

DR BECK



# GRAND CANYON COLLEGE



BULLETIN 1971-72 1972-73

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FEBRUARY, 1971

NUMBER 1

BULLETIN

# Grand Canyon College

3300 West Camelback Road  
PHOENIX, ARIZONA 85017

*A Christian Liberal Arts College  
Founded and Sponsored by  
Arizona Southern Baptists*



CATALOG ISSUE  
1971-72 1972-73

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## 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, are inscribed the name of the College and the place and date of its founding.

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

The colors of Grand Canyon College are purple and white.



Recommended by the faculty and adopted by the trustees.

## Foreword

Grand Canyon College is a Christian, liberal arts college. As such, it offers bachelor's degree programs which feature academic excellence in an environment where a Christian perspective is emphasized. The college strives to attract capable, ambitious, and well-balanced young 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, or religious beliefs.

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

## Directory for Correspondence

College Mailing Address	Grand Canyon College 3300 W. Camelback Road P. O. Box 11097 Phoenix, Arizona 85017
General Policy, Gifts and Endowment, Legal Matters	President of the College
Academic Matters, Faculty, Curriculum, and Program	Dean of the College
Admissions, Catalog	Registrar
Expenses, Financial Arrangements, Student Employment on Campus	Director of Financial Aid
Student Employment off Campus	Dean of Students
Tuition Grants for Ministerial Students	Director of Religious Activities
Dormitories and Housing	Dean of Students or Dean of Women
Student Association	Faculty Adviser of Student Association
Publicity Materials, Student Publications	Publicity Director
Teacher Education	Director of Teacher Education
Veterans Affairs	Director of Financial Aid
Selective Service	Dean of Students
Summer School	Dean of the College
Alumni Affairs	Secretary of the Alumni Association

## INFORMATION FOR VISITORS

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

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

Visitors are always welcome on the campus. If you anticipate a visit to the campus when offices will be closed, you may make arrangements by writing to the Dean. If you cannot plan far enough in advance, a telephone call will often find someone at the switchboard to arrange a visit. Telephone 939-9421, Area Code 602.

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## ACADEMIC CALENDAR — FALL SEMESTER

	1971-72	1972-73
Faculty workshop .....	September 1, 2, 3	September 4, 5, 6
Dormitories open to freshmen and transfers, 8:00 a.m. ....	September 6	September 6
Conferences for freshmen and transfers begin, 1:00 p.m. ....	September 6	September 6
Dormitories open to upperclassmen, 1:00 p.m. ....	September 6	September 6
Registration of seniors, juniors, and sophomores, 7:30-4:30 .....	September 7	September 7
Registration of freshmen and transfers, 7:30-4:30 .....	September 8	September 8
Instruction begins, day classes, 7:30 a.m. ....	September 9	September 11
Evening registration, 6:30-7:15 p.m. ....	September 9, 13, 14	September 11, 12, 14
Instruction begins, evening classes, 7:30 p.m. ....	September 9	September 11
Last day to register for credit .....	September 16	September 18
Founder's Day, Appreciation Day, Monday .....	October 25	October 23
Records close for mid-term grades .....	October 29	October 31
Mid-term grade reports due by 12:00 noon .....	November 3	November 3
Last day to drop courses without penalty .....	November 12	November 13
Thanksgiving holidays .....	November 25-28	November 23-26
Final examinations .....	December 14-17	December 14-20
Grade reports due by 12:00 noon .....	December 18	December 21
Christmas holidays .....	Dec. 19-Jan. 2	Dec. 21-Jan. 2
January term begins .....	January 3	January 3
January term ends .....	January 27	January 26
January term reports due by 12:00 noon .....	January 28	January 27

## STUDENT TEACHING:

Classes begin .....	September 9	September 11
Classes end .....	November 5	November 3
Apprentice teaching begins .....	November 8	November 6
Apprentice teaching ends .....	January 21	January 19
Semester Break for Student Teachers .....	Jan. 22-30	Jan. 20-28

1971	1972
<p><b>JULY</b></p> <p>S M T W T F S</p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p> <p><b>AUGUST</b></p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p> <p><b>SEPTEMBER</b></p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30</p> <p><b>OCTOBER</b></p> <p>S M T W T F S</p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p> <p><b>NOVEMBER</b></p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12 13</p> <p>14 15 16 17 18 19 20</p> <p>21 22 23 24 25 26 27</p> <p>28 29 30</p> <p><b>DECEMBER</b></p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p>	<p><b>JANUARY</b></p> <p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> <p>30 31</p> <p><b>FEBRUARY</b></p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29</p> <p><b>MARCH</b></p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30 31</p> <p><b>APRIL</b></p> <p>S M T W T F S</p> <p>1</p> <p>2 3 4 5 6 7 8</p> <p>9 10 11 12 13 14 15</p> <p>16 17 18 19 20 21 22</p> <p>23 24 25 26 27 28 29</p> <p>30</p> <p><b>MAY</b></p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p> <p><b>JUNE</b></p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30</p>

## ACADEMIC CALENDAR - SPRING SEMESTER

	1972	1973
Dormitories open .....	February 6	February 4
Conferences for new students, 1:00 p.m. ....	February 7	February 5
Registration of seniors, juniors, and sophomores 7:30-4:30 .....	Feb. 8	February 6
Registration of freshmen and transfers, 7:30-4:30 .....	February 9	February 7
Instruction begins, day classes, 7:30 a.m. ....	February 10	February 8
Evening registration, 6:30-7:15 p.m. ....	Feb. 10, 14, 15	Feb. 8, 12, 13
Instruction begins, evening classes 7:30 p.m. ....	February 10	February 8
Last day to register for credit .....	February 17	February 15
Honors Day .....	March 10	March 9
Records close for mid-term grades .....	March 24	March 23
Mid-term grade reports due by 12:00 noon .....	March 29	March 28
Special Easter chapel program .....	March 31	April 20
Last day to drop courses without penalty .....	April 7	April 9
Spring vacation .....	April 8-16	Mar. 31-Apr. 8
Choir tour .....	April 8-16	Mar. 31-Apr. 8
Final examinations for May degree candidates .....	May 18-23	May 17-22
Grades for degree candidates due by 12:00 noon .....	May 24	May 23
Final examinations .....	May 25-31	May 24-30
Baccalaureate service, 3:00 p.m. ....	May 28	May 27
Commencement, 8:00 p.m. ....	May 29	May 28
Grade reports due by 12:00 noon .....	May 31	May 31
Student Teaching:		
Dormitories open to student teachers .....	January 30	January 28
Classes begin .....	January 31	January 29
Classes end .....	March 24	March 23
Apprentice teaching begins .....	March 27	March 26
Apprentice teaching ends .....	May 26	May 25

## SUMMER SESSIONS\*

1971	1972	1973
Presessions .....	June 1-5	June 4-8
	June 7-11	June 11-15
First Term .....	June 11-July 16	June 15-July 20
Second Term .....	July 17-Aug. 20	July 21-Aug. 24
Postsession .....	Aug. 23-Sept. 3	August 27-31

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

1972	1973
<p><b>JULY</b></p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p> <p><b>AUGUST</b></p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p> <p><b>SEPTEMBER</b></p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p> <p><b>OCTOBER</b></p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p> <p><b>NOVEMBER</b></p> <p>1 2 3 4</p> <p>5 6 7 8 9 10 11</p> <p>12 13 14 15 16 17 18</p> <p>19 20 21 22 23 24 25</p> <p>26 27 28 29 30</p> <p><b>DECEMBER</b></p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p> <p>31</p>	<p><b>JANUARY</b></p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30 31</p> <p><b>FEBRUARY</b></p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28</p> <p><b>MARCH</b></p> <p>1 2 3</p> <p>4 5 6 7 8 9 10</p> <p>11 12 13 14 15 16 17</p> <p>18 19 20 21 22 23 24</p> <p>25 26 27 28 29 30 31</p> <p><b>APRIL</b></p> <p>S M T W T F S</p> <p>1 2 3 4 5 6 7</p> <p>8 9 10 11 12 13 14</p> <p>15 16 17 18 19 20 21</p> <p>22 23 24 25 26 27 28</p> <p>29 30</p> <p><b>MAY</b></p> <p>1 2 3 4 5</p> <p>6 7 8 9 10 11 12</p> <p>13 14 15 16 17 18 19</p> <p>20 21 22 23 24 25 26</p> <p>27 28 29 30 31</p> <p><b>JUNE</b></p> <p>1 2</p> <p>3 4 5 6 7 8 9</p> <p>10 11 12 13 14 15 16</p> <p>17 18 19 20 21 22 23</p> <p>24 25 26 27 28 29 30</p>

July 26 to Aug. 9, Jan -

Curriculum  
Committee

# I. General College Information

General Purpose

Specific Objectives

Christian Emphasis

Governing Body

Faculty

Students

Accreditation

Teacher Education

Special Secretarial Program

Preprofessional Training

Evening Classes

Summer Sessions

Historical Sketch

Location

Campus

College Publications

Alumni Association



## GENERAL COLLEGE INFORMATION

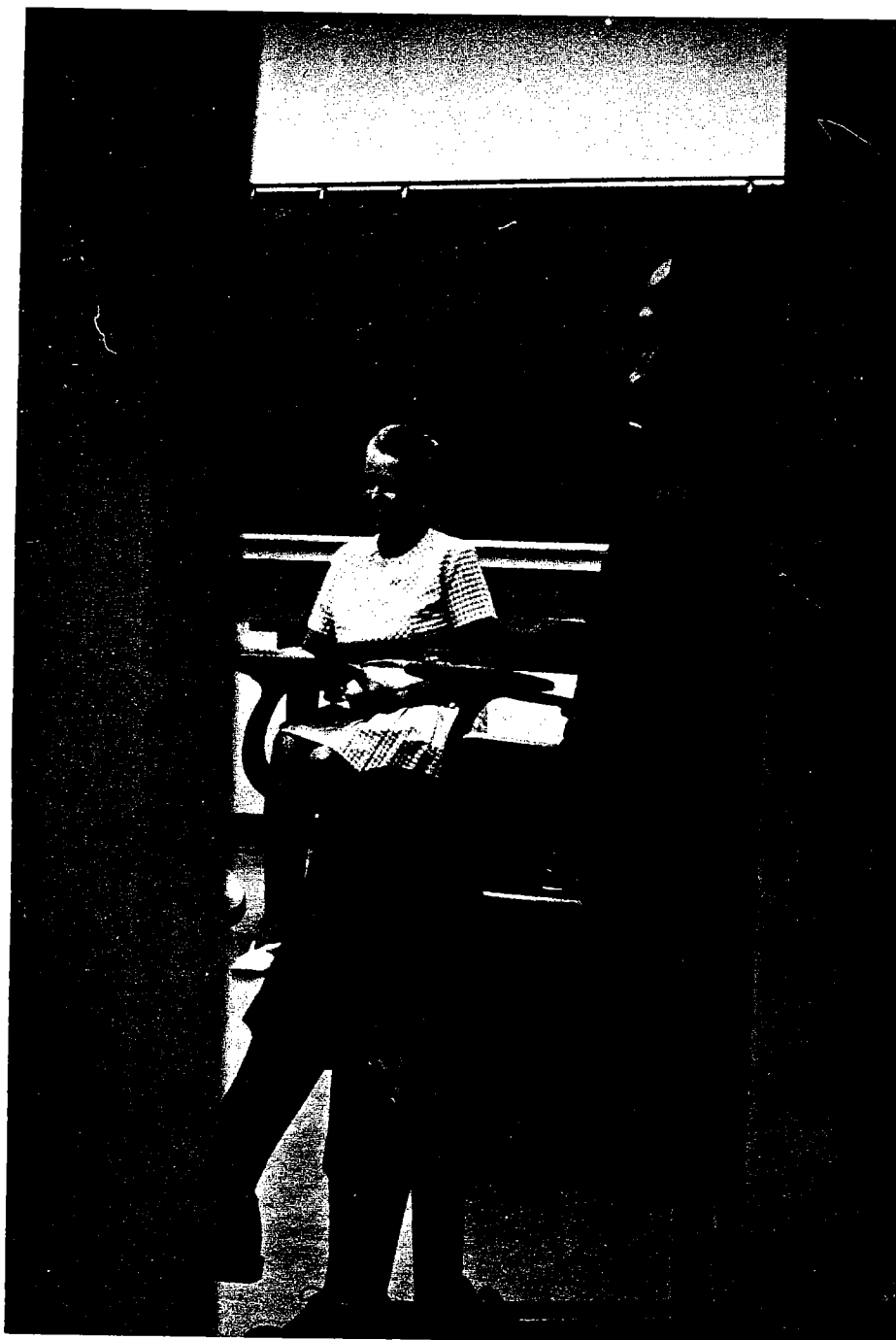
### GENERAL PURPOSE

The purpose of Grand Canyon College, as a Christian, liberal arts college, is to offer bachelor's degree programs which emphasize academic excellence in an environment where a Christian perspective is maintained. Working toward this purpose, the board of trustees, the administration, and the faculty strive to attract capable, ambitious, and well-balanced young people who can profit by a college education in this environment and who are motivated by ideals of service in the various fields of human endeavor.

### SPECIFIC OBJECTIVES

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

1. An appreciation of spiritual realities, and of God's concern for the natural universe and its laws, for social institutions, and for each individual's life.
2. A high level of competence in effective analysis, in accurate and constructive thinking, in appropriate evaluation of evidence, in distinction of truth from error, and in creative scholarship.
3. A personal awareness of social values; an experience of courtesy, enjoyment, and poise in association with others; a concern for our American heritage and for human dignity and freedom; and a sense of responsibility toward community service.
4. Habits of clean living, clean speech, temperance, and personal decency; a sense of responsibility for doing high grade, honest work; and a proper regard for the rights and feelings of others.
5. Healthful living practices, physical vigor, and the enjoyment of participation in a variety of recreational activities.
6. A better understanding and appreciation of aesthetic values and of man's efforts toward self-expression in the creative arts.



The curriculum is designed to implement the purpose of the College in developing Christian principles of leadership and thinking in all phases of man's activities. Emphasis is placed upon the effort to provide a liberal education. At the same time, some professional courses are offered in appropriate areas.

### CHRISTIAN EMPHASIS

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

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

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

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

Grand Canyon College adds a spiritual thrust to the challenging and demanding academic 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, founded and sponsored by Arizona Southern Baptists, is governed by a board of trustees elected by the Arizona Southern Baptist Convention.

### FACULTY

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

### STUDENTS

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

### ACCREDITATION

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

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

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

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

By authorization from the Immigration and Naturalization Service of the Department of Justice, non-immigrant alien students may apply for admission to the College. (See page 59.)

### TEACHER EDUCATION

The College offers training for prospective teachers for elementary school and high school. An apprentice teaching program is made possible by contract agreement with various public and private schools in Arizona. All requirements for an elementary or secondary teaching certificate may be met at Grand Canyon College. The teacher education curriculum is explained on pages 97 to 100.

### SPECIAL SECRETARIAL PROGRAM

A special program is offered to persons who do not plan to complete a four-year degree program but who wish to qualify for office positions. Students who complete the curriculum and meet departmental standards will receive a certificate of proficiency. A student may complete the program in less than 2 years by enrolling in summer sessions. (See page 94 for further details.)

### PREPROFESSIONAL TRAINING

#### Prelaw

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

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

The legal profession is exacting in its standards in regard to intellectual effort, honesty, and maturity. Basic objectives of prelegal education should

be to develop comprehension and expressiveness in communication, critical understanding of human institutions, and creative power in thinking.

### Premedical, Predental, and Preoptometry

Most medical schools require for admission three years of undergraduate work, including, as a minimum, one year of inorganic chemistry, half a year of organic chemistry, one year of general physics, half a year of college mathematics, one year of zoology, half a year of biology, half a year of anatomy, a foreign language and humanities and social studies as electives. By making a wise selection of courses a student may, in two years, meet a substantial part of the premedical requirement.

### 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

A January interterm program is provided, during which all academic departments focus attention on a single issue. The topics for the January terms for the next four years are:

- 1972 — Phoenix: Exploding Metropolis
- 1973 — Arizona: Land of Contrasts
- 1974 — The American Dream: Vision and Reality
- 1975 — America's Role in World Affairs

Convocations, panels, group discussions, and assemblies with special speakers and other resource persons are significant features of the interterm, with all students and faculty participating. Freshmen and sophomores give primary attention to understanding the nature of the issue being considered. Juniors and seniors design and *participate in activities* which project them off the campus and involve them in working with agencies primarily concerned with the issue.

This approach to learning combines the strengths of the academic areas by involving all students and faculty in an interdisciplinary outreach into the community. Internships, field projects, guided observations, action research,

and community service experiences are carefully planned as vital parts of the January Term. For example, among the options offered, the science major may elect to consider aesthetics and the city; the art major may give attention to the problem of air pollution; the physical education major may explore aspects of urban politics; and the history major may investigate problems of communication in urban America.

Three semester hours of credit are given for the January Term and regular tuition rates are charged. Grading is on a credit or non-credit basis with the emphasis on active participation rather than competition for letter grades. Students register for the January Term at the beginning of the fall semester in September. One January Term is required for each year of study at Grand Canyon College or equivalent. Students may elect to satisfy certain general studies or major or minor requirements during the January Term by special arrangement.

### 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 Dean of the College.

#### Apprentice Teaching During the Summer Sessions

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

College graduates who are admitted as students in Grand Canyon College may enroll for six hours of elementary or secondary apprentice teaching during the summer session. Prerequisites: Elementary Education 343 and Elementary Education 353 or High School Methods 323 and High School Curriculum 443 or six hours of equivalent courses in education acceptable to the Department.

Apprentice teachers must file with the Director of Teacher Education a transcript from each institution attended, two letters of recommendation, three copies of a recent photograph, and a report of a current chest x-ray. All students must complete regular matriculation requirements with the Registrar's Office before entering the teacher education program.

### Expenses

Tuition for the summer session is \$21.00 per semester hour. Room rent in the dormitory for each five weeks period is \$60.00; board is \$65.00 per term for a five day meal ticket.

## HISTORICAL SKETCH

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

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

The following men have served as president of the College:

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

## LOCATION

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

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

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

The Southern Pacific and Santa Fe railroads make Phoenix easily accessible by train. The Continental Trailways and Greyhound bus lines operate many schedules daily to and from Phoenix.

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

### CAMPUS

The College has over 100 acres available for development of its campus. The original buildings are of one-story, cottage style, pumice block construction. They are now used for administrative offices, faculty offices, cafeteria, and auxiliary classrooms and laboratories. The Student Center and pavilion were secured largely through the efforts of students. Grouped around a quadrangle landscaped with flowers and Arizona shrubs and trees, all the buildings afford a view of the mountains surrounding the Valley of the Sun. The campus is comfortable and provides an attractive setting for college living.

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

A classroom building, another dormitory, a student pavilion, an addition to the library, and an extension to the cafeteria were completed in 1963. The bookstore occupied newly constructed quarters in 1964. A dormitory addition was completed in 1967.

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

### 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 College collection contains approximately 60,000 books and bound periodicals. Approximately 650 magazines and journals are received currently.

### Music Library

The Brantner Library of Recordings, housed in the Fleming Library, is one of the largest to be found in a college of arts and sciences. A listening room is provided for the use of those recordings. The records in the initial collection were given by an Arizona cowboy, Chet Brantner, of Mohave

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

### Gymnasium-Auditorium

The red brick gymnasium-auditorium has an especially fine maple playing floor. It contains locker and shower facilities and equipment rooms for men and for women as well as office space and classrooms. Bleachers will seat 1200 and chairs on the playing floor will accommodate an additional 1000 persons.

### Bright Angel Hall

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

### Kaibab Hall

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

### Charles M. Cooke Health Center

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

### Fleming Classroom Building

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

## COLLEGE PUBLICATIONS

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

*The Canyon Highways* is published by the College for the purpose of presenting the activities of 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 institution.

## ALUMNI ASSOCIATION

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



## II. Financial Information

Student Expenses

Student Insurance

Part-Time Employment and  
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## FINANCIAL INFORMATION

### STUDENT EXPENSES

The regular school year is composed of two semesters. Each semester is 15 weeks in length. Summer school sessions are composed of two terms of five weeks each.

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

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

The Board of Trustees reserves the right to change all fees and charges.

### Registration Fees and Tuition

Tuition per semester hour (seven hours or more) .....	\$30.00
(The cost of each remedial course is calculated as though three semester hours of credit were granted. The rate per hour is the same as for courses taken for credit.)	
Tuition per semester (six hours or less) .....	20.00
Audit fee, per semester hour .....	20.00
Additional fee for private lessons in voice, piano, organ, and orchestral instruments, per semester:	
Two half-hour lessons per week	
(Two semester hours credit) .....	60.00
One half-hour lesson per week	
(One semester hour credit) .....	35.00
Additional fee for instruments (required for class instruction in orchestral instruments) .....	5.00
Additional fee for Apprentice Teaching, per semester hour of Apprentice Teaching .....	5.00
General Fee (7 hours or more) .....	25.00
Class Dues (7 hours or more) .....	1.00



## Other Fees

Late entrance examinations fee.....	\$ 5.00
Late registration fee .....	5.00
(Financial record cards turned in to the Business Office on the third day or later after classes begin are charged late registration fee regardless of the date when registration was begun.)	
Temporary registration permit fee .....	5.00
Course changes after close of regular registration.....	2.00
Penalty for clearing accounts after the deadline date at the beginning of the semester:	
Seven or more hours, per week late.....	5.00
Six or less hours, per week late.....	2.50
Late examination fee (for any major exam).....	2.00
Special examination, per semester hour of credit equivalent.....	10.00
Graduation fee .....	10.00
Transcript of credits, except the first.....	1.00
Dormitory dues, per semester .....	2.00
Parking fee, annual.	
Seven hours or more.....	12.00
Six hours or less.....	5.00
Charge for registering second car.....	2.00
Duplicates of meal tickets, activity tickets, etc.....	1.00
Returned checks, each .....	2.00
(Additional \$5.00 fee if not corrected within 30 days)	

## Evening School Charges

Tuition, per semester hour (seven hours or more).....	30.00
Tuition, per semester hour (six hours or less).....	20.00
Audit fee, per semester hour.....	20.00
Late registration fee.....	2.00
Parking fee, annual (6 hours or less).....	5.00

## Summer School Charges

Application fee (new students only; non-refundable) .....	10.00
Tuition, per semester hour.....	21.00
Audit fee, per semester hour .....	21.00
Room, per term of five weeks .....	60.00
Board, per term of five weeks (5-day ticket).....	65.00
Parking fee.....	2.00
Charges for short terms:	
Room, per week.....	15.00
Board, per week (5-day ticket).....	15.00

## Special Charges

Matriculation fee (Not refundable).....	\$10.00
This one-time fee must be paid before the Registrar's Office will set up a file for a student.	
Dormitory room reservation deposit.....	20.00
(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 15 for the fall semester or by January 15 for the spring semester.	
Special class fees:	
Bowling .....	12.00
Swimming .....	10.00
Apprentice teaching .....	40.00
Breakage deposit .....	10.00

This deposit applies to all students taking seven hours or more and remains in effect as long as the student plans to continue his studies and is subject to charge for property loss or damage; breakage or violation of rules in any laboratory, classroom, or the library; for loss of keys; and for other miscellaneous charges. Each semester the student must restore the breakage deposit to the \$10.00 balance if a charge has been made against the deposit during the previous semester. Upon completion or termination of the student's course of study, written application may be made for refund.

### Room and Board

Room rent is \$185.00 per semester, payable at the time the student registers. Room rent is not refundable after one week has elapsed since the first day of classes. Linens, towels, blankets, and pillows must be furnished by the student.

Room rent is charged at the rate of \$1.50 per day for those students staying in the dormitories at times other than when the school is officially in session. These charges apply during the Christmas holidays, between the close of the spring semester and the beginning of the first summer term, and between the end of the summer term and the opening of the fall semester.

A student is charged for his board at the time he registers. The student may purchase a five day meal ticket only. There is no refund because a student misses meals from time to time or goes on college-sponsored tours. Board prices are established with the expectation that a student normally misses meals occasionally. The cafeteria is closed during the Thanksgiving, Christmas, and spring holidays. A five day meal ticket is \$200.00 per semester.

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

### 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 Grand Canyon 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.

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

### SCHOOL EXPENSES, PER SEMESTER:

	On Campus Students	Commuting Students
Tuition (16 hours) .....	\$480.00	\$480.00
Room Rent .....	185.00	
Board—Five Day Meal Ticket.....	200.00	
Insurance .....	20.00	20.00
General, Class, Dorm Fees .....	28.00	26.00
Post Office Box Rental .....	2.00	
Sub Total.....	\$915.00	\$526.00
Books and Supplies (estimate) .....	65.00	65.00
Total .....	\$980.00	\$591.00

Students living on the campus must have hospitalization insurance. Commuting students are encouraged to take such insurance. The College cannot issue this insurance later than the last day of registration for credit. (See Academic Calendar, pages 6 and 7.)

### Refunds

If a student is forced to withdraw from school because of sickness or other unavoidable causes approved by the administration, the amount of charge to be deducted from refund is based on the scale listed below, beginning with the first day of registration week:

Registration without attendance	\$10.00
Attendance of one week or less	\$25.00
Attendance between one and two weeks	20% of total tuition
Attendance between two and three weeks	40% of total tuition
Attendance between three and four weeks	60% of total tuition
Attendance between four and five weeks	80% of total tuition
After five weeks	100% of total tuition

Fees are not refundable after the first week.

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

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

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

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

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

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

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

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

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

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

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

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

## SCHOLARSHIPS AND TUITION GRANTS

1. Scholarships and grants are available for the fall and spring semesters only.
2. Grade average requirements for all scholarships and grants are administered by the Scholarships Committee.
3. Recipients of any type of aid must complete the Arizona Financial Aid form and the ACT Family Financial Statement. (Forms may be obtained from the college or from Arizona high school counselors.)
4. Applications for financial aid should be in the hands of the College prior to July 15. Preference is given to high school seniors who file the ACT Family Financial Statement and the Arizona Financial Aid Application prior to December 1. Preference is given to transferring and continuing students who file the forms prior to March 1.
5. Students on probation are not granted scholarships or grants from the College except that a freshman admitted from the third quartile may, under certain circumstances, be given special consideration.

## Ministerial Tuition Grants

For persons who are affiliated with the Southern Baptist Convention, tuition grants contributed by the Arizona Southern Baptist Convention are available to ministerial students, missions volunteers, wives of ministers, and unmarried children of ministers, when approved. Such persons may be granted up to a maximum of the following percentages of tuition:

Minister (male) or mission volunteer (male or female)	60% of tuition
Minister's wife	25% of tuition
Minister's child (unmarried)	20% of tuition

If funds received from the Convention are not adequate to grant the maximum amounts, the amount of each grant may be decreased accordingly.

### Requirements:

1. The recipient must meet the College entrance requirements, must not hold a bachelor's degree, and must not be on probation.

2. The recipient must not use tobacco and must be deserving.
3. If the recipient is a minister, he must have been licensed or ordained before the beginning of the semester or term for which the grant is made.
4. If the recipient is a minister or mission volunteer, he must take at least a first minor in Bible or Religion.
5. If the recipient is a minister, he must attend monthly meetings of the Ministerial Association unless excused by the faculty sponsor.

### Baptist State Convention Grants

A limited number of grants to cover 40% of tuition are awarded by Grand Canyon College to Southern Baptist students from each of the following state conventions: Alaska, Colorado, Hawaii, New Mexico, Northern Plains, Oregon-Washington, and Utah-Idaho. Students selected to receive these grants must qualify for admission (not on probation). Requests for selection should be made to the appropriate state convention executive secretary.

### Woman's Missionary Union Grants

Four grants of \$175.00 per year are awarded to women students who are mission volunteers or engaged in full-time Christian service and who are members of churches affiliated with the Arizona Southern Baptist Convention. Those desiring further information may write to Woman's Missionary Union, 400 West Camelback Road, Phoenix, Arizona 85013.

### President's Grants

The President of the college awards grants covering up to 40% of tuition to qualified students, based on their need and potential.

### Academic Scholarships

Academic scholarships for 60% of tuition are available in limited number to freshmen during the year following high school graduation, provided they ranked in the upper 5 per cent of their classes in high schools with fewer than 1,000 students and in the upper 10 per cent in larger high schools. Students with composite ACT percentile of 95 or higher for college bound students, or top ranking finalists in the National Merit Scholarship program may also qualify. These scholarships are renewable for the full four years of college, provided a "B" average is maintained and provided the student's record in other respects is acceptable.

### Achievement Scholarships

Achievement Scholarships in the amount of 40% of tuition are available to students who, by the time they have completed at least 24 semester hours of college work, have earned a 3.50 (B+) average. These are subject to renewal and they apply to transfer students as well as to Grand Canyon College students.

### Department Fellows

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

The stipend is \$50.00 per semester.

### Special Abilities Scholarships

#### Athletics:

A limited number of basketball, baseball, golf, and tennis scholarships for 60% of tuition are available.

#### Music:

Music scholarships, ranging from 30% to 60% of tuition, may be awarded each school year. Recipients of such scholarships are expected to participate in musical performances at the direction of the College.

#### Art, Drama, Speech:

Special talent scholarships amounting to 40% of total tuition are offered to qualified students. Recipients are expected to use their abilities in projects sponsored by the College.

### Publications Tuition Grants

Eight grants for full or partial payment of tuition are awarded for work on College publications:

1. Editor of *Canyon Trails*, 60%
2. Assistant editor of *Canyon Trails*, 30%.
3. Business manager of *Canyon Trails*, percentage of ad sales.
4. Editor of *Canyon Echoes*, 60%
5. Assistant editor of *Canyon Echoes*, 30%.

6. Business manager of *Canyon Echoes*, percentage of ad sales.
7. School photographer, 60%.
8. Assistant photographer, 30%.

#### Art and Humanities Scholarships

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

#### Economic Opportunity Grants

These government grants are available to students from low income families and need not be repaid. The grants provide from \$200.00 to \$1000.00 per year to students who qualify. The amount received must be matched by other financial aid (loans, scholarships, grants, on-campus employment).

#### Helen Youngs Memorial Fund

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

#### Ilene Phillips Memorial Fund

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

#### Indian Student Tuition Grant

American Indian students who qualify for admission are given a tuition grant equal to 20% of the tuition charge.

#### Opdyke Grants

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

#### Vera Butler Scholarships

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

## III. Student Life

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## STUDENT LIFE

### A STATEMENT OF PRINCIPLES

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

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

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

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

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

In anticipation of a continuing commitment to the general purpose and specific objectives of Grand Canyon College as stated elsewhere in the catalog and to the spirit of the College which has prevailed since its founding, the student body, the faculty, the administration and staff, and the board of trustees affirm their dedication to fostering those activities which will aid in fulfilling the special responsibilities and commitments of Grand Canyon College and further pledge themselves to discourage and, if necessary, prohibit activities which might interfere with the fulfillment of the ideals and programs of the College.

### CONDUCT

Grand Canyon College attempts to create an atmosphere conducive to the purposes of a liberal arts education in the Christian tradition. All students who register at Grand Canyon 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 College policies, a person's enrollment at Grand Canyon College assumes that he accepts responsibility for honorable adherence to these standards, both on and off campus, while under the jurisdiction of the College as a student.

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 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 in their possession on the campus. This applies to non-resident as well as resident students.

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

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

The use of profanity and vulgarity are forbidden.

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

### MARRIAGES

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

A student who secretly marries while enrolled in Grand Canyon College may be subject to disciplinary action. Any student under 21 years of age who marries without the consent of parents or guardian may be subject to disciplinary action.

### RELIGIOUS LIFE

Emphasis is placed, not only upon the training of the body and the mind, but also upon the development of moral and religious values. In chapel programs, in classroom discussions, and in every relationship where the occasion arises, it is in accord with the policy of the College that the value of Christian living be upheld. Students are encouraged to join local churches of their own faiths and to participate regularly.

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

A Spiritual Emphasis Week or Religious Focus Week is conducted each year. Continuous emphasis upon Christian growth is maintained.

## CHAPEL ATTENDANCE

All students taking nine or more semester hours are required to attend chapel. (See page 37 to 39 for a statement concerning adherence to the policies of the College.)

## ABSENCES FROM CAMPUS AND CITY

The Dean of Women or the Dean of Students may restrict absences from the campus and city on the part of students whose scholastic standing is in question. Absences of residents in the dormitories are further governed by dormitory regulations. (See pp. 65-66 for statement concerning absence from classes.)

## ELIGIBILITY FOR ACTIVITIES

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

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

## ORGANIZATIONS

### Custody of Organization Funds

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

### Student Government

The membership of the Student Association includes all students registered for nine or more semester hours for the current semester. The Association elects six officers and each class elects a man and a woman representative. These officers and representatives comprise the Student Council. General meetings of the Association are held in addition to weekly meetings of the Council.

The Council seeks to provide a means of mediation for any problems that may arise from the Student Association and to be a nucleus for sponsoring and co-ordinating campus activities. It promotes faculty-student cooperation, works for campus improvements, and promotes interests which contribute to the development of individuals and of the College.

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

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

## Student Clubs

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

### Departmental and Professional Clubs

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

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

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

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

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

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

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

*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.

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

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

### Service and Honorary Organizations

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

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

*Sigma Sigma Phi* is an honor society which gives recognition to women members of the senior class for outstanding scholarship and service.

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

### Religious Organizations

*Baptist Student Union*, made up of all students who are active in Baptist churches, elects a council which correlates and gives assistance to all the religious activities of the school.

*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.

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

### HONORS AND SPECIAL RECOGNITIONS

#### *Honors Day*

Each year a day is designated for a special assembly and other appropriate activities to recognize the achievements of students who have distinguished themselves in academic pursuits or in student leadership. Ordinarily included in the recognitions are students who belong to one of the following categories: Ray-Maben Scholars, current recipients of Academic Scholarships, Department Fellows, other students with particularly outstanding academic records, Junior Class Marshals, students named for the current year in *Who's Who*, major officers in the Student Association, editors of student publications, recipients of regional or national awards for excellence in academic, forensic, literary, or cultural affairs.

#### *Ray-Maben Scholars*

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

#### *Graduation with Honors*

The requirements for graduation with honors are stated on pages 64 and 65.

#### *Honor Roll and Dean's List*

At the close of each semester, the freshman and sophomore honor rolls and the dean's list are published. Students carrying 12 or more semester hours are considered for these honors.

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

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

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

Special audit privileges for honor students are described on page 65.

#### *Who's Who Among Students in American Universities and Colleges*

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

#### *Baptist Book Store Award*

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

#### *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.

#### *Puckett Award*

Dr. J. Niles Puckett gives annually a Thayer's Greek Lexicon to the student who makes the highest average in first year Greek and who is recommended by the faculty for the award.

#### *Wall Street Journal Award*

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

## STUDENT PUBLICATIONS

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

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

*Canyon Trails* is the College yearbook, published annually by a student staff. Each holder of activity tickets for both semesters of the current year is entitled to a copy without additional cost.

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

## ACTIVITIES

### Educational Tours

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

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

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

### Intramural Athletics

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

### Drama, Radio, and Speech Activities

Opportunities for dramatic, radio, and speech participation on the part of the student are available at Grand Canyon College. There are plays, operettas, and intercollegiate forensics and debate. These activities are grounded in the instruction provided by the regular curriculum.

### Musical Programs

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

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

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

The Concert Band presents concerts and provides musical entertainment for the campus at various times and adds spirit to such events as rallies, home ball game, etc.

### PHYSICAL EDUCATION

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

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

### Intercollegiate Athletics

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

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

1. Only students of this institution carrying 12 or more semester hours of work shall be allowed to participate in its intercollegiate or interscholastic contests. (See page 40 for eligibility rule.)

2. A member of the faculty shall accompany all teams when they are away from the College.

3. All funds shall pass through the books of the College Business Office and all checks shall be signed by the Business Manager. The President shall approve all contracts or orders involving money.

## STUDENT SERVICES

### Housing

Unmarried students under 21 years of age who carry 12 hours or more are required to live in the dormitory. Exceptions are made for those students who live with their parents, guardians, or close relatives.

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

Room assignments are made in the order of the date of application and payment of reservation fee. The interests of the dormitory as a home, and sometimes the interests of the individual himself, may demand that he change his place of residence.

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

All students residing in the dormitories must eat their meals in the College cafeteria except during a recess when the cafeteria is closed.

The 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 65.

### Food Service

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

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

### Health Service and Health Records

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

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

All appointments with the College Physician must be made through the College Nurse. A student who wishes to retain a physician other than the College Physician is at liberty to do so. Every student is personally responsible for all his medical costs except for consultation during the regular campus hours of the College Physician.

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

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

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

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

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

A student transferring from another institution must have a medical doctor complete the Grand Canyon College Health Certificate and return it to the College.

Medical and hospitalization insurance is available at a cost of approximately \$20.00 per semester. All students living in the dormitories must have hospitalization insurance and commuting students are encouraged to have it. (See page 26.)

### Guidance

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

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

### Counseling

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

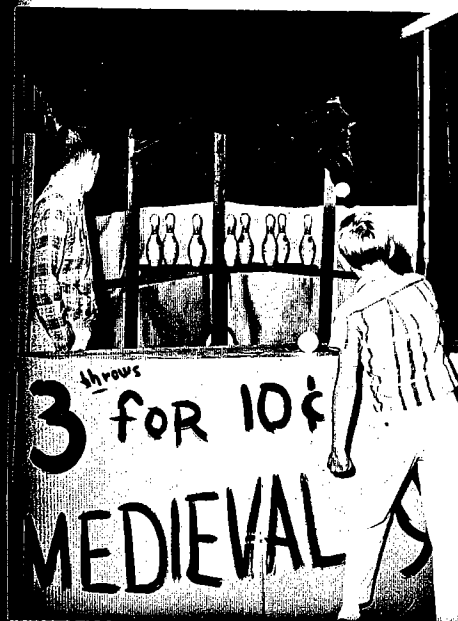
### Teacher Placement

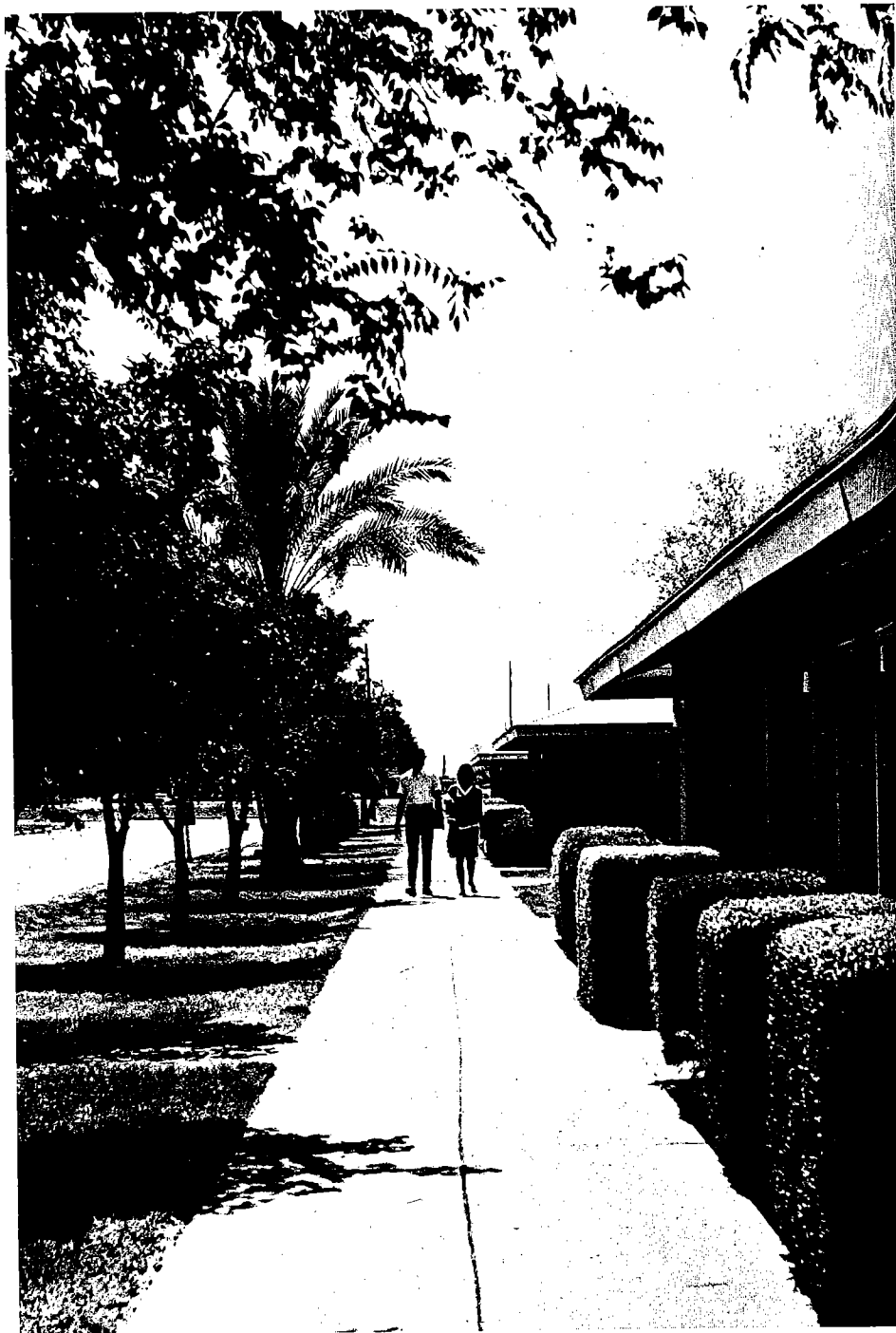
A teacher placement bureau is maintained by the College without cost to persons who have completed their work at Grand Canyon College. A follow-up program covering a period of five years has also been designed for the benefit of the institution and its former students.



## TRADITIONAL EVENTS

All-School Welcome Party  
 Reception For New Students and Faculty  
 Work Day  
 All-School Picnic  
 State B.S.U. Convention  
 Harvest Festival  
 Founder's Day  
 Tour to Grand Canyon  
 Spiritual Emphasis Week or Religious Focus Week  
 Thanksgiving Breakfast  
 Friends of the Library Luncheon and Book Review  
 Mom and Dad's Day  
 Dramatic Presentations  
 High School Round-Up  
 Needy Children's Christmas Party  
 Christmas Party for International Students  
 Choralaires' Christmas Concert  
 Oratorio Society Performance  
 Homecoming  
 Spring Banquet  
 Honors Day  
 Music Recitals  
 Southern Arizona Tour  
 Choralaires' Tour  
 Choralaires' Spring Concert  
 State B.S.U. Spring Retreat  
 Varsity Dinner  
 Junior-Senior Banquet  
 Senior Class Day  
 Book Review Luncheons





## IV. Admission Policies and Procedures

General Requirements for Admission

Academic Eligibility for Admission

High School Units Required

Advanced Placement

Early Admission to College

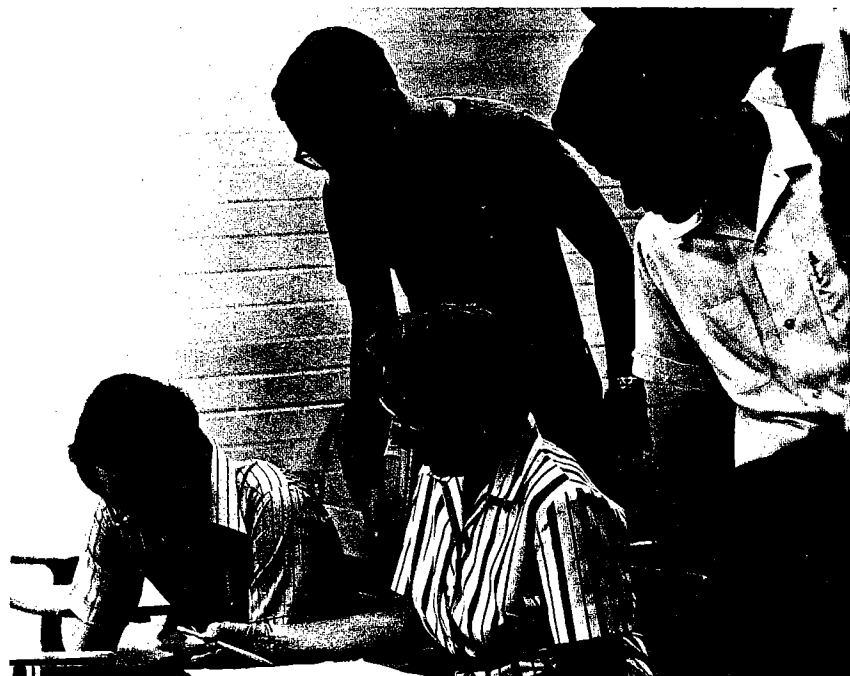
Requirements Preliminary to Admission

Entrance Examinations

Readmission

Transfer Students

International Students



## ADMISSION POLICIES AND PROCEDURES

### GENERAL REQUIREMENTS FOR ADMISSION

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

An applicant must be at least 16 years of age.

An applicant must furnish satisfactory evidence of good moral character and, if transferring from another institution of higher learning, must furnish an acceptable transcript.

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

### ACADEMIC ELIGIBILITY FOR ADMISSION

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

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

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

A veteran who is not a high school graduate and who gives evidence of maturity and ability to do college work may be accepted as a special student on the basis of the G.E.D. and other admissions tests. Other applicants over 21 years of age may also be accepted in this manner.

Any applicant may be required to modify his program of studies to include special courses.

## HIGH SCHOOL UNITS NEEDED

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

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

## ADVANCED PLACEMENT

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

Provision is made, on an individual basis, for other students to qualify for advanced placement and/or credit on the basis of standardized tests.

## EARLY ADMISSION TO COLLEGE

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

## REQUIREMENTS PRELIMINARY TO ADMISSION

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

Persons desiring admission to Grand Canyon College may secure sets of admission application forms, including detailed instructions, from the office of the Registrar and follow the procedure indicated.

Before notice regarding acceptance can be issued, the applicant must:

1. Submit an application form together with an application fee of \$10 to the registrar.
2. Take the American College Test at the earliest possible examination date and have scores reported to Grand Canyon College. The Grand Canyon College ACT code number is 0092. Scores from the American Testing program are required. The tests are given five times each year, in February, April, July, October, and December. Applicants should normally take the examination at the close of their junior year in high school or at an early test date after completion of the junior year. Detailed information regarding the ACT program may be secured from the applicant's high school principal or counselor or from the registrar's office at Grand Canyon College.
3. Have a high school transcript sent to the registrar's office at Grand Canyon College.
4. When the above credentials are on file, the applicant will be notified that he has been granted or denied tentative admission. If admitted, the applicant should submit a dormitory room reservation fee of \$20 if he is to live in a dormitory. (See statement on page 47.) If the applicant withdraws his application prior to August 15, the dormitory reservation fee may be refunded. In no case is the application fee refunded.
5. A final high school transcript must be submitted after the student's graduation. This transcript must state the date of graduation and the student's final numerical rank in class.
6. A health record and report, including X-ray data, must be submitted.
7. Final dormitory room assignments will not be made until all credentials, including health record, chest X-ray, personal recommendations, and photographs, are on file.

## ENTRANCE EXAMINATIONS

All beginning freshmen are required to have American College Test (ACT) scores on file with the College prior to their acceptance as students. Each prospective student should take the test by his senior year of high school and request that test scores be sent to Grand Canyon College. (The ACT Code for Grand Canyon College is 0092.)

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. (See also page 59 for international student testing program.)

### 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 75 for requirements pertaining to choice of catalog.)

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

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

### TRANSFER STUDENTS

A student transferring from another college must file all forms required under Requirements Preliminary to Admission (see page 57), with the exception of his high school transcript.

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

A transfer student who is eligible to be classified as a senior must also pass the English usage test and must file an Application for Graduation. (See page 76.)

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

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

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

A maximum of 30 hours of extension and correspondence work, including not more than 12 hours by correspondence, may be accepted for credit toward graduation. The regulations concerning credit for extension and correspondence work are stated on pages 66 and 67 of the catalog.

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

A limited number of transfer students who do not have a "C" average in all college work already attempted may be admitted provisionally. (See pages 69 and 70.)

A student who has been asked to withdraw from another college because of poor scholarship or for any other reason is considered for acceptance only if the period of suspension set by the former institution has elapsed and the college from which the student was asked to withdraw reinstates him. During his first semester he may, upon recommendation of the Dean or the Academic Affairs Committee, be required to withdraw if this appears to be in the best interest of the student and/or the College.

### INTERNATIONAL STUDENTS

In cooperation with the National Association of Foreign Student Advisers, an International Student Adviser has been designated at Grand Canyon College. International students interested in enrolling should communicate with the Foreign Student Adviser, Grand Canyon College, P. O. Box 11097, Phoenix, Arizona 85017.

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

The person must also furnish evidence of financial ability to support himself while in college.

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



## V. General Academic Regulations

Definition of Semester Hour

Numbering of Courses

Classification of Students

Deferment of Courses

Grading System and Quality Points

Academic Honors

Audit Privileges for Honor Students

Honors Study Program

Course Load

Maximum Number of Hours in a Subject

Selection of Major and Minor Subjects

Correspondence and Extension Credit

Change of Courses

Dropping of Courses

Withdrawal from all Courses

Grade Requirements

Repeating of Courses

Academic Suspension

Academic Probation

Provisional Status

Eligibility for Activities

Class Attendance

Absences from Campus and City

Permission to Take Examinations Late



## GENERAL ACADEMIC REGULATIONS

### DEFINITION OF SEMESTER HOUR

Grand Canyon College operates on the semester plan, offering two regular semesters of 15 weeks each. Credit is expressed in terms of semester hours. One semester hour normally requires the equivalent of one 55-minute class period per week throughout a semester. Adaptations of this principle are sometimes employed, especially in music and in laboratory courses. Summer sessions, composed of two terms of five weeks each, are operated on an accelerated schedule which is in accord with the semester hour principle.

### NUMBERING OF COURSES

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

Courses from 100 to 199 are freshman courses.

Courses from 200 to 299 are sophomore courses.

Courses from 300 to 399 are junior courses.

Courses from 400 to 499 are senior courses.

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

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

### CLASSIFICATION OF STUDENTS

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

A student is classified as a *sophomore* when he has 32 to 63 semester hours.

A student is classified as a *junior* when he has 64 to 95 semester hours.

A student is classified as a *senior* when he has 96 semester hours of credit, has earned a grade index of 2.00 or above, has passed the English Usage Examination, and has filed an approved plan and application for graduation.

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

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

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

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

## DEFERMENT OF COURSES

A student normally is not permitted to defer the taking of a required course. A student classified as a senior is not permitted to take as an elective a freshman level course without permission from the Dean.

## GRADING SYSTEM AND QUALITY POINTS

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

\*Not counted in computing grade point averages.

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

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

## ACADEMIC HONORS

### *Graduation with Honors*

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

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

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

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

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

### *Other Honors*

Other honors related to academic achievement are described on pages 43 and 44.

## AUDIT PRIVILEGES FOR HONOR STUDENTS

A student who qualifies for the Dean's List during the fall semester may audit one course without charge during the next spring semester or summer session. A student who qualifies for the Dean's List during the spring semester may audit one course during the next summer session or fall semester. Students are expected to audit courses in which they have an interest but which are not a part of their regular program. No student may audit a course which he plans to take for credit at a later date. This audit privilege covers the regular audit fee for any course offered the following semester or term, regardless of semester hours. It does not cover special charges.

## HONORS STUDY PROGRAM

Certain juniors and seniors who qualify may be admitted to a program of special studies. Further details are given on page 81.

## COURSE LOAD

A student living on campus is expected to carry not fewer than 12 semester hours of work, except upon the advice of the College Physician or by special consent of the Dean.

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

No student may register for more than 17 hours unless during the preceding semester he made an average of "B" or above. The maximum number of hours for any student is 18.

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

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

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

### MAXIMUM NUMBER OF HOURS IN A SUBJECT

A regular student is not allowed to take more than 42 semester hours for credit in any one subject area without special permission from the Dean.

### UPPER DIVISION REQUIREMENT

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

### SELECTION OF MAJOR AND MINOR SUBJECTS

Not later than the beginning of his junior year each student must choose the department in which he wishes to major. He must consult the head of that department regularly thereafter in selecting the courses of study to be pursued. (See also page 80.) A change of major must be approved by the two major professors concerned and the Dean of the College.

### CORRESPONDENCE AND EXTENSION CREDIT

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

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

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

### CHANGE OF COURSES

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

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

### DROPPING OF COURSES

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

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

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

### WITHDRAWAL FROM ALL COURSES

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

## GRADE REQUIREMENTS

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

The regulation concerning grades on college work taken elsewhere is given on page 59.

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

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

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

## REPEATING OF COURSES

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

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

## ACADEMIC SUSPENSION

A student classified as a freshman for two or more semesters in Grand Canyon College who has a grade index of less than 1.50 at the end of the academic year is automatically suspended for one semester.

A sophomore who does not have a grade index of 1.75 by the time he earns 64 semester hours of credit is automatically suspended for one semester.

A junior who does not make satisfactory academic progress may continue at Grand Canyon College only with permission of the Academic Affairs Committee. Normally, a junior's academic progress is considered unsatisfactory unless he has a cumulative grade index of at least 2.00 by the time he earns 95 semester hours of credit.

A student is not permitted to graduate at the end of a semester which he began with a cumulative grade index below 2.00.

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

A person reinstated after academic suspension is admitted provisionally. (See Provisional Status.)

The regulations in this section supersede all similar policies in previous catalogs and are effective for all students.

## ACADEMIC PROBATION

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

A student whose cumulative average on work attempted in Grand Canyon College drops below "C" is placed on academic probation.

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

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

A student on probation is not classified as a senior scheduled for graduation. (See page 75.)

## PROVISIONAL STATUS

A transfer student admitted with less than a "C" average, or a person reinstated after academic suspension, is admitted provisionally. A person thus admitted retains provisional status until he has earned a total of at least 12 hours in Grand Canyon College and has earned a cumulative grade point average of 2.00. If he does not have an average of 2.00 by the time he earns 12 hours, he is subject to dismissal.

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

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

### ELIGIBILITY FOR ACTIVITIES

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

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

### CLASS ATTENDANCE

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

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

3. Regular and punctual attendance is considered in assigning grades.

4. If, during a regular semester, a student is absent for any reason, authorized or unauthorized, more than three times the number of times the class meets per week, he is given a grade of "F" for the course, regardless of the quality of his work in other respects.

5. During a summer term of five weeks, the maximum number of absences is four.

6. Absences on the day immediately preceding and the day immediately following a holiday recess may be authorized only by the Dean of Students. All such absences, except those necessitated by an official activity of the college, are recorded as double absences.

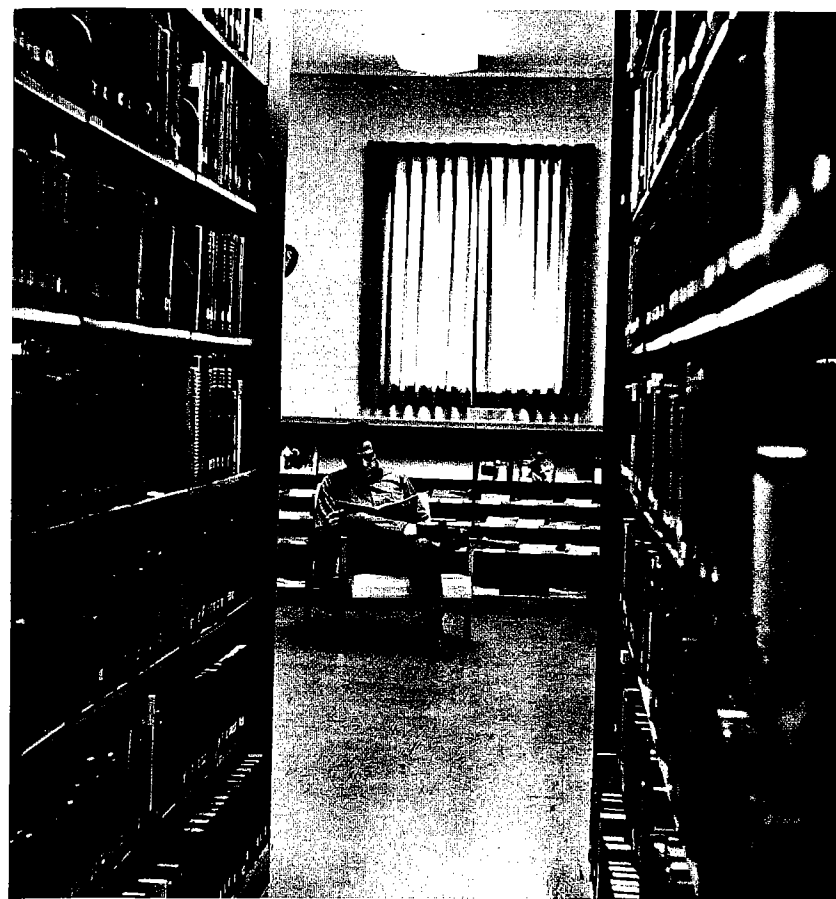
7. Class attendance records are effective as of the first day of class meetings in each semester. Students who register late are counted absent.

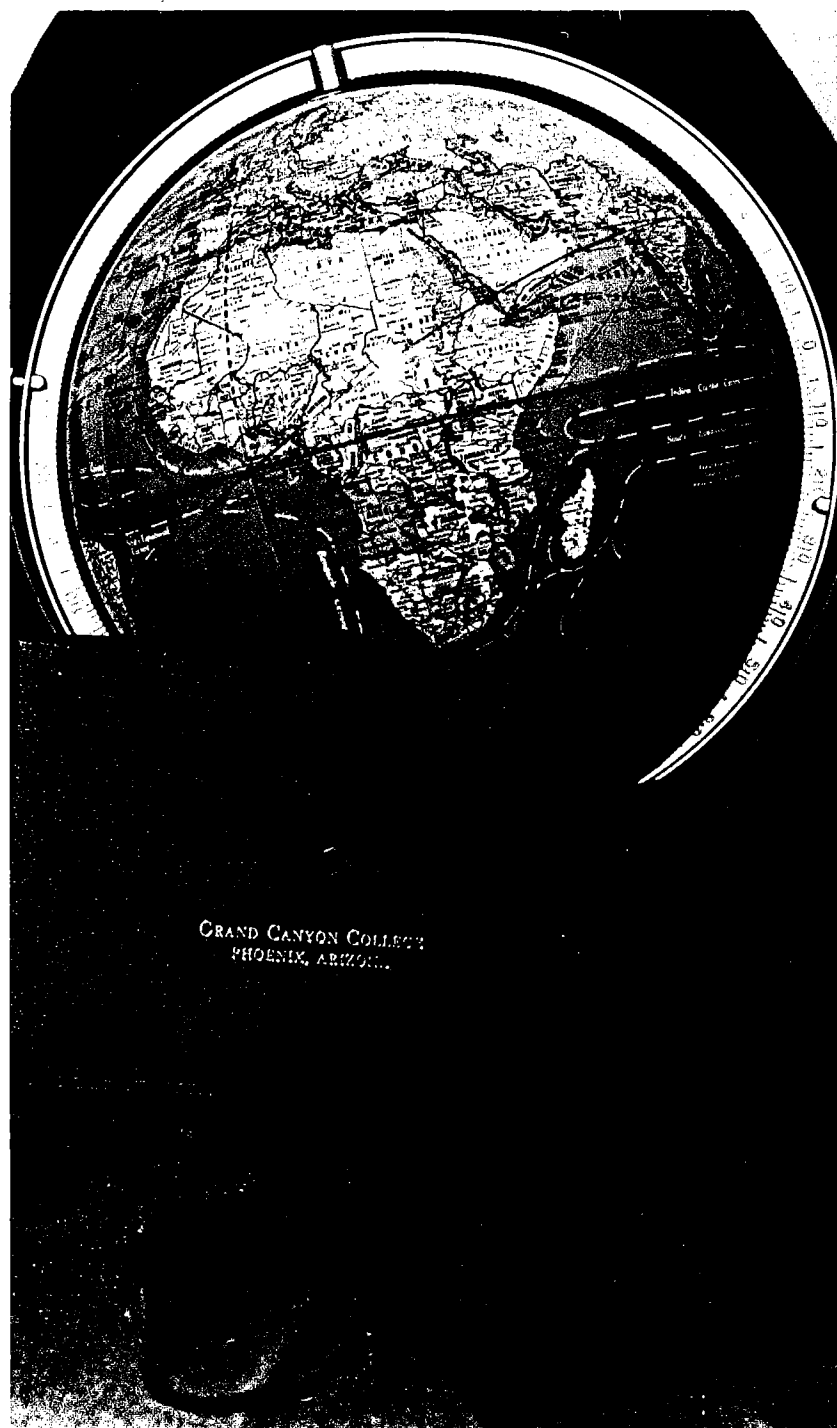
### ABSENCES FROM CAMPUS AND CITY

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

### PERMISSION TO TAKE EXAMINATIONS LATE

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





## VI. Graduation Requirements

Degrees Offered

Choice of Catalog

General Requirements for Graduation

Curricular Requirements for Graduation

Reading and Conference Courses

Honors Study Program

Specific Academic Programs in  
Relation to Degrees

## GRADUATION REQUIREMENTS

### DEGREES OFFERED

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

The Bachelor of Arts degree is granted to majors in English, History, Music, Religion, Social Studies, and in Behavioral Sciences with foreign language.

The Bachelor of Science degree is granted to majors in Biology, Business, Elementary Education, Mathematics, Music Education, and Physical Education, and in Behavioral Sciences without foreign language.

### CHOICE OF CATALOG

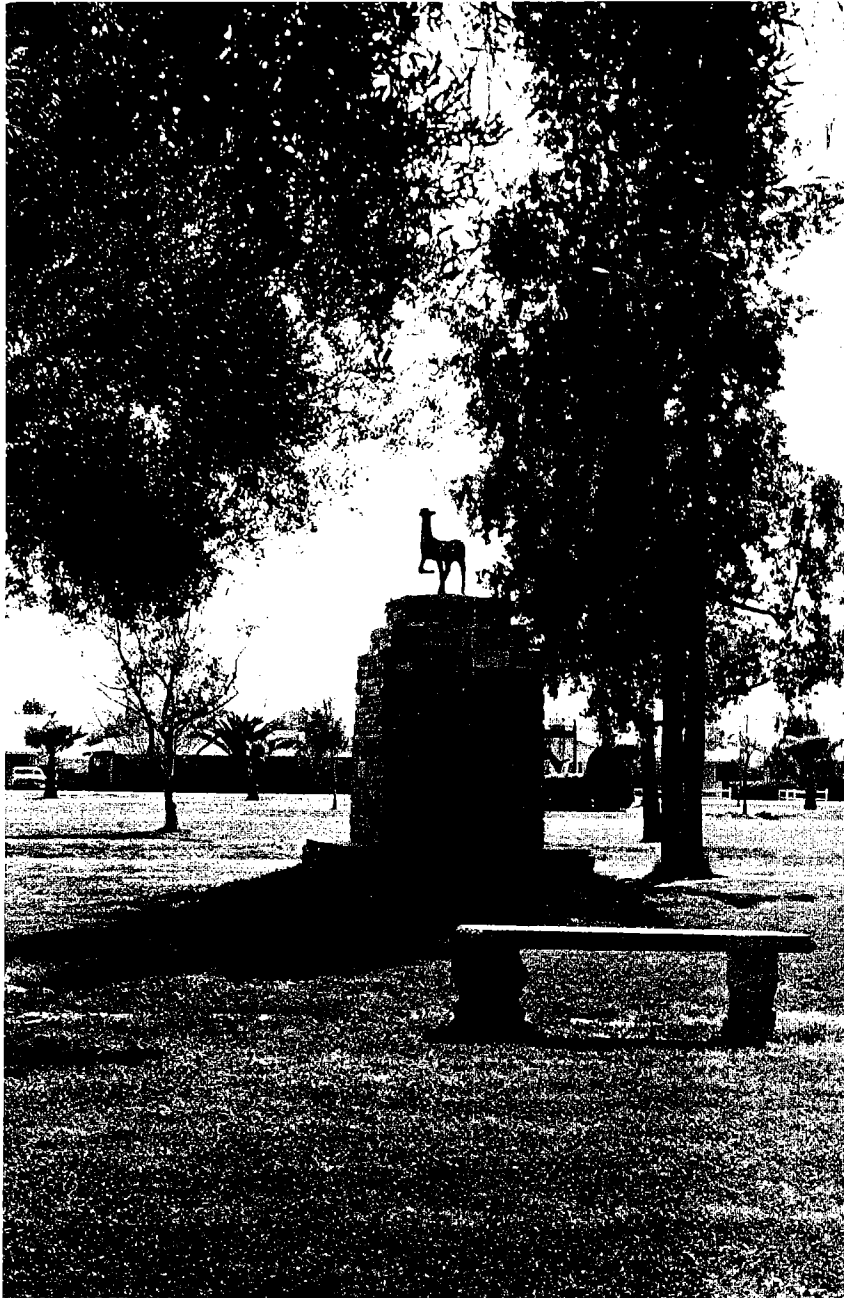
Ordinarily a candidate for a degree is expected to meet the graduation requirements as stated in the catalog in effect at the time of his first matriculation. If he completes graduation requirements more than six years after the date of his first matriculation, however, he must meet the requirements of a later catalog, thus: 1) if he has been a continuous student during the regular sessions, he must meet the requirements of the catalog in effect when application for his graduation is approved; 2) if he has been out of Grand Canyon College for one or more regular semesters, he must meet the requirements of the catalog in effect at the time of his latest matriculation. Any student may elect to meet the requirements of the catalog in effect at the time of his graduation.

### GENERAL REQUIREMENTS FOR GRADUATION

**NUMBER OF HOURS AND GRADE INDEX.** The total number of semester hours required for graduation is 128 with a minimum grade index of 2.00, indicating an average of "C," on all work taken at Grand Canyon College. At least 45 hours must be upper division credit.

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

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



**ENGLISH USAGE.** Each student classified as a junior by the Registrar's Office must take tests provided by the English Department at the earliest opportunity. In case of failure, the student must retake the tests during the following semester. In case of a second failure, the student must enroll in a course prescribed by the English Department. This requirement includes transfer students and must be met before a student may be classified as a senior.

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

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

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

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

**GRADUATION WITH HONORS.** The requirements for graduation with honors are stated on pages 64 and 65.

**CORRESPONDENCE AND EXTENSION CREDIT.** Record of all correspondence and extension work transferred from another institution must be filed with the Dean and Registrar prior to enrollment in the final semester before graduation. (See pages 66 and 67 for additional information concerning correspondence and extension credit.)

**MINIMUM AMOUNT OF LANGUAGE ALLOWED.** No credit toward graduation is given for less than a year of language taken in college unless the student has taken at least two high school units in the same language.

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

**ATTENDANCE AT COMMENCEMENT EXERCISES.** A candidate for graduation is expected to attend public commencement exercises. In extreme hardship cases a student may be excused, but only when his written request is approved by the faculty.

## CURRICULAR REQUIREMENTS FOR GRADUATION

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

### General Studies

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

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

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

## I. SPIRITUAL FOUNDATIONS OF LIFE..... 9 hours

Purpose: To develop the ability to understand and appreciate the Bible in its historical setting and to apply its teachings to contemporary situations. (A part-time student must begin meeting the Religion requirement after he has completed 12 hours at Grand Canyon College.)

- A. Old Testament History (Bible 113)
- B. New Testament History (Bible 123)
- C. Religion Elective (3 hours in upper division Bible or Religion)

II. SOCIAL FOUNDATIONS OF LIFE..... 12 hours  
Historical Foundations (9 hours)

Purpose: To develop the ability to live as a responsible citizen.

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

Philosophical and Psychological Foundations (3 hours)

Purpose: To introduce the student to the philosophical and psychological dimensions of life.

Introduction to Philosophy (Philosophy 213) or  
General Psychology (Psychology 213)

## III. SCIENTIFIC FOUNDATIONS OF LIFE.....10 hours

Purpose: To introduce the student to general areas of science and mathematics and to provide experience in the scientific method of thinking and problem solving.

- A. Mathematics and Science in Modern Life (Science 116)
- B. A laboratory course in the biological or physical sciences

IV. COMMUNICATIVE ARTS .....16 hours  
Composition and Rhetoric (6 hours)

Purpose: To develop a command of the English Language, both written and spoken.

## A. Grammar and Composition (English 113)

## B. Composition and Literature (English 123)

English Literature and the Humanities (10 hours)

(English Literature, Art Appreciation, and Music Appreciation)

Purpose: To help students understand and appreciate how individuals in their search for personal identity have communicated human experiences and emotions by means of literature, art, and music.

## A. Humanities I

## B. Humanities II

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

Purpose: To develop the ability to engage in leisure time activities and to pursue healthful habits of living.

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

## B. Health Education (3 hours)

First Aid and Safety (Health Education 203)\*\*

Personal Health (Health Education 213)\*\*

School Health Problems (Health Education 333)\*\*

Principles of Public Health (Health Education 343)\*\*

## VI. INVOLVEMENT IN CONTEMPORARY AFFAIRS

Purpose: To acquaint students with the relevance of their academic studies to current areas of concern.

This area is satisfied by participation in an appropriate number of January terms.

## VII. FOREIGN LANGUAGE .....14 hours\*\*\*

(Required for B.A. Degree.) Mathematics or Biology majors who plan to pursue a doctoral program are also encouraged to study German or French.

\*Credit in lieu of this may be allowed on the basis of active service with the Armed Forces. (See page 107.)

\*\*Choice to be determined on basis of student's vocational objective. (See page 108.)

\*\*\*One language only; should be taken consecutively. (See page 76.)

### Major and Minor Subjects

By the beginning of the junior year each student is required to select one subject area to be known as his major, in which he must present at least 30 semester hours of acceptable credit. In certain areas of study the number of semesters required for a major exceeds 30. In any case, at least 12 hours must be of junior-senior rank. A student must also have a "C" average in his major and, except for courses in General Studies (pages 77 to 79), he is not permitted to count in his major any course in which he makes a grade below "C." A candidate for a secondary teaching certificate must have a "C+" (2.50) average, or above, in his teaching major.

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

Transfer students should consult the paragraph concerning minimum residence (page 76.)

### Elective Courses

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

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

### READING AND CONFERENCE COURSES

Course numbers 491, 492, and 493 have been reserved for reading and conference courses which instructional departments of the college wish to approve. These courses may be taken only by upper division students who have completed at least one semester in residence. To be eligible, a student must have a cumulative scholarship index of at least 3.00 in his major or field of specialization. Normally, a student may register for reading and conference courses only in his major field.

Applications must be made well in advance of regular registration. The application must include a letter requesting permission to take the course, a brief description of the content of the course, the readings to be accomplished, and the evaluative procedures to be followed. The application must be approved by the adviser, by the instructor under whom the student is to work, by the chairman of the department, and by the head of the division in which the course is taken. Final approval is to be made by the Dean. Normal fees apply to these courses.

### HONORS STUDY PROGRAM

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



### SPECIFIC ACADEMIC PROGRAMS IN RELATION TO DEGREES

It is assumed that in many instances the student will not decide until the beginning of his junior year what his major and minor will be. The suggestion that the first and second years be devoted almost exclusively to general requirements is intended to encourage the student to study in the widest possible variety of fields, in order that he may determine wherein his greatest interest lies. Each of the following programs is a guide or check sheet for the student. Every specific course listed is a required course.

#### Suggested Program for Bachelor of Arts Degree Candidates

For majors in English, History, Music, Religion, or Social Studies, or in Behavioral Sciences with foreign language.

*B.A. people*

Freshman Year			Sophomore Year		
	Fall	Spring		Fall	Spring
Bible 113, 123 .....	3	3	Foreign Language .....	4*	4*
English 113, 123 .....	3	3	Humanities I, II .....	5	5
History 113, 123 .....	3	3	History 233 .....	3	
Science 116 .....		6	Laboratory Science .....		4
Activity P.E. ....	1	1	Philosophy 213 or		
Electives .....	3		Psychology 213 .....		3
January term .....		3	Activity P.E. ....	1	
	—	—	January term .....		3
	13	3 16		—	—
				13	3 16

Junior Year			Senior Year		
	Fall	Spring		Fall	Spring
Foreign Language .....	3*	3*	Religion (upper division) ..	3	
Activity P.E. ....	1		Major, Minor, or		
Health Education .....		3	Electives .....	11	15
Electives .....	10	9	January term .....		3
January term .....		3		—	—
	—	—		14	3 15
	14	3 15			

\*A student continuing a foreign language from high school should begin his foreign language during his freshman year.

\*\*One language only; should be taken consecutively. (See page 76.)

For a Music major with Voice concentration, the language requirement must be met by taking French or German.

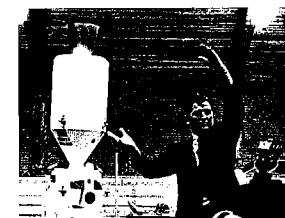
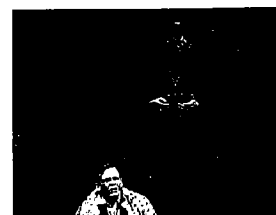
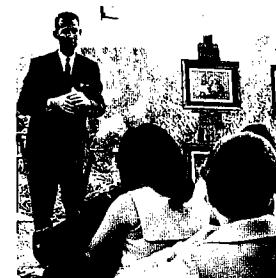
#### Suggested Program for Bachelor of Science Degree Candidates

For majors in Biology\*, Business, Elementary Education, Mathematics\*, Music Education, or Physical Education, or in Behavioral Sciences without foreign language.

Freshman Year			Sophomore Year		
	Fall	Spring		Fall	Spring
Bible 113, 123 .....	3	3	Philosophy 213 or		
English 113, 123 .....	3	3	Psychology 213 .....	3	
History 113 .....		3	Humanities I, II .....	5	5
Laboratory Science .....		4	History 123, 133 .....	3	3
Science 116 .....	6		Activity P.E. ....	1	1
Activity P.E. ....	1	1	Electives .....	2	6
Electives .....		2	January term .....		3
January term .....		3		—	—
	—	—		14	3 15
	13	3 16			

Junior Year			Senior Year		
	Fall	Spring		Fall	Spring
Religion (upper division) ..		3	Major, Minor, or		
Health Education .....	3		Electives .....	14	15
Major, Minor, or			January term .....		3
Electives .....	11	12		—	—
January term .....		3		14	3 15
	—	—			
	14	3 15			

\*Persons majoring in Biology or Mathematics who plan to pursue doctoral studies should elect 14 hours of German or French.





## VII. Divisions of Instruction and Descriptions of Courses

Division of Applied Arts and Sciences

Division of Education and Psychology

Division of Humanities

Division of Natural Science and Mathematics

Division of Religion and Social Studies



*Division of*

APPLIED ARTS  
AND SCIENCES

Department of Business and Economics

Business

Economics

Special Secretarial Program

## DIVISION OF APPLIED ARTS AND SCIENCES

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



## DEPARTMENT OF BUSINESS AND ECONOMICS

One aim of this department is to give all graduates of the College some general understanding of our economy and to inspire them to practice Christian principles, personal integrity, and high ethical standards in all aspects of business life. The department also seeks to assist the student in exploring his aptitude for further study or for a career in the field of business and to offer courses in business skills which may be beneficial to him vocationally or personally.

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

Business 143	3 hours
Business 153	3 hours
Economics 213 and 223	6 hours
Business 214 and 233	7 hours
Business 343	3 hours
Business 353 and 363	6 hours
Electives in Business and Economics (3 hours upper division)	6 hours

(All persons majoring in Business are required to demonstrate the ability to use the typewriter effectively before a degree is granted. Students who have not had a course in basic typewriting or who cannot pass the proficiency test, may gain this skill by taking such a course in an accredited high school or college. Students in Business Education must have proficiency equivalent to the requirements for Intermediate Typewriting. Students who feel that they are proficient to this extent may take a special typewriting test given by the Business and Economics Department. If the test is passed, notation is made on the student's transcript. The typewriting course or the proficiency test must be taken before the student takes Business 383, Business Communications. See page 24 for the cost of taking the special typewriting examination.)

### Requirements for a minor in Business\*\*

Business 143	3 hours
Business 214	4 hours
Business 353	3 hours
Economics 213	3 hours
Electives in Business (3 hours upper division)	5 hours

\*When a minor in Economics or Office Administration 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 usual requirement of 30 hours in his Business major.

\*\*A person who desires to be certified in business as a teaching minor must present at least 24 semester hours in appropriate courses. Additional information may be secured from faculty personnel.

## Requirements for a minor in Economics\*

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

## Requirements for a minor in Office Administration\*

Business 122 and 212	4 hours
Business 163 and 223	6 hours
Business 143 or 243	3 hours
Business 313 and 383	6 hours

\*When a minor in Economics or Office Administration 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 usual requirement of 30 hours in his Business major.

## BUSINESS

Business 122. INTERMEDIATE TYPEWRITING. Open to persons who have acquired a speed of at least 30 words per minute. Provides practice in letter writing, tabulation, business forms, and rough drafts, with special emphasis on speed. 3 hours of class weekly. *Every spring—2 hours*

Business 212. ADVANCED TYPEWRITING. Attention is given to the building of speed as it applies to office production techniques, including transcription, reports, tabulation forms, and duplicating processes. 3 hours of class weekly. Prerequisite: Business 122. *Every spring—2 hours*

Business 143. BUSINESS MATHEMATICS. A basic course in the principles of mathematics as related to business, including such fundamental mathematical operations as interest and discount, annuities, depreciation, ratio and proportion, and the use of graphs with mathematical computations. *Every spring—3 hours*

Business 153. INTRODUCTION TO COMPUTER SCIENCE. A study of the history, flow-charting, languages, programming, and application of electronic data processing to current business areas and research in other disciplines. *Every fall—3 hours*

Business 163. INTERMEDIATE SHORTHAND. A course that follows one semester or one year of high school shorthand or one semester of college shorthand. An additional study of theory, brief forms, business-letter phrases, and practice in reading, writing, and dictation. Aimed at the attainment of a dictation speed of 80 words per minute. 3 hours of class weekly, 2 hours of laboratory. Prerequisite: High school shorthand or approval based on proficiency in reading and writing shorthand plates. *Fall, 1972, and alternate years—3 hours*

Business 223. DICTATION AND TRANSCRIPTION. Speed building, techniques on dictation and transcription, with emphasis on accuracy, readable form, mailable letter preparation. 3 hours of class weekly. Prerequisite: Business 163 or equivalent. *Spring, 1973, and alternate years—3 hours*

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

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

Business 243. BUSINESS MACHINES. A course designed to give the student instruction in efficient operation of modern business machines, including ten-key and full-key adding machines, printing calculators, and rotary calculators, with practical business application problems, including percentages, discounts, payroll computation, prorating, reciprocals, and markups. *Fall, 1971, and alternate years—3 hours*

Business 313. OFFICE PROCEDURES. A general office practice and procedure course designed to prepare the individual for initial employment in a business office. Clerical and typewriting skill development, filing, postal services, mail handling, using the telephone, banking and credit services, work in a mechanized office, office management, and advancement on the job. *Spring, 1972, and alternate years—3 hours*

Business 323. BUSINESS FINANCE. The financial structure of various types of business organizations, including sole proprietorships, partnerships, and corporations. Methods of securing and managing funds to meet short-term and long-term capital requirements. Financial problems are considered in connection with refunding, reorganization, mergers, and consolidations. Prerequisite: Business 233 and Economics 223. *Spring, 1972, and alternate years—3 hours*

Business 343. BUSINESS STATISTICS. (Same as Mathematics 363 and Psychology 363) A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the

application of statistical methods. Prerequisite: Mathematics 113 or equivalent.

*Every spring — 3 hours*

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

*Every fall — 3 hours*

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

*Every spring — 3 hours*

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

*Fall, 1972, and alternate years — 3 hours*

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

*Spring, 1973, and alternate years — 3 hours*

Business 393. PRINCIPLES OF MARKETING. An examination of present marketing structure, commodities, advertising, institutions, and social and economic trends. Prerequisite: Economics 213.

*Fall, 1972, and alternate years — 3 hours*

## ECONOMICS

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

*Every fall — 3 hours*

Economics 223. PRINCIPLES OF ECONOMICS. A continuation of Economics 213, with special attention given to the theory and application of advanced economic analyses related to present-day problems. Prerequisite: Economics 213 or equivalent.

*Every spring — 3 hours*

Economics 343. CONSUMER ECONOMICS. A survey of the modern trends with which the consumer should be familiar. A study of standards of living, consumer income and expenses, retailing and distribution of consumer goods, consumer credit, laws which affect consumers, household budgeting, investments, insurance, and taxes.

*Fall, 1972, and alternate years — 3 years*

Economics 353. ECONOMIC GEOGRAPHY. (Same as Geography 353.) A study of the products of agriculture, commerce, and industry, and the conditions which affect their production, exchange, and consumption.

*Summer, 1971, and alternate years — 3 hours*

Economics 363. MONEY AND BANKING. A general survey of commercial banking operations, the Federal Reserve System, the qualities of a good monetary system, the theory of value of money, money and banking history, deposit insurance, and foreign exchange. Prerequisite: Economics 213.

*Fall, 1971, and alternate years — 3 hours*

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

*Summer, 1971, and alternate years — 3 hours*

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

*Spring, 1973, and alternate years — 3 hours*

## SPECIAL SECRETARIAL PROGRAM

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

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

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

### First Year

	Semester Hours	
	Fall	Spring
English 113 and 123 (First Year English) .....	3	3
Bible 113 and 123 (Old and New Testament History) ....	3	3
Physical Education (Activity Course) .....	1	
Business 122 (Typewriting) .....		2
Business 143 (Business Mathematics) .....		3
Business 163 (Shorthand) .....	3	
Business 243 (Business Machines) .....	3	
Speech .....		3
Electives .....		2
January Term .....		3
	13	3 16

### Second Year

	Semester Hours	
	Fall	Spring
Physical Education (Activity Course) .....	1	
Business 153 (Introduction to Computer Science) .....	3	
Business 214 and 233 (Principles of Accounting) .....	4	3
Business 212 (Advanced Typewriting) .....		2
Economics .....	3	
Psychology 213 (General Psychology) .....	3	
Business 223 (Dictation and Transcription) .....		3
Business 313 (Office Procedures) .....		3
Business 383 (Business Communications) .....		3
Business 383 (Business Communications) .....		3
Electives .....		3
January Term .....		3
	14	3 17

## Division of

## EDUCATION AND

## PSYCHOLOGY

### Department of Education and Psychology

### Department of Health and Physical Education

Teacher Education Curricula

Apprentice Teaching

Education

Elementary Education

Secondary Education

Psychology

Health Education

Physical Education

## DIVISION OF EDUCATION AND PSYCHOLOGY

The Division of Education and Psychology is oriented toward the general purpose of Grand Canyon College. It contributes toward the realization of a liberal background through its courses in education, psychology, health, and physical education. It seeks to acquaint the student with principles and practices of education, health, and physical development. It provides professional training and supervised experience in education, physical education, and health education.



## DEPARTMENT OF EDUCATION AND PSYCHOLOGY

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

### TEACHER EDUCATION CURRICULA

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

In order to become a candidate for teacher education, a student must have completed at least 58 semester hours of college work with an average grade of "C" on all work taken. In order to be admitted as a candidate for a secondary certificate, a student must also have a 2.50 average in his teaching major. A student who has completed 75 hours before attaining a "C" average is advised to earn a degree before he applies for admission to the teacher education program.

To qualify for apprentice teaching, a student must have passed the English Usage Examination (see page 76.)

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

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

A person who desires to be certified in a certain subject as a minor teaching field for secondary schools must complete 24 semester hours (20 hours in some cases) in the subject. Additional information may be secured from faculty personnel.

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

### Elementary or Secondary, Temporary Certificate

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 apprentice teaching. Any portion of this professional preparation, including a study of psychology, curriculum, methods of teaching, and apprentice teaching, may be included in the work leading toward the bachelor's degree. In order to be recommended for a standard certificate such a person must complete an additional 30 semester hours of appropriate upper division work within the prescribed time limit. Renewal of a temporary certificate is not permitted.

### Elementary, Standard Certificate

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

### Secondary, Standard Certificate

A person who has already earned a bachelor's degree may normally qualify for a standard secondary certificate in a manner similar to that described for the standard elementary certificate except that the secondary certificate requires 30 hours of credit in one's major teaching field. Any portion of this professional preparation and of the major or minor subject area may have been included in the work already completed toward his bachelor's degree. In addition, he must have a "C+" average in his teaching major.

### Courses for Elementary Certificate (Grades 1-9)

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

Education 303	3 hours
Education 313	3 hours
Education 321	1 hour
Education 412	2 hours
Education 362	2 hours
Elementary Education 328	8 hours
Elementary Education 343	3 hours
Elementary Education 353	3 hours
Elementary Education 433	3 hours
Psychology 352 (Psychology 213 is prerequisite)	2 hours
	<hr/> 30

#### Additional courses for *Arizona* certification:

Government 303 (Required)	3 hours
Health Education 333 (Recommended)	3 hours

An Elementary Education major must present at least 24 semester hours in a first minor subject matter field. The department in the minor field will prescribe the necessary courses.

### Courses for Secondary Certificate (Grades 7-12)

#### Requirements of Grand Canyon College:

Education 303	3 hours
Education 313	3 hours
Education 321	1 hour
Education 412	2 hours
Education 362	2 hours
High School Education 323 or equivalent*	3 hours
High School Education 328	8 hours
High School Education 443	3 hours
Psychology 372 (Psychology 213 is prerequisite)	2 hours
	<hr/> 27

#### Additional requirement for *Arizona* certification:

Government 303	3 hours
*May be satisfied by taking a special methods course in major teaching field.	



### APPRENTICE TEACHING

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

## Public Schools

Ajo School District #15  
 Alhambra Elementary School District  
 Apache County High School District  
 Avondale School District #44  
 Bagdad Public Schools  
 Bisbee Public Schools  
 Bowie Public Schools  
 Buckeye Elementary School District  
 Cartwright Elementary School District  
 Chandler Public Schools  
 Chinle Public Schools  
 Clifton Public Schools  
 Copper Belt School District  
 Cottonwood-Oak Creek Public Schools  
 Creighton Elementary School District  
 Deer Valley School District #97  
 Duncan Schools  
 Dysart Elementary Schools  
 Florence Elementary Schools  
 Ft. Huachuca Accommodation Schools  
 Gilbert Public Schools  
 Glendale Elementary School District  
 Glendale Union High School District  
 Globe Public Schools  
 Holbrook Public Schools  
 Isaac Elementary School District  
 Kingman Elementary School District  
 Liberty Elementary School District  
 Litchfield Park Elementary School District  
 Littleton School District, Cashion, Arizona  
 Madison Elementary School District  
 Marana Public Schools  
 Mayer Public Schools

## Private Schools

Phoenix Christian High School

## U. S. Government Schools

Phoenix Indian School

The supervision of each apprentice teacher is performed by the school to which he is assigned. The evaluation of the apprentice teacher's work is a dual responsibility, borne by the College and by the school in which the apprenticeship is served.

Mesa Public Schools  
 Mingus Jr.-Sr. High School & Verde, #3  
 Mohawk Valley School, #17  
 Murphy Elementary School District  
 McNary Elementary School District  
 Osborn Elementary School District  
 Palo Verde Elementary School District  
 Paradise Valley School District  
 Parker Elementary School District  
 Payson Public Schools  
 Peoria Public Schools  
 Phoenix Elementary School District #1  
 Phoenix Union High School District  
 Prescott Public Schools  
 Riverside Elementary School District  
 Roosevelt Elementary Schools  
 Safford Public Schools  
 Santa Cruz Valley Union High School  
 Scottsdale Public Schools  
 Seligman Public Schools  
 Sierra Vista Public Schools  
 Stanfield Public Schools  
 Superior Public Schools  
 Tempe Elementary School District  
 Tolleson Grammar School #17  
 Tolleson Union High School District  
 Washington Elementary School District  
 Wickenburg Public Schools  
 Wilson Elementary School District #7  
 Winslow Public Schools  
 Yuma Elementary School District  
 Yuma Union High School District

## EDUCATION

Education 110. DEVELOPMENTAL READING. Emphasis is placed on the mechanics of reading, involving eye-span, reading rate, comprehension, vocabulary, and critical reading. The course is designed to help students improve their reading study skills through diagnosis of individual need and teaching of specific skills.

*Every fall — No credit*

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

*Every semester and every summer — 3 hours*

Education 313. EDUCATIONAL PSYCHOLOGY. (Same as Psychology 313.) A study of the general problems of learning, such as native and acquired characteristics, individual differences, and motivation; the different theories of learning; and the application of these problems and theories to the classroom situation. Prerequisite: Psychology 213.

*Every semester and every summer — 3 hours*

Education 321. ORIENTATION TO APPRENTICE TEACHING. Designed for students who are enrolled in apprentice teaching, to help prepare such students for experiences which await them as apprentice teachers. Administrators and supervisors from public schools are invited to participate in this orientation. Additional instruction is given by the faculty of the department. Classes meet two periods per week during the first nine weeks of the semester.

*Every semester and every summer — 1 hour*

Education 362. AUDIO-VISUAL MATERIALS AND METHODS. A survey of the role of audio-visual aids, projected and non-projected, in learning and communication, with emphasis on the selection, preparation, evaluation, and utilization of such materials and equipment.

*Every semester and every summer — 2 hours*

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

*Every semester and every summer — 2 hours*

## ELEMENTARY EDUCATION

Elementary Education 302. UTILIZING THE LIBRARY IN THE ELEMENTARY SCHOOL. A workshop course designed to help elementary teachers to integrate library material with classroom instruction. Special assistance is given in the use of the library in connection with class assignments and preparations. *Every summer — 2 hours*

Elementary Education 328. APPRENTICE TEACHING IN THE ELEMENTARY GRADES. The student is assigned to an approved school where he serves as a teacher for half a semester under the supervision of an experienced teacher. Prerequisites: Elementary Education 343 and 353. Credit only. No grade is given. *Every semester and every summer — 8 hours*

Elementary Education 343. CURRICULUM: LANGUAGE ARTS. A study of methods and materials for instruction in reading, language, composition, spelling, and writing in all the elementary grades. Prerequisite: Education 113. *Every semester and every summer — 3 hours*

Elementary Education 353. CURRICULUM: SOCIAL STUDIES, SCIENCE, AND ARITHMETIC. Designed to acquaint the elementary teacher with curriculum construction, literature, and effective techniques for the teaching of arithmetic, social studies, and natural sciences and with the recent research in these fields. Prerequisite: Education 113. *Every semester and every summer — 3 hours*

Elementary Education 373. CHILDREN'S LITERATURE AND STORY TELLING. All types of children's literature from outstanding authors are surveyed through synopses and actual reading of children's books to acquaint the student with the best stories and poems for use with children. Methods of using this type of literature and the techniques of story telling are also studies. Prerequisites: Humanities I and II. *Every fall — 3 hours*

Elementary Education 403. MODERN MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH SCHOOL. (Same as Mathematics 403.) Designed to provide an understanding of "Modern Mathematics" for teachers in the middle and upper elementary grades and junior high school. The new approaches are explained and problems solved. The following are included: systems of numeration, symbols, properties, factoring and prime numbers, modular arithmetic, logic and number sentences, etc. Prerequisite: Mathematics 113 or equivalent. *Every spring and every summer — 3 hours*

Elementary Education 412. ADVANCED INSTRUCTIONAL METHODS IN PHONICS. A workshop in the phonetic approach to a developmental reading program. The use of phonetic principles as tools to use in gaining independence in word attack is emphasized. Prerequisite: Elementary Education 343. For Secondary, High School Education 323 and 443. *Every summer — 2 hours*

Elementary Education 433. THE TEACHING OF READING IN ELEMENTARY SCHOOLS. This course presents the relationships of oral, aural, and visual factors in the teaching of reading. It is designed primarily for classroom teachers in terms of understanding techniques and procedures for dealing with the individual child. Instruction includes word recognition and comprehension, with various approaches to the teaching of reading in the elementary school emphasized. Prerequisite: Elementary Education 343. *Every semester and every summer — 3 hours*

## SECONDARY EDUCATION

High School Education 323. HIGH SCHOOL METHODS AND PROCEDURES. A study of methods and procedures for effective teaching in high school. All methods in common use are examined and attention is given to a combination of the best in all methods. Prerequisite: Education 303. *Every semester and every summer — 3 hours*

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

High School Education 443. CURRICULUM AND PRINCIPLES OF SECONDARY EDUCATION. A study of the aims and principles of curriculum development and construction and of the basis for such aims and principles as they pertain to secondary education. Prerequisite: Education 303. *Every semester and every summer — 3 hours*

## PSYCHOLOGY

Students may major in Behavioral Sciences or minor in Psychology.

Requirements for a major in Behavioral Sciences  
(B.A. degree with foreign language or B.S. degree without language)

Psychology 213	3 hours
Sociology 213	3 hours
Sociology 313 or 323	3 hours
Philosophy 213	3 hours
Electives in Psychology (May include selected courses in Sociology) (9 hours upper division)	18 hours

Requirements for a minor in Psychology

Psychology 213	3 hours
Psychology 223	3 hours
Philosophy 213	3 hours
Electives in Psychology (May include Education 313 and 412 (6 hours upper division)	10 hours

Psychology 213. GENERAL PSYCHOLOGY. A foundation course in the science of behavior. Includes a study of the origin and development of behavior patterns, motivation, emotional behavior, sensory functions, perception, intelligent behavior, and adjustment. Simple experiments constitute a basic part of the course. *Every semester, and every summer — 3 hours*

Psychology 223. HISTORY AND SYSTEMS OF PSYCHOLOGY. A study of the origins, developments, influences, changes, and current systems of thought and experimentation in psychology. Normally taken by sophomores or juniors but may be taken by permission during the second semester of the freshman year by students who have made at least a "B" in Psychology 213 during the first semester of their freshman year. Prerequisite: Psychology 213. *Spring, 1973, and alternate years — 3 hours*

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

*Every fall — 3 hours*

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

*Spring, 1972, and alternate years — 3 hours*

Psychology 313. EDUCATIONAL PSYCHOLOGY. (Same as Education 313.) A study of the general problems of learning, such as native and acquired characteristics, individual differences, and motivation; the different theories of learning; and the application of these problems and theories to the classroom situation. Prerequisite: Psychology 213.

*Every semester and every summer — 3 hours*

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

*Spring, 1972, and alternate years — 3 hours*

Psychology 343. FUNDAMENTALS OF COUNSELING AND GUIDANCE. Designed for teachers, ministers, business persons, industrial workers, or workers in sociology. Emphasis is placed on the proper use of psychology as a tool for guidance by persons in various occupations. Prerequisite: Psychology 213. *Every summer — 3 hours*

Psychology 352. CHILD PSYCHOLOGY. An analysis of infant behavior; a study of the motor and emotional development of children; motivation, thinking, work, and play in child life; and the synthesis and integration of personality. Prerequisite: Psychology 213.

*Every semester and every summer — 2 hours*

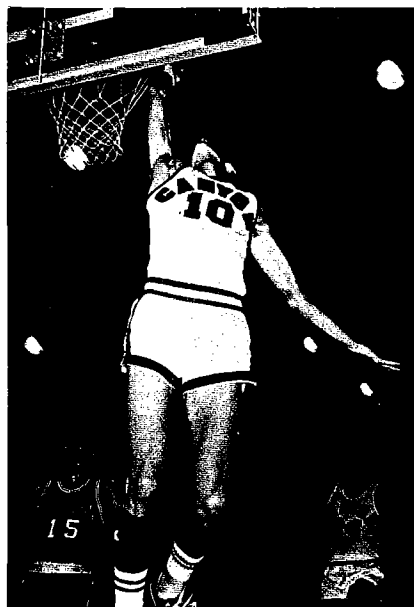
Psychology 363. INTRODUCTION TO PROBABILITY AND STATISTICS. (Same as Mathematics 363 and Business 343.) A study of elementary theories of probability, distribution, and testing of statistical hypotheses; practical experience is provided in the application of statistical methods. Prerequisite: Science 116 or equivalent. *Every spring — 3 hours*

Psychology 372. ADOLESCENT PSYCHOLOGY. An examination of the meaning and significance of adolescence; physical, mental, moral, and re-

ligious development; adolescent impulses, interests, and social tendencies; the hygiene of adolescence; and the guidance and control of adolescent behavior. Prerequisite: Psychology 213. *Every semester — 2 hours*

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

*Fall, 1972, and alternate years — 3 hours*



## DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

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

Courses are 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 Dean, a three-hour course in physical education or health education may be substituted for the entire requirement in physical education activity courses. Normally, one of the following courses suffices: Physical Education 213, 323, or 413 or Health Education 213.

Veterans of the armed services may receive up to four hours credit for physical education activity courses on the basis of military service. In general, one hour's credit for each 90 days of active service is allowed. This credit is not granted automatically to veterans. In order to establish the credit, the student must comply with instructions given by the Registrar's Office.

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

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

### Requirements for a minor in Health Education

Health Education 203	3 hours
Health Education 213	3 hours
Health Education 333	3 hours
Health Education 343	3 hours
Health Education 353	3 hours
Health Education 363	3 hours

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

Physical Education 101, 111, 131, (choice) 201, 231, 241	}	Any 4 hours
Physical Education 243		
Physical Education 273		3 hours
Physical Education 282		3 hours
Physical Education 292		2 hours
Physical Education 292		2 hours
Physical Education 313		3 hours
Physical Education 323 or 413		3 hours
Physical Education 423		3 hours
Physical Education Electives		7 hours
Also required — Health Education 353		3 hours

### Requirements for a minor in Physical Education

Physical Education 101, 111, 131	}	Any 4 hours
Physical Education 201, 231, 241		
Physical Education 243		3 hours
Physical Education 282		2 hours
Physical Education 292		2 hours
Physical Education 313		3 hours
Physical Education 323 or 413		3 hours
Physical Education 423		3 hours
Also required — Health Education 353		3 hours

### HEALTH EDUCATION

Health Education 203. **FIRST AID AND SAFETY.** Designed to develop the ability to administer emergency treatment in accordance with recommendations of American Red Cross. Also a study of safety and its contributions to the health of the nation.  
*Every spring — 3 hours*

Health Education 213. **PERSONAL HEALTH.** A study of personal health concepts with emphasis on the importance of good health in the attainment of life's goals and aspirations.  
*Every fall — 3 hours*

Health Education 333. **SCHOOL HEALTH PROBLEMS.** An investigation of the health problems encountered in the school environment and the role of the school personnel in meeting these needs.  
*Every spring — 3 hours*

Health Education 343. **PRINCIPLES OF PUBLIC HEALTH.** A study of

the public health agencies and their contribution to the health of the community. Also includes fundamentals, philosophy, history, and functions of public health services.  
*Every fall — 3 hours*

Health Education 353. **ANATOMY AND PHYSIOLOGY.** A study of the basic structures, functions, and various systems of the human organism by means of charts, models, and observations of laboratory techniques.  
*Every fall — 3 hours*

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

### PHYSICAL EDUCATION

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

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

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

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

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

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

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

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

Physical Education 243. **HISTORY AND PRINCIPLES OF PHYSICAL**

**EDUCATION.** A study of the aims and objectives of physical education, of its standards, ideals, principles and policies, and of the place of physical education in modern life. The history of physical education is also studied, emphasizing leaders of the past and present. *Every fall—3 hours*

Physical Education 273. **RECREATION ADMINISTRATION.** A study of playground activities and their administration. *Every spring—3 hours*

Physical Education 282. **PROFESSIONAL ACTIVITIES.** Individual and dual sports. Skills in physical education activities for the physical education major and minor. (3 class periods per week) *Every fall—2 hours*

Physical Education 292. **PROFESSIONAL ACTIVITIES.** Team sports. Skills in physical education activities for the physical education major and minor. (3 class periods per week) *Every spring—2 hours*

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

Physical Education 323. **PHYSICAL EDUCATION FOR ELEMENTARY GRADES.** A study of the development of a program of physical activities adapted to the school situation and to the individual needs of the child. Prerequisite: Physical Education 243 or consent of instructor. *Every spring and every summer—3 hours*

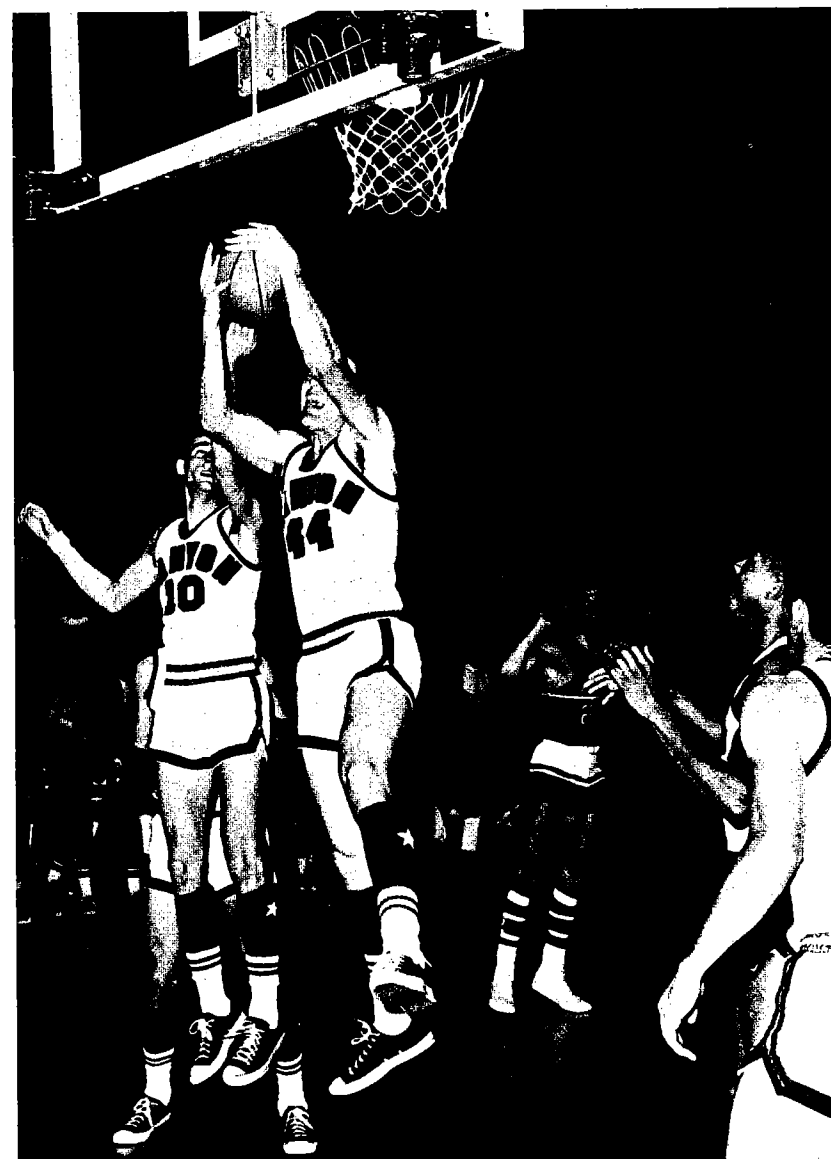
Physical Education 333. **ATHLETIC COACHING, BASKETBALL.** A study of the fundamentals, drill habits, team organization, offensive and defensive play, and coaching philosophy. *Every fall—3 hours*

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

Physical Education 363. **PHYSICAL EDUCATION FOR THE MENTALLY RETARDED.** A course devoted to the development of concepts and activities suitable for use with trainable and educable mentally retarded persons, emphasizing activities for physical education directed toward total educational objectives. *Every summer—3 hours*

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

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





*Division of*

**HUMANITIES**

**Art**

**Department of English and Speech**

**Department of Modern Languages**

**Department of Music**

**Art**

**English and the Humanities**

**Journalism**

**Speech**

**Drama**

**French**

**German**

**Spanish**

**Choral Music**

**Instrumental Music**

**Music Department Requirements**

**Music History and Fundamentals**

**Music Education and Conducting**

**Organ**

**Piano**

**Voice**

## DIVISION OF HUMANITIES

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

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



## ART

### Requirements for a minor in Art\*

Art 253	3 semester hours
Art 313	6 semester hours
Art 333	3 semester hours
Electives in Art	6 semester hours

\*A person who desires to be certified in art as a minor teaching field must present at least 24 semester hours in art. Additional information may be secured from faculty personnel.

Art 203. BEGINNING DRAWING AND PAINTING. An introduction to the elements of art in drawing and painting. Studio problems include work with still life and the model. Both linear and atmospheric perspective are investigated.  
*Every fall — 3 hours*

Art 211. ART APPRECIATION I. (Included in Humanities I; see page 108.) Designed to introduce the student to the nature of the visual arts and their function in contemporary society and to stimulate an active appreciation through the study of great art of the past and present.

*Every fall and every summer — 1 hour*

Art 221. ART APPRECIATION II. (Included in Humanities II). A continuation of Art 211.

*Every spring and every summer — 1 hour*

Art 243. BASIC DESIGN. Designed to introduce the student to the basic principles and elements of design while working in a studio situation. The student explores line, color, form, space, and texture in various media with abstract and representational compositions on a two dimensional surface.

*Every fall — 3 hours*

Art 253. THREE DIMENSIONAL DESIGN. A course introducing elementary principles involved in the use of additive and subtractive techniques in the arrangement of clay, wood, plaster, paper, stone, etc.

*Every spring — 3 hours*

Art 303. ART FOR TEACHERS. Designed to help the student develop teaching procedures involving art through various experiences using a variety of art media. Includes the planning of displays and class projects and the correlating of art with other subject matter areas.

*Every summer, spring, 1972, and alternate years — 3 hours*

1974

- ✓ Art 313. STUDIO ART. A study in the techniques of water color, oil and acrylic paints. The studio situation includes work with still life, figure, and landscape. More advanced students will be encouraged to work in their own idiom and to develop compositional problems. May be repeated for credit not to exceed six hours.  
*Every semester — 3 hours*

Art 332. ART WORKSHOP. Designed to allow the student to explore various media in a workshop-lecture situation in which drawing, painting, and print-making are investigated. May be repeated for credit not to exceed six hours.  
*Every semester — 2 hours*

- ✓ Art 333. ART HISTORY. A survey of painting, sculpture, and architecture from the 13th century A.D. to the present.

*Spring, 1973, and alternate years — 3 hours*  
1975



## DEPARTMENT OF ENGLISH AND SPEECH

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

## Requirements for a major in English (B.A. degree)

The English major shall consist of English 213 and 223, and 24 additional hours, 15 of which must be upper division. English majors must have a minimum of 14 hours in a foreign language. French or German is preferred, but Spanish is a good choice for any who might plan to teach bilinguals. The upper division work in English must include one course from each of the following groups:

- I. (American Literature) English 313, 323
- II. (Type Courses) English 333, 353, 423 ✓
- III. (Period Courses) English 303, 373, 383, 463  
(6 hours recommended from this group)
- IV. (Writing and Language) English 343, 363, 483 ✓  
(6 hours recommended for prospective teachers)
- V. (Single Author Course) English 433, 443, 453  
(6 hours recommended)

Electives may include 3 hours of speech or drama. Students preparing to teach English at the secondary level are required to take English 473. This may be substituted for High School Education 323 in meeting certification requirements.

## Requirements for a minor in English\*

English 113 and 123; Humanities I and II	16 hours
Upper division courses in English	6 hours

## Requirements for a minor in Speech and/or Drama\*

Speech 113 and 123	3-6 hours**
Speech 323 and 353	6 hours
Speech 223; Drama 213 and 243	6-9 hours**
Electives to complete total of 18 hours	

\*A person who desires to be certified in English, speech, drama, or humanities as a teaching minor must present at least 24 semester hours in appropriate courses. Additional information may be secured from faculty personnel.

\*\*Depending upon previous experience.

## ENGLISH

English 103. ~~ENGLISH AS A SECOND LANGUAGE I.~~ Designed especially for the foreign student who has some English proficiency and is planning a college career in this country. It can also be profitable for those who have bilingual or dialectal difficulties. Emphasis is upon reading, writing about the literature read, and oral participation. May be substituted for English 113.

*Every fall — 3 hours*

English 133. ~~ENGLISH AS A SECOND LANGUAGE II.~~ A continuation of English 103. Designed to help the students become progressively at ease in reading, speaking, and writing standard English. May be substituted for English 123.

*Every spring — 3 hours*

English 113. GRAMMAR AND COMPOSITION. Designed to train students in writing and speaking clearly and effectively. The work involves a study of exposition, argumentation, essays, and vocabulary and includes weekly themes. One term paper is required.

*Every semester and every summer — 3 hours*

English 123. COMPOSITION AND LITERATURE. A continuation of English 113. Includes the study of description and narration. The short story and the novel are examined. One complete novel and many short stories are read. Themes and special reports are required. Prerequisite: English 113.

*Every semester and every summer — 3 hours*

English 213. ENGLISH LITERATURE. (Must be taken concurrently with Art 211 and Music 251 to form Humanities I.) The humanities courses correlate the appreciation of art and music with a survey course in English literature enriched by an examination of its European and classical backgrounds. The philosophical, aesthetic, and historical trends in the literature, art, and music of each period are considered. Covers the period extending from earliest times through the 18th century A.D. Prerequisites: English 113 and 123.

*Every fall and every summer — 3 hours*

English 223. ENGLISH LITERATURE. (Must be taken concurrently with Art 221 and Music 261 to form Humanities II.) A continuation of English 213. Covers the period from romanticism through the modern era. Outside reading and reports are required. Prerequisites: English 113 and 123.

*Every spring and every summer — 3 hours*

English 303. CLASSICAL BACKGROUND IN ENGLISH LITERATURE. A study of English translations of works by Greek and Roman authors. A dictionary of mythology is included to familiarize the student with the most famous of the classical myths. Prerequisites: English 113 and 123 and permission of the department. *Summer, 1971 and alternate years — 3 hours*  
1973

English 313. AMERICAN LITERATURE. A study of the background and national development of American literature. Emphasis is placed on the outstanding authors of each period and on their representative works. The colonial age and the period of the Republic through Poe and Longfellow are studied. Papers and reports are required. Prerequisites: English 113 and 123.

*Summer, 1971, and alternate years — 3 hours*  
1973

English 323. AMERICAN LITERATURE. In this course the emphasis is placed on Whitman and Emily Dickinson, and on the novel, the short story, and the essay through the 19th century. Prerequisites: English 113 and 123 and junior standing.

*Spring, 1972, and alternate years — 3 hours*  
1974

English 333. THE SHORT STORY. A study of the short story as it pertains to its development, the different types, the analysis of technique, the reading of many short stories, and experience in writing. Prerequisites: English 113 and 123 and junior standing.

*Spring, 1973, and alternate years — 3 hours*  
1975

English 343. ADVANCED COMPOSITION. A course which provides for daily practice in writing, extensive reading, and the analysis of selected library works. Prerequisites: English 113 and 123 and junior standing.

*Spring, 1973, and alternate years — 3 hours*  
1975

English 353. CONTEMPORARY BRITISH AND AMERICAN POETRY. A study of the representative poets of the 20th century. The trends and influences are carefully considered. Emphasis is placed on such poets as Frost, Sandburg, T. S. Eliot, and the more recent poets. Extensive reading and some writing is required. Prerequisites: Humanities I and II.

*Fall, 1972, and alternate years — 3 hours*  
1974

English 363. ADVANCED GRAMMAR. A study of syntax, form, and mechanics of English grammar in the light of its historical background. Prerequisites: English 113 and 123 and junior standing.

*Fall, 1971, and alternate years — 3 hours*  
1973

19 courses  
Eng. papers:  
journalism  
12 drama & speech

English 373. ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY. A study of selections from Defoe, Swift, Addison, Steele, Pope, Johnson, Thomson, Collins, Gray, Goldsmith, Burke, Paine, and others. The most important prose and poetry of the century are examined. Prerequisites: Humanities I and II. *Fall, 1971, and alternate years — 3 hours*  
1973

English 383. THE ROMANTIC PERIOD IN ENGLISH LITERATURE. A study of much of the poetry and prose produced in England between 1798 and 1832. An attempt is made to arrive at a definition and understanding of romanticism. Prerequisites: Humanities I and II. *Fall, 1971, and alternate years — 3 hours*  
1973

English 423. THE BRITISH NOVEL. A study of the development of the British novel. Representative novels are read and discussed. Prerequisites: Humanities I and II. *Spring, 1973, and alternate years — 3 hours*  
1975

English 433. SHAKESPEARE. A study of important early Shakespearean plays, with attention given to their types and sources, as well as to Shakespeare's development as a dramatist. Prerequisites: Humanities I and II. *Fall, 1972, and alternate years — 3 hours*  
1975

English 443. SHAKESPEARE. A continuation of English 433. An intensive study of the great Shakespearean tragedies and later comedies. Prerequisites: Humanities I and II. *Spring, 1973, and alternate years — 3 hours*  
1974

English 453. MILTON. A study of Milton's prose work and his short poems. Special attention will be given to *Paradise Lost*. Influences and trends of the 17th century are emphasized. Term papers are required. Prerequisites: Humanities I and II. *Fall, 1972, and alternate years — 3 hours*  
1974

English 463. POETRY OF THE VICTORIAN PERIOD. A comparative study of the significant poets and poetry of the Victorian period. Through reports, discussions, and special projects an attempt is made to interpret the temper and spirit of the age as well as the individuality and special merit of each author. Prerequisites: Humanities I and II. *Spring, 1972, and alternate years — 3 hours*  
1974

English 473. THE TEACHING OF ENGLISH. A methods course designed primarily for persons who are planning to teach English at the secondary level. Attention is given to content, but especially to the organization of material for effective presentation. Prerequisites: English 113 and 123 and junior standing. *Every summer — 3 hours*

English 483. SEMINAR IN WRITING. A course planned for students who have shown exceptional ability in writing and who are capable of doing independent research and composition. Prerequisites: English 113 and 123 and junior standing, and permission of the department. *Spring, 1972, and alternate years — 3 hours*  
1974

## JOURNALISM

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

## SPEECH

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

Speech 113. FUNDAMENTALS OF SPEECH. A basic course which emphasizes voice, diction, and basic principles of oral communication. It is normally prerequisite to all other courses in speech, drama, radio, and television. *Every semester — 3 hours*

Speech 123. INTRODUCTORY PUBLIC SPEAKING AND DISCUSSION. A study of the technique and practice of public discussion. Provision is made for practice in various types of public speeches. Prerequisite: Speech 113 or evidence of adequate background. *Every spring — 3 hours*

Speech 211. INTERCOLLEGIATE FORENSICS. Designed to prepare students to participate in intercollegiate debate and other forensic activities. It may be repeated for credit not to exceed a total of four semester hours. Prerequisite: Speech 113 or consent of the instructor. *Every semester — 1 hour*

Speech 223. PERSUASIVE SPEAKING AND ARGUMENTATION. Designed to develop skill in the recognition and use of various forms of persuasive speaking for informal and formal occasions. Special attention is given to the developing of argument, the defining of issues, the marshalling of evidence, and the techniques of argument. Prerequisite: Speech 113 or 123. *Fall, 1971, and alternate years — 3 hours*  
1973

Speech 323. VOICE AND DICTION. A study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation. Prerequisite: Speech 113 or 123.

*Fall, 1972, and alternate years — 3 hours*  
1974

Speech 333. TELEVISION AND RADIO BROADCASTING. (Same as Drama 333.) An introduction to the psychology and techniques of television and radio programming and administration, with particular emphasis on scripting and producing television and radio programs for actual broadcast. The course encompasses both performance and production elements: directing, announcing, acting, writing, music selection, recording techniques, and an introduction to F. C. C. regulations.

*Spring, 1973, and alternate years*  
1975

Speech 353. ORAL INTERPRETATION OF LITERATURE. A study of the methods and techniques of interpretative oral reading of varied types of literature. Prerequisite: Speech 113 or 123.

*Spring, 1973, and alternate years — 3 hours*  
1975

## DRAMA

Drama 112. 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 develop coordination, grace, physical presence and facility in the actor, vocalist, teacher, athlete, and other persons involved in public performance. One hour per week in lecture; two hours per week in studio work and in participation in productions.

*Fall, 1972, and alternate years — 2 hours*  
1974

Drama 122. ACTING II. The art of acting through the media of dialogue, action, and analysis. Designed to lead to the psychological and physical presentation of character and to the understanding of the actor's relationship to the structure and form of the drama. One hour per week in lecture; two hours per week in studio work and in participation in performances.

*Spring, 1973 and alternate years — 2 hours*  
1975

Drama 213. INTRODUCTION TO DRAMA. Presents the historical background and the various types of drama. Actual dramatic experience is provided. Prerequisite: Speech 113 or approval of instructor.

*Spring, 1972, and alternate years — 3 hours*  
1974

Drama 233. STAGECRAFT AND PRODUCTION. Designed to provide for study of set construction, lighting, makeup, costuming, use of properties, and other backstage duties. In addition, effective organizational procedure and management are studied. Laboratory work includes the presentation of a play. May be repeated for credit not to exceed six semester hours.

*Every semester — 3 hours*

Drama 333. TELEVISION AND RADIO BROADCASTING. (Same as Speech 333.) An introduction to the psychology and techniques of television and radio programming and administration, with particular emphasis on scripting and producing television and radio programs for actual broadcast. The course encompasses both performance and production elements: directing, announcing, acting, writing, music selection, recording techniques, and an introduction to F.C.C. regulations.

*Spring, 1973, and alternate years — 3 hours*  
1975

## DEPARTMENT OF MODERN LANGUAGES

It is the purpose of the Department of Modern Languages to enlarge the student's awareness and appreciation of other cultures by helping him to develop tools of language which will enable him to pursue new interests. The materials and methods of presentation employed by the department are grounded in the belief that there is a high degree of correlation between one's appreciation of other cultures and one's ability to use their languages.

Required language courses should be taken consecutively.

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

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

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

Persons majoring in Mathematics or Biology are advised to have two years of German or French.

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

## FRENCH

French 114. ELEMENTARY FRENCH. A study of the fundamentals of grammar, pronunciation, conversation, and composition, together with graded reading. *Fall (by arrangement) — 4 hours*

French 124. ELEMENTARY FRENCH. A continuation of French 114. Prerequisite: French 114 or equivalent. *Spring (by arrangement) — 4 hours*

French 213. INTERMEDIATE FRENCH. Review, composition, conversation, and graded reading. Prerequisite: French 124.

*Fall (by arrangement) — 3 hours*

French 223. INTERMEDIATE FRENCH. A continuation of French 213. *Spring (by arrangement) — 3 hours*

## GERMAN

German 114. ELEMENTARY GERMAN. A study of the fundamentals of grammar, pronunciation, conversation, and composition, together with graded reading. *Fall (by arrangement) — 4 hours*

German 124. ELEMENTARY GERMAN. A continuation of German 114. Prerequisite: German 114 or equivalent. *Spring (by arrangement) — 4 hours*

German 213. INTERMEDIATE GERMAN. Grammar reviews, conversation, composition, and the reading of suitable texts. Prerequisite: German 124.

*Fall (by arrangement) — 3 hours*

German 223. INTERMEDIATE GERMAN. A continuation of German 213. *Spring (by arrangement) — 3 hours*

## SPANISH

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

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

Spanish 213. INTERMEDIATE SPANISH. Grammar review, conversation, composition, and the reading of suitable texts. Prerequisite: Spanish 124.

*Every fall — 3 hours*

Spanish 223. INTERMEDIATE SPANISH. A continuation of Spanish 213. *Every spring — 3 hours*

## DEPARTMENT OF MUSIC

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

One hour of credit is given for each semester of Choral Music, Concert Band, or Piano Ensemble. A combined maximum of six hours may be counted toward a degree, with not more than four hours in any one area.

## Choral Music

The Oratorio and Opera Society is an organization formed for the purpose of presenting oratorios and operas. An opera or oratorio is presented each semester. Membership is open to all students. Persons who enroll for Music 111 are members of the Society.

The Choralaires is an organization whose members are chosen by audition from the Oratorio and Opera Society. In addition to rehearsing with the parent group, the unit rehearses separately and presents concerts throughout the year in high schools, in churches, and on the campus, as well as on radio and television. The highlight of the year is the annual spring tour. The repertoire includes program selections from the better choral works of both sacred and secular music.

## Instrumental Music

Concert Band membership is open to all students who are reasonably proficient in playing an instrument and who desire to receive experience in the performance of the great masterpieces of band literature. Students who qualify, by audition with the director, are members of the group and will enroll in Instrumental Music 101.

## Student Recitals

All applied music students are expected to perform, at the discretion of the teacher, in afternoon recitals and in studio workshops. Once or twice each semester an evening honor concert is given, made up of outstanding performers from the afternoon recitals.

As prerequisite to senior work, a junior recital is required of each prospective graduate with an applied music concentration. Two or more persons combine their performance in presenting a junior recital.

A senior recital, individually performed, is required of each degree candidate with an applied music concentration. It must be completed not later than two weeks before commencement. A senior is one who is following the prescribed senior course, having completed his senior prerequisites, and who gives evidence of being able to complete his course within the year. Application for senior recital must be made at the time of the last registration prior to graduation.

In lieu of a junior or senior recital a student majoring in theory is required to submit an acceptable original composition.

#### Recital Attendance Requirement

Music majors are required to attend 75% of all music recitals. Minors are required to attend 50% and other applied music students 40%.

#### Concert Attendance Requirement

Music and Music Education majors are required to attend at least three artist concerts each semester. Minors must attend two artist concerts and other applied students, one.

#### Public Performance

Groups and individual performers are frequently sent out in response to requests from churches, clubs, and schools. Students enrolled in applied music courses are required to consult their applied music instructors before participating in any public performance.

#### Length of Lessons and Practice

In order to receive one hour of credit for organ, piano, voice, or orchestral instruments, the student is required to take one lesson of one-half hour duration each week and to practice a minimum of one hour daily, six days each week. For two hours of credit, two separate one-half hour lessons are scheduled and the practice time is increased to ten hours per week.

#### Absence from Private Lessons

Lessons missed because of the student's negligence are not made up. Lessons missed because of unavoidable circumstances or because of the absence of the instructor are made up at a time suitable to both persons. A student is expected to notify the instructor of an anticipated absence at least four hours before the scheduled lesson.

#### Change of Teacher or Concentration

When a student desires to change his applied music teacher or his concentration, he makes written request to the Chairman of the Department and a conference is scheduled with the music faculty.

#### Piano Proficiency Examination

A proficiency examination is required of all Music and Music Education majors and minors except the organ and piano concentrations. The student is asked to play all major and minor scales, perform a sonatina movement, play a Bach two part invention, supply the harmony for a figured bass, supply simple accompaniment for a melody, play the National Anthem and "America" by memory, and sight read a simple piece.

#### Jury Examination

All Music and Music Education majors and minors are required to perform before a jury of music faculty members. The final grade is determined by the quality of performance and evidence of growth exhibited in this examination.

#### Transfer Placement

Credit in applied music theory, ear training, and sight singing which is transferred from another institution must be validated by an examination by the Grand Canyon College music faculty.

#### Apprentice Teaching

The following music requirements must be completed prior to admission to apprentice teaching in the music field:

1. Completion of the following tests:
  - a. Sight Singing Test
  - b. Conducting Test (either choral or instrumental)
  - c. Piano Proficiency Examination (for all except organ or piano concentrations)
  - d. Instrumental Proficiency Examinations (brass, woodwinds, strings, and percussion)
  - e. Vocal Proficiency Examination (for instrumental concentrations only)

2. Completion of the following laboratory requirements:
  - a. Four semesters of credit for choir, orchestra, or band.
  - b. For piano or organ concentrations, minimum of two semesters of laboratory in accompanying.
3. Music Literature Examination (or pass the requirements of Music 422)
4. Satisfactory recital attendance record.

Requirements for a major in Music  
(B.A. degree)

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

1. Instrumental (orchestral) Concentration:

Private Instrument	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Piano*	4 hours
Electives in Music ***	
Concert Band (4 semesters)	4 hours

2. Organ Concentration:

Private Organ	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Organ 431	1 hour
Electives in Music ***	
Ensemble (4 semesters, preferably Concert Band and Choral Music)	4 hours

3. Piano Concentration:

Private Piano	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Electives in Music ***	
Ensemble (4 semesters, 2 in Piano Ensemble)	4 hours

4. Theory Concentration:

Music 114, 124, 214, 224, 313, 322, 332, and 402	25 hours
Music 333 and 343	6 hours
Applied Music (at least 4 hours in Piano*)	8 hours
Electives in Music ***	
Ensemble (4 semesters, preferably Concert Band and Choral Music)	4 hours

5. Voice Concentration:\*\*

Private Voice	16 hours
Music 114, 124, 214, and 224	16 hours
Music 333 and 343	6 hours
Piano*	4 hours
Choral Music (4 semesters)	4 hours

\*Student must successfully complete the Piano Proficiency Examination unless he takes at least 8 hours of Piano or Organ, in which case a modified proficiency is required.

\*\*Language requirement must be met by taking French or German.

\*\*\*Prospective teachers should take Music 422, in which case the Music Literature Examination is waived.

Requirements for a minor in Music\*

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

1. Orchestral Instrument (no voice required)

Orchestral Instrument	4 hours
Piano	3 hours
Music 114	4 hours
Music Education 371	1 hour
Band	3 hours
Music 333	3 hours

2. Voice

Voice	4 hours
Piano	3 hours
Music 114	4 hours
Music Education 371	1 hour
Choral Music	3 hours
Music 333	3 hours

## 3. Piano or Organ

Piano and Organ	4 hours
Voice	3 hours
Music 114	4 hours
Music Education 371	1 hour
Choral Music	3 hours
Music 333	3 hours

\*A person who desires to qualify for music or music education as a minor teaching field must present at least 24 semester hours in the appropriate concentration. Additional information may be secured from faculty personnel.

Requirements for a major in Music Education  
(For persons planning to teach public school music)  
(B.S. degree)

A student who desires to work toward certification for teaching music in elementary or high school and at the same time earn a college degree works toward the Bachelor of Science degree as outlined on page 83. He meets the requirements for Elementary Certificate or Secondary Certificate (see pages 98-99), all the requirements listed below in Category I, and the requirements in one of the fields of concentration listed in Category II. Before being admitted to apprentice teaching in Music, he must also meet the Music Department requirements prerequisite to apprentice teaching. (See pages 127 and 128.)

For prospective teachers of music in high school, a minor of at least 18 hours in some teaching subject other than music is required. It is recommended that such students select a minor in English or in some field of social studies.

## Category I: (The student takes all of these courses)

Music Education 333 and 413	6 hours
Music Education 211, 221, 231, and 241	4 hours
Music Education 371 and 381	2 hours
Music 114, 124, 214, 224	16 hours
Music 322 and 332	4 hours
Music 333 and 343	6 hours
Music 422 (suggested elective) *	

## Category II: (The student selects one of these areas of concentration)

## 1. Orchestral Instrument Concentration:

Private Instrument	8 hours
Piano**	4 hours
Music Education 332	
Concert Band (7 semesters of participation)	4 hours
Choral Music (Participation recommended)	No credit

## 2. Organ Concentration:

Private Organ	8 hours
Voice	4 hours
Music 313	3 hours
Ensemble (7 semesters of participation, preferably Choral Music and Concert Band)	4 hours

## 3. Piano Concentration:

Private Piano	8 hours
Voice	4 hours
Music 313	3 hours
Ensemble (7 semesters of participation, preferably Choral Music and Concert Band)	4 hours

## 4. Theory Concentration:

Music 114, 124, 214, 224, 313, 322, 332, and 402	25 hours
Music 333 and 343	6 hours
Applied Music (at least 4 hours in Piano*)	8 hours
Ensemble (4 semesters, preferably Concert Band and Choral Music)	4 hours

## 5. Voice Concentration:

Private Voice	8 hours
Piano**	4 hours
Music Education 402	2 hours
Choral Music (7 semesters of participation)	4 hours
Concert Band (Participation recommended)	No credit

\*Before being admitted to apprentice teaching in Music, the student must either complete Music 422 or pass the Music Literature Examination.

\*\*Student must successfully complete the Piano Proficiency Examination unless he takes at least 8 hours of Piano or Organ.

## Requirements for a minor in Music Education\*

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

## 1. Orchestral Instrument Concentration:

Orchestral Instrument	3 hours
Piano	2 hours
Music 114	4 hours
Music Education 371	1 hour
Music Education 333 or 413	3 hours
Music Education 211, 221, 231, or 241**	2 hours
Concert Band	3 hours

## 2. Voice Concentration:

Voice	3 hours
Piano	2 hours
Music 114	4 hours
Music Education 371	1 hour
Music Education 333 or 413	3 hours
Music Education 211, 221, 231, or 241**	2 hours
Choral Music	3 hours

## 3. Piano or Organ Concentration:

Piano or Organ	3 hours
Voice	2 hours
Music 114	4 hours
Music Education 371	1 hour
Music Education 333 or 413	3 hours
Music Education 211, 221, 231, or 241**	2 hours
Choral Music	3 hours

\*A person who desires to qualify for music or music education as a minor teaching field must present at least 24 semester hours in the appropriate concentration. Additional information may be secured from faculty personnel.

\*\*It is suggested that the student take, as electives, Music 422 and the two instrument courses which are not taken as requirements.

## MUSIC

Music 111. CHORAL MUSIC. Successive semesters of choral music. May be repeated for credit not to exceed four hours for Choral Music and not to exceed six hours in combination with Concert Band and Piano Ensemble. An oratorio or an opera is presented during the semester. Membership is open to all students. Students who sing in the Choralaires are selected by audition from those who are enrolled for Choral Music. This unit has additional rehearsal periods. *Every semester — 1 hour*

Music 112. FUNDAMENTALS OF MUSIC. A course designed to give an elementary understanding of notation, general terms, and the basic elements of music: harmony, melody, and rhythm. For non-music majors. No credit for music majors. No prerequisite. *Every Spring — 2 hours*

Music 114. ELEMENTARY THEORY OF MUSIC. An integrated course in musicianship, including ear training, sight-singing, dictation, and written and keyboard harmony. Study is devoted to the structure of music for the purpose of developing skill in creative expression as well as skill in analyzing and understanding music being studied or performed. Designed for music majors and minors. Three hours of class work and two hours of laboratory. Prerequisite: A satisfactory score on the Freshman Theory Placement Examination which attests to the student's knowledge of the basic elements of music. The test is administered during orientation week. *Every fall — 4 hours*

Music 124. ELEMENTARY THEORY OF MUSIC. A continuation of Music 114. *Every spring — 4 hours*

Music 214. ADVANCED THEORY OF MUSIC. Advanced study in part-writing, including chromatic and other non-harmonic tones; further study in sight-singing and dictation; and keyboard application of theoretical materials. Three hours of class work and two hours of laboratory. Prerequisite: Music 124, or the equivalent. *Every fall — 4 hours*

Music 224. ADVANCED THEORY OF MUSIC. A continuation of Music 214. *Every spring — 4 hours*

Music 251. MUSIC APPRECIATION I. (Included in Humanities I; see page 118.) Designed to contribute to the intellectual, emotional, and aesthetic understanding of music as expression, as science, and as an art closely akin to all other fine arts. Great works of music are heard in the hope that the student will gain some insight into music's inner workings and that he will develop a discriminating and intelligent appreciation of the best in music.

*Every fall and every summer — 1 hour*

Music 261. MUSIC APPRECIATION II. (Included in Humanities II.) A continuation of Music 251.

*Every spring and every summer — 1 hour*

Music 313. COUNTERPOINT. A practical study of 16th to 18th century counterpoint in its various species in two to four part writing. Prerequisite: Music 224.

*Fall, 1972, and alternate years — 3 hours*

Music 322. FORM AND ANALYSIS I. A study of the structure of music: motif and phrase, lied, rondo, variation, sonata, and programmatic forms. Prerequisite: Music 224.

*Fall, 1971, and alternate years — 2 hours*

Music 332. FORM AND ANALYSIS II. A continuation of Music 322.

*Spring, 1972, and alternate years — 2 hours*

Music 333. MUSIC HISTORY I. A survey of music from primitive times to the middle of the 18th century A. D. Presents the growth of music through the contrapuntal schools culminating in the work of J. S. Bach. The development of opera and oratorio and the rise of homophonic music are studied.

*Fall, 1972, and alternate years — 3 hours*

Music 343. MUSIC HISTORY II. A continuation of Music 333 from the 18th century to modern times. Study is devoted to the art song, the nationalist schools, the principal composers of the classical, romantic, and modern periods, and masterpieces of these periods.

*Spring, 1973, and alternate years — 3 hours*

Music 402. MODERN HARMONY. An introduction to contemporary compositional devices, providing opportunities for practical understanding through experiences in composing.

*Summer 1972, and alternate years*

Music 422. MUSIC LITERATURE. A survey of music literature including masterworks of chamber music, symphony, concerto, choral music, and opera, with emphasis on style and aesthetics. Prerequisites: Music 333 and 343.

*Spring, 1973, and alternate years — 2 hours*

## MUSIC EDUCATION

Music Education 211. BRASS INSTRUMENT CLASS. A practical study of the high and low brass instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

*Every fall — 1 hour*

Music Education 221. STRING INSTRUMENT CLASS. A practical study of the high and low string instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

*Every spring — 1 hour*

Music Education 231. WOODWIND INSTRUMENT CLASS. A practical study of the high and low woodwind instruments. The student learns to play, care for, and teach each instrument. Prerequisite: Sophomore standing.

*Every spring — 1 hour*

Music Education 241. PERCUSSION INSTRUMENT CLASS. A study of the principal percussion instruments. The student learns the basic rudiments of each instrument and how to care for it, as well as how to teach it. Prerequisite: Sophomore standing.

*Every fall — 1 hour*

Music Education 302. MINISTRY OF MUSIC. A survey of materials and methods for the entire church choir program, including all age groups. Special attention is given to organization problems.

*Summer, 1973, and alternate years — 2 hours*

Music Education 332. INSTRUMENTAL MUSIC PRACTICUM. An introduction to the organizational facets of an instrumental music program, elementary through high school. The course includes marching band techniques, repair of instruments, scheduling, public relations, contests and festivals, public performance, music rooms and equipment, library, uniforms, inventory, tests and measurements, and finance.

*Every fall — 2 hours*

Music Education 333. MUSIC IN THE PRIMARY AND ELEMENTARY GRADES. A study and demonstration of methods and materials for the first six grades. A study is made of problems encountered with each grade level. Lesson plans are prepared. Visits are made to observe actual teaching situations.

*Every fall — 3 hours*

Music Education 371. CHORAL CONDUCTING. A study of the fundamentals and techniques of conducting hymns, anthems, and other choral music. Problems of directing vocal groups are studied. Special emphasis is placed on interpretation. Prerequisite: Junior standing or consent of instructor.  
*Every fall—1 hour*

Music Education 381. ADVANCED CONDUCTING. A continuation of Music Education 371, but with more attention given to instrumental music. Includes a study of choral and instrumental literature. Emphasis is placed on score reading, artistic interpretation and the conducting of marches, overtures, symphonies, etc. Prerequisite: Music Education 371.  
*Every spring—1 hour*

Music Education 402. VOCAL METHODS AND PEDAGOGY. A study of skills for the teaching of voice to individuals or groups. Vocal problems are analyzed and corrected.

*Summer, 1972, and alternate years—2 hours*

Music Education 413. MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOLS. A study of methods for developing and conducting the music program in junior and senior high school, including the organization of choruses and glee clubs, the classification of voices, the development of music appreciation, the selection of music literature, etc. Prerequisite: Music 112 or consent of instructor.  
*Every spring—3 hours*

## INSTRUMENTAL MUSIC

Instrumental Music 101. CONCERT BAND. Provides experience in the performance of music written for band. May be repeated for credit not to exceed four hours for Concert Band and not to exceed six hours in combination with Choral Music and Piano Ensemble.  
*Every semester—1 hour*

Instrumental Music 131 or 132. PRIVATE ORCHESTRAL INSTRUMENT. Successive semesters of private instruction in an orchestral instrument. A study of fundamentals of tone production, scales, and technique for playing the instrument of the student's choice. Solo selections for the instrument from recognized composers are studied. Course number and amount of credit are based upon the amount of instruction and practice required.

*Every semester—1 hour or 2 hours*

## ORGAN

Students normally must have completed approximately six years of piano study or the equivalent before they begin the study of organ. Such preparation should include a knowledge of the major and minor scales, Bach Inventions, easier sonatas of Mozart and Beethoven, and compositions by romantic and modern composers.

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

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

*Every spring—1 hour*

Organ 131 or 132. PRIVATE ORGAN. Successive semesters of private instruction in organ. A study of organ technique, including hymn and service playing. Repertoire progressively includes works by Bach, Bonnet, Mendelssohn, Dupre, Franck, Brahms, Reubke, Vierne, and modern composers, and transcriptions for organ. Attention is ultimately given to accompaniment for soli, cantatas, etc., and preparation for junior and senior recitals. Course number and amount of credit are based upon the amount of instruction and practice required.  
*Every semester—1 hour or 2 hours*

Organ 431. ORGAN LITERATURE AND ACCOMPANIMENT. Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignment for accompanying a choir is given the student. Prerequisite: Two years of college organ.  
*1 hour*

## PIANO

Piano 101. PREPARATORY PIANO. Successive semesters of private piano instruction for persons with no previous piano training. Equivalent amount of class piano may be substituted for the first two semesters.

*Every semester—1 hour*

Piano 111. CLASS PIANO. Class instruction in elementary piano for students with no previous piano training. Adult preparatory books, such as Oxford and John Thompson, are used.  
*Every fall—1 hour*

Piano 121. CLASS PIANO. A continuation of Piano 111.

*Every spring—1 hour*

Piano 131. PRIVATE PIANO. Successive semesters of private instruction in piano. A study of piano technique, including major and minor scales in octaves, broken chord exercises, scales in thirds, sixths, and tenths, and with arpeggios in sevenths. Literature progressively includes works by Czerny, Bach, Mozart, Chopin, Debussy, Beethoven, Clementi, and other classic, romantic, and modern composers. Preparation is ultimately made for junior and senior recitals. Course number and amount of credit are based upon the amount of instruction and practice required.

*Every semester — 1 hour or 2 hours*

Piano 331. PIANO ENSEMBLE. Provides experience in playing piano literature written for four hands and literature for two pianos. Open to qualified students. Two semesters are required of all piano majors. May be repeated for credit not to exceed two hours, and not to exceed six hours in combination with Concert Band and Choral Music.

*Every semester — 1 hour*

## VOICE

Voice 111. CLASS VOICE I. Class instruction in the fundamentals of correct breathing, tone production, and diction. A laboratory course, designed for students with little or no previous voice training, to aid in developing vocal ability. Repertoire includes elementary songs.

*Every fall — 1 hour*

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

*Every spring — 1 hour*

Voice 131. PRIVATE VOICE. Successive semesters of private instruction in voice. A study of vocal technique, including fundamentals of voice production, principles of breathing, study of vowels, and essentials of tone production. The technique progressively includes studies of diatonic and chromatic scales, legato, staccato, phrasing, tone color, diction, style and interpretation. Preparation is ultimately made for junior and senior recitals. Course number and amount of credit are based upon amount of instruction and practice required.

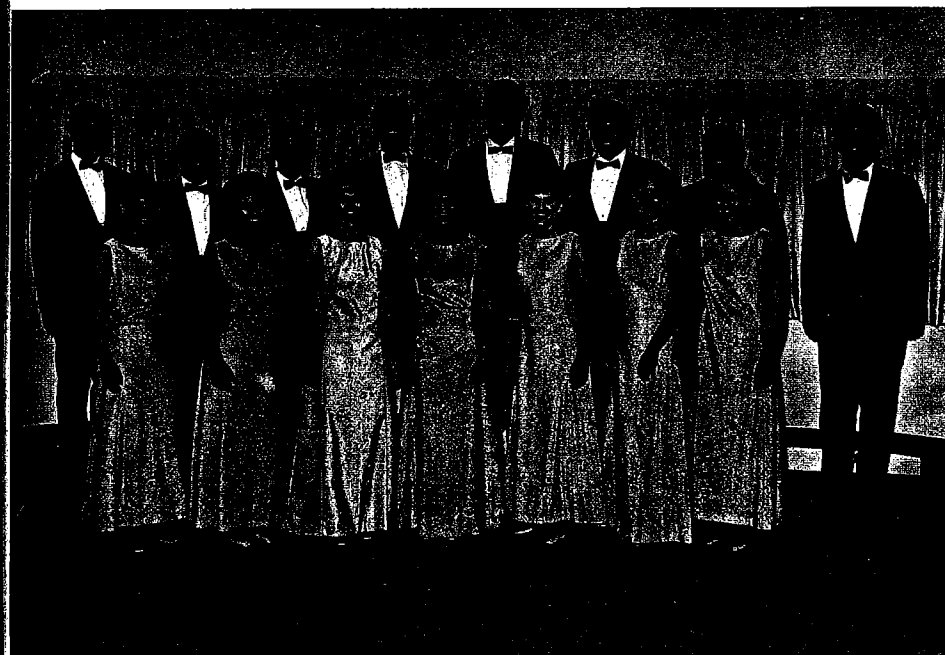
*Every semester — 1 hour*

Voice 101. VOICE DICTION I. A laboratory devoted to phonetic sounds of English and Italian, aimed at enhancing the ability to sing in these languages.

*Every fall — 1 hour*

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

*Every spring — 1 hour*





*Division of*

NATURAL SCIENCE  
AND MATHEMATICS

Department of Natural Science and Mathematics

Biology

Botany

Zoology

Chemistry

Physics

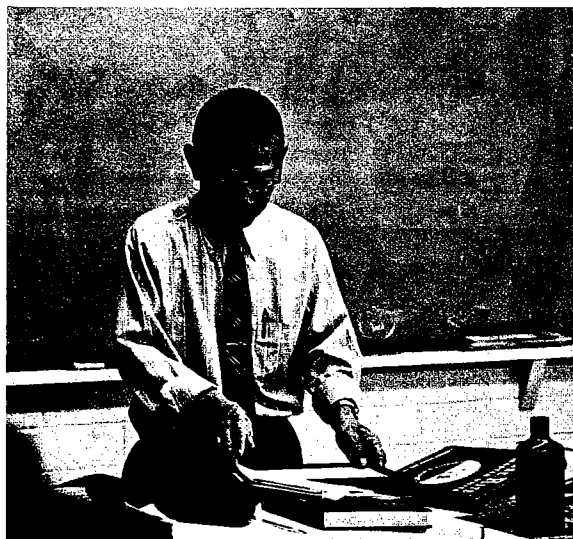
Science

Mathematics

## DIVISION OF NATURAL SCIENCE AND MATHEMATICS

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

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



## DEPARTMENT OF NATURAL SCIENCE AND MATHEMATICS

### Requirements for a major in Biology\* (B.S. degree)

Biology 114 and 124	8 hours
Biology 214 and 224	8 hours
Electives in Biology (12 hours upper division)	14 hours

### Requirements for a minor in Biology\*\*

Biology 114 and 124; or Biology 214 and 224	8 hours
Electives in Biology (6 hours upper division)	10 hours

### Requirements for a minor in Natural Science\*\*

Complete one of the following combinations of hours.

A. Physical Science ..8 hours	C. Physical Science ..8 hours
Chemistry .....8 hours	Biology .....8 hours
Biology .....4 hours	Chemistry .....4 hours
B. Chemistry .....8 hours	D. Chemistry .....12 hours
Biology .....8 hours	Biology .....4 hours
Physical Science ..4 hours	Physical Science ..4 hours

### Requirements for a minor in Physical Science

Chemistry 114	4 hours
Physics 144 or 224	4 hours
Physical science elective	10 hours

### Requirements for a major in Mathematics\* (B.S. degree)

Mathematics 153 and 163	6 hours
Mathematics 253, 273, and 283	9 hours
Upper division courses in Mathematics	12 hours
Physics 144 or 224	4 hours

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

Mathematics 123, 153, and 163	9 hours
Mathematics 253	3 hours
Upper division courses in Mathematics	6 hours

\*Two years of German or French are recommended. A person majoring in Biology must also take Chemistry 114 and 124 and Physics 144 and 224.

\*\*A person who desires to be certified in one of these areas as a teaching minor must present at least 24 semester hours in appropriate courses. Additional information may be secured from faculty personnel.

## BIOLOGY

The courses in biology are offered for the purpose of helping all students to become better acquainted with life sciences and of laying the proper foundation for persons who desire to specialize in scientific work, in medicine, or in agriculture.

Biology 114. GENERAL BOTANY. An introduction to the basic principles of living matter through a study of the functions of the higher forms of common plants. The laboratory work includes the use of the microscope, preparation of slides, and experiments illustrating plant phenomena. Life cycles of representative species are studied. *Every fall — 4 hours*

Biology 124. GENERAL BOTANY. A continuation of Biology 114, except that the lower forms of plant life are studied. No prerequisite. *Every spring — 4 hours*

Biology 214. GENERAL ZOOLOGY. Basic principles of living matter are examined through study of the lower forms of life in the animal kingdom. Dissections are made of representative specimens. *Every fall — 4 hours*

Biology 224. GENERAL ZOOLOGY. A continuation of Biology 214, except that the higher forms of animal life are studied. No prerequisite. *Every spring — 4 hours*

Biology 323. GENETICS AND EUGENICS. A study of principles of heredity as observed in plants and animals. Principles of race improvement are also considered. Prerequisites: Biology 114 and 124, or Biology 214 and 224. *Every fall — 3 hours*

Biology 344. INTRODUCTION TO EMBRYOLOGY. An elementary course based on the embryology of the chick, but with some work on certain stages of development of other animals. Prerequisites: Biology 214 and 224. *Fall 1971, and alternate years — 4 hours*

Biology 354. MOLECULAR BIOLOGY AND BIOCHEMISTRY. (Same as Chemistry 354.) A study of the molecular basis of life, including the chemistry of the living systems. It is highly recommended that this course be taken concurrently with Biology 323. *Fall, 1972, and alternate years — 4 hours*

Biology 374. ECOLOGY. A study of the principles of environmental biology, with emphasis on human ecology. Methods of environmental measurements are presented for both plant and animal population. Field study is an integral part of the course. Prerequisite: Biology 114 and 214, or permission of the instructor. *Every spring — 4 hours*

Biology 384. SYSTEMATICS AND TAXONOMY. A study of the principles of taxonomy and systematic biology. Students will learn the use of keys and the collection, preservation, and identification of insects and/or flora. Prerequisites: Biology 114 and 214 or consent of instructor. *Every spring — 4 hours*

## CHEMISTRY

Chemistry 114. GENERAL CHEMISTRY. A study of fundamental principles of chemistry and their relationship to life and society. Designed for all students within the general education portion of the curriculum and for students preparing for the professions of agriculture, medicine, science teaching, engineering, nursing, and home economics. Prerequisite: High School Algebra. *Every fall — 4 hours*

Chemistry 124. GENERAL CHEMISTRY. A continuation and expansion of Chemistry 114. Prerequisite: Chemistry 114 or equivalent. *Every spring — 4 hours*

Chemistry 324. ORGANIC CHEMISTRY. A simple presentation of the practical application of organic chemistry. Basic principles are stressed so that the course will not only equip students with some general concepts of organic chemistry, but will also meet the requirements for preagricultural, prenursing, lab technician, home economics, and industrial arts courses. Prerequisite: Chemistry 124. *Every summer — 4 hours*

Chemistry 354. BIOCHEMISTRY AND MOLECULAR BIOLOGY. (Same as Biology 354.) A study of the molecular basis of life, including the chemistry of the living systems. It is highly recommended that this course be taken concurrently with Biology 323. *Fall, 1972, and alternate years — 4 hours*

## PHYSICS

Physics 144. PHYSICS FOR LIBERAL ARTS. A survey of physics with emphasis on applications to everyday life in the modern world. The course includes mechanics (laws of motion), energy, structure of matter, sound, electricity, magnetism and light. An understanding of elementary algebra is presumed. *Every spring — 4 hours*

*Can't take before 147*  
 Physics 224. MODERN PHYSICS. A continuation of Physics 144, with an emphasis on modern applications of physics, including atomic and nuclear developments. An understanding of elementary algebra and trigonometry is presumed.  
*Every fall — 4 hours*

## SCIENCE

Science 116. MATHEMATICS AND SCIENCE IN MODERN LIFE. A study of the historical and philosophical foundations of mathematics and science and the application of these concepts in contemporary society.  
*Every semester and every summer — 6 hours*

Science 303. ASTRONOMY FOR THE SPACE AGE. An introductory and non-technical course in astronomy, including its history, the solar system, stars, constellations, and galaxies. Designed to help develop appreciation and understanding of the natural laws of the universe.  
*Spring, 1972, and alternate years — 3 hours*

Science 313. PHYSICAL GEOGRAPHY. (Same as Geography 313.) 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.  
*Summer, 1971, and alternate years — 3 hours*

Science 314. GENERAL GEOLOGY. An introduction to physical and historical geology, with emphasis on the relation of geology to man's cultural and economic development. Field experiences included.  
*Fall, 1971, and alternate years — 4 hours*

Science 413. TEACHING OF SCIENCE. Methods of instruction, organization, and presentation of appropriate content in the physical and life sciences.  
*Summer, 1972, and alternate years — 3 hours*

## MATHEMATICS

Students who have completed advanced or accelerated courses in mathematics in high school may apply for advanced placement with regard to certain mathematics courses.

Mathematics 123. COLLEGE ALGEBRA AND TRIGONOMETRY. A study of basic topics usually treated in college algebra and trigonometry. Primarily for students not intending to major in mathematics. Prerequisite: 2 years or more of high school mathematics.  
*Every spring — 3 hours*

Mathematics 153. ANALYTIC GEOMETRY AND CALCULUS I. A study of concepts of limits, differentiation and integration of algebraic functions and applications. Prerequisite: 3 years or more of high school mathematics.  
*Every fall — 3 hours*

Mathematics 163. ANALYTIC GEOMETRY AND CALCULUS II. A study of definite integrals, transcendental functions, methods of integration, linear equations. Prerequisite: Mathematics 153.  
*Every spring — 3 hours*

Mathematics 253. COLLEGE GEOMETRY. A course in the technique of construction and the procedure of proofs of common geometric figures, particularly adapted to the needs of future teachers of high school mathematics. A brief introduction to non-Euclidean geometry is also included.  
*Every fall — 3 hours*

Mathematics 273. ANALYTIC GEOMETRY AND CALCULUS III. A study of vectors and parametric equations, and of solid analytic geometry. Prerequisite: Mathematics 163.  
*Every fall — 3 hours*

Mathematics 283. ANALYTIC GEOMETRY AND CALCULUS IV. A study of partial differentiation, multiple integrals, infinite series, complex numbers, and functions. Prerequisite: Mathematics 273.  
*Every spring — 3 hours*

Mathematics 323. DIFFERENTIAL EQUATIONS. A study of the methods of solution of ordinary differential equations and their application to geometry, mechanics, and physics. Prerequisite: Mathematics 273.  
*Fall, 1972, and alternate years — 3 hours*

Mathematics 333. ANALYSIS I. The real number system, limits and continuity, and differentiation.  
*Fall, 1972, and alternate years — 3 hours*

Mathematics 353. ANALYSIS II. Riemann integration, sequences of functions, and a variety of topics such as convergence theorems.  
*Spring, 1973, and alternate years — 3 hours*

Mathematics 363. INTRODUCTION TO PROBABILITY AND STATISTICS. (Same as Business 343 and Psychology 363.) A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: Mathematics 113 or equivalent.  
*Every spring — 3 hours*

Mathematics 383. MATHEMATICS FOR TEACHERS. A study of selected phases of mathematics for prospective teachers of mathematics in secondary schools. The various techniques employed in teaching courses in mathematics are examined. Prerequisite: Mathematics 163.

*Fall, 1971, and alternate years — 3 hours*

Mathematics 403. MODERN MATHEMATICS FOR ELEMENTARY AND JUNIOR HIGH SCHOOL. (Same as Elementary Education 403.) Designed to provide an understanding of "Modern Mathematics" for teachers in the middle and upper elementary grades and junior high school. The new approaches are explained and problems solved. The following are included: systems of numeration, symbols, properties, factoring and prime numbers, modular arithmetic, logic and number sentences, etc. Prerequisite: Mathematics 113 or equivalent.

*Fall, 1972, and every summer — 3 hours*

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

*Spring, 1972, and alternate years — 3 hours*

Mathematics 423. MODERN ALGEBRA. An introduction to Algebraic structures including groups, rings, integral domains, and fields.

*Fall, 1972, and alternate years — 3 hours*



## *Division of*

## RELIGION AND SOCIAL STUDIES

### Department of Religion

### Department of Social Studies

Bible

New Testament Greek

Religion

Philosophy

Government

History

Sociology

## DIVISION OF RELIGION AND SOCIAL STUDIES

The Division of Religion and Social Studies seeks to relate the student significantly to the social and spiritual areas of his life through a study of the religious and cultural foundations of the Judaeo-Christian heritage and an examination of the history and interpersonal relations of past and present civilizations.



## DEPARTMENT OF RELIGION

The courses in the Department of Religion are intended to give students an understanding and appreciation of the Bible, to arouse in them a desire for Christian usefulness, and to equip them for leadership in the various activities of the churches.

Many of the courses in this department are designed so as to be beneficial to all college students. Some of them are courses which ministerial students should take, regardless of whether they expect to continue their studies in seminary.

### Requirements for a major in Religion (B.A. degree)

Bible 113 and 123	6 hours
Bible 373 or Religion 333	3 hours
Religion 213 or 243	3 hours
Electives in Bible or Religion* (9 hour upper division)	18 hours

### Requirements for a minor in Bible

Bible 113 and 123	6 hours
Bible 373	3 hours
Electives in Bible (3 hours upper division)	9 hours

### Requirements for a minor in Religion

Bible 113 and 123	6 hours
Bible 373 or Religion 333	3 hours
Electives in Bible or Religion* (3 hours upper division)	9 hours

\*Ministerial students should take Religion 213, 273, and 283. Other church leaders should take Religion 213 and 243.

## BIBLE

**Bible 113. OLD TESTAMENT HISTORY.** An introductory and historical study of the Old Testament. Attention is given to the institutions, religion, literature, and national life of the Hebrew people from earliest times to the close of the Old Testament period.

*Every semester and every summer — 3 hours*

Bible 123. NEW TESTAMENT HISTORY. A general historical survey of the New Testament, beginning with the inter-Biblical period, with the main emphasis given to the Gospels and Acts.

*Every semester and every summer — 3 hours*

Bible 333. OLD TESTAMENT PROPHETS. A study of the writing prophets of the Old Testament, with special attention given to the Messianic element, the occasion of writing, authorship, content, and interpretation. Prerequisites: Bible 113 and 123. *Summer, 1972, Spring, 1973, and alternate years — 3 hours*

Bible 353. OLD TESTAMENT POETRY. A study of the poetical books of the Old Testament, with reference to their literary style, occasion of writing, authorship, content, and interpretation. Prerequisites: Bible 113 and 123. *Summer, 1971, and alternate years — 3 hours*

Bible 373. CHRISTIAN DOCTRINES. A systematic study of the major doctrines of the Bible, with special attention given to the doctrines and practices of Baptists. Prerequisites: Bible 113 and 123. *Every fall — 3 hours*

Bible 423. GENERAL EPISTLES AND REVELATION. A study of the historical background, authorship, and exegetical analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: Bible 113 and 123.

*Summer, 1972, spring, 1973 and alternate years — 3 hours*

Bible 433. LIFE AND TEACHINGS OF CHRIST. A study of the life of Jesus, with special attention given to his person, teachings, and work. Prerequisites: Bible 113 and 123. *Every fall — 3 hours*

Bible 443. LIFE AND LETTERS OF PAUL. A study of the life and times of the apostle Paul, with an interpretation of his epistles based upon their historical setting. Prerequisites: Bible 113 and 123. *Every spring — 3 hours*

Bible 463. BIBLICAL BACKGROUNDS. A geographical and archaeological survey of Palestine and the countries near it, including the important political, social, and religious customs and conditions which have a bearing on Biblical history. Prerequisites: Bible 113 and 123.

*Summer, 1971, spring, 1972, and alternate years — 3 hours*

## NEW TESTAMENT GREEK

The courses listed below are designed to enable the student to acquire an early mastery of the essentials of inflection and syntax, to resolve the principal difficulties of grammatical analysis, and to develop in the student a vigorous and independent interest in the Greek New Testament. Fourteen hours of Greek (two years) meets the Foreign Language requirement for the Bachelor of Arts degree.

Greek 274. BEGINNER'S GREEK. Designed for persons who are studying Greek for the first time and for others whose preparation does not fit them for entering a more advanced class in Greek. Designed to give the fundamentals necessary to the study of the Greek New Testament. Sophomore standing or special permission is required. *Every fall — 4 hours*

Greek 284. BEGINNER'S GREEK. A continuation of Greek 274. A study of Davis' Grammar is completed, with simple exercises for reading and translation. Special attention is given to the meaning of the cases, the prepositions, and tenses. Prerequisite: Greek 274 or equivalent.

*Every spring — 4 hours*

Greek 373. ADVANCED GREEK GRAMMAR. For second year students of the Greek New Testament. There is a review of forms, syntax, and prose composition. The student is required to translate the First Epistle of John and is given, with each lesson, a demonstration of the significance of verb forms as vital to accurate translation. Prerequisite: Greek 284.

*Every fall — 3 hours*

Greek 383. ADVANCED GREEK GRAMMAR. A continuation of Greek 373. This course includes an exegesis of one short New Testament book, designed to help prepare the student for the use of the most effective methods of exegesis of the Greek New Testament. Prerequisite: Greek 373.

*Every spring — 3 hours*

## RELIGION

Religion 213. A SURVEY OF RELIGIOUS EDUCATION. An introductory and survey study of religious education, with emphasis upon history, philosophy, objectives, educational techniques, and the correlated functions of the major program organizations of the local church. Attention also is given to the means of organized cooperation between churches.

*Spring, 1972, and alternate years — 3 hours*

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

*Spring, 1973, and alternate years — 3 hours*

Religion 273. PASTORAL DUTIES. A study of practical duties and problems of the modern pastor in translating New Testament principles into present day practice. Such matters as ordination, baptism, the Lord's Supper, marriages, and funerals are studied. Prerequisites: Bible 113 and 123.

*Fall, 1971, and alternate years — 3 hours*

Religion 283. HOMILETICS. A study in the art of preparing and delivering sermons. There is actual practice in the delivery of sermons. Attention is given to the building and use of a personal library as an aid to preaching. Prerequisites: Bible 113 and 123.

*Fall, 1972, and alternate years — 3 hours*

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

*Spring, 1972, and alternate years — 3 hours*

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

*Fall, 1971, and alternate years — 3 hours*

Religion 473. RELIGIONS OF AMERICA. A study of the lesser known religions in America which are related to Christianity but which are not in the main stream of Christian thought and practice.

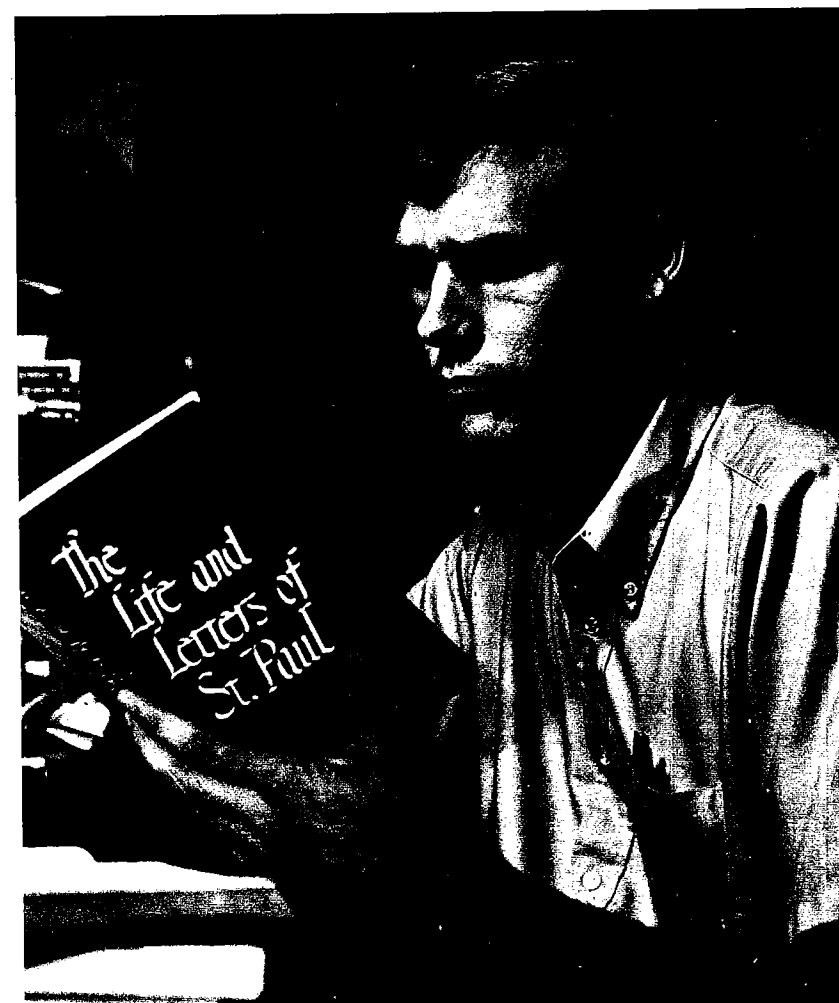
*Fall, 1972, and alternate years — 3 hours*

## PHILOSOPHY

Philosophy 213. INTRODUCTION TO PHILOSOPHY. A survey of the types of philosophy, the basic problems which man has faced, and the philosophic attempts to solve these problems. *Every semester — 3 hours*

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

*Fall, 1971, and alternate years — 3 hours*



## DEPARTMENT OF SOCIAL STUDIES

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

Requirements for a major in Behavioral Sciences  
(B.A. degree with foreign language or B.S. degree without language)

Sociology 213	3 hours
Sociology 313 or 323	3 hours
Psychology 213	3 hours
Philosophy 213	3 hours
Electives in Sociology or Psychology (9 hours upper division)	18 hours

Requirements for a major in History\*  
(B.A. degree)

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

\*A scholarly research project may be required in connection with an upper division history course taken during the senior year. The subject of the project is selected by the student in consultation with his instructor in the course and the chairman of the Social Studies Department. The project must indicate a grasp of the proper techniques of research and writing.

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

Requirements for a minor in History

History 113, 123, and 233	9 hours
History 213 and 223	6 hours
Upper division course in History	3 hours

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

History 113, 123, and 233	9 hours
History 213 and 223	6 hours
Sociology 213 and 223	6 hours
Government 303 or 353	3 hours
Economics 213	3 hours
Upper division courses in Social Studies	9 hours

## Requirements for a minor in Social Studies\*

History 113, 123, and 233	9 hours
Sociology 213	3 hours
Government 303 or 353	3 hours
Upper division course in Social Studies	3 hours

## Requirements for a minor in Government

Government 303	3 hours
Electives in Government	15 hours

## Requirements for a minor in Sociology

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

\*A person who desires to be certified in social studies as a teaching minor must present at least 24 semester hours in appropriate courses. Additional information may be secured from faculty personnel.

## GEOGRAPHY

Geography 313. PHYSICAL GEOGRAPHY. (Same as Science 313.) 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.

*Summer, 1971, and alternate years — 3 hours*

Geography 333. WORLD GEOGRAPHY. A course for teachers. A study of the divisions of the physical environment and of the relationship of man to each division in the major geographic areas of the world. Curriculum and teaching techniques are stressed. *Summer, 1972 and alternate years — 3 hours*

Geography 353. ECONOMIC GEOGRAPHY. (Same as Economics 353.) A study of the commodities of agriculture, commerce, and industry, and the conditions which affect their production, exchange, and consumption.

*Summer, 1971, and alternate years — 3 hours*

## GOVERNMENT

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

*Every semester — 3 hours*

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

*Fall, 1971, and alternate years — 3 hours*

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

*Spring, 1972, and alternate years — 3 hours*

Government 333. EARLY POLITICAL THOUGHT. A study of the evolution of European and American political doctrines, with special attention given to the men and the forces producing them. A study of the theories and historical emergence of such concepts as absolutism, natural rights, and democracy. From classical origins through the 18th century enlightenment. Prerequisite: 6 hours of History or Government.

*Fall, 1972, and alternate years — 3 hours*

Government 343. CONTEMPORARY POLITICAL THOUGHT. A continuation of Government 333, dealing with the men and ideas which have affected government in the 19th and 20th centuries. Special attention is given to American political thought and to the study of socialism, communism, and facism in the modern world. Prerequisite: Government 333 or sufficient work in History or Philosophy to provide an adequate background.

*Spring, 1973, and alternate years — 3 hours*

Government 352. FEDERAL GOVERNMENT. The first half of Government 303, a survey of American Government. This half meets the teacher certification requirements in National Government. *Every semester — 2 hours*

Government 353. FEDERAL GOVERNMENT AND POLITICAL STRUCTURE. A study of the Federal Government of the United States. Designed to furnish a guide to an understanding of American citizenship and of various phases of the constitutional system of the United States. Prerequisite: Sophomore standing.

*Every summer — 3 hours*

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

*Every semester — 2 hours*

Government 363. ARIZONA GOVERNMENT. The first half of the course concentrates on Arizona History from pre-territorial days to the present, emphasizing economic and social developments as well as political factors. The second half of the semester is devoted to a study of the structure of Arizona's government at the state, county, and local levels. Each half of the course may be taken separately for 1½ hours each. Prerequisite: Sophomore standing.

*Every summer — 3 hours*

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

*Spring, 1972, and alternate years — 3 hours*

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

*Spring, 1973, and alternate years — 3 hours*

## HISTORY

History 113. HISTORY OF CIVILIZATION I (TO THE RENAISSANCE). Designed to introduce the student to the origin and early development of Western civilization, with attention given to the cultural, political, and socioeconomic factors. Non-Western civilizations are also considered.

*Every semester and every summer — 3 hours*

History 123. HISTORY OF CIVILIZATION II (RENAISSANCE - 1900). A continuation of History 113. The Renaissance and Reformation are studied and related to the transition from medieval to early modern culture. Attention is given to the centralized territorial state, to the rise and decline of absolutism, and to intellectual, political, and industrial revolutions of Europe and their impact upon the world into which Europe expanded.

*Every semester and every summer — 3 hours*

History 233. HISTORY OF CIVILIZATION III (SINCE 1900). A continuation of History 113 and 123. A more detailed study of the swiftly changing tide of events that characterize the revolutionary world of today. Special attention is given to the evolving split between democracy and totalitarianism. Emphasis is placed on the role of the United States in the twentieth century. *Every semester and every summer — 3 hours*

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

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

History 312. SEMINAR IN ASIAN STUDIES. Through conference and seminar methods, students are introduced to the history, philosophies, religions, life styles, art, music, and drama of the Asian people. Field trips and guest lecturers are featured. The seminars are varied to avoid duplication. May be repeated for a total of six hours credit. *Every summer — 2 hours*

History 313. HISTORY OF ENGLAND TO 1815. A study of the origin and the development of the English people, with particular attention given to their political, social, economic, and cultural institutions. Prerequisites: History 113 and 123. *Fall, 1972, and alternate years — 3 hours*

History 333. THE RENAISSANCE AND REFORMATION. A study of changing European institutions in the age of the Renaissance: the rise and various manifestations of humanism; the religious and political revolt against Rome; Catholic and Counter Reformations; rise of nationalism and capitalism. Prerequisite: History 113. *Fall, 1971, and alternate years — 3 hours*

History 343. THE FRENCH REVOLUTION. A study of the Old Regime and French Enlightenment; political and social revolutions of 1789; the attempts of France to establish a stable government during the 1790's, the foreign war, the Terror, Robespierre and the Republic of Virtue; Napoleon Bonaparte and the First French Empire, their impact upon France and upon Europe; Waterloo and the Congress of Vienna. Prerequisites: History 113 and 123. *Spring, 1972, and alternate years — 3 hours*

History 352. SEMINAR IN AFRICAN STUDIES. Designed for students who desire a greater understanding of the history, background, and traditions of the African people. Varied each summer to avoid duplication. May be repeated for a total of six hours credit. *Every summer — 2 hours*

History 373. LATIN AMERICAN HISTORY. A study of the conquest and development of Central and South America by the Spanish and the Portuguese, including colonial systems, institutions, regional differentiation, and the wars of independence. Latin American republics from the era of independence to the present. Prerequisite: 6 hours of History. *Spring, 1972, and alternate years — 3 hours*

History 383. ECONOMIC HISTORY OF THE UNITED STATES. (Same as Economics 383.) A study of the economic development of the nation in agriculture, manufacturing, commerce, transportation, money and banking, labor organization, and labor legislation. Prerequisites: Economics 213 and History 213 and 223. *Summer, 1971, and alternate years — 3 hours*

History 393. AMERICAN DIPLOMATIC HISTORY. (Same as Government 393.) The diplomatic history of the United States from independence to the present. A major emphasis is given to United States diplomacy and foreign policy since World War I. Prerequisite: 6 hours of history or government. *Spring, 1972, and alternate years — 3 hours*

History 413. RUSSIA AND THE NEAR EAST. A study of the Russian peoples and their rulers from the earliest times to the present, including the development of a Russian *volksgeist*, with its autocracy, sadness, violence, and national aspirations. Russian expansion during the Romanov period, the Near East in its relations with Russia, the Bolshevik Revolution, and Soviet Russia. Prerequisites: History 113 and 123. *Fall, 1971, and alternate years — 3 hours*

History 423. CONSTITUTIONAL HISTORY OF THE UNITED STATES. (Same as Government 423.) A study of the origin, development, interpretations, and amendments to the United States Constitution. Special emphasis is given to the interpretations of the Constitution by the courts. Prerequisite: 6 hours of history or government. *Spring, 1973, and alternate years — 3 hours*

History 433. NINETEENTH CENTURY EUROPE. A study beginning with the legacy of the French Revolution and extending to World War I. Attention is given to the new technology and the impetus it gave to the class struggle within nations, to international tensions between nations, and to the impact of Western civilization on the underdeveloped nations. Prerequisites: History 113 and 123. *Fall, 1972, and alternate years—3 hours*

History 443. TWENTIETH CENTURY EUROPE. A study of World War I and its aftermath in Europe: the peace treaties; interdependence of political and economic factors in the 20 years following, which contributed to the renewal of war; developments of World War II; and the United Nations and contemporary efforts to establish peace. Prerequisites: History 113 and 123. *Spring, 1973, and alternate years—3 hours*

History 473. THE TEACHING OF SOCIAL STUDIES. A methods course designed primarily for persons who are planning to teach history, political science, or related social studies subjects at the secondary level. Attention is given to the obtaining of material for presentation and to the effective methods of presentation. Prerequisites: History 113, 123, and 233 and Junior standing. *Summer, 1972, and alternate years—3 hours*

History 493. THE WEST IN AMERICAN HISTORY. A study of the westward movement: the advancing frontier and western political, economic, and social development from the colonial period to the 20th century. Prerequisites: History 213 and 223. *Spring, 1973, and alternate years—3 hours*

## SOCIOLOGY

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

Sociology 223. SOCIAL PROBLEMS. A general study of the problems created by dependents, defectives, and delinquents, and by the existence of intemperance, war, family disorganization, crime, and poverty. Prerequisite: Sociology 213. *Every spring—3 hours*

Sociology 303. SOCIAL PSYCHOLOGY. (Same as Psychology 303.) A study of social and group factors affecting individual behavior. Attention is given to the development of attitudes, leadership roles, group thinking, sources of conflict, effects of competition and cooperation, analysis and evaluation of propaganda techniques, and the influence of mass communication on social awareness and control. Prerequisite: Psychology 213 or Sociology 213. *Spring, 1972, and alternate years—3 hours*

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

Sociology 323. HISTORY OF SOCIAL THOUGHT. A study of social thought from ancient to modern man. This course investigates the background of modern sociology as it has been influenced by outstanding social thinkers. Prerequisite: Sociology 213. *Spring, 1972, and alternate years—3 hours*

Sociology 333. MARRIAGE AND THE FAMILY. A sociological analysis of the family, designed to contribute to an understanding of its origin, structure, and functions and to present material of a practical nature which will help young people who are seeking guidance in the choice of a partner and in the adjustments necessary to successful marriage and family life. Prerequisite: Sociology 213 or junior standing. *Summer 1971, fall, 1972, and alternate years—3 hours*

Sociology 343. JUVENILE DELINQUENCY. A study of the extent and nature of juvenile delinquency: the social and personal factors related to the development of delinquent habits and the techniques for dealing with the delinquent and for redirecting youth behavior into more desirable patterns. Prerequisite: Sociology 213 or junior standing. *Spring, 1972, and alternate years—3 hours*

Sociology 353. THE AMERICAN COMMUNITY. A comparative and interrelated study of rural and urban life, considering the physical, institutional, social, cultural, and economic factors of modern living. Prerequisite: Junior standing. *Spring, 1973, and alternate years—3 hours*

Sociology 363. INTRODUCTION TO THE PROCESSES OF CRIMINAL JUSTICE. An overview of the philosophy, development, constitutional limitations, and agencies of criminal justice. Attention is also given to an evaluation of contemporary criminal justice processes. Prerequisites: Sociology 223 or permission of the instructor. *Every fall — 3 hours*

Sociology 423. AMERICAN MINORITY PEOPLES. A study of the various minority groups in the United States and their sociological significance in our national group and culture. The Negroes, Indians, Orientals, Mexicans, Jews, foreign-born, and war refugees are studied. The history and present status of American immigration policy are also considered.

*Fall, 1971, and alternate years—3 hours*



## VIII. Administration and Personnel\*

Trustees

Administration

Faculty

Faculty Committees

\* As of January 1, 1971

## BOARD OF TRUSTEES

### Term expiring 1971

Mr. Lee Faver, Buckeye .....	Farmer
Mr. John Fowler, Phoenix .....	Banker
Mr. Tom Gammage, Coolidge .....	Business
Mr. Ed Hill, Phoenix .....	Insurance
Mr. Eldon Lawson, Casa Grande .....	Farmer
Rev. Chester Pillow, Tucson .....	Pastor
Mr. E. B. Stebbins, Hayden .....	Industry

### Term expiring 1972

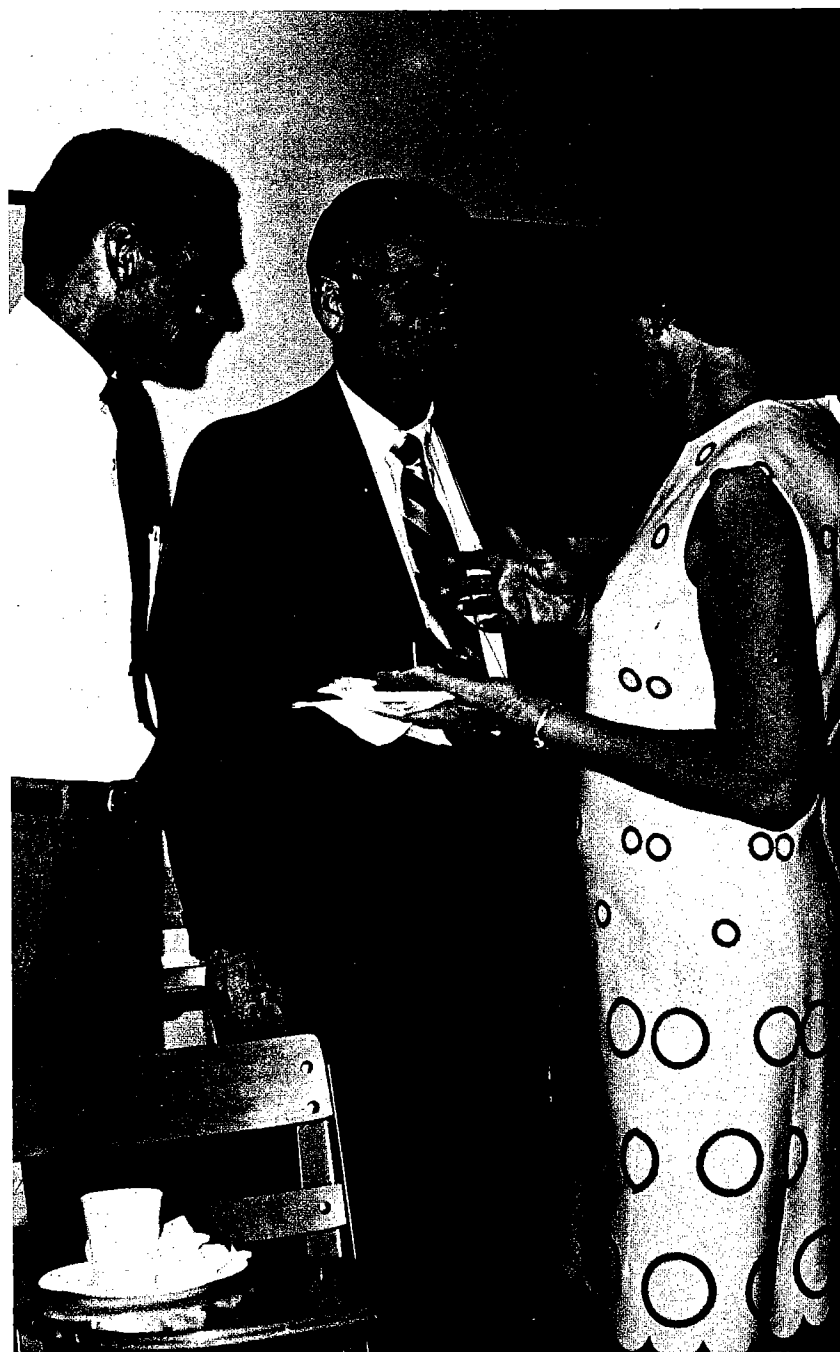
Mr. David Butler, Tucson .....	University Administrator
Mr. F. A. Carlton, Phoenix .....	Business Executive
Mr. Wendell Freeze, Yuma .....	Teacher
Dr. Tom Newman, Phoenix .....	Periodontist
Rev. Leo Pepping, Phoenix .....	Pastor
Dr. Floyd Pitman, Needles, California .....	Pastor

### Term expiring 1973

Rev. Jess Baker, Yuma .....	Pastor
Mr. Howard Dean, Eloy .....	Teacher
Mr. Ralph Ferguson, Phoenix .....	Cafeteria Owner
Dr. Charles L. McKay, Phoenix .....	Pastor
Rev. Quincy Mathis, Phoenix .....	Pastor
Dr. John Misenheimer, Prescott .....	Dentist
Rev. Don Mulkey, Las Vegas, Nevada .....	Pastor
Mr. William Pierce, Prescott .....	Insurance

### Ex-officio Member (President of the Arizona Southern Baptist Convention)

Rev. C. E. Archer, Buckeye .....	Pastor
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## ADMINISTRATION OFFICERS

Arthur K. Tyson, B.A., M.A., LL.D. .... President (1966)  
 B.A., Baylor University  
 M.A., Southern Methodist University  
 LL.D., East Texas Baptist College  
 Additional Graduate Study: Louisiana State University

Robert S. Sutherland, B.A., M.A., Ed.D. .... Dean of the College (1956)  
 B.A., Union University  
 M.A., Murray State University  
 Ed.D., Arizona State University  
 Additional Graduate Study: Northwestern University; Memphis State University;  
 University of Mississippi; Michigan State University

Harry D. Kent, B.B.A., M.B.E. .... Business Manager (1955)  
 B.B.A. Baylor University  
 M.B.E., North Texas State University  
 Additional Graduate Study: Southern Methodist University; Arizona State University

James E. Carroll, B.A., B.D. .... Dean of Students (1963)  
 B.A., Howard Payne College  
 B.D., Golden Gate Baptist Theological Seminary

Henry Wooten, B.A., Th.M., Th.D. .... Assistant to the President  
 in Development and Promotion (1970)

B.A., Arkansas College  
 Th. M., Th. D., National Bible Institute  
 Additional Study: Arkansas State University; Union University; Detroit Bible Institute

Paul Barnes, B.A., M.R.E. .... Assistant to the President  
 in Development and Promotion (1971)

B.A., Grand Canyon College  
 M.R.E., Southwestern Baptist Theological Seminary

## GENERAL ADMINISTRATIVE STAFF

Leola Brown, B.S. .... Registrar (1952)  
 B.S., Grand Canyon College  
 Additional Study: Grand Canyon College

Samuel P. Compton, Jr., B.S., M.D. .... College Physician (1970)  
 B.S., Drury College  
 M.D., University of Missouri

Charles M. Cooke,\* B.S., M.D. .... College Physician (1952)  
 B.S., University of Arizona  
 M.D., University of Utah

\*Leave of absence

Oneta Corley, B.S., M.S. .... Dean of Women (1967)  
 B.S., Southwestern State College  
 M.S., Oklahoma State University  
 Additional Graduate Study: Arizona State University

Clara J. Gilmore, R.N. .... College Nurse (1961)  
 R.N., St. Joseph's Hospital, Alton, Illinois

Helen E. Hinshaw, B.S. in Ed., M.A. in Ed. .... Director of Publicity (1969)  
 B.S. in Ed., Ball State University  
 M.A. in Ed., Ball State University

Dillard Whitis,\* B.A., M.R.E. .... Director of Financial Aids  
 B.A., Baylor University  
 M.R.E., Southwestern Baptist Theological Seminary  
 Additional Graduate Study: Texas A and M; Arizona State University

\*Leave of absence, spring and summer, 1971

## OTHER ADMINISTRATIVE PERSONNEL:

Miss Helen Baughman .... Assistant in Registrar's Office  
 Mrs. Dorothy Bickers .... Assistant in Registrar's Office  
 Mrs. Mary Carroll .... Director of Student Recruitment  
 Mrs. Lucy Conley .... Secretary in Distribution Center  
 Mrs. Mildred Crain .... Director of Women's Dormitories  
 Mrs. Wanda Elliot .... Assistant in the Bookstore  
 Miss Donna M. Haskell .... Cataloger in the Library  
 Mrs. Zula Hill .... Assistant in the Library  
 Mrs. Pauline Holcek .... Secretary to the Business Manager  
 Mrs. Norma Ledbetter .... Secretary to the Dean of the College  
 Mr. Woodrow Lewis .... Director of the Men's Dormitories  
 Mrs. Jacqueline Manker .... Secretary in Offices of  
 Student Recruitment and Development and Promotion  
 Mrs. Della May .... Assistant in the Library  
 Miss Beulah Shipp .... Bookkeeper in the Business Office  
 Mrs. Clara Shirley .... Manager of the College Bookstore  
 Mrs. Hazel Sutton .... Assistant in the Business Office  
 Mrs. Charlotte Walker .... Assistant in the Library

## CAFETERIA PERSONNEL:

Mrs. Frances Hatcher .....	Manager of Cafeteria
Mrs. Jeanette Chaney .....	Assistant in Cafeteria
Mrs. Margie Morad .....	Assistant in Cafeteria
Mrs. Jewel Phares .....	Assistant in Cafeteria
Mrs. Julie Raymond .....	Assistant in Cafeteria
Mrs. Alice Marie Crews .....	Assistant in Cafeteria
Mrs. Lelah Rose Slone .....	Assistant in Cafeteria

## STUDENT CENTER PERSONNEL:

Mrs. Izora Robertson .....	Manager
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## MAINTENANCE PERSONNEL:

Mr. Robert Holmes .....	Superintendent
Mr. W. A. Schmidt* (Superintendent)	
Mr. Iven R. Cooper	
Mr. Byron Perdue	
Mr. Herbert L. Gilbert	
Mr. Jerry F. Norfleet	

\*Retired 1971



## FACULTY

Arthur K. Tyson, B.A., M.A., LL.D. ....	President (1966)
B.A., Baylor University	
M.A., Southern Methodist University	
LL.D., East Texas Baptist College	
Additional Graduate Study: Louisiana State University	
Betty L. Beck, B.A., M.A., Ph.D. ....	Professor of English;
	Head of the Division of Humanities;
	Chairman of the Department of English and Speech (1949)
B.A., DePauw University	
M.A., University of Oklahoma	
Ph.D., University of Oklahoma	
Woodrow Berryhill, B.S., M.S. ....	Associate Professor of Education;
	Director of Teacher Education;
	Acting Chairman of the Department of Education and Psychology (1963)
B.S., Central State College	
M.S., Oklahoma State University	
Doctoral Candidate: Arizona State University	
David Burl Brazell, B.S., M.S., Ed.D. ....	Professor of Physical Education;
	Acting Head of the Division of Education and Psychology;
	Chairman of the Department of Health and Physical Education;
	Director of Athletics (1951)
B.S., State College of Arkansas	
M.S., University of Arkansas	
Ed.D., Arizona State University	
Mildred Brazell, B.A., M.A., Ed.D. ....	Professor of Physical Education (1952)
B.A., State College of Arkansas	
M.A., Arizona State University	
Ed.D., Arizona State University	
Ralph Terry Bryan, B.S., M.A., Ph.D. ....	Professor of English (1959)
B.S., M.A., Arizona State University	
Ph.D., University of Colorado	
James E. Carroll, B.A., B.D. ....	Assistant Professor of Religion (1963)
B.A., Howard Payne College	
B.D., Golden Gate Baptist Theological Seminary	
Oneta Corley, B.S., M.S. ....	Assistant Professor of Business (1964)
B.S., Southwestern State College	
M.S., Oklahoma State University	
Additional Graduate Study: Arizona State University	

Maye K. Davis, B.A. M.A.,

Instructor in Education (1970)

B.A., Pacific University  
M.A., Arizona State University  
Reading Specialist, Arizona State University  
Additional Graduate Study: Portland State University; Eastern Oregon University

Macon, Delavan, B.M.Ed., M.M., D.M.E. .... Associate Professor of Music;  
Chairman of the Department of Music (1966)

B.M.Ed., Southwest Texas State College  
M.M., Westminster Choir College  
D.M.E., University of Oklahoma  
Additional Graduate Study: North Texas State University

Marlene Delavan, B.M.Ed., M.M. .... Assistant Professor of Music (1966)

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

Joe D. Harris, B.B.A., M.B.A. .... Assistant Professor of Business;  
Chairman of the Department of Business and Economics (1969)

B.B.A., Baylor University  
M.B.A., Texas Christian University  
Additional Graduate Study: University of Oklahoma; University of Tulsa; Arizona State University; Southwestern Baptist Theological Seminary

Helen E. Hinshaw, B.S. in Ed., M.A. in Ed. .... Instructor in Journalism (1969)

B.S. in Ed., Ball State University  
M.A. in Ed., Ball State University

William R. Hintze, B.S., B.D., Th.D. .... Assistant Professor of Religion;  
Director of Religious Activities (1969)

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

John Howerton, B.A., M.A., M.Div. \* .... Associate Professor of Social Studies;  
Chairman of the Department of Social Studies (1967)

B.A., Grand Canyon College  
M.A., Arizona State University  
M.Div., \* Midwestern Baptist Theological Seminary  
Additional Graduate Study: Arizona State University

Harry D. Kent, B.B.A., M.B.E.

Associate Professor of Business and Economics;  
Acting Head of the Division of Applied Arts and Sciences (1955)

B.B.A., Baylor University  
M.B.E., North Texas State University  
Additional Graduate Study: Southern Methodist University; Arizona State University

\*To be awarded May, 1971

Bernice E. Laabs, B.A., M.S. .... Instructor in English (1969)  
B.A., St. Olaf College

M.S., State University of Eau Claire  
Additional Graduate Study: University of Wisconsin; Arizona State University

J. Benny Lindsey .... Associate Professor of Physical Education  
Basketball Coach (1965)

B.S., Grand Canyon College  
M.S., Arizona State University  
Additional Graduate Study: Arizona State University

Esther M. McCarty, \* B.A., M.A. .... Assistant Professor of Education (1965)

B.A., Montezuma Baptist College  
M.A., Arizona State University  
Additional study: University of Arizona; William Jewell College; University of Hawaii; Central Missouri State College; University of Missouri at Kansas City; Arizona State University

Clarice Maben, B.A., M.A. .... Associate Professor of Social Studies (1949)

B.A., Grand Canyon College  
M.A., Baylor University  
Additional Graduate Study: University of Arizona

Henry M. Mann, B.S., M.A. .... Assistant Professor of Biology (1951)

B.S., Arkansas State University  
M.A., George Peabody College  
Additional Graduate Study: Arizona State University; University of Arizona

Kenneth Merrifield, B.A., B.D., M.A.  
Instructor in Behavioral Science (1968)

B.A., Ottawa University  
B.D., Central Baptist Seminary  
M.A., Arizona State University

Erdie Morris, B.S., M.A., M.P.H., Ph.D.,  
Associate Professor of Science (1970)

B.S., Arizona State University  
M.A., Arizona State University  
M.P.H., University of California  
Ph.D., Purdue University  
Additional Graduate Study: Colorado State College; Oregon State University

Ronald Phillips, B.M., M.M. .... Director of Instrumental Ensembles and  
Assistant Professor of Music (1968)

B.M., Michigan State University  
M.M., Michigan State University  
Additional Graduate Study: Arizona State University

\*Retiring May, 1971

Gordon Psalmonds, B.A., M.R.E., D.R.E. .... Professor of Religion (1954)

B.A., William Jewell College

M.R.E., Southwestern Baptist Theological Seminary

D.R.E., Southwestern Baptist Theological Seminary

Additional Graduate Study: Southwestern Baptist Theological Seminary

Marjorie Psalmonds, B.A., B.S.M., M.R.E., M.A.

Associate Professor of Music (1960)

B.A., William Jewell College

B.S.M., Southwestern Baptist Theological Seminary

M.R.E., Southwestern Baptist Theological Seminary

M.A., Arizona State University

Additional Graduate Study: Columbia University; Arizona State University;  
Washington University; Union Theological Seminary

J. Niles Puckett, B.A., LL.B., Th.M., Th.D. .... Professor of Religion;

Head of the Division of Religion and Social Studies;

Chairman of the Department of Religion (1949)

B.A., Mississippi College

LL.B., Cumberland University

Th.M., Southern Baptist Theological Seminary

Th.D., Southern Baptist Theological Seminary

Roger L. Schmidt, B.A., M.A. .... Associate Professor of English (1962)

B.A., Grand Canyon College

M.A., Arizona State University

Doctoral Candidate: Arizona State University

Linda Sue Seger, B.A., M.A. .... Instructor in Speech and Drama (1969)

B.A., Colorado College

M.A., Northwestern University

Robert S. Sutherland, B.A., M.A., Ed.D. .... Professor of English (1956)

B.A., Union University

M.A., Murray State University

Ed.D., Arizona State University

Additional Graduate Study: Northwestern University; Memphis State University;  
University of Mississippi; Michigan State University

Lou Ann Todd, B.A. .... Instructor in Art (1968)

B.A., Wheaton College

Additional Study: Ohio University; American Academy of Art; School of Art  
Institute of Chicago, Arizona State University

Shih-Ming Wang, B.A., M.A. .... Associate Professor of Science;

Acting Head of the Division of Science and Mathematics;

Chairman of the Department of Natural Science and Mathematics (1953)

B.A., University of Shanghai

M.A., George Peabody College

Additional Graduate Study: University of Arizona; Arizona State University;

University of California at Los Angeles; University of Wyoming; Texas A. and

M. University; New York University; Vanderbilt University; Emory University

Grace Weller, B.A., M.Mus. .... Associate Professor of Music (1950)

B.A., Georgetown College

M.Mus., Cincinnati Conservatory of Music

Additional Graduate Study: University of Kentucky; University of California at

Los Angeles; University of Vienna; Akademie für Musik und Darstellende  
Kunst

Bill R. Williams, B.S., M.A. in Ed., M.A., Ed.D.\*

Assistant Professor of Mathematics (1965)

B.S., Grand Canyon College

M.A. in Ed., Arizona State University

M.A., University of Illinois

Ed.D.\*, Arizona State University.

Paul A. Youngs,\*\* B.A., B.D., Th.M., M.Nat.Sci.

Associate Professor of Mathematics and Physics (1956)

B.A., University of Corpus Christi

B.D., Southern Baptist Theological Seminary

Th.M., Southern Baptist Theological Seminary

M. Nat. Sci., Arizona State University

Additional Graduate Study: Texas A. and M. University; University of  
California at Davis; George Peabody College; Arizona State University

\*To be awarded February, 1971

\*\*Leave of absence, 1970-71

## PART-TIME FACULTY

Catharine W. Bedford, B.A., M.A. .... Education

B.A., University of Arkansas

M.A., Columbia University

Fred L. Bedford, B.A., M.A., Ed. D. .... Education

B.A., Houghton College

M.A., Columbia University

Ed.D., Columbia University

- Johnny L. Beggs, B.A., M.S. ....Biology  
 B.A., West Texas State University  
 M.S., Arizona State University
- Robert E. Blaylock, B.A., M.A.\* .....History  
 B.A., Arizona State University  
 M.A.\*, Arizona State University
- Mary Borek, B.A., M.A., Ed.D. ....Psychology  
 B.A., West Liberty College  
 M.A., Columbia University  
 Ed.D., Arizona State University
- Helen Brady, B.S., M.A. ....Education  
 B.S., Arkansas State University  
 M.A., Arizona State University  
 Additional Graduate Study: Arizona State University
- Bernard Bresson, B.A., M.A., .....Social Studies  
 B.A., Wayne State University  
 M.A., Wayne State University  
 Doctoral Candidate, University of Southern California
- Fayly Cothorn, B.A., M.R.E. ....English  
 B.A., Mary Hardin-Baylor College  
 M.R.E., Southwestern Baptist Theological Seminary
- Nancy Gwen Crotts, B.S., M.A. ....Mathematics  
 B.S., Grand Canyon College  
 M.A., University of Illinois
- William Crotts, B.S., M.S., C.P.A. ....Business  
 B.S., Arizona State University  
 M.S., Arizona State University  
 C.P.A.  
 Additional Graduate Study: Arizona State University
- Earle C. Hochwald, Ph.B., B.D., M.A., Ph.D. ....Psychology  
 Ph.B., Brown University  
 B.D., Andover Newton Theological School  
 M.A., University of New Hampshire  
 Ph.D., University of Wisconsin
- Shirley Ann Johnson, B.S., M.N.S. ....Geography  
 B.S., Valley City State Teachers College  
 M.N.S., Arizona State University  
 Additional Graduate Study: Northern Arizona University; University of North Dakota; St. Cloud University.

\*To be awarded in June 1971

- Leon E. Jordan, B.S., M.S. ....Biology  
 B.S., Lincoln University  
 M.S., Kansas State University  
 Additional Graduate Study: University of California; University of Pennsylvania; University of Oregon.
- Nelda Kent, B.S., M.A. ....Education  
 B.S., Baylor University  
 M.A., Arizona State University  
 Additional Graduate Study: North Texas State University; Louisiana State University.
- Kenneth Kimsey, B.A., M.A., Ph.D.\* .....Social Studies  
 B.A., Arizona State University  
 M.A., Arizona State University  
 Ph.D.\*, University of Arizona
- Wade Oliver, B.A., M.A., .....Education  
 B.A., Arizona State University  
 M.A., Arizona State University  
 Doctoral Candidate, Arizona State University
- Patricia May Ratliff, B. Mus., M.Mus.Ed., M.Mus. ....Music  
 B.Mus., University of Arizona  
 M.Mus.Ed., University of Arizona  
 M.Mus., University of Arizona
- Arden Staples, B.A., M.A. ....Education  
 B.A., University of Arizona  
 M.A., University of Arizona
- Don Stegner, B.A. ....Art  
 B.A., Arizona State University
- Lucille Tuttle, B.A., M.A. ....Spanish  
 B.A., University of Alabama  
 M.A., University of Alabama  
 Additional Graduate Study: University of Alabama; Universidad Nacional de Mexico; Arizona State University.
- Ross Woodruff, B.A., M.A., Ed.S. ....Education  
 B.A., Grand Canyon College  
 M.A., Arizona State University  
 Ed.S., Central Missouri State College

\*To be awarded June, 1971

## COLLEGE COMMITTEES

1970-71

The President of the College is a member of all committees. The first named member is chairman.

*Administrative:*

*Administrative Advisory:* Dr. Tyson, Dr. Bryan, Mr. Carroll, Mr. Kent, Dr. Puckett, Dr. Sutherland, Dr. Wooten

*Chapel:* Dr. Hintze, Mr. Carroll, Mr. Phillips, Mrs. Todd, Mike Baird (student)

*Scholarships:* Mr. Kent, Dr. D. Brazell, Dr. Delavan, Mr. Harris, Dr. Tyson, Mr. Whitis

*Academic:*

*Academic Affairs:* Dr. Psalmonds, Mrs. Brown, Mr. Schmidt, Dr. Sutherland, Miss Weller, Mr. Whitis, Larry Fahy (student)

*Curriculum:* Dr. Puckett, Dr. Beck, Dr. D. Brazell, Mr. Kent, Dr. Sutherland, Mr. Wang, Clyde Meador (student)

*Teacher Education:* Dr. D. Brazell, Mr. Berryhill, Mrs. Corley, Miss Maben, Mr. Mann, Mrs. Psalmonds, Dr. Sutherland

*Student Publications:* Miss Hinshaw, Mrs. Brown, Miss Maben; students: Mary Ann Gasparich, Paul Jones, Douglas Sapp

*Student Affairs:*

*Dean's Council:* Dr. Sutherland, Mr. Carroll, Mrs. Corley

*Counseling:* Dr. Bryan, Dr. M. Brazell, Mr. Carroll, Mrs. Corley, Mrs. Gilmore

*Student Life:* Dr. M. Brazell, Mr. Carroll, Mrs. Corley, Dr. Hintze, Dr. Sutherland, Mrs. Todd, Dr. Tyson.

*Student members:* President of the Student Association, President of the Men's Dormitory, President of the Women's Dormitory, Representative of Women Commuters, Representative of Men Commuters.

## IX. Student Statistics

Graduates, 1969  
1970

Enrollment Statistics, 1969-70

## GRADUATES

1969

## BACHELOR OF ARTS

Larry T. Bailes, III, Baton Rouge, Louisiana  
 Roderick D. Barnes, Boise, Idaho  
 Duane A. Gagnon, Flagstaff, Arizona  
 Bobby Ray Gaines, Campbellsville, Kentucky  
 Sandra Lee Gaines, Phoenix, Arizona  
 Ronald G. Harris, Phoenix, Arizona  
 Dixie Lynn Hunke, Anchorage, Alaska

Elwood Lodge, Jr., Plant City, Florida  
 Richard Anthony Monteilh, Phoenix, Arizona  
 Mavis Williams Pust, Flagstaff, Arizona  
 Ralph J. Reynolds, Phoenix, Arizona  
 Jeff Varney, Phoenix, Arizona  
 Jan Morris Williams, Phoenix, Arizona

## BACHELOR OF SCIENCE

John B. Allen, Ajo, Arizona  
 Diane V. Arias, Globe, Arizona  
 Constance Marie Baker, Prescott, Arizona  
 Lafayette Barr, Phoenix, Arizona  
 John A. Booth, Phoenix, Arizona  
 William Bowden, Phoenix, Arizona  
 Vivian Ellen Buckley, Phoenix, Arizona  
 Rose Ann Carpenter, Glendale, Arizona  
 Inona Coburn, Phoenix, Arizona  
 Margaret Ann Crotts, Winslow, Arizona  
 Isola Duncan, Tolleson, Arizona  
 Sherri A. Dunn, Phoenix, Arizona  
 Anita Rae Easley, Gilbert, Arizona  
 Earlene Nora Goodwin, Glendale, Arizona  
 Dennis Michael Hannon, Phoenix, Arizona  
 Vivian Gail Hargrove, East Point, Georgia  
 Roselyn Hatcher, Phoenix, Arizona  
 Dianne Hawkins, Phoenix, Arizona  
 John C. Helwig, Wauwatosa, Wisconsin  
 Roy Dowding Hoffman, Casa Grande, Arizona  
 Michael Holcek, Phoenix, Arizona  
 Dennis Kamps, Phoenix, Arizona  
 Donald Wayne Langille, Halifax, Nova Scotia  
 Janelle Dowdy Loden, Glendale, Arizona  
 Lloyd Lung, Phoenix, Arizona  
 Carol Joyce Martin, Maupin, Oregon  
 Robert Clark McConnell, Phoenix, Arizona  
 Lois Ethel McCraw, Flagstaff, Arizona  
 Robert D. Miller, Glendale, Arizona

Judith Ann Moritz, Phoenix, Arizona  
 Fred J. Payne, Eloy, Arizona  
 Katherine Darlene Payne, Montgomery City, Mo.  
 Susan Louise Plant, Phoenix, Arizona  
 Florence Joan Pollock, Akron, Ohio  
 Harold Hearn Reed, Jr., Paoli, Pennsylvania  
 Helen J. Roemer, Phoenix, Arizona  
 Judith Lynne Sandige, Phoenix, Arizona  
 Mary Ann Sanford, Richmond, California  
 Mary Joyce Schmidt, Phoenix, Arizona  
 Tommie Elizabeth Schumacher, Phoenix, Arizona  
 Phyllis Arlene Shapland, Phoenix, Arizona  
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 Sandra McDaniel, Phoenix, Arizona  
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 Kim Ryan, Phoenix, Arizona  
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 Roberta Whitwer, Phoenix, Arizona  
 Marlene Mulhern Wier, Phoenix, Arizona  
 Scott Douglas Wilkins, Tempe, Arizona  
 Irene Joan Zehr, Phoenix, Arizona  
 Karen Stone Zook, Phoenix, Arizona

## ENROLLMENT STATISTICS

June 1, 1969 — May 31, 1970

CLASSIFICATION	Men	Women	Total
Freshmen	136	128	264
Sophomores	101	80	181
Juniors	97	98	191
Seniors	102	89	191
Auditors	1	14	15
*Specials	134	222	348
<b>TOTAL</b>	<b>571</b>	<b>631</b>	<b>1202</b>

\*Included are students enrolled in the Fifth-Year Program:

DENOMINATIONS REPRESENTED  
BY STUDENTS ENROLLED

Apostolic Christian	Congregational	Lutheran
Assembly of God	Covenant	Mennonite
Baptist	Disciples of Christ	Methodist
Bible	Episcopal	Missionary Alliance
Catholic	Evangelical Free	Nazarene
Christian	Four Square	Pentecostal
Christian Reformed	Free Methodist	Presbyterian
Christian Science	Friends	Seventh Day Adventist
Church of Christ	Full Gospel	Unitarian
Church of God	Jewish	Unity
Church of Brethren	Latter-Day Saints	No Preference

## STATES REPRESENTED BY STUDENTS ENROLLED

Alabama	Illinois	Missouri	Pennsylvania
Alaska	Indiana	Montana	South Carolina
Arizona	Iowa	Nebraska	South Dakota
Arkansas	Kansas	Nevada	Tennessee
California	Kentucky	New Jersey	Texas
Colorado	Louisiana	New Mexico	Utah
Connecticut	Maine	New York	Virginia
Delaware	Maryland	North Carolina	Washington
Florida	Massachusetts	North Dakota	West Virginia
Georgia	Michigan	Ohio	Wisconsin
Hawaii	Minnesota	Oklahoma	Wyoming
Idaho	Mississippi	Oregon	

FOREIGN COUNTRIES REPRESENTED  
BY STUDENTS ENROLLED

Canada	Hong Kong	Mexico	Panama
Ghana	Indonesia	Nigeria	Uruguay





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