Executive Secretary for Planning & Development
John Pierson*	Asst. Baseball Coach/Adjunct P.E.
Tim Plummer	Computer Programmer
Cathy Poplin	Director of Resource Learning Center
Carol Pugh	Secretary Religion Dept.
Philip Pupanek	Fire Safety/Security Chief
Robyn Ratcliff	Director of Student Activities
Ernie Reid	Fiscal Office/Financial Aid
Margey Richards	Public Service Librarian
Joanne Sanders	Asst. Dir. Student Recrt./Asst. Tennis Coach
Linda Sisco	Associate Dean for Resident Life
Carl Snider	Head Custodian
William Snyder	Apartment Maintenance Supervisor
Beverley Spitzer*	Asst. Professor C.J./Dir. of Alumni
Gil Stafford	Baseball Coach/Athletic Director
Amy Stensrud	College of Nursing Secretary
Marilyn Sullivan	Admin. Asst. to Academic Dean
Lisa Temple	Asst. to the Academic Dean
Barry Thompson	Dir. of Compt. Serv./Institutional Research
Carolyn Wemp	Director of Development
Jan West	Adm. Asst. to Physical Plant Director
Paul Westphal	Head Basketball Coach
Dr. Bill Williams*	President, Prof. of Mathematics
Becky Witherspoon	Lab. Supv./Dept. Sec. Science and Math
Larry Wanner	Custodial Supervisor
John Zolinski	Dir. of Physical Plant and Facilities

*Also listed as Faculty



ADJUNCT FACULTY

- Ray Adams, B.A., M.Div.** Religion/History
B.A., Grand Canyon College/M.Div., Southern Baptist Theological
Seminary
- Tim Barone, B.S., BSMT.** Microbiology
B.S., Grand Canyon College/BSMT., Arizona State University
- Betty Beck, B.A., M.A., Ph.D.** English
B.A., DePaul University/M.A., Ph.D., University of Oklahoma
- Patricia Beck, B.A., M.A.** French/Business
B.A., Michigan State/M.A., American Graduate School of International
Management
- Donald Boehmer, B.S., M.S.** Economics
B.S., M.S., Southern Illinois University
- Rocio Bond, B.A.** Spanish
B.A., Grand Canyon College
- John Booth, B.A., Th.M., Th.D.** Sociology
B.A., University of Richmond/Th.M., Th.D., Dallas Theological Seminary/
Additional Graduate Study, Arizona State University
- Susan Chu, B.A., M.M.** Music
B.A., National Taiwan University/M.M., Northwestern University
- Nancy Clauter** Music
- Sheila Corley, B.S., M.M.** Music
B.S., Grand Canyon College/M.M., Arizona State University
- Bette Eden, B.A., M.A., Ed.D.** Education
B.A., Lindenwood College/M.A., Ed.D., Arizona State University
- Debbie Ermoian, B.S., M.S.** Mathematics
B.S., Grand Canyon College/M.S., Arizona State University
- Cindy Galles** Physical Education
- Duane Given, B.A., M.Ed.** Education
B.A., Northern Iowa University/M.Ed., Shippensburg State College
- Leo Hallahan, B.A., M.Ed.** Education
B.A., Loras College/M.Ed., University of Arizona
- Richard Hamilton** Physical Education
- Elizabeth Hostetter, B.M., M.M.** Music
B.M., M.M., University of Louisville
- Shirley Johnson, B.S., M.S.** Geography
B.S., State College, North Dakota/M.S., Arizona State University
- Janet Klann, B.A., M.Ed.** English
B.A., Grand Canyon College/M.Ed., Arizona State University
- Mitchell Laird, B.S., J.D.** Business Law
B.S., Grand Canyon College/J.D., Arizona State University
- Kathy Lindholm-Lane, B.S., M.F.A.** Theatre
B.S., Eastern Michigan University/M.F.A., Arizona State University
- Glen Law, B.A., M.A.** Journalism
B.A., University of Tulsa/M.A., Arizona State University
- Jill Marderness** Music

- DeeAnn McAllister, B.M.E., M.M.** Music Education
B.M.E., Wartburg College/M.M., Arizona State University
- Robert McAllister, B.S., M.I.M.** Music
B.S., Ohio State University/M.I.M., Arizona State University
- Pat Meyers, B.A., M.S.** English
B.A., Kent State University; M.S., Arizona State University
- Tommie Miel, B.S., M.A.** Mathematics
B.S. University of Georgia/M.A., Arizona State University
- Chuck Morrison, B.A., M.M.** Music/Voice
B.A., Marshall University/M.M., Michigan State University
- Carol Nicholay, B.S.** Training and Development
B.S., Grand Canyon College
- Constance Pinney, B.A.** Business
B.A., Case Western Reserve University/Graduate work at University of Pittsburgh
- Charles Poole, B.A., M.S.** Criminal Justice
B.A., Kent State University/M.S., Arizona State University
- Jane Preston, B.B.A., M.B.A.** Word Processing
B.B.A., M.B.A., West Texas State University
- J. Niles Puckett, B.A., L.L.B., Th.M., Th.D.** Religion
B.A., Mississippi College/L.L.B., Cumberland University/Th.M., Th.D., Southern Baptist University
- Jean Robinson, B.M., M.M., D.M.A.** Music
B.M., Lawrence University/M.M., University of Michigan/D.M.A., University of Arizona
- Tom Wallace, B.A., M.A.** Language
B.A., Marshall University/M.A., Michigan State University
- Betty Youngs, B.A., M.A.** English
B.A., George Peabody College/M.A., Arizona State College/Additional Graduate Study: Columbia University Teachers College



Paul Youngs, B.A., B.D., Th.M., M. Nat Sci 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

Robert Zenor, B.S., M.S., M.A. Mathematics
 B.S., Northeastern State, M.S., Arizona State University/ M.A., University of Utah

FACULTY

The list of faculty is in alphabetical order by the faculty member's name.

Diana Alderman, B.F.A., M.F.A. Asst. Professor of Art
 B.F.A., Radford University/M.F.A., Pennsylvania State University

Mike Baird, B.A., M. Div. Professor of Religion
 B.A., Grand Canyon College/M. Div., Ph.D., Southwestern Baptist Theological Seminary

Wendal Bond, B.A. Instructor of Art
 B.A., Grand Canyon College

David Brazell, B.S., M.S., Ed. D.
 Professor of Health and Physical Education
 (Also **Chairman of Department of Health and Physical Education**)
 B.A., University of Central Arkansas/M.A., Ed.D., Arizona State

Mildred Brazell, B.A., M.A., Ph.D.
 Professor of Health and Physical Education
 B.A., University of Central Arkansas/M.A., Ed.D., Arizona State

Ralph Bryan, B.S., M.A., Ph.D. Professor of English
 (Also **Chairman of Department of Humanities**)
 B.S., M.A., Arizona State University/Ph.D. University of Colorado

Beth Dalton, B.S., M.S.
 Asst. Professor of Health and Physical Education
 (Also **Women's Volleyball Coach**)
 B.S., Liberty Baptist College/M.S., Middle Tennessee State University

Kaye Dillon, B.S., M.A. Asst. Professor of Speech
 B.S., Grand Canyon College, M.A., Arizona State University

Cheryl Doan, B.S., M.M. Asst. Professor of Music
 B.S., M.M., North Texas State University

Stephen T. Donohue, B.A., M.A., Ed.D.
 Professor of Psychology
 B.A., M.A., Ed.D., New Mexico State University

Debbie Ermoian, B.S., M.M. Instructor of Mathematics
 B.S., Grand Canyon College/M.M., Arizona State University

Jean Foote, B.S.N., M.S.N. Assoc. Professor of Nursing
 B.S.N., University of Minnesota/M.S.N., University of Maryland

Peter Frischmann, B.A., M.B.A. Asst. Professor of Accounting
 B.S., Utica College of Syracuse University/M.B.A., University of Michigan

Elizabeth Gilbert, B.S.N., M.S.N. Assoc. Professor of Nursing
 B.S.N., Union College/M.S.N., Loma Linda University

Janice Goodner, B.S., M.M. Asst. Professor of Music
 B.S., Grand Canyon College/M.M., Arizona State University

Nevin Grossnickle, B.S., M.S., Ph.D. Assoc. Professor of Biology
B.S., University of Michigan/M.S., University of Wisconsin-Milwaukee/
Ph.D., University of Wisconsin-Madison

Steve Havriliak, B.S., Ph.D. Asst. Professor of Chemistry
B.S., Widener College/Ph.D., State University of New York at Buffalo

Barbara Hoffman, B.S., M.A., Ph.D. Professor of History
(Also Chairman of Department of History and Social Sciences)
B.S., M.A., Central Missouri State University/Ph.D., University of
Colorado

David M. Holley, B.A., M.Div., Ph.D. Professor of Philosophy & Religion
B.A., Baylor University, M.Div., Southern Baptist Theological Seminary,
Ph.D., University of Texas

Patty Horn, B.S., M.A., Ed.D. Professor of Education/Director of Teacher Training
(Also Dean of the College of Education)
B.S., University of Oklahoma/M.A., Northern Arizona University/Ed.D.,
Arizona State University

John Howerton, B.A., M.A., M.Div. Assoc. Professor of History
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. Jones, B.A., M.A., Ph.D. Professor of Business
B.A., University of Arizona/M.A., Ph.D., Arizona State University

Ed Knecht, B.S., B.A., M.B.A. Asst. Professor of Accounting
B.S., B.A., Northern Arizona University/M.B.A., Arizona State University

Judy S. Lively, B.M., M.M., D.M.A. Asst. Professor of Music
B.M., Texas Christian University/M.M., Southern Methodist
University/Graduate work toward DMA, North Texas State University

Earl Logan, B.A., M.M., Ph.D. Assoc. Professor of Music
B.A., M.M., Ph.D., Arizona State University



Bruce Lundberg, B.A., M.A. Asst. Professor of Mathematics
B.S., Grand Canyon College/M.A., Arizona State University/M.A., Fuller
Theological Seminary

D. C. Martin, B.A., Th.M., M.R.E., Th.D. Professor of Religion
(Also **Chairman of Department of Religion**)
B.A., Wake Forest College/Th.M., M.R.E., Southwestern Baptist Theo-
logical Seminary/Th.D., New Orleans Baptist Theological Seminary

Charles Maxson, B.A., M.A., Ph.D. Professor of Sociology
B.A., Westmont College/M.A., Ph.D., UCLA

Barbara (Hintze) Miller, B.S., M.C.S.
..... Assoc. Professor of Computer Science
B.S., Grand Canyon College/M.C.S., Colorado State University

Erdie Morris, B.S., M.A., Ph.D., M.P.H. Professor of Biology
B.S., M.A., Arizona State University/Ph.D., Purdue University/M.P.H.,
University of California Berkeley

Nelda Nelson, B.S.N., M.S.N. Assoc. Professor of Nursing
B.S.N., Murray State University/M.S.N., University of Virginia

Randy Oakes, B.A., M.A., Ph.D. Asst. Professor of English
B.A., Guilford College/M.A., University of North Carolina/Ph.D.,
University of Georgia

Larry Olson, B.S., Ph.D. Professor of Chemistry
(Also **Academic Dean/Administrative Vice President**)
B.S., Baylor University/Ph.D., University of Pennsylvania/Postdoctoral
Research Fellow, University of Illinois/Visiting Research Professor, Univer-
sity of Houston and Rice University

Tina Olson, B.S.N., M.S.N., Ed.D. Assoc. Professor of Nursing
B.S.N., M.S.N., University of Pennsylvania/Ed.D., Baylor College of
Medicine, University of Houston

Josephine Ong, B.A., B.S., M.S. Asst. Professor of Chemistry
B.S., University of the Philippines/B.A., Arizona State University/M.S.,
Indiana State University

Paul Paige, B.M., M.M., Ph.D. 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.

Petru Papadopol, M.S., Ph.D. Assoc. Professor of Mathematics
M.S., Ph.D., University of Bucharest, Romania

Claude Pensis, B.S., M.F.A.
..... Assoc. Professor of Drama/Director of Theatre
B.S., University of Wisconsin-Oshkosh/M.F.A., University of Wisconsin-
Madison

Donna Person, B.S.N., M.A., M.S.N. Instructor of Nursing
B.S.N., Augustana College/M.A., University of South Dakota/M.S., South
Dakota State University

Ron Phillips, B.A., M.A. Assoc. Professor of Music
(Also **Acting Chairman of Performing Arts Department**)
B.M., M.M., Michigan State University

Mavis Pust, B.A., M.A. Asst. Professor of Spanish
B.A., Grand Canyon College/M.A., Arizona State University

Pamela Randolph, R.N., B.S.N., M.S., P.N.P.
..... Instructor in Clinical Pediatrics
P.N. R.N. M.S. P.N.P. Arizona State University

Marlene Rausch, B.S.

..... Instructor of Music, Resident Ensemble Coordinator
B.S., Wayne State University

Colleen Scheck, B.A., M.A., M.F.A.

..... Asst. Professor of Art/Coordinator of Art Dept.
B.A., Rosary College/M.A., Northern Illinois University/M.F.A., Northern Illinois University

Jeanne Siebenman, B.S., M.A., Ed.D. ... Assoc. Professor of Education
B.A., M.A., Ed.D., Arizona State University

Ronald Spatler, B.S., M.B.A., D.B.A. Professor of Marketing
B.S., M.B.A., D.B.A., Indiana University

Beverly Spiter, B.S., M.S. Asst. Professor of Criminal Justice
B.S., Grand Canyon College/M.S., Arizona State University

Cathy Stafford, B.A., M.A. Asst. Professor of Education
B.A., M.A., Arizona State University

Charlotte Stephenson, B.S., M.R.E., M.S. Asst. Professor of Nursing
B.S., Texas Woman's University/M.R.E., New Orleans Baptist Theological Seminary/M.S., Texas Woman's University

Beverly W. Taylor, B.S., M.A., Ph.D. Professor of Educational Psychology
B.S., Wartburg College/M.A., University of Northern Iowa/Ph.D., University of Iowa



Marjorie VanderLinden, B.S.N., M.S.N.,

..... Assoc. Professor of Nursing
B.S.N., Arizona State University/M.S.N., Texas Women's University

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D.

..... Professor of Mathematics
(Also President of the College)
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

Tracy Williams, B.S. Instructor of Music
B.S., Grand Canyon College

David Wing, B.S., Ph.D. Professor of Chemistry
B.S., Wheaton College/Ph.D., Northwestern University/Postdoctoral
Research Fellow, St. Louis University and Washington University

Jim Witherspoon, B.S., M.S., Ph.D. Professor of Biology
(Also Chairman of Department of Natural Sciences and Mathematics)
B.S., M.S., Ph.D., Purdue University/Additional Graduate Study: Arizona
State/Baylor Medical College

Shirley Wong, B.S.N., M.S.N. Assoc. Professor of Nursing
B.S.N., M.S.N., Indiana University

Carole J. Young, B.A., M.A., Ph.D. Asst. Professor of Psychology
B.A., Spring Arbor College/M.A., Ph.D., Arizona State University

Clark Youngblood, B.A., M.Div., Ph.D. ... Assoc. Professor of Religion
B.A., Hardin-Simmons University/M.Div., Ph.D., Southern Baptist
Theological Seminary

Index



A

Absences, chapel, 45
 Class, 71
 Academic Calendar, 6, 7
 Academic Regulations
 Change of courses, 69
 Classification of students, 64
 Course load, 68
 Grading system, 65
 Honor roll, 48
 Probation, 70
 Suspension, 70
 Transcript of credits, 25, 58
 Withdrawal, 28, 53, 66, 69
 Accounting, 96
 Major and Minor in, 90, 91
 Accreditation of College, 12
 Activities, eligibility for, 45
 Student organizations, 45
 Traditional events, 54
 Administration and personnel, 221
 Board of Trustees, 222
 Administration, 222
 Administrative staff, 223
 Faculty, 228
 Adjunct faculty, 226
 Admission, 55 ff
 Academic eligibility for, 56
 Advanced placement, 57
 Application for, 58
 Entrance examinations, 57, 58, 62
 From other colleges, 59, 61
 High school credit needed, 57
 High school rank, 56
 International students, 61
 Notification of, 58
 Prior to graduation from high school, 57
 Readmission, 61
 Registration, see Academic Calendar, 6, 7
 Requirements prior to, 56
 Special students, 56
 To Summer Sessions, 15
 Transfer students, 59, 60
 Veterans, 120
 Adult Education, courses in, 118
 Also Training and Development
 Advanced placement, 57
 Early admission to College, 57
 Aid, see Financial Aid
 Aims of College, 10
 Alumni Association, 22
 Anthropology, 132
 Application, for admission, 58
 For employment, 29
 For graduation, 79
 For loans, see Financial Aid
 For refund, 28
 Applied Music, see Performing Arts
 Apprentice teaching, see Student teaching
 Approvals, 12
 Art, 142 ff
 Assistance, financial, see Financial Aid

Athletics, courses in, see Health & Physical Education
 Eligibility to participate, 45, 51, 71
 Gymnasium, 19
 Intercollegiate, 51
 Intramural, 50
 Medical examinations for, 52
 Organizations, 45, 46, 48
 Attendance regulations, chapel, 45
 class, 71
 Auditing of Courses, 69, 76
 Fee, 24
 Honor student privilege, 73, 76
 Awards, honors, recognitions, 48

B

Bachelor of Arts degree
 Choice of major, 78, 84
 Requirements for, 81, 82, 84
 Bachelor of General Studies degree, 82
 Bachelor of Science degree
 Choice of major, 78, 84
 Requirements for, 81, 85
 Also specific majors
 Behavioral Science, 126
 minor in, 126
 Bible, courses in, 199
 Major and minor in, 198

Required for graduation, 82
 Biblical Studies, Center for, 204
 Biology, 159 ff
 Major and minor in, 159
 Board, see Fees
 Board of Trustees, 222
 Brantner Memorial Library, 19
 Breakage deposit, 25
 Buildings
 Dining facilities, 17, 52
 For health and physical education, 19
 For instruction, 19-21
 Library, 19
 Little Theatre, 21
 Residences for men, 20
 Residences for women, 20
 Student Center, 19
 Business and Economics, 89
 Accounting courses, 96
 Business Administration, 92, 93
 Business courses, 98
 Economics courses, 101
 Majors and minors, 90
 Marketing
 Major in, 92
 Training and Development, 93, 94, 100

C

Cafeteria, 24, 27, 52
 Calendar, Academic, 6, 7





Degree Plan, 80
Degree Programs, 84
Degrees, Bachelor of Arts, 78, 84
Bachelor of General Studies, 85
Bachelor of Science, 78, 84
Bachelor of Science in
Nursing, 206
Conferred - relation to
majors, 78
Requirements for, 78 ff
Second degree, 78
Department fellows, 35
Departments of Instruction
Business and Economics, 89
College of Education, 103
Health and Physical
Education, 119
History, Social Sciences and
Psychology, 125
Criminal Justice, 135
Psychology, 137
Public Administration, 134
Sociology, 132
Humanities, 141
Arts, 142 ff
Communications, 153
English, 148 ff
Modern Languages, 154 ff
Natural Sciences and
Mathematics, 157
Performing Arts, 171
Music, 172 ff
Theater/Speech, 192
Samarian College of Nursing
of Grand Canyon College, 205
Religion, 197
ROTC, 211
Also specific subjects,
e.g. Geography
Deposits, see Fees
Descriptions of courses
See various subjects of study
Dining facilities, 19, 52
Directory of Correspondence, 4
Directory of personnel, 221 ff
Discipline, 43, 44
Dismissal from College, 43, 44
Distinction, graduation with, 67
Dormitories, see Buildings
and Room
Drama, activities, 47
Drama, see Performing Arts
Dress, 44
Drinking, 43
Dropping of courses, 69
Drugs, 43

Campus facilities, 17
Campus map, 18
Cantarg, choice of, 78
Center for Biblical Studies, 204
Certification for teaching,
105, 106
Change of courses, 69
Chapel attendance, 45
Charles M. Cooke Health
Center, 20
Chemistry, 163 ff
Major and minor in, 163
Choir, Concert Choir, 188
Christian emphasis, 10
Classes, attendance, 71
Level of, 64
Classification of students, 64
Clubs, see Student
Organizations
College history, 16
College seal, 2
Commencement, dates, 6, 7
Attendance requirement, 81
Communications, minor in, 153
Composition and literature,
148 ff
Computer Center, 14
Computer Science, 168 ff
Major and minor in, 168
Concurrent enrollment, 74
Conduct of students, 43
Contemporary affairs, see
January Term
Control of the College, 11
Correspondence courses, 73, 80
Correspondence Directory, 4
Costs, see Fees

Counseling courses, see
Psychology
Counseling of students, 53
Course descriptions, 87 ff
Course load regulations, 68
Courses, change of, 69
Class level of, 64
Elective, 84
Numbering of, 64
Order of taking, 65
Repetition of, 70
Courses of Instruction, 87 ff
Credit, unit of, 64
For correspondence/
extension, 73
For ensembles, 172
For military service, 60
High school needed, 57
Quality points, 65
Required for graduation, 79
Required for major, 84
Required for minor, 84
Transcript of, 25, 56-58,
Criminal Justice, courses in, 135
Minor in, 135
Curricula
Requirements for graduation,
81, 82
See majors and minors
outlined in departments of
instruction

D Dean's List, 48
Debate, see Forensics Club
Deferral of courses,
see Courses, order of taking

E Ecology, see Environmental
Science courses
Economics, courses in, 101
Minor in, 95
Education, College of, 103
Adult Education courses, 118
Art Education, 144
Certification, teacher, 50
Courses in, 113 ff
College of, 103
Elementary, 105, 110, 113

Health and Physical, 119
 Major and Minor in, 110-113
 Performing Arts, 174, 178, 181
 Psychology, 137, 138
 Secondary, 105, 112
 Special, 111, 117
 Teacher education curricula, 105 ff
 Teacher placement, 29, 54
 Elective courses, 84
 Elementary certificate, 110
 Eligibility
 For student activities, 45, 71
 For student offices, 45, 71
 For intercollegiate athletics, 50
 Employment and Financial Aid, 29
 Also Placement Service
 Endowment, see Tribute Fund
 Endowed scholarships, 36 ff
 English, courses in, 150 ff
 Major and minor in, 148 ff
 Proficiency requirements, 79, 148, 149
 Required for graduation, 82
 Entrance to College, see Admission
 Environment of College, 10, 17, 42
 Ethnogen Memorial Theatre, 21
 Evening classes, 14, 22, 26
 Examinations, comprehensive, 73
 Entrance, 62
 Late, 23, 72
 Medical, 52
 Writing Proficiency, 79
 See various departments
 Expenses, see Fees
 Extension credit, 73, 80
 Extracurricular activities, 45 ff

F

Facilities, Campus, see Buildings
 Faculty, 11, 228
 Family Educational Rights and Privacy Act, 3
 Fees, (also Financial Aid)
 Application, 25
 Board, 24, 25, 27, 28
 Breakage deposit, 25
 Graduation, 25
 Insurance, 25, 27
 Miscellaneous, 25
 Payment of, 24
 Refunds of, 27-29
 Room, 24, 25, 27, 28
 Special class, 26
 Tuition and, 24
 Fellows, Department, 35
 Fifth Year program, 113
 Teacher education, 113
 Financial Aid
 Employment, 29
 Loans, 31 ff
 Scholarships and Tuition Grants, 34 ff
 Financial Information, 23 ff
 Food service, 52

Foreign languages, see Modern Languages and Greek New Testament (Also page 82)

G

General information, 10
 General Studies, Bachelor of, 82
 General studies in degree programs, 82
 Geography, 127
 Geology, 165
 German, courses in, 156
 Governing body of the College, 11
 Government, courses in, 127
 Minor in, 127
 Grade points, 65
 Grades required for admission, 56
 Grades required for continuation, 70
 Grading system, 65, 66
 Graduation
 Application for, 80
 Basic requirements, 79
 Choice of catalog, 78
 Curricular requirements, 81
 Eligibility to participate, 81
 Fee, 25
 Grade average required, 70, 79
 In absentia, 81
 Majors and minors, 84
 Quality points required, 61, 65, 79
 Required English Proficiency, 79
 Resident study required, 80
 Upper Division courses, 63, 68, 79
 With honors, 67
 Grants, Tuition, see Financial Aid
 Greek, New Testament, 201
 Guidance, 53
 Gymnasium, 19

H

Health certificate required, 52
 Health Center, 20
 Service to students, 52
 Health and Physical Education, 119
 Courses in, 120 ff
 Facilities for, 20
 Major and minor in, 120, 121, 124
 Required for graduation, 83
 Veterans, credit allowed, 120
 Henderson Home, Mrs. W. C., 21
 High school, credits needed, 57
 Advanced placement
 and credit, 57
 History and Social Sciences, 125
 Courses in, 127 ff
 Majors and minors in, 126-129
 132, 134, 135, 137
 Required for graduation, 82
 Holidays
 Dormitories closed for, 4, 27
 Also see Academic Calendar
 Honor Roll, 48
 Honor organizations, 47
 Honors at graduation, 67
 Honors, Awards, Recognitions, 41, 48
 Honors Study Program, 76

Housing, see Room
 Humanities, 141 ff
 Courses in, 142 ff
 Required for graduation, 82

I

Incomplete grades, 65
 Independent Study Courses, 74
 Infirmary, 20
 Instruction, courses of, 87 ff
 Insurance, 27
 Intercollegiate athletics, 51
 International students, admission, 61
 Advisor, 61
 Intramural athletics, 51

J

January Term, 14, 24, 28

L

Laboratory science, required, 82
 Languages, courses in, 154, 201
 Late examination, 25, 72
 Leave of Absence, 66
 Library, 19
 Life Science, see Biology
 Linens, 27
 Literature and Composition, 150 ff
 Loans, see Financial Aid
 Location of the College, 17

M

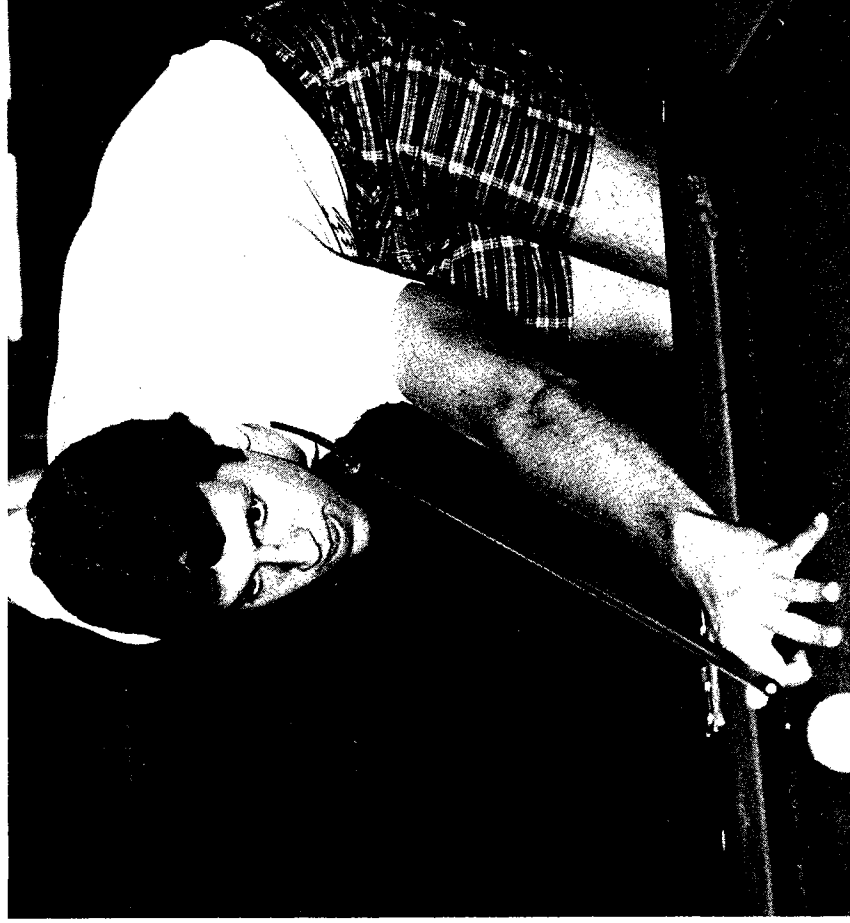
Majors and minors
 Grade average required, 70, 84
 Graduation requirements, 79
 Named in relation to degrees, 84
 Residence requirements, 80
 Selection or change, 84
 Map, campus, 18
 Mathematics, 166, 167
 Major and minor in, 166
 Medical examination, 52
 Memorial Endowment Funds, see Tribute Fund
 Minimum residence required for graduation, 80
 Ministerial student grants, 30
 Minors, see majors and minors
 Missionary-in Residence Home, 21
 Modern languages, courses in, 154 ff
 Minimum allowed toward graduation, 79
 Recommended for graduation, 85
 Also Greek, 201
 Music, see Performing Arts

N

Natural Science and Mathematics, 157
 Biology, 159-163
 Chemistry, 163, 164, 165
 Computer Science, 168-170
 Majors and minors, 159
 160, 163, 166, 168-170

- Mathematics, 166, 167
 Physics, 165
 Pre-medical curricula, 158, 159
 Required for graduation, 83
 Night classes, see Evening classes
 Notification of admission, 55
 Numbering of courses, 64
 Nursing, see Samaritan College of Nursing of Grand Canyon College
- O**
 Officials, administrative, see Administration and Personnel
 Orchestral instruments, see Performing Arts
 Organ, see Performing Arts
 Organizations, student, 45
- P**
 Parking fee, 24
 Payment of fees, 24
 Performing Arts, 171
 Applied Music courses, 182-186
 Church Music, 186, 187
 Degree Programs, 172, 175
 Education, 178
 Instruments, 182-186
 Music Courses, 189-192
 Music Degree requirements, 175
 Music Ensembles, 188, 189
 Music Scholarships, 174
- Music Theory, 172
 Performing Arts courses, 171 ff
 Private Lessons, 173
 Recitals, 172
 Student Teaching, 174
 Theatre/Speech, 175, 192-195
 Personnel, 221
 Philosophy, 203
 Physical Education, see Health and Physical Education
 Physical examinations, 52
 Physics, in, 165
 Piano, see Performing Arts
 Piano proficiency, 175
 Placement Office, 29, 54
 Practice teaching, see Student teaching
 Practicum courses, 75
 Pre-professional training
 Pre-Law, 12, 13
 Pre-Medical, 158, 159
 Presidents of the College, 17
 Privacy Act, 3
 Probation, 70
 Provisional admission, 71
 Psychology, 137-140
 Major and minor in, 137
 Publications, College, 21
 Student, 50
 Purposes of the College, 10
- Q**
 Quality points, 65, 79
- R**
 Radio, see Speech
 Ray-Mabien Scholarships, 48
 Reading, developmental, 113
 (EDU 103, 113)
 Reading and Conference courses, 75
 Readmission, 61
 Recitals, 172
 Recognitions/Honors/Awards, 48, 49
 Record Library, 19
 Recreation, 124
 Minor in, 124
 See Health and Physical Education
 Recreation Center, 50
 Refunds, 27, 28
 Registration dates, 6, 7
 Late registration fee, 25
 Requirements prior to, 56 ff
 Regulations, academic, 63
 Student conduct, 43
 Religion, Department of, 197
 Courses in, 201, 202, 203
 Major and minor in, 199
 Religious Education, Minor in, 199
 See Religion courses
 Remedial Courses, 113
 (EDU 103, 113)
 Repeating of courses, 70





Requirements, course load, 68
 For admission, 56
 For continuing as a student, 70
 For early admission, 57
 For graduation, 79, 80
 For Honors Study Program, 76
 For teacher certification, 105
 Minimum residence, 80
 Reservations, room, see Room
 Residence, place of, 51, 52
 Resident study required, 80
 Room, also see Buildings
 Assignments, 51
 Deposit, 25
 Fee, 24, 25, 26
 Furnishings, 27
 Guests, 27
 Refund of fee, 27, 28
 Reservation, 25
 Student residences, 20
 ROTC, 211
 Air Force, 212-214
 Army, 216-219
 Scholarships, 35, 214

Curriculum Plan, 208
 Degree Requirements, 206, 207
 Facilities, 21
 Prerequisites, 206
 Second Degree, 78
 Schedule changes, see
 Change of courses
 Scholarships, 34 ff
 Science, see Natural Sciences and
 Mathematics
 Secondary certificate, courses for,
 112, 113
 Semester defined, 64
 Semester hour defined, 64
 Services, student, see Student
 Services
 Smith Arts Complex, 21
 Smoking, 43
 Social Sciences, see History and
 Social Sciences Department, also
 Geography, Government,
 History, Sociology, and
 Criminal Justice
 Social Studies
 Requirement for graduation, 83
 Sociology, courses in, 132, 134
 Major and minor in, 132
 Spanish, courses in, 156
 Minor in, 155

Special Education, courses for
 certification, 117, 118
 Special Examinations, see
 Examinations and Late
 Examinations
 Special programs of study
 Audit privilege, 76
 Center for Biblical Studies, 204
 Honors Study, 76
 Pre-law, 12, 13
 Training and Development,
 94, 95
 Special students, 56
 Speech, courses in, 195, 196
 See Performing Arts
 Sports, see Athletics
 Student Center, 17, 19
 Student conduct, 43
 Student government, 46
 Student housing, see Room
 Student Life, 41
 Student loans, 31 ff
 Student organizations, 45 ff
 Custody of funds, 45
 Departmental and
 professional, 46
 Eligibility for holding office, 71
 Honor, 47, 48
 Religious, 48

Service, 45, 47, 48
 Student publications, 50
 Student residences, see Room
 Student services
 Counseling and guidance, 53
 Health, 52, 53
 Remedial courses, 113
 (EDU 103)
 Placement, 29, 30
 Student teaching, 6, 7, 15, 108,
 109, 113, 174
 Studio Art, 145, 146
 Major and minor in, 142, 144
 Summer Sessions, 6, 15, 16,
 24, 29
 Suspension from College, 70
 Swimming, 122

T

Teacher education, 12, 104 ff
 Teacher placement, 29, 30, 54
 Television, see Speech
 Tell Science Building, 21
 Tests, see Examinations
 Theatre, minor in, 193
 Theatre-Speech, 192
 Major and minor in, 193
 Also Performing Arts
 Theory of music,
 see Performing Arts
 Traditional events, 54
 Training and Development, 93
 Major and minor in, 93
 Transcript of credit, 25, 58, 59
 Transfer of credit, 59 ff
 Transfer students, 59
 Performing Arts, 173
 Tribute Fund, 40
 Trustees, Board of, 222
 Tuition, see Fees
 Tuition grants, 40
 Tutoring Program, 54
 Tutoring, 98

U

Unit of credit, 64
 Upper Division courses required
 for graduation, 68

V

Veterans, admission by
 G.E.D., 56
 Credit allowed for active
 service, 60, 120
 Vocational preparation, see
 Special Programs of study
 Voice, see Performing Arts

W

Who's Who Among Students, 48
 Withdrawal, 28, 53, 66, 69
 Work opportunities, 29
 Writing Proficiency Examination,
 79





GRAND CANYON COLLEGE
3300 W. Camelback Road
Phoenix, Arizona 85017-1097



GRAND CANYON COLLEGE

NON-PROFIT ORG
U.S. POSTAGE
PAID
PHOENIX, ARIZONA
PERMIT NO. 222