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

Phoenix, Arizona
3300 West Camelback Road

College
Grand Canyon

CATALOG

FEBRUARY, 1980
VOLUME XXVIII
THE COLLEGE SEAL

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

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

The colors of Grand Canyon College are purple and white.

Recommended by the faculty and adopted by the trustees.
Foreword

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

Grand Canyon College is a Christian, liberal arts college that offers back-grounding in various fields of study in various levels of education. The college is open to academically and morally qualified students, regardless of race, color, creed, sex, or religious beliefs.

The college is dedicated to providing a college education with a Christ-centered perspective, which focuses on academic excellence in an environment that prepares students for leadership in various fields of study.

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Directory
for Correspondence

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

General Policy, Gifts and Endowment,
Legal Matters
President of the College

Academic Matters, Faculty, Curriculum,
and Program
Executive Vice President

Admissions, Catalog
Registrar

Expenses, Financial Arrangements,
Student Employment on Campus
Director of Financial Aid

Student Employment off Campus
Director of Placement

Tuition Grants for Ministerial Students
Director of Financial Aid

Dormitories and Housing
Dean of Students,
Administrative Assistant

Fund Development and Estate Planning
Senior Vice President for
Institutional Advancement

Associated Students, Student Publications
Dean of Students

Publicity Materials
Assistant Director of Admissions

Teacher Education
Director of Teacher Education

Veterans' Affairs
Director of Financial Aid

Summer School
Executive Vice President

Alumni Affairs
Secretary of the Alumni Association

INFORMATION FOR VISITORS

The Administration Building faces toward Camelback Road and is the central one of the three buildings on Administration Avenue. Office hours are 8 a.m. to 5 p.m., Monday through Friday. From 9 a.m. to 12 o'clock noon on Saturdays the office of the Assistant Director of Admissions and the switchboard are open. During summer and holidays the office hours are 8 a.m. to 4 p.m. Holidays: Thanksgiving Day, Christmas Eve, Christmas Day, New Year's Eve, New Year's Day, Memorial Day, and Independence Day.

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

I. GENERAL COLLEGE INFORMATION

II. FINANCIAL INFORMATION

III. STUDENT LIFE

IV. GENERAL ACADEMIC REGULATIONS

V. ADMISSION POLICIES AND PROCEDURES

VI. GRADUATION REQUIREMENTS

VII. DEPARTMENTS OF INSTRUCTION AND COURSES

VIII. ADMINISTRATION AND PERSONNEL

IX. STUDENT STATISTICS

X. INDEX
ACADEMIC CALENDAR — FALL SEMESTER

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

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

SUMMER SESSIONS*

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

*NOTE: The initial date in each instance is the date of registration.
I. General College Information
specific objectives

1. In appreciation of spiritual realities, and of God's concern for the natural

2. A high level of competence in effective and ethical, in accurate and constructive

3. A personal awareness of social values, in an experience of courtesy, complement

4. Habits of clean living, clean speech, courtesy, and personal decorum;

5. Healthy living, fitness, physical vigor, and the encouragement of participation

6. A better understanding and appreciation of aesthetic values and of man's cf.

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

Pertinent to self-expression in the creative arts;

the rights and reckonings of others;

in a variety of recreational activities;

a sense of responsibility for doing high grade, honest work; and a proper regard for

the dignity and recognition of virtue;

and an appreciation of cultural, or social, or human dignity and recognition, and a sense of responsibility towards community ser-

and a sense of responsibility towards others, in distinction of truth from error;

thinking, in appreciation of evaluation of evidence, in distinction of truth from error;

an appropriate level of comprehension in effective analysis, in accurate and constructive

universe, and in laws, for social institutions, and for each individual's life;

universe and in laws, for social institutions, and for each individual's life;

life by furnishing the opportunity to develop the following qualities:

human relations, and who are motivated by ideals of service in the various fields of

environment and who are motivated by ideals of service in the various fields of

career, ambition, and moral purpose who can profit by a college education in this

concern, which a Christian perspective is meaningful. Working toward this

offer bachelor's degrees programs which emphasize academic excellence in each;

The purpose of Grand Canyon College, as a Christian liberal arts college, is to

GENERAL OBJECTIVES

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

CHRISTIAN EMPHASIS

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

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

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

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

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

GOVERNING BODY

The College, owned and operated by Arizona Southern Baptists, is governed by a board of trustees elected by the Arizona Southern Baptist Convention.
The College is accredited by North Central Association of Colleges and Schools.

ACREDITATION

who are moved by a desire for service to God and to man.

The type of students attracted to the College determines the degree of success in

STUDENTS:

mindfulness, and neatness in appearance.

Pursuing further study, previous or personal background.

where the teacher's students learn a subject and by their interest and success in

the pedagogical excellence, contributions in their fields of specialization.

faculty.

The instructional staff is selected with the objectives of the College in mind.

FACULTY

written approval of the President of the College.

The name of Grand Canyon College shall not be used by any student or any

EMPLOYEES OF THE COLLEGE IN CONNECTION WITH ANY COMMERCIAL Venture, WITHOUT THE

approval from the Immigration and Naturalization Service of the DE-
TEACHER EDUCATION

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

PREPROFESSIONAL TRAINING

Prelaw

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

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

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

Pre-Professional Training in the Health Sciences

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

Successful applicants to professional schools must maintain a superior academic record and should demonstrate an interest in and knowledge of their chosen fields. In addition to courses in science and mathematics, students should select from a broad range of courses in the humanities and social sciences. The pre-medical advisor can be of assistance in planning academic schedules.
curriculum. New pieces, activities, and ideas that are beyond the scope of the usual degree through course offerings that promote the opportunity for each individual to explore. Although a curriculum oriented to experimentation, the curricular approach is realized through area of study during a three-week period.

The January Incursion provides an opportunity for students to concentrate on a

**JANUARY TERM**

The semester is equivalent to that of a day class. The length of the class session is adjusted so that the total meeting time for the January Incursion courses are offered during the fall semester and early evening.

**EVENING CLASSES**

The computer center is the third academic activity. The Computer Center also provides periodic tutorials to help students in learning languages including COBOL, BASIC, and FORTRAN. All of the courses have access to computers maintained by Digital Equipment Corporation, the PPDP. 1/34 and 2/244, and are conducted at the John W. Egan Center.

The College provides academic and administrative computing support using a

**COMPUTER CENTER**

Planning and information on admission procedures are provided. All interested students are urged to contact this office for assistance in curriculum planning or non-academic studies. Students of the military service may take ROTC credit in any Military Science courses. These courses are offered at the University of Arizona State University or through an arrangement with Arizona State University at Tempe, Grand Can-

**Reserve Officers Training Corps**

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

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

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

SUMMER SESSIONS

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

Student Teaching During the Summer Sessions

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

College graduates who are admitted to the teacher training program may enroll for six hours of elementary or secondary apprentice teaching during the summer session. Prerequisites: all the courses listed for Elementary, Special, or Secondary certificate programs as outlined in the Department of Education, except Student Teaching.

Student teachers who are not enrolled in a regular program at Grand Canyon College must present a letter of request from the institution sponsoring their certification program. If students are working directly with the state department of education for certification, they are to present an official evaluation from the certification office indicating their need of student teaching. All students must complete regular matriculation requirements with the Registrar's Office before entering the teacher education program.
industrial and agricultural city with a population of over 1,463,000 in the metro-
zone. Phoenix is near the geographic center of the state and is a thriving
The College is located in the northwest corner of Phoenix, the capital city of Ariz.

LOCATION

BILL R. WILSON, 1978
DiLoreto Williams (acting president), 1977-78
William R. Hinze, 1973-77
Athul S. Tulun, 1966-72
Charles L. McKay (acting president), 1969-69
Beverly N. Patterson, 1959-65
George Benson (acting president), 1958-59
Lovey Simons, 1955-58
George Benson (acting president), 1954-55
O. Herring, 1953-54
Frank Dunn (acting president), 1952
Lloyd Smith, 1950-52
William J. Ray, 1949-50

The following men have served as President of the College:

Thirty-third Avenue, where it is presently located.
New buildings were erected on an 80-acre tract on West Camelback Road at
In September, 1951, the College was moved to Phoenix, and the first session
Semester, 1949.
College was chartered on August 1, 1949, and began instruction with the fall
President and is the name of the new college and Grand Canyon College as its name. The
Presidents who had been selected by the Executive Board of the Convention chose
Southwestern Baptist Convention (in November, 1946, On March 4, 1947, college
The first definite steps toward founding Grand Canyon College were taken at

HISTORICAL SKETCH

Five-day meal ticket

Domitory for each five-week period is $90.00; board is $100.00 per term for a
Tuition for the summer session is $61.00 per semester hour. Room rent in the
Expenses

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

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

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

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

**CAMPUS**

The College has over 70 acres available for development of its campus. The original buildings were constructed in 1951 of pumice block in one-story cottage style. They are now used for administrative offices, faculty offices, cafeteria, and auxiliary classrooms and laboratories. The Student Center and pavilion were secured largely through the efforts of students. Grouped around a quadrangle landscaped with flowers and Arizona shrubs and trees, all the buildings afford a view of the mountains surrounding the Valley of the Sun. The campus is comfortable and provides an attractive setting for college living.

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

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

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

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

**The Fleming Library**

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

The space and classrooms. Pleachers will seat approximately 1000. Braeli Field for
and shower facilities and computer rooms for men and for women as well as-
and is the home court of the 1975 and 1978 NIAI Champions. If coming locker
A red brick gymnasium has an especially fine maple playing floor for basketball

Athletic Facilities

this collection.

concerning a Villa-Tops. Other friction of the College have added albums to

inadequately bounded composters from Quick in the eighteen county to such

wed at $20,000. The collection has representative masterworks of art the

Some of these are collection even include original drawings by various

composed of approximately 600 albums containing a total of 6,000 sections.

student and bring comfort and enjoyment to the lives of many people. It is

College, he gave his entire collection so that it might furnish inspiration to the

College, were given by an Arizona company, the first printer of Mohave County, who col-

needed from a period of more than 25 years. Soon after the opening of the

been given by an Arizona company, the first printer of Mohave County, who col-

Son of the collection, the records in the initial collection

is one of the largest to be found in a college of arts and sciences. A lecture room

The Printemps Memorial Library of Proceedings, housed in the Printemps Library,

Music Library

Printemps Library by one-half.

the social and behavioral sciences and literature and increased the holdings of

Robert L. Sprague, Director, DC. The collection in stronges in the areas of

the now defunct Pecos College, Pecos, Arizona. This library was a gift of Dr.

In 1979 the library received a donation of 40,000 volumes from the library of

Approximately 50 magazines and journals are indexed currently.

Library collection contains approximately 12,220 books and bound periodicals.

and provides a depository for study and immediate access to all materials. The

The Printemps Library, a two-story, red brick building is arranged so to pro-

Classroom Building

build the health center, the first permanent dormitory wing, and the Printemps

the College was still in infancy, and later provided funds a challenge basis to

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

Dormitories

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

Kachina Hall houses 28 additional men.

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

Charles M. Cooke Health Center

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

Fleming Classroom Building

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

Ethington Memorial Little Theater

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

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

Tell Energy-Science Building

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

Alumni, parents of students, and other friends of the College

Canyon Highways is published by the College for the purpose of promoting the
towns for the student body.

College publications

General College Information
II. Financial Information

Tribute Fund

Scholarships and Tuition Grants

Student Loans

Work-Study

Part-Time Employment and Student Expenses
FINANCIAL INFORMATION

STUDENT EXPENSES

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

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

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

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

TUITION, HOUSING, AND BASIC FEES

Academic Year, Including Evening School

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition, per semester hour</td>
<td>$61.00</td>
</tr>
<tr>
<td>Audit fee, per semester hour (Scholarships do not apply)</td>
<td>61.00</td>
</tr>
<tr>
<td>General fee, 9 hours or more, per semester</td>
<td>40.00</td>
</tr>
<tr>
<td>General fee (includes parking), less than 9 hours, per semester hour</td>
<td>2.50</td>
</tr>
<tr>
<td>Parking fee, 9 hours or more per semester</td>
<td></td>
</tr>
<tr>
<td>September 1 through August 31</td>
<td>15.00</td>
</tr>
<tr>
<td>February 1 through August 31</td>
<td>8.00</td>
</tr>
<tr>
<td>Room (2 persons to a room)</td>
<td></td>
</tr>
<tr>
<td>Fall semester and January term</td>
<td>360.00</td>
</tr>
<tr>
<td>January term only</td>
<td>70.00</td>
</tr>
<tr>
<td>Spring semester</td>
<td>290.00</td>
</tr>
<tr>
<td>Extra for private room in dorm if available</td>
<td>60.00</td>
</tr>
<tr>
<td>For 3 persons to a room a 15% discount is given</td>
<td></td>
</tr>
<tr>
<td>Board</td>
<td></td>
</tr>
<tr>
<td>Fall semester and January term, 5-day meal ticket</td>
<td>430.00</td>
</tr>
<tr>
<td>Spring semester, 5-day meal ticket</td>
<td>360.00</td>
</tr>
<tr>
<td>Fall semester and January term, 7-day meal ticket</td>
<td>560.00</td>
</tr>
</tbody>
</table>
Spring Semester:oding the breakfast deposit to the student must recover the breakfast deposit to the library for loss of keys; and for other miscellaneous charges. Each student is subject to charges for property loss or damage. (Permanent)

Breakfast deposit to be paid before the spring semester.

4:00 Application Fee (not refundable)

Special Charges

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room, per week</td>
<td>00.00</td>
</tr>
<tr>
<td>22.00 Room, per semi-term</td>
<td></td>
</tr>
<tr>
<td>110.00 Room, per semi-term (regular service)</td>
<td></td>
</tr>
<tr>
<td>Board, 7-day meal ticket, semi-term (only if food service access is included)</td>
<td>000.00</td>
</tr>
<tr>
<td>Parking Fee: June 1 through August 31</td>
<td>00.00</td>
</tr>
<tr>
<td>3.00 General fees: 7-day week</td>
<td></td>
</tr>
<tr>
<td>Parking Fee: Summer (scholarships do not apply)</td>
<td>61.00</td>
</tr>
<tr>
<td>Tuition, per semester hour (scholarships do not apply)</td>
<td>00.00</td>
</tr>
</tbody>
</table>

Summer School

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.00 After 12 semester hours, charge for permanent file</td>
<td></td>
</tr>
<tr>
<td>64.00 Tuition and all fees</td>
<td></td>
</tr>
</tbody>
</table>

Center for Business Studies

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.00 After 12 semester hours, charge for permanent file</td>
<td></td>
</tr>
<tr>
<td>30.00 Tuition and all fees, per semester hours</td>
<td></td>
</tr>
</tbody>
</table>

Center for Biblical Studies

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>January Term, 7-day meal ticket</td>
<td>00.00</td>
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<tr>
<td>January Term, 7-day meal ticket</td>
<td>00.00</td>
</tr>
<tr>
<td>Spring Semester, 7-day meal ticket</td>
<td>00.00</td>
</tr>
</tbody>
</table>

Financial Information
$10.00 balance if a charge has been made against the deposit during the previous semester. Upon completion or termination of the student's course of study, written application may be made for refund.

**Miscellaneous fees:**

- Late entrance examination fee ........................................... 5.00
- Late registration fee .......................................................... 5.00
  (This fee will be added to the financial record card when a student registers after the regular registration dates as set by the College.)
- Temporary registration permit fee ......................................... 5.00
  (This fee is charged by the Registrar's Office for not filing all records before registration period begins.)
- Course changes after close of regular registration .................... 3.00
- Interest charges on unpaid balance at Business Office, per month ............................................................... $1½%
- Late examination fee (for any major exam) ................................ 3.00
- Special examination, per semester hour or credit equivalent ........ 12.50
- Typing proficiency test ....................................................... 10.00
- Graduation fee ..................................................................... 25.00
- Transcript of credits, except the first .................................... 1.00
- Dormitory dues, per semester .................................................. 2.00
- Post office box rental, per semester ........................................ 2.00
- Registration of second car ..................................................... 2.00
- Duplicate meal ticket, activity ticket, etc ................................. 2.00
- Returned checks, per check ................................................... 10.00
- Student Insurance (Sickness and accident, per semester, approximately) ......................................................... 50.00
  (See page 28)
- Placement fee (paid during the term of student teaching or upon request for service of the Placement Office; includes 10 brochures) ............ 15.00
- Reinstated Placement fee (to update a placement file after 12 months; includes 3 brochures) .................................................. 10.00
- Additional Placement Brochure, each ..................................... 2.00

**Special Class Fees**

- Independent Study (Includes Reading & Conference courses, Practicums) ......................................................... $ 20.00
- January Term ..................................................................... 15.00
Student Insurance

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

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

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

Room and Board

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

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

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

Fall and Spring Semester:

Student withdraws. The day of withdrawal is counted as one full day.
The charge for meals is based on the charged portion of the month in which a
withdrawal from beginning school is $9.00.

Refunds

Application for Refund

If a student is forced to withdraw from school because of sickness or other un-
expected cause approved by the administration, the expenses are refundable upon
the date of notice to the school. A refund is arranged for any day student with a proof of
registration with the school.

Refunds

Five-dollar meal tickets are available for $4.00.
Individual meals may be purchased for cash at the cafeteria or
Student center by commuting students, members of the College staff, and guests.
Fees

Fees are not refundable after the first week of classes.

Room

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

No refunds given without proper dorm checkout form.

Board

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

JANUARY TERM REFUNDS

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

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

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

Fees

The January Term Fee is not refundable.

Room

| Minimum charge | $ 40.00 |

Board

Based on the elapsed portion of the month in which a student withdraws. The day of withdrawal is charged as one full day.
er's, laboratory assistants, lawn maintenance workers, building maintenance personnel. Numerous jobs are available for both men and women students. Campus jobs include the following: janitors, switchboard operators, custodians, cafeteria help.

Money in advance for the first semester.

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

Part-Time Employment and Work-Study

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

Grand Canyon College of Arizona. This form may be procured from the financial aid office of the college. Students who will receive financial assistance must submit the ACT Family F-1 form. Students who will receive any kind of financial aid should apply at least two months before the semester begins, if possible. Those who apply before March 15 for the fall semester will be given preference.

Making Application for Financial Assistance

No refund is given without a proper dorm checkout form.

No refund is given without a proper dorm checkout form. After 7 days of course attendance, no refund will be given. After 67 days of course attendance, no refund will be given. After 47 days of course attendance, no refund will be given. After 37 days of course attendance, no refund will be given.

Room

$25 per day of term

$50 per day of term

$75 per day of term

$100 per day of term

Tuition

$25 per day of term

$50 per day of term

$75 per day of term

$100 per day of term

Summer School Requirements

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

Placement Services

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

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

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

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

Student Loans—Long Term

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

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

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

II. RECIPIENTS

3. The maximum Grant per semester per student is $2,000.
2. The maximum Grant per student is $2,000.
1. The source of these Grants is money given by ABC Churches through the Cooperative Program.

III. GRANT PROVISIONS

(Revised December 11, 1979)

MISSION AND GOALS OF ABC MINISTRIES

1. Mission Volunteers—Students who are working for ABC Ministry under the direction of the ABC Home Mission Board or the ABC College Board.

2. The previous quarterly report signed by the local pastor.
3. The student may quality for up to $2,000 of the financial aid being received by the student.

1. Arizona students must be affiliated with an approved local Southern Baptist Church, and be in good standing with the church.
2. This church action will be taken annually.

Qualifications (Church Membership Standing with ABC)

1. Those training for the Preaching Ministry and as
2. All others shall apply to and be interviewed by the Review Committee.
3. All shall apply to the Review Committee.

MISSION VOLUNTEERS MUST MEET THESE QUALIFICATIONS.

1. The previous quarterly report signed by the local pastor.

1. Arizona students must be affiliated with an approved local Southern Baptist Church, and be in good standing with the church.
2. This church action will be taken annually.

Qualifications (Church Membership Standing with ABC)

1. Those training for the Preaching Ministry and as
2. All others shall apply to and be interviewed by the Review Committee.
3. All shall apply to the Review Committee.

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1. The previous quarterly report signed by the local pastor.

Qualifications (Church Membership Standing with ABC)

1. Those training for the Preaching Ministry and as
2. All others shall apply to and be interviewed by the Review Committee.
3. All shall apply to the Review Committee.

MISSION VOLUNTEERS MUST MEET THESE QUALIFICATIONS.

1. The previous quarterly report signed by the local pastor.

Qualifications (Church Membership Standing with ABC)

1. Those training for the Preaching Ministry and as
2. All others shall apply to and be interviewed by the Review Committee.
3. All shall apply to the Review Committee.

MISSION VOLUNTEERS MUST MEET THESE QUALIFICATIONS.

1. The previous quarterly report signed by the local pastor.

Qualifications (Church Membership Standing with ABC)

1. Those training for the Preaching Ministry and as
2. All others shall apply to and be interviewed by the Review Committee.
3. All shall apply to the Review Committee.
2. Out-of-state students are eligible for the Grant under the same provisions described above.

V. REQUIREMENTS

1. Student agrees to sign promissory note stating he will repay the Grant which becomes a loan if he does not continue in the preaching ministry or missions (home or foreign) at least five years following departure from college and/or seminary.

2. Student must complete a questionnaire every time he applies for a Grant.

3. Student Grants must be applied toward tuition only at Grand Canyon College.

4. A student must carry a minimum of twelve semester hours to receive full grant, otherwise the Grant will be prorated.

5. If student shows loss of interest in his chosen vocation (preaching or missions), he may be called upon by the Review Committee to give a report of his activities and intentions.

6. Students receiving Grants must complete Religion 113 early in their academic career at GCC.

7. Students receiving Grants must hold membership in the GCC Ministerial Association.

   (1) Responsibility for enforcement of these regulations will be carried by the Association officers.

   (2) They shall report non-compliance to the Executive offices of ASBC.

   (3) Failure to comply with this requirement may result in termination of grant the following semester.

   (4) Exemptions for attendance requirement will be on the same basis as established guidelines for exemption from chapel.

VI. RESPONSIBILITIES OF THE ASBC

1. The teacher of REL 113 shall give continuous guidance to all Grant recipients.

2. The Denominational Cooperation Committee of the Executive Board of the ASBC shall have the responsibility of establishing procedures for the Ministerial Grant.

   (1) A Review Committee shall work with the teacher in screening and supervising Grant recipients.
The loan may be repaid starting four months after one course is a full-time stu-
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Canyon College

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

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

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

_Petter H. Ethington Memorial Student Loan Fund._ This fund, provided by members of the Ethington family, is available to _all students_. Interest is 6% per annum from the date of the loan.

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

_Bessie Fleming Student Loan Fund._ This fund, provided by Dr. and Mrs. William Fleming, is available to _all students_. Interest is 6% per annum from the date of the loan.

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

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

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

_Student Loan Fund._ A small revolving fund made available by members of the faculty for emergency needs is open to any approved student for a maximum of $25.00. No interest is charged if the loan is paid by maturity.
Grand Canyon College students are required to submit a completed application and have applied to transfer students as well as continuing students. The application must be completed before March 15 of the following year. The amount of $600.00 per year is available to students eligible for the full four years of college provided a $25 application fee is paid. These scholarships are subject to limited availability, and a minimum ACT score of 22 is required for eligibility.

1. Academic scholarships: For $600.00 per year, students who achieve a composite ACT score of 22 or higher are eligible.

2. Merit scholarships: For students who achieve a composite ACT score of 22 or higher.

3. Need-based scholarships: For students who achieve a composite ACT score of 22 or higher.

4. Entrance scholarships: For students who achieve a composite ACT score of 22 or higher.

Scholarships are awarded based on academic performance and financial need. Students who meet the eligibility requirements are selected based on their academic performance and financial need. The amount of each scholarship is determined by the financial need of the recipient.

For more information about the scholarships and financial aid available, students are encouraged to contact the financial aid office at Grand Canyon College.
DEPARTMENT FELLOWS

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

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

This stipend is $50.00 per semester.

SPECIAL ABILITIES SCHOLARSHIPS

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

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

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

GRANTS-IN-AID

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

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

ROTC SCHOLARSHIPS

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

The financial aid committee is not restricted by department, and is administered by
The Kelby and Mary Sue Danz Scholarship is available to qualified students who
are concentrating in their academic program some area of business or business-
related courses. The endowment fund provides an annual award to a qualified student upon
acceptance of the financial aid committee.

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

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

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

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

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

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

The Lowell B. Parker Ministerial Scholarship Fund. This scholarship fund was initiated by Dr. Joyce Parker, honoring her husband on their 25th wedding anniversary in 1971. The fund is a permanent endowment scholarship for the ben-
The Scholarship Committee has established the "Jeannette D. Smithy Business Scholarship" to provide financial assistance to students in need of financial assistance who show promise of future success in business. The scholarship is awarded to one student on the basis of academic achievement and potential for future success.

The scholarship is awarded to students majoring in business or related fields. The scholarship is available to students who are enrolled in a full-time program at an accredited collegiate business program.

The scholarship is renewable for up to four years, provided the recipient maintains a minimum GPA of 3.0 and demonstrates continued academic success.

Applicants are required to submit a completed application, including a personal essay and two letters of recommendation from academic or professional references. The application deadline is December 1, and awards will be announced by January 15 of each year.

For more information or to apply, please visit the scholarship website at [www.scholarship.com].
from this permanently endowed trust is to provide scholarships for innovative and enterprising students majoring in business who have demonstrated good citizenship and are in need of financial assistance. The Scholarships are awarded by the Financial Aid Committee.

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

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

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

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

GRANTS FROM PRIVATE BUSINESSES AND ORGANIZATIONS

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

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

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

TUITION GRANTS

Basic Educational Opportunity Grant. A grant program financed by the federal government. Special application forms are available from high school counselors or the college Office of Financial Aid. The completed form should be mailed to the address indicated thereon.
The Tribute Fund

629

Assistant Director

47

Director

969

Virtuosos, Dormitories

47

Director

969

Student Newspapers

Photojournalist

84

Assistant

888

Director

84

Photographer

86

Assistant

42

Director

888

Photographer

Canyon Echoes (student newspaper)

Canyon Trails (yearbook)

The following work grants are available in publications, instrumental sports, and dormitory assistance. For the annual scholarships designated:

work grants

The amount of $100.00 (or $200.00 each semester) is awarded to people and is awarded to worthy students on quality. For such grants in the Indian Student Union Grant, American Indian students who qualify for American Indian Student Grant, each semester is designated for the education of minority students. $3,000 per year to qualified students based on their need and potential.

President, President of the College may recommend grants up to $3,000 per year to qualified students based on their need and potential.

Information may be obtained from the Director of Financial Aid. Further able to students from low income families and need not be repaid. Further supplement Economic Opportunity Grants. These government grants are available.
Traditional Events
Student Services
Physical Education
Activities
Student Publications
Honors and Special Recognitions
Organizations
Eligibility for Activities
Chapel Attendance
Religious Life
Marriages
Student Dress
Conduct
Statement of Principles

III. Student Life
STUDENT LIFE

A STATEMENT OF PRINCIPLES

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

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

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

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

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

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

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

gratuitously in the dormitory.

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

compliance with standards. Other than on the campus, it is subject
to dismissal.

den. Any student who violates those standards, other than on the campus, is subject
to the University's procedures for the handling of disciplinary matters and the use
of the campus. This applies to non-resident as well as resident students.

Students are not permitted to have firearms of any nature in their possession on

city will be charged to the student responsible for it.

removed without special permission. Any loss, damage, or theft of campus property

requests to the Office of the Dean of Students.

The administration and faculty must approve any new club or society which is

Any meeting of any activity provided by students in the name of the College

legal.

adherence to those standards. By so doing, a student at the Col-

mean an Grand Canyon College assumes that the student is responsible for honorable

have exceptional circumstances which require their attendance. While some students may not

course of study. The primary attention to their college work and to all class, extra-

members of the civic community and the academic community; students are ex-

in the college are expected to accept the responsibilities of campus citizenship and

Grand Canyon College attempts to create an atmosphere conducive to the pur-


course of study. The primary attention to their college work and to all class, extra-

members of the civic community and the academic community; students are ex-

in the college are expected to accept the responsibilities of campus citizenship and

Grand Canyon College attempts to create an atmosphere conducive to the pur-

Conduct

with the fulfillment of the ideas and programs of the college.

To ensure that all activities are

responsible, and that activities which might encourage

Student Life

47
The use of profanity or vulgarity is forbidden.

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

STUDENT DRESS

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

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

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

MARRIAGES

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

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

RELIGIOUS LIFE

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

Business Office: The College distributes funds when requested by the sponsor and the
All student organizations are required to deposit their funds with the College

Custody of Organization Funds

ORGANIZATIONS

is removed.

The College does not recognize the entity of any student organization until this special or provisional status

Any student enrolling or receiving provisionally on a special or student is ineligible.

part.

However, must secure from the sponsor of a given activity permission to participate.

College recognizes a student who is on the most recent unsatisfactory grade list,

except as restricted by regulations established for campus organizations and inter-

Any student may participate in extracurricular activities provided by the College

ELIGIBILITY FOR ACTIVITIES

Only January term courses are not included in the 9-hour semester course load.

Exception to this requirement is made for students enrolled in evening classes.

of students,

no longer required, (3) the must make up the deficiency by arrangements with the Dean

becomes deficient, then, has not attended enough times to reach the minimum of

hours, or have completed a minimum of twelve credit hours per semester. When a student

and Wednesday at 10:00 a.m. All students taking one or more hours are required

Chapel provides an opportunity for the College community to share together in

Chapel Attendance

upon Christian growth is maintained.

A Spiritual Emphasis Week is conducted each semester. Continuous emphasis

on both on the campus and in the community.

Various organizations provide opportunities for religious service and participation.

Placement, regularly

Students are encouraged to join local churches of their own faiths and to participate.

acord with the policy of the College that the value of Christian living be upheld.
Student Government

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

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

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

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

Student Clubs

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

Departmental and Professional Clubs

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

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

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

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

Women's Recreation Association seeks to provide a varied program of physical and recreational activities to promote the construction of manual abilities. The club promotes interest in astronomy, photography, and various other hobbies.

All students who plan to enter the teaching profession...

Student National Education Association is a nationally affiliated organization for science and liberal arts clubs.

Science Club: For majors and minors in science or mathematics, is open to any student.

English Club is open to all students majoring or minoring in English.

Physics Major with Physical Education as a First Minor...

Join the club, which provides opportunities for students interested in the field of physics.

Education major with physical education as a first minor.

Physical Education majors are open to all physical education majors and to elementary education majors. The club promotes interest in physical education and recreation by cooperating with the school and National Education Association and participating in various activities.

Physics Education Majors Club fosters progress in health education, physical education, and the challenges of business.

Phi Beta Kappa's Alpha Lambda Chapter is open to all business and economics students for the purpose of promoting excellence in the field.

Music Education National Conference (Grand Canyon College Chapter) provides opportunity for students...

Music Education National Conference (Grand Canyon College Chapter) provides opportunities for students...

Modern Language Club is open to persons interested in the languages and cultures of other countries.

The Keyboard Club, made up of piano or organ students, is for the purpose of...

Student Life
Service and Honor Organizations

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

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

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

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

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

Religious Organizations

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

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

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

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

HONORS AND SPECIAL RECOGNITION

Honors Day

Each year a day is designated for a special assembly and other appropriate activities to recognize the achievements of students who have won distinction in academic pursuits or in student leadership. Ordinarily included in the recognitions are students in one or more of the following categories: Ray-Maben Scholars, stu-
The P.T.E. Club awards, each spring semester, an appropriate gift to the junior

Sophomore Honor Roll
Students whose grade point average is 3.2 or above qualify for the
Sophomore Honor Roll

Freshman Honor Roll
Students whose grade point average is 3.0 or above qualify for the
Freshman Honor Roll

Dean's List is published semi-annually to students carrying 12 or more semester hours are considered
At the close of each semester, the Freshman and Sophomore Honor Rolls and the

Graduation with Honors
who have transferred in no more than 12 semester hours,
and of the fall semester of their junior year. This honor is restricted to those
Special Recognition is given to the two juniors with the highest academic ranking

Junior Marshals
Least a 3.8 grade point average on all work completed in other colleges
Least a 3.8 grade point average of 3.8 or higher, and
hours of work at Grand Canyon College and carried 12 hours or more in a mini-
least semester at Grand Canyon College. To be eligible, a student must have completed at least 40

Kay-Madisen Scholars
in academic honors, hierarchy, or cultural affairs are recognized.

Appropriate academic recognition of the College's academic achievements, including academic excellence
and achievements in the field of study.

Dean's List and Dean's Honor Roll: Junior class members, student officers, and

Wall Street Journal Award

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

STUDENT PUBLICATIONS

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

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

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

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

ACTIVITIES

Educational Tours

A three-day educational tour, which students may take at moderate cost, is arranged for each fall semester to the northern part of Arizona. The tour includes such points of interest as the ghost city of Jerome, Oak Creek Canyon, Walnut Canyon Cliff Dwellings, Montezuma Castle, Sunset Crater, Wupatki National Monument, and the Grand Canyon.

Intramural Athletics

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

Drama, Radio, and Speech Activities

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

2. A member of the faculty shall accompany all teams when they are away from
   game (for official and clinician use).

3. Each student of this institution carrying 12 or more semester hours of work
   shall be allowed to participate in an intramural or intercollegiate conference.

In order to assure that the college teams will be a credit to their institution,

Intercollegiate Athletics

must take in before graduation.

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

A physical education program is correlated with the health program of the Col-

PHYSICAL EDUCATION

and home ball games

individual voice.

The Wind Ensemble, Orchestra, and Stage Band present concerts and provide

Musical performances of major choral works.

The Oration Society is open to all students without audition. It presents Public

Musical Programs

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

**STUDENT SERVICES**

**Housing**

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

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

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

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

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

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

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

The minimum course load for a dormitory resident is stated on page 71.

**Food Service**

The College cafeteria provides well-balanced meals. All residents of the dormitories are required to eat their meals in the cafeteria. Other persons may buy meals on an individual basis. The cafeteria is closed during the Thanksgiving, Christmas, and spring holidays.
ALL international students are required to carry medical and hospitalization insur-
ance. Non-insured students are encouraged to have it (see page 20).

Medical and hospitalization insurance is available at a cost of approximately
$20.00 per semester. ALL students living in the dormitories must have hospitaliza-
tion less than one year is not required to supply additional health care.

A student whose study at Grand Canyon College is interrupted for a period of
is not on file, a new one must be submitted.

For re-enrollment to resume a satisfactory health certificate before being permitted to enter
A student with any conditions deemed not to be medically fit to remain on the campus

Medical examinations will be required periodically during the

An athlete must be approved by the College Physician before being permitted to

Any student may be required to receive medical examination at such times and

Before registration.

Certificate completed by a medical doctor and returned to the Registrar’s Office.

All students entering the College must have the Grand Canyon College Health

The College keeps the services of a physician on a part-time basis. He is assisted

Health Service and Health Records

Higher Lunches and recesses are also available in the Student Center.
COUNSELING SERVICE

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

PLACEMENT SERVICE

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

TRADITIONAL EVENTS

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

GENERAL REQUIREMENTS FOR ADMISSION

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

An applicant must be at least 16 years of age.

An applicant must furnish satisfactory evidence of good moral character and, if transferring from another institution of higher learning, must request an official transcript from each institution previously attended. Applicants may not disregard their records of previous enrollment in any other institution of higher education. Failure to comply may result in dismissal or loss of credit.

ACADEMIC ELIGIBILITY FOR ADMISSION

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

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

Some applicants are accepted as special students and are given assistance to help them develop the skills necessary for effective college work. After they demonstrate ability to do acceptable college work by completing 12 hours with grades of C or better, they will be reclassified as regular students and may count credit already earned toward meeting graduation requirements.

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

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

The summer courses are not counted toward fulfilling high school requirements. Early for the summer or fall term following graduation from high school, provided these courses may be given credit for appropriate college course subjects. Students who score 3 or 4 on the advanced placement examinations of the college board are given credit for the appropriate college course. Students who score 5 or 6 on the advanced placement examinations for high school graduates are given credit for college placement.

Early Admission to College

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

<table>
<thead>
<tr>
<th>Subjects</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (one unit of algebra)</td>
<td>2</td>
</tr>
<tr>
<td>Social Studies (one in American History)</td>
<td>2</td>
</tr>
<tr>
<td>Science (one laboratory course)</td>
<td>2</td>
</tr>
<tr>
<td>Others</td>
<td>6</td>
</tr>
</tbody>
</table>

The minimal units: 61
Three to eight hours of credit, depending upon the examination used, may be earned by scores of 50 or better on Subject Matter Examinations.

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

ADMISSION OF FRESHMEN

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

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

1. Submit to the Registrar an application form together with a non-refundable application fee of $15.

2. Arizona residents should take the American College Test and have scores reported to Grand Canyon College. (The Grand Canyon College ACT code number is 0092.) The tests are given each year, in February, April, July, October, and December. Applicants should take the examination at the close of their junior year in high school or at an early test date after completion of the junior year.

Detailed information regarding the ACT program may be secured from the applicant's high school principal or counselor or from the Registrar's office at Grand Canyon College. Residents of states other than Arizona may submit college admission test scores which are approved for college admission in their home states. (The SAT code number for Grand Canyon College is 4331.)

3. Have a high school transcript sent to the Registrar's office at Grand Canyon College.

4. When the above credentials are on file, the applicant will be notified that he has been granted or denied admission. If approved for admission, the applicant should submit a dormitory room reservation fee of $40 if (s)he is to live in a dormitory. (See statement on page 56.) If the applicant withdraws his application by August 1, the dormitory reservation fee may be refunded, upon receipt of written request.
A student has completed a total of 64 hours of college work in a junior college or from another college prior to the
Canyon College does not recognize credits earned in a junior college after the
maximum of 64 hours of credit from a junior college is counted toward grade-
A grade of C or above in all courses attempted
only after the student has earned 12 semester hours at Grand Canyon College with
work will be considered as lower division credit. Credit will be validated
are may be accepted from some Bible colleges which are not regionally accredited.
A maximum of 30 semester hours (15 in Bible of Religion, 15 hours in liberal
may be accepted toward a degree.
A maximum of 16 semester hours of elective credit in technical courses
and from universities if the work to be transferred is not of a highly specialized
in other regionally accredited colleges
Grand Canyon College accepts credits from other regionally accredited colleges
English usage tests and must fill in application for graduation (see page 82).
A transfer student who is eligible to be classified as a senior also pass the

ADMISSION OF TRANSFER STUDENTS

7. Final decision for admission will be only when all credentials, including
the date of submission. There may be accepted less than six months previous to the date of
6. Final high school transcript must be submitted after the student's graduation.
5. A final high school transcript must be submitted after the student's graduation.
4. A transcript from another college must file all forms required under

Admission Policies and Procedures
Credit is not given for any course presented for transfer if the grade in that course is lower than a "C" or its equivalent. Quality points are not transferable. A course completed in another institution with a grade of "D" may serve as a prerequisite for another course only upon approval of the instructor concerned. (Students who enter under the Direct Transfer Plan from the community colleges of Arizona are referred to Direct Transfer Plan below.)

A maximum of 30 hours of extension and correspondence work, including not more than 12 hours by correspondence, may be accepted for credit toward graduation. The regulations concerning credit for extension and correspondence work are stated on page 76 of the catalog.

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

A limited number of transfer students who do not have a "C" average in all college work already attempted may be admitted provisionally. (See page 63.)

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

**DIRECT TRANSFER PLAN**

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

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

Most students can transfer to Grand Canyon College without losing any earned credits. For further information they may contact the Executive Vice-President, or the Registrar of Grand Canyon College, or the Counselor in their community college.
A student who has been out of Grand Canyon College for any reason for a period of one year or longer must submit a written statement from his or her doctor certifying his health is such that he or she can continue as a student. Other institutions must be asked before readmission can be approved. (See page 80 for statement pertaining to choice of college.)

For readmission purposes, the office of the Registrar's Office must be notified of any additional work accomplished in other institutions. The Registrar's Office will then complete a form (Form 7) in Grand Canyon College to apply for readmission on a form (Form 7). A student who has not maintained continuous attendance (except for summer) would qualify then for college admission in their own county.
International students (F-1 visa) must carry a minimum of 12 semester hours each semester to maintain student status.

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

ENTRANCE EXAMINATIONS

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

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

International students are referred to above section, Admission of International Students.
Honors Study Program
Audit Privileges for Honor Students
Special Courses by Independent Study
Concurrent Enrollment
Correspondence and Extension Credit
Permission to Take Examinations Late
Class Attendance
Eligibility for Activities
Provisional Status
Academic Probation
Academic Suspension
Repealing of Courses
Grade Requirements
Auditing of Courses
Withdrawal from All Courses
Dropping of Courses
Change of Courses
Upper Division Requirement
Maximum Number of Hours in a Subject
Course Load
Academic Honors
Grading System and Grade Points
Order of Taking Courses
Classification of Students
Number of Semesters Hour

V. General Academic Regulations
GENERAL ACADEMIC REGULATIONS

DEFINITION OF SEMESTER HOUR

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

NUMBERING OF COURSES

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

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

Lower division

Upper division

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

CLASSIFICATION OF STUDENTS

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

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

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

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

Students are not permitted to graduate at the end of a semester or term which they began with a grade index of less than 2.00. They must be officially classified as seniors when they register for the final semester or term before graduation. (See page 81 for General Graduation Requirements.)
grade (GPA) computations. To calculate the GPA, semester hours for each course
are included in grade point average. Other grades are not included in grade point average.
A, B, C, D, F, P, N grades are assigned as follows: A, 4 points for each course; B, 3 points;
C, 2 points; D, 1 point; F, 0 points. Grades are used for the purpose of computing grade point averages. Grade
averaging of grades for the purpose of computing grade point averages, grade
averaging of grades: determine the grade percentage in:

The next regular semester, or whichever comes first, following the end of the grade period when a
grade of I is given, the student must complete all necessary work before the end of the grade period when a
completing course requirement before the close of the grade period. When a
completing course requirement before the close of the grade period. When a
semester only when sufficiently competent in a course, credit for an unsatisfactory grade will be given at the end of the term of
non-credit or non-degree course

Additional work accepted to meet requirements in:
Satisfactory completion of audit or non-credit course
Credit given but no grade of quality points
Incomplete (see note below)
Instructor's written evaluation
Passing: Below Standard
Average: Satisfactory Performance: Acceptable College Work
B for above average; Unusually Good Work
A for outstanding scholarship: Outstanding Performance
The grading system used at Grand Canyon College is as follows:

GRADING SYSTEM AND QUALITY POINTS

Problem: All courses without permission from the faculty advisor and the Dean of the
college are classified as a student who is not permitted to take as elective a freshmen
A student normally is expected to take required courses at the college level.

ORDER OF TAKING COURSES

All courses in the major division, except standard credit courses
from a recognized institution, are accepted for a program of 30 hours.
High school students whose students who have completed a bachelor's degree
not included in the above classification.
Special students—those students who are not working toward a degree and are

69
General Academic Regulations
are multiplied by the grade points for that grade. The sum of these products is divided by the number of hours which carry A, B, C, D, and F grades. The GPA is based only upon work taken in residence at Grand Canyon College.

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

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

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

**ACADEMIC HONORS**

**Graduation with Honors**

Students who have attended Grand Canyon College for at least two semesters in each of which they carried 12 hours or more and who have earned at least 66 hours in this institution may qualify for honors at graduation by maintaining one of the following indexes:

- An index of 3.40 to 3.59 may qualify for graduation with distinction;
- An index of 3.60 to 3.79 may qualify for graduation with high distinction;
- An index of 3.80 to 4.00 may qualify for graduation with highest distinction.

In order to qualify for a specific honor, transfer students must meet or exceed the grade index requirement for that honor both on work done at Grand Canyon College and on all work attempted elsewhere. Transfer students may not graduate with an honor higher than that to which their GPA in Grand Canyon College would qualify them.

**Other Honors**

Other honors related to academic achievement are described on pages 52 and 53.
Petition the Academic Affairs Committee for special consideration.

In upper division courses (300 or 400 level), in exceptional cases, students may for graduation, a student must earn a minimum of 45 semester hours of credit.

Upper Division Requirement

Denial

in any one subject area without special permission from the Executive Vice President.

Regular students are not allowed to take more than 42 semester hours for credit.

Maximum Number of Hours in a Subject

Schedule of other course load.

progress at the end of the first grade period may be required to reduce their work.

2. Students working 20 hours or more per week who do not show satisfactory

more than 15 hours of college work

1. Students who have employment other than school work should not take

who find it necessary to earn part or all of their college expenses.

this reason, the following rules have been adopted for the protection of students

carrying a normal course load in college is considered to be a full-time job. For

can not be permitted to take college hours.

The maximum course load ordinarily to be allowed during a summer term is six

maximum number of hours for any student is 18.

Students may not register for more than 17 hours except upon recommendation

17 hours for a first semester freshman.

whose total is 17 hours with no feasible alternative, the maximum may be raised to

case of exceptional students, or in the case of a particular program of course

courses, if one hour of physical education is included, the student may be permitted to take

Premission normally are not permitted to register for more than 16 hours in-

费, in order to maintain student status required for the F-1 visa.

International students must carry a minimum of 12 semester hours each semester.

Course Load

General Academic Regulations
CHANGE OF COURSES

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

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

DROPPING OF COURSES

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

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

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

WITHDRAWAL FROM ALL COURSES

To withdraw officially from all courses a student must secure an official withdrawal form from the Registrar’s Office and obtain all signatures indicated on the form. A student who officially withdraws from all courses at any time during a semester receives a grade of W. An unofficial withdrawal results automatically in grades of “F”.

AUDITING OF COURSES

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

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

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

Suspension for the second time is normally given final dismissal.

A student who has been suspended may make written application for reinstatement:

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

The following minimums be suspended if the grade of a semester in which their cumulative index falls below

A student who has accumulated 24 hours in residence at the College will normally

Repeating of Courses

The major is evaluated on the same basis as work taken at Grand Canyon College.

In calculating a student's grade point average in the major, work transferred for

2.00 in their current major.

Candidates for a secondary teaching certificate must have a minimum average of

Course with a grade below C.

The regulation concerning grades on college work taken elsewhere is given on

Upper division credit.

For credit as listed in the Academic Calendar of the current college catalog.

A student may not change from audit to credit after the last day for registration

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

ACADEMIC PROBATION

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

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

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

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

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

PROVISIONAL STATUS

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

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

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

ELIGIBILITY FOR ACTIVITIES

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

Any student with probationary or provisional status is ineligible to hold office in any student organization until the deficiency is overcome.
For concurrent enrollment, while enrolled in Grand Canyon College, must meet all of the following criteria:

- In the final semester before graduation, such work done at any time by a student from another institution must be recorded with the Registrar prior to enrollment.
- Credit for any correspondence work and for any extension work transferred.
- Credit for any correspondence courses must be approved from the Registrar of the Department of R.
- Credit for college level correspondence courses may be allowed for graduation more than 12 hours by correspondence courses, may be allowed for graduation no more than 30 hours of correspondence and correspondence work, including no more than 12 hours of extension and correspondence work, including no

CORRESPONDENCE AND EXTENSION CREDIT

- Mean of the necessary (see page 26).
- Under insurance and must present a receipt from the Business Office showing pay.
- Which they missed. In all such cases, students must account to the instructor for

PERMISSION TO TAKE EXAMINATIONS LATE

already missed.

1. Students who register late are considered absent for each class meeting.
- Miss attendance records are effective as of the first day of class meetings in
- Regular and punctual attendance may be considered in assigning grades.
- Absences by their instructor.

2. Regular in due attendance immediately after their class in the manner
- To secure permission to make up work missed by absence, students must ac.
- To take examinations late (see below). Permission

3. The student in behalf of authorized by the Examinations Vice President (see below, Permission
- Formal students to make up fees and other work when the absence was purely
- Dean has met the stated attendance requirements at the end of the course.
- Which the attendance requirements are and is the judge of whether the stu.
- Instructor announces at the first session of each course and also states in the course
- Students are expected to be regular and punctual in class attendance. The in-

CLASS ATTENDANCE
CONCURRENT ENROLLMENT

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

1. Enrollment at another institution is limited to one course, not to exceed 4 semester hours.

2. The course must contribute to the student’s major, minor, or professional goal.

3. A formal request for permission to enroll in another institution must be approved by the Academic Affairs Committee before the student registers for the off-campus course.

4. The request to the Academic Affairs Committee must have the endorsement of the student’s major professor.

SPECIAL COURSES BY INDEPENDENT STUDY

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

1. Independent Study. Department number 499. Research, seminar, or readings and conference on a special topic to be selected by the student and faculty advisor. May be taken for one, two, three, or four hours, depending upon the amount of time and work involved. May be repeated for up to four hours total credit. For upper division students with a grade point average of 3.00, with approval of the department chairman, instructor, and the Executive Vice President.

2. Practicum. Numbered 399 in each department, for one, two, three, or four hours of credit, the practicum is a supervised practical experience in the student’s major area of interest. A minimum of 45 hours (maximum 60) of practical experience will be scheduled for each semester hour of credit. The experience must be arranged with an agency, organization, or individual which must agree to provide an advisor to work with the faculty advisor in designing and evaluating the student’s experience. This course is for upper division students and may be taken any semester with approval of faculty advisor, department chairman, and Executive Vice President. The student must obtain course approval forms from the Registrar’s office, complete them in conference with the instructor, and secure required signatures before enrollment can be completed.
Program Committee. Interested students should see the chairman of this commit-

tee. Students are admitted to the Honors Study Program by invitation of the Honors

advisors. 

This project in which the students are involved in original research in their own

speeches, attendance at local symphonies, plays, exhibits, or lectures, and in Honors

Colloquium led by faculty and outside

hold at their own disciplines as well as exchanges with faculty and students outside

within their own discipline. It seeks to provide them with opportunities for advanced study

and research. It seeks to provide them with opportunities for advanced study

and research. A select number of students who have demonstrated unusual scholarship and apt-

The Honors Program is designed to provide unique educational challenges for

HONORS STUDY PROGRAM

charges. course, regardless of the number of semester hours. It does not cover special

course without charge. This and all other courses the regular audit fee for any

a student who qualifies for the Dean's List during any semester may audit one

AUDIT PRIVILEGES FOR HONOR STUDENTS

not be permitted to receive credit for more than two courses by this method.

for selecting course credit through reading and conference. Normally students will

read and conference with the instructor, with approval of the department chair-

3. Reading and Conference. Any course listed in the catalog may be taken by

General Academic Regulations
Specific Academic Programs in Relation to Degrees Offered
Curricular Requirements for Graduation
General Requirements for Graduation
Choice of Catalog

VI. Graduation Requirements
GRADUATION REQUIREMENTS

DEGREES OFFERED

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

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

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

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

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

SECOND DEGREE

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

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

CHOICE OF CATALOG

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

The requirements for graduation with honors are

upper division semester hours in major subject and three upper division sem-

ter hours in the major field of study in the major subject. Students are required to take at least six

hours at Grand Canyon College. The minimum residence is 48 semester hours. Normally, eight semesters of residence on the campus of Grand Canyon College must be

completed before the student is eligible for graduation. Of these, at least 24 semester

hours must be completed in approved college courses.

Minimum Residence: Normally, eight semesters of residence on the campus of Grand Canyon College must be completed before the student is eligible for graduation. Of these, at least 24 semester hours must be completed in approved college courses.

The English Department requires that all students submit a writing competency in writing. Students whose writing is judged to be less than competency will be referred to

Examinations. Examinations are given twice each semester. Notices of the examination dates appear in the college bulletin.

The English Department requires that all students submit a writing competency in writing. Students whose writing is judged to be less than competency will be referred to

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The English Department requires that all students submit a writing competency in writing. Students whose writing is judged to be less than competency will be referred to

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The English Department requires that all students submit a writing competency in writing. Students whose writing is judged to be less than competency will be referred to

Examinations. Examinations are given twice each semester. Notices of the examination dates appear in the college bulletin.
Correspondence and Extension Credit. Record of all correspondence and extension work transferred from another institution must be filed with the Executive Vice President and Registrar prior to enrollment in the final semester before graduation. (See page 75 for additional information concerning correspondence and extension credit.)

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

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

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

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

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

Procedures:

1. Seniors who have completed all requirements for graduation or will do so in May or August participate in the annual commencement in May. They march in alphabetical order by degrees and are handed diploma covers. Those who have completed all requirements by May will receive their diplomas at that time; diplomas will be mailed to August graduates at the end of the summer session.

2. Names of August graduates appear in the printed program along with those of January and May graduates, with an asterisk to indicate that they expect to complete requirements by August.
General Studies

General Studies scaffold students’ development of contemporary society and thus enable them to achieve greater social stability and a more secure personal life.

The General Studies portion of the curriculum at Grand Canyon College is de-

Curricular Requirements For Graduation

This means that a student who suddenly decides to complete a summer

1. Advise at beginning of the spring semester. A student who does not have

2. Defease plan filed with the Registrar. Which indicates that requirements will

3. Department of interior to complete work for degree during summer session.

4. Approval at the beginning of the spring semester may not graduate before

5. May of the following year.

6. Prior to the commencement of the spring semester.

7. This means that the student will need a minimum of 128 semester hours usually requires four years.

The completion of the required 128 semester hours includes activity courses in Physical Education.

The General Studies curriculum is designed to help students develop an understanding and appreciation of the various aspects of knowledge and create endeavors which have contributed to the development of contemporary society and thus enable them to achieve greater social stability and a more secure personal life.

The General Studies portion of the curriculum at Grand Canyon College is de-

General Studies

Courses

General Studies consist of (1) General Studies, (2) Major and Minor Subjects, (3) Elective.

Concentrations in the field of major interest. The work for the entire four year pro-

vocational liberal arts series. During the remaining two years, the student may

ficient of introductory courses in General or Introductory courses in the

83
General Studies at Grand Canyon College seek to help the individual student to apprehend the Christian way of life and to begin to acquire the knowledge, skills, and attitudes essential to a citizen who assumes moral and social responsibilities.

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

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

I. Spiritual Foundations of Life (6 hours)
   BIB 113, BIB 123 ................................................................. 6 hours

II. Social Foundations of Life (6 hours)
   History (HIS 113, 123; or HIS 123, 233; or
   HIS 213, 223) .......................................................................... 6 hours

III. Scientific Foundations of Life (6-8 hours)
   Mathematics .............................................................................. 3 hours
   Laboratory Science (SCI 114) .................................................... 4 hours

IV. Communicative Arts (6 hours)
    EEW 113 and EEW 123 ............................................................ 6 hours

V. Humanities (2 hours)
   Art or Music Appreciation ....................................................... 2 hours

VI. Physical Well-being (4 hours)
    Activity Physical Education ..................................................... 4 hours

VII. General Studies options
    Twelve hours chosen from courses outside the student's major or minor
    area, with no more than one course from an academic area ....... 12 hours

VIII. Involvement in contemporary affairs. An interdisciplinary ap-
     proach with emphasis on active participation and individual
     research in both on and off campus experiences. One January
     interterm must be successfully completed for each 24
     hours completed in residence.
For academic Affairs:

credit in any one subject area without special permission from the Vice President.

A regular student is not allowed to take more than 72 semester hours for

in each department in addition to the courses which may be required in that particular

A student may elect to take courses from the regular college curriculum offered

and elective studies appropriate for his individual

and minor, major.

Elective Courses

Transfer students should consult the Partnership concerning minimum residence

Education, Music Education, and Training and Development.

There are three majors for which minors are not required, due to the extensive

and minor.

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

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

in the first minor to be credited to each in that field.

must be from courses of junior-senior rank. A student must earn at least 24 hours

The minor must consist of at least 12 semester hours. Of these, six hours

The student must also choose a minor in a subject area other than the major.

Walter

been declared as junior, the student must secure approval of both departments in

C. 2.0 (average of above, in the teaching major). To change major once in this

According to the Teaching Certification must have a

subject must also have a 2.0 average in his major and complete for courses in General

student must exceed 30, in any case, at least 12 hours must be of junior-senior rank. A

Major and Minor Subjects

Grade only! Should be taken concurrently (see page 82).

IX. Foreign Language – Recommended for B.A. degree. One lan.

Graduation Requirements
SPECIFIC ACADEMIC PROGRAMS  
IN RELATION TO DEGREES

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

Suggested Program for Bachelor of Arts Degree Candidates


<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bible 113, 123</td>
<td>3</td>
<td>3</td>
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</tr>
<tr>
<td>English 113, 123</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>History (See page 84)</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Math 114</td>
<td>4</td>
<td></td>
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</tr>
<tr>
<td>Activity P.E.</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Electives</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>January term</td>
<td></td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>3</td>
<td>16</td>
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<table>
<thead>
<tr>
<th>Sophomore Year</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>4*</td>
<td>4*</td>
<td></td>
</tr>
<tr>
<td>Art or Music Appreciation</td>
<td>2 or 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Laboratory Science</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**Activity P.E.</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Major or Minor, Electives</td>
<td>3</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>January term</td>
<td></td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>14</td>
<td>3</td>
<td>16</td>
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<table>
<thead>
<tr>
<th>Junior Year</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Foreign Language</td>
<td>3*</td>
<td>3*</td>
<td></td>
</tr>
<tr>
<td>Electives (Major or Minor)</td>
<td>11</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>January term</td>
<td></td>
<td>3</td>
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<td></td>
<td>14</td>
<td>3</td>
<td>15</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year</th>
<th>Fall</th>
<th>Jan.</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major, Minor, or Electives</td>
<td>14</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>January term</td>
<td></td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>14</td>
<td>3</td>
<td>15</td>
</tr>
</tbody>
</table>

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

** Only two hours of Physical Education activity courses are required of students who transfer with 64 hours or more.
An overall grade average of C must be maintained.

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

Other Graduation Requirements

Course prerequisites as stated in the catalog will be observed.

A maximum of 21 hours of upper division work in any one academic de-
A minimum of 45 hours must be in upper division courses.

128 hours

Electives
85 hours

Courses Used in Total
43 hours

General Studies

Please see the following requirements:

Students who elect to study for a Bachelor of General Studies Degree

Requirements for the Bachelor of General Studies Degree

Only one hour of Physical Education activity course is required of students who register with 80 hours of more.

Students who need a math course in advance for minor or major should take a suggested program on pp. 176 to 178.

Junior Year

Senior Year

*Students in any of these programs which lead to bachelor's degree are expected to pass 1071, 108.

Freshman Year

Suggested Program for Bachelor of Science Degree

Education, Physical Education, or Training and Development

Arts, Environmental Sciences, Health Services, Supervision, Mathematics, Music

For majors in Biology, Business, Chemistry, Elementary Education, Special Edu.

Other

Background

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

The student must satisfy the minimum residence requirement.

Special Conditions

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

Technical/vocational college courses will be evaluated individually for acceptance as transfer credit toward the degree.
Department of Religion
Department of Natural Sciences and Mathematics
Department of Music
Department of Humanities
Department of History and Social Sciences
Department of Health and Physical Education
Department of Education and Psychology
Department of Business and Economics

and Descriptions of Courses

VII. Departments of Instruction
DEPARTMENT OF BUSINESS AND ECONOMICS

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

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

Through the Center for Business Studies, the department works with local firms in upgrading understanding of business and economics to develop a more efficient and effective organization.
Electives in Accounting
6 hours
ACC 313, 323 Intermediate Accounting I, II
ACC 214, 224 Principles I, II

Requirements for a minor in Accounting

3 hours
Electives in Business (3 hours upper division)

3 hours
ECO 213 Survey of Economics

3 hours
BUS 333 Business Law I

4 hours
ACC 214 Principles of Accounting I

3 hours
BUS 243 Business Mathematics

3 hours
BUS 102 American Business and Free Enterprise

Requirements for a minor in Business

3 hours
BUS 303 Business Communications

6 hours
BUS 373 Principles of Management

6 hours
BUS 333 Business Law I, II

7 hours
ACC 214, 224 Principles of Accounting I, II

6 hours
ECO 213, 223 Survey and Principles of Economics

3 hours
BUS 343 Introduction to Probability & Statistics

3 hours
BUS 243 Business Mathematics

3 hours
BUS 102 American Business and Free Enterprise

(B.S. Degree)

Requirements for a major in Business Administration


Department of Business and Economics
Requirements for a minor in Economics*

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

* When a minor in another business area is taken with a major in Business, there is some duplication of requirements. A course involved in such duplication is counted toward the minor only. The student takes sufficient electives in Business and Economics to satisfy the requirement of 43 hours in the Business major.

ACCOUNTING

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

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

ACC 313 INTERMEDIATE ACCOUNTING I. An in-depth study of accounting assumptions, theories, and principles; and a comprehensive study of the accounting process as related to assets and liabilities. Prerequisite: ACC 233. Fall, 1981, and alternate years — 3 hours

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

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

ACC 443. INCOME TAX ACCOUNTING. An interpretation of federal income tax laws, with practice material requiring an application of provisions to the returns of individuals. Prerequisite: ACC 233. Fall, 1980, and alternate years
BUS 343, INTRODUCTION TO PROBABILITY AND STATISTICS

SPRING 1988, and winter years — 3 hours
department of business, preparation, and administration of personnel and business enterprises. Area of study includes personnel planning, training, and evaluation.

BUS 333 PERSONAL AND SOCIAL PSYCHOLOGY

SPRING 1988, and winter years — 3 hours
interpersonal, moral, and emotional aspects of the personality and social processes that affect behavior. Area of study includes social psychology, personality theory, and research methods.

BUS 233, BUSINESS FINANCE

SPRING 1988, and winter years — 3 hours
the financial structure of various types of business enterprises and organizations, including sole proprietorships, partnerships, and corporations.

BUS 232, BUSINESS MACHINES-MATH

SPRING 1988, and winter years — 3 hours
learn to operate electronic calculator, typewriter, and other business machines. Area of study includes basic arithmetic, algebra, and elementary statistics.

BUS 123, ADVANCED TYPWRITING

SPRING 1988, and winter years — 3 hours

BUS 122, INTERMEDIATE TYPWRITING

SPRING 1988, and winter years — 3 hours
be drafted and illustrated. Major problems of the economic system will be intro-

BUS 102, AMERICAN BUSINESS AND PROFESSIONAL ETHICS

SPRING 1988, and winter years — 3 hours
in the study of American business. Major aspects of the business firm will be intro-

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

Every fall — 3 hours

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

Every spring — 3 hours

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

Every fall — 3 hours

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

Every spring — 3 hours

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

Every fall — 3 hours

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

Every spring — 3 hours

ECONOMICS

ECO 213. SURVEY OF ECONOMICS. A brief survey of basic economic concepts, principles, and business practices from a microeconomic approach. The course includes a preview of the American economy, national production, employment and income; also included is a study of the monetary and fiscal policy in the
The purpose of this program is to give those with a health services background, in a v. degree or its equivalent, on the assumption that the student has completed two years of college work with The Bachelor of Science Degree Program in Health Services Supervision is built (B.S. Degree)

HEALTH SERVICES SUPERVISION

Spring, 1981, and alternate years — 3 hours


Fall, 1981, and alternate years — 3 hours

Eco 213. Foreign Exchange. Prerequisites: Eco 213.


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

### HEALTH SERVICES SUPERVISION

**Suggested 4-year Course Sequence**

**Program will be adjusted for students entering at Junior level.**

<table>
<thead>
<tr>
<th><strong>FALL</strong></th>
<th><strong>FRESHMAN</strong></th>
<th><strong>SPRING</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113 - O.T. History</td>
<td>3</td>
<td>BIB 123 - N.T. History</td>
</tr>
<tr>
<td>EEW 113 - Grammar/Comp</td>
<td>3</td>
<td>EEW 123 - Comp/Lit</td>
</tr>
<tr>
<td>SCI 114 - Sci Concepts</td>
<td>4</td>
<td>Lab Science</td>
</tr>
<tr>
<td>P.E. - Activity</td>
<td>1</td>
<td>P.E. Activity</td>
</tr>
<tr>
<td>BUS 102 - Amer Bus &amp; Free Enter</td>
<td>3</td>
<td>BUS 243 - Bus Mach/Math</td>
</tr>
<tr>
<td><strong>14 units</strong></td>
<td></td>
<td><strong>14 units</strong></td>
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**January Term**

<table>
<thead>
<tr>
<th><strong>FALL</strong></th>
<th><strong>SOPHOMORE</strong></th>
<th><strong>SPRING</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 343 - Intro to Prob &amp; Stat</td>
<td>3</td>
<td>CS 133 - Intro to Comp Sci</td>
</tr>
<tr>
<td>History (100 or 200 Series)</td>
<td>3</td>
<td>History (100 or 200 Series)</td>
</tr>
<tr>
<td>P.E. - Activity</td>
<td>1</td>
<td>P.E. - Activity</td>
</tr>
<tr>
<td>PSY 213 - General Psy</td>
<td>3</td>
<td>SPC 113 - Fund of Speech</td>
</tr>
<tr>
<td>ECO 213 - Surv of Econ</td>
<td>3</td>
<td>ECO 223 - Princ of Econ</td>
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<tr>
<td>Art or Music Apprec</td>
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<td>Minor Elective</td>
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<tr>
<td><strong>15 units</strong></td>
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<td><strong>16 units</strong></td>
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### TRAINING AND DEVELOPMENT

| Class Term | Units
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>January Term</td>
<td>16</td>
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<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>BUS 433 - Personnel Admin</td>
<td>3</td>
</tr>
<tr>
<td>TD 414 - Internship (Hospital)</td>
<td>4</td>
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<tr>
<td>SPRING</td>
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</tr>
<tr>
<td>Junior Term</td>
<td>16</td>
</tr>
<tr>
<td>Electives</td>
<td>6</td>
</tr>
<tr>
<td>BUS 333 - Personnel Admin</td>
<td>3</td>
</tr>
<tr>
<td>BUS 363 - Business Law II</td>
<td>3</td>
</tr>
<tr>
<td>BUS 383 - Business Comm (Center for Bus Stud)</td>
<td>1</td>
</tr>
<tr>
<td>TD 313 - Tech. Comm II</td>
<td>3</td>
</tr>
<tr>
<td>AED 363 - Teaching Abilities</td>
<td>3</td>
</tr>
</tbody>
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| Class Term | Units
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>Senior Term</td>
<td>16</td>
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<tr>
<td>Electives</td>
<td>6</td>
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<tr>
<td>BUS 333 - Personnel Admin</td>
<td>3</td>
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<tr>
<td>BUS 363 - Business Law II</td>
<td>3</td>
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<tr>
<td>BUS 383 - Business Comm (Center for Bus Stud)</td>
<td>1</td>
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<tr>
<td>TD 313 - Tech. Comm II</td>
<td>3</td>
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<tr>
<td>AED 363 - Teaching Abilities</td>
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| Class Term | Units
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<tbody>
<tr>
<td>FALL</td>
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<td>FALL</td>
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</tr>
</tbody>
</table>

### Department of Business and Economics
ECO 343 Family Financial Planning 3
BUS 343 Intro to Probability and Statistics 3
Upper Division Business Electives* 9
36 36

*Elective recommended:
BUS 323 Business Finance
BUS 393 Principles of Marketing
BUS 353 Business Law I
Bus 363 Business Law II
Advanced computer science courses

II. Training and Development (17 hours)
TD 303, 313 Training & Development Principles I, II 6
TD 404, 414 Training & Development Internship I, II 8
TD 323 Business Conference leadership 3
17 17

III. Education (12 hours)
EDU 363 Audio-Visual Materials & Methods 3
AED 353 Survey of Adult Education 3
AED 363 Principles of Teaching Adults 3
SED 443 Methods/ Curriculum 3
12 12

IV. Psychology (9 hours)
PSY 213 General Psychology 3
PSY 313 Educational Psychology 3
PSY 343 Fundamentals of Counseling/Guidance 3
9 9

*General Education, January Term, and Electives
(should include SPC 113 - Fundamentals of Speech) 54
128 hours

Requirements for a minor in Training and Development
TD 303, 313 Training & Development Principles I, II 6
AED 363 Principles of Teaching Adults 3
PSY 313 Educational Psychology 3
PSY 343 Fundamentals of Counseling & Guidance 3
SED 443 High School Curriculum/Methods OR
TD 404 or 414 Training & Development Internship I, II 3-4
18-19 hours
In addition to the many elective courses offered by the college, there are opportunities for students to participate in internships and other cooperative education programs. These opportunities allow students to gain practical experience and enhance their skills in their chosen fields.

The Center for Business Studies offers a variety of courses designed to prepare students for careers in business and related fields. The curriculum includes courses in accounting, finance, marketing, and management, as well as electives that allow students to tailor their education to their individual career goals.

The Center also offers a series of workshops and seminars designed to help students develop the skills they need to succeed in today's business environment. These workshops cover topics such as communication, leadership, and problem-solving.

In summary, the Center for Business Studies provides students with the knowledge and skills they need to succeed in the business world. With a strong focus on practical experience and hands-on learning, the Center prepares students for success in a wide range of careers.
Courses in the Center will include such areas as Basic Supervision, Basic Management, Human Relations, Business Communications, Small Business Bookkeeping, Small Office Management, Career development, attitude improvement, Motivation, and others as the need arises. The courses are designed to provide fifteen hours of instruction with the class meeting one night a week for five weeks, or for a shorter period meeting more than once a week.

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

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

Adult Education

Secondary Education

Special Education

Elementary Education

Education

Student Teaching

Teacher Education Curricula
Leading toward the bachelor's degree, major requirements of each major and student teaching may be included in the work portion of the professional preparation, including a study of psychology, culture, and methods of teaching. The courses required for professional preparation, including student teaching, may be considered for those teaching in the elementary or secondary schools of Arizona. A person with a bachelor's degree may normally qualify for a basic certificate.

Elementary or Secondary, Basic Certificate

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

Elementary Education

1. Elementary Education
2. Special Education (Learning Disabilities and Emotional Handicaps)
3. Secondary Education with certification in Art Education, Language Arts, Mathematics, or Science
4. Endorsements (K-12) for Art, Music, and Physical Education

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

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

Teacher Education Curricula

Education and Psychology

The courses in education and psychology are designed to provide a comprehensive and student-centered curriculum in the education of children. The courses are taught by college professors who are proficient in the preparation of classroom teachers. The courses are designed to provide a curriculum that is comprehensive and student-centered. While the Department of Education and Psychology functions primarily to

Department of Education and Psychology

105
Elementary or Secondary, Standard Certificate

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

APPLICATION PROCEDURES

Eligibility

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

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

Application for Teacher Education

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

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

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

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

GENERAL STUDIES FOR TEACHER EDUCATION

The course in which the student teaches is a dual supervision of the student teacher is performed by the school, in which the student teaches, by the College of Education.

Grand Canyon College provides experience in student teaching through an internship. The internship involves more than 60 school district hours throughout the school year.

Semester total of 14 hours

These students are given the option of taking 6 hours of student teaching for a block of June. Students are also given the option to take 6 hours of student teaching for a block of July.

The student teaching semester is offered in a block basis. The students complete courses in a single semester, which is divided into two blocks. The first block lasts 6 weeks, during which time students take 8 hours of courses. The second block, which is 6 weeks long, is devoted to the second 8 hours of student teaching.

To be placed in student teaching, students must make written application. Application forms are available from the Education Office, Office Room 116.

All students seeking to be placed in student teaching must meet written application.

Department of Education and Psychology

107
Laboratory Science
MAT 113 Liberal Arts Math

**
EDU 303 Foundations of Education 3 hours
EDU 363 Audio-Visual Materials and Methods 3 hours
EED 323 Elem. Curriculum and Methods: Science 3 hours
EED 343 Communication Arts in Elementary School 3 hours
EED 363 Curriculum and Methods: Social Studies 3 hours
EED 403 Mathematics for Elementary Teachers 3 hours
EED 412 Decoding 3 hours
EED 433 Reading in the Elementary School 3 hours
EED 443 Reading Practicum in Elementary School 3 hours

* EDU 313 Educational Psychology 3 hours
EDU 413 Tests and Measurements 3 hours
EDU 328 Student Teaching in Elementary Grades 8 hours
EDU 320 Orientation to Student Teaching 2 hours

*Courses for Elementary Certificate
(Grades K-8)
Requirements for a major in Elementary Education
(B.S. Degree)

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

Recommended electives for elementary teacher candidates:
EDU 183 Exploring Education as a Career 3 hours
EDU 313 Nursery-Kindergarten Education 3 hours
EDU 373 Children's Literature 3 hours
AE 303 Art in the Elementary School 3 hours
HLT 333 School Health Problems 3 hours
MED 333 Music in the Primary and Elementary Grades 3 hours
PE 323 Physical Education for Elementary Grades 3 hours
EDU 303 Foundations of Education

Special Education Requirements for a major in

AND ELEMENTARY CERTIFICATION COURSES FOR MONOTONALLY HANDICAPPED

Education Block-16 hours

300 Orientation to Student Teaching
3 hours

EDU 408 Student Teaching: Learning Disabilities

EDU 313 Educational Psychology

Elective in Special Education

Learning Disabilities

3 hours

SPE 363 Methods of Teaching Children with

SPE 333 Survey of Learning Disabilities

SPE 333 Diagnosis of Learning Disabilities

SPE 323 Orientation to Education of Exceptional Child

EDD 443 Reading Program

EDD 433 Reading: Elementary School

EDD 412 Decoding

EDD 403 Math for Elementary Teachers

EDD 393 Communication Arts

EDD 323 Curriculum and Methods: Social Studies

EDD 343 Communication Arts

EDD 333 Curriculum and Methods: Science

EDU 363 Audio-Visual Materials and Methods

EDU 303 Foundations of Education

(B.S. Degree)

Special Education

AND ELEMENTARY CERTIFICATION COURSES FOR LEARNING DISABILITIES

Department of Education and Psychology
EED 343 Communication Arts 3 hours
EED 363 Curriculum and Methods: Social Studies 3 hours
EED 403 Math for Elementary Teachers 3 hours
EED 412 Decoding 3 hours
EED 433 Reading: Elementary School 3 hours
EED 443 Reading Practicum 3 hours
SPE 323 Orientation to Education of Exceptional Children 3 hours
SPE 333 Diagnosis of Learning Problems 3 hours
SPE 383 Survey of Emotional Handicaps 3 hours
SPE 393 Methods of Teaching the Emotionally Handicapped Child 3 hours
Elective in Special Education 3 hours

* EDU 313 Educational Psychology 3 hours
* EDU 413 Tests and Measurements 3 hours
* SPE 418 Student Teaching: Emotionally Handicapped 8 hours
* EDU 320 Orientation to Student Teaching 2 hours

58 hours

*Education Block—16 hours
**Prerequisite to all other education courses

COURSES FOR SECONDARY CERTIFICATE
(Grades 7-12)
(Degree depends on Major)

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

31-34 hours

*Education Block—16 hours
**Prerequisite to all other education courses

The student’s major, required for graduation, is his major teaching field. Certifiable majors are listed on page 105.
Every semester and every summer—3 hours

During the sophomore year, students have already committed themselves to a career in education and should begin
some coursework in the teaching profession. The course is designed for students who
also look toward certification as educators. Today, and the challenges of the future, which await per-
sonal, social, and global influences which have shaped American education. The

EDU 303: FOUNDATIONS OF EDUCATION. A study of the historical, philo-

Every semester—3 hours

EDU 183: EXPLORING EDUCATION AS A CAREER. By observation and

EDU 103: READING SKILLS FOR SUCCESS IN COLLEGE. Designed to

Just be taken prior to EDU 113.

EDU 103 is placed on comprehension, vocabulary building, improvement of reading rate.

Education

Those needed for degree candidates

teaching experience. Requirements for admission to the program are the same as

pre-service professional education, academic preparation, and/or supervised student

high school program of at least 30 semester hours of upper division work in appro-

tion are recommended for standard certification after successful completion of a

who have previously earned a bachelor’s degree from a regionally accredited institution

who must meet current Arizona teacher certification requirements. Students

Edwin Year Program

minor department

Education or music education. Students should consult with faculty personnel in the

18. A minor is not required for secondary certification for studies majoring in an

teaching field. must be 24 semester hours (20 in some cases), rather than the usual

The minor also required for graduation, or to be creditable for a secondary school

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

Every semester and every summer — 3 hours

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

Every semester — 2 hours

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

Every semester and every summer — 3 hours

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

Every semester and every summer — 3 hours

ELEMENTARY EDUCATION

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

Every spring and every summer — 3 hours

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

Every semester and every summer — 3 hours
Every semester and every summer — 3 hours

EDD 433. READING IN THE ELEMENTARY SCHOOL. A program designed for understanding techniques and procedures for dealing with the individual child. 3 hours — Spring and every summer — 3 hours

EDD 434. DECODING. Designed to give teachers and prospective teachers a basic

EDD 435. MATHMATICS FOR ELEMENTARY TEACHERS. Preparation of

EDD 436. COMMUNICATION ARTS IN THE ELEMENTARY SCHOOL.

EDD 437. CHILDREN'S LITERATURE AND STORY TELLING. All types of

EDD 438. STUDENT TEACHING IN THE ELEMENTARY GRADES. The stu-
EED 443. READING PRACTICUM IN THE ELEMENTARY SCHOOL. Designed to provide prospective elementary teachers with an intensive teaching experience over the length of one semester. Taken concurrently with EED 433. Prerequisites: EDU 303, EED 343, 412.

Every semester and every summer — 3 hours

SPECIAL EDUCATION

SPE 323. ORIENTATION TO EDUCATION OF EXCEPTIONAL CHILDREN. Introduction to the various categories of exceptionality, with their characteristics.

Every fall — 3 hours

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

Every spring — 3 hours

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

Every fall — 3 hours

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

Every summer — 3 hours

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

Every spring — 3 hours

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

Every summer — 3 hours

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

Every semester — 8 hours
Spring, 1981., and alternate years — 3 hours.

History and developing adult education programs in schools, business, and industry.

SED 323, PRINCIPLES OF TEACHING ADULTS, 3 hours.

Fall, 1980, and alternate years — 3 hours.

PSY, 197. Adult training programs as well as public school programs.

Adult education in relation to descriptive, prescriptive, and predictive fields of study; scope, needs, and significance of adult education; philosophy and needs of higher education.

SED 233, SURVEY OF ADULT EDUCATION, 3 hours.

ADULT EDUCATION

Every semester — 3 hours.

This program is taken simultaneously with SED 472, Preprofessional, 3 hours.

reading, writing, skills of high school seniors. Taken simultaneously with SED 422, READING IN THE SECONDARY SCHOOL, this course is designed to help secondary teachers become aware of and meet the needs for

SED 422, READING IN THE SECONDARY SCHOOL, 3 hours.

Every semester and every summer — 3 hours.

SED 343, 344, and 412.

Every semester — 8 hours.

SED 325, STUDENT TEACHING IN SECONDARY EDUCATION, 12 hours.

SECONDARY EDUCATION

No Grade is given.

GED 58, 2.5 GPA, and admission to the teacher education program (Certi, only). Show of an experienced teacher. Preprofessional, SED 333, 432.

SED 418, STUDENT TEACHING IN SPECIAL EDUCATION, 10 hours.

ALTY HANDICAPPED, A program course designed to give the student teacher experience in teaching children with emotional handicaps. All-day assignment for 12 weeks in an approved school.
PSYCHOLOGY

Requirements for a minor in Psychology

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY 213 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 253 Personality Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 223 History and Systems, or</td>
<td>3</td>
</tr>
<tr>
<td>PSY 303 Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Psychology</td>
<td>9</td>
</tr>
</tbody>
</table>

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

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

*Every semester, and every summer — 3 hours*

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

*Spring, 1981, and alternate years — 3 hours*

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

*Every semester — 3 hours*

**PSY 303. SOCIAL PSYCHOLOGY.** See SOC 303.

**PSY 313. EDUCATIONAL PSYCHOLOGY.** See EDU 313.

**PSY 333. PSYCHOLOGY IN RELIGION.** See REL 333.

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

*Every semester and every summer — 3 hours*
Full, 1.980, and alternate years — 3 hours

PSY 413.

Note that this course is essential for all persons majoring in behavioral sciences. Pretreatment student waiting in psychology may be permitted to take the course. It is assumed emotional, functional, and psychologic factors influencing mental health. While mental illness and to prevent mental illness by a better awareness of the

PSY 423. ABNORMAL PSYCHOLOGY. Designed to help the student to understand

Every semester — 3 hours
and the guidance and control of adolescent behavior. (Prerequisites: PSY 213.
adolescent impulsivity, instruction and social restraints, the psychic and adolescent; significance of adolescence; physical, mental, moral, and religious development.

PSY 373. ADOLESCENT PSYCHOLOGY. An examination of the meaning and

MAT 363.

PSY 363. INTRODUCTION TO PROBABILITY AND STATISTICS. See

Every semester and every summer — 3 hours
Play in child life; and the synthesis and integration of prenatal, Pretreatment: motor and emotional development of children; motivation, thinking, work, and

PSY 353. CHILD PSYCHOLOGY. An analysis of infant behavior: a study of the

Department of Education and Psychology
117
DEPARTMENT OF
HEALTH AND PHYSICAL EDUCATION

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

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

Upon written recommendation of a medical doctor and approval of the Department of Physical Education and the Executive Vice President, a three-hour course in physical education or health education may be substituted for the entire requirement in physical activity courses. Normally, one of the following courses suffices: PE 213, HLT 203, or HLT 213.

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

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

Requirements for a minor in Health Education

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HLT 203 First Aid &amp; Safety</td>
<td>3</td>
</tr>
<tr>
<td>HLT 213 Personal Health</td>
<td>3</td>
</tr>
<tr>
<td>HLT 333 School Health Problems</td>
<td>3</td>
</tr>
<tr>
<td>HLT 343 Principles of Public Health</td>
<td>3</td>
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<tr>
<td>HLT 353 Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>HLT 363 Methods of Teaching</td>
<td>3</td>
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</tbody>
</table>

Requirements for a major in Physical Education

(B.S. Degree)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PE 101, 111, 121, 131, 201, 231, 241 (choice)</td>
<td>Any 4</td>
</tr>
<tr>
<td>PE 243 History and Principles</td>
<td>3</td>
</tr>
<tr>
<td>PE 273 Recreation Administration</td>
<td>3</td>
</tr>
<tr>
<td>PE 282 Professional Activities</td>
<td>2</td>
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</tbody>
</table>
HEALTH EDUCATION

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLT 333 Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 433 Organization and Administration</td>
<td>3</td>
</tr>
<tr>
<td>PE 333 or 433 Methods</td>
<td>3</td>
</tr>
<tr>
<td>PE 313 Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 223 Professional Activities</td>
<td>2</td>
</tr>
<tr>
<td>PE 283 Professional Activities</td>
<td>2</td>
</tr>
<tr>
<td>PE 243 History and Principles</td>
<td>2</td>
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<tr>
<td>PE 211, 231, 241</td>
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</tr>
<tr>
<td>PE 101, 111, 121, 131</td>
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</table>

Requirements for a Minor in Physical Education

Includes both PE 413 and 323.

Note: Students who wish to qualify for K-12 certification must earn 40 hours which

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>HLT 333 Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 433 Organization and Administration</td>
<td>3</td>
</tr>
<tr>
<td>PE 333 or 413 Methods</td>
<td>3</td>
</tr>
<tr>
<td>PE 313 Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PE 223 Professional Activities</td>
<td>2</td>
</tr>
</tbody>
</table>

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

*Every fall — 3 hours*

HLT 363. METHODS OF TEACHING HEALTH. A study of methods and procedures of teaching health. Resources, aids, and agencies are studied in an attempt to determine how they may best assist the teacher.  

*Every spring — 3 hours*

HLT 383. DRUG ABUSE SEMINAR. See SOC 383.

HLT 399. PRACTICUM. See page 76.

HLT 499. INDEPENDENT STUDY. See page 76.

**PHYSICAL EDUCATION**

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

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

*Every semester — 1 hour*

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

*Every semester — 1 hour*

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

*Every semester — 1 hour*

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

*Every semester — 1 hour*

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

*Every semester — 1 hour*

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

*Every semester — 1 hour*

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

*Every semester — 1 hour*

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

*Every fall — 3 hours*
Phys. Ed. 322. 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.

Phys. Ed. 323. PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD. A study of the role and mechanics of officials, and the physical and mental needs of the exceptional child.


Phys. Ed. 333. ATHLETIC COACHING BASEBALL, A study of the fundamentals, skills, and coaching philosophy.

Phys. Ed. 334. ATHLETIC COACHING BASKETBALL, A study of the fundamentals, skills, and coaching philosophy.

Phys. Ed. 343. ATHLETIC COACHING FOOTBALL, A study of the fundamentals, skills, and coaching philosophy.
PE 413. PHYSICAL EDUCATION IN SECONDARY SCHOOL. Designed for persons who plan to teach physical education at the high school level. Topics include classification of students, organization of classes, choice and selection of appropriate activities and materials, progression, and testing. Prerequisite: PE 243.

Every fall — 3 hours

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

Every spring — 3 hours

PE 399. PRACTICUM. See page 76.

PE 499. INDEPENDENT STUDY. See page 76.

DRIVER EDUCATION


Every spring — 3 hours
DEPARTMENT OF
HISTORY AND SOCIAL SCIENCES

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

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

Requirements for a major in Behavioral Sciences**
(B.A. or B.S. Degree)

SOC 213 Principles of Sociology 3 hours
SOC 313 Cultural Anthropology or
SOC 323 History of Social Thought 3 hours
PSY 213 General Psychology 3 hours
PHI 213 Introduction to Philosophy 3 hours
Electives in Criminal Justice, or Electives in Psychology,
or electives in Sociology 18 hours
Regardless of which of these three areas of concentration is chosen, at least 9 hours must be upper division courses.

Requirements for a minor in Behavioral Sciences**

SOC 213 Principles of Sociology 3 hours
SOC 313 Cultural Anthropology or
SOC 323 History of Social Thought 3 hours
PSY 213 General Psychology 3 hours
PHI 213 Introduction to Philosophy 3 hours
Requirements for a Minor in Social Studies

Not recommended for prospective teachers in secondary education.

Upper Division Courses in Social Studies
ECO 213 Principles of Economics I
ECO 303 Federal and Arizona Government
SOC 213 Principles of Sociology
SOC 293 Social Problems

History
HIS 213 and 223 Early and Recent American History
HIS 113, 123, and 233 History of Civilization I, II, and III
(B.A. Degree)

Requirements for a Major in Social Studies

Upper Division Courses in History
HIS 213 and 223 Early and Recent American History
HIS 113, 123, and 233 History of Civilization I, II, and III

Electives in History (12 Hours upper division)
HIS 213 and 223 Early and Recent American History
HIS 113, 123, and 233 History of Civilization I, II, and III
(B.A. Degree)

Requirements for a Major in History

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

Electives in Psychology or Sociology

Not recommended for prospective teachers in secondary education.

Department of History and Social Sciences
Requirements for a minor in Government

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

Requirements for a minor in Sociology

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

Requirements for a minor in Criminal Justice

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

GEOGRAPHY

GEO 313. PHYSICAL GEOGRAPHY. A geographic study of climate, topography, drainage, soils, and plant and animal life and their influence on man and on the development of civilization. The course includes laboratory work and field trips.

Every spring — 3 hours

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

Every fall — 3 hours

GOVERNMENT

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

Every semester and every summer — 3 hours

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

Spring, 1981, and alternate years — 3 hours
GOV 101. CONSTITUTIONAL HISTORY OF THE UNITED STATES. (Also HIST 423.) A study of the origin, development, interpretation, and amendments to the Constitution. 3 hours. Spring, 1981, and alternate years — 3 hours.

GOV 102. AMERICAN DIPLOMATIC HISTORY. (Also HIST 393.) The diplo-

GOV 202. ARIZONA GOVERNMENT. The second half of GOV 201, a survey

GOV 203. ARIZONA GOVERNMENT. The third half of GOV 201, a survey

GOV 302. FEDERAL GOVERNMENT. The first half of GOV 301, a survey of

GOV 303. CONTEMPORARY POLITICAL THOUGHT. A continuation of

GOV 304. CONTEMPORARY POLITICAL THOUGHT. A continuation of
HISTORY

HIS 113. HISTORY OF CIVILIZATION I (TO THE RENAISSANCE). Designed to introduce the student to the origin and early development of Western civilization, with attention given to the cultural, political, and socioeconomic factors. Non-Western civilizations are also considered.  
Every semester — 3 hours

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

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

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

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

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

HIS 313. HISTORY OF ENGLAND TO 1714. A study of the origin and the development of the English people, with particular attention given to their political, social, economic, and cultural institutions and their interaction with continental Europe. Prerequisites: History 113 and 123, or permission of instructor.  
Fall, 1980, and alternate years — 3 hours
HIS 143. MODERN BRITAIN. A study of the significant political, economic, and cultural developments in Britain and the role of Britain in the European context. Pre-requisite: HIS 113 and 112.


HIS 333. THE FRENCH REVOLUTION. A study of the political and social revolutions of the 18th century. Pre-requisite: HIS 113 and 112.

HIS 334. THE ENGLISH REVOLUTION. A study of the political and social revolutions of the 17th century. Pre-requisite: HIS 113 and 112.

HIS 335. THE RUSSIAN REVOLUTION. A study of the political and social revolutions of the 20th century. Pre-requisite: HIS 113 and 112.

HIS 336. THE COMPARATIVE REVOLUTIONS. A study of the political and social revolutions of the 19th and 20th centuries. Pre-requisite: HIS 113 and 112.

HIS 337. LATIN AMERICAN HISTORY. A study of the history of Latin America from the Spanish conquest to the present. Pre-requisite: HIS 113 and 223.


HIS 339. CHURCH HISTORY. 3 hours. Pre-requisite: HIS 113.

HIS 413. RUSSIA AND EASTERN EUROPE. A study of the Russian people and their history. Fall, 1980, and alternative years. 3 hours.

Deptartment of History and Social Sciences
Russian expansion during the Romanov period, the Near East in its relations with Russia, the Bolshevik Revolution, and Soviet Russia. Prerequisites: HIS 113 and 123.

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

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

*Spring, 1981, and alternate years — 3 hours*

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

*Spring, 1982, and alternate years — 3 hours*

**HIS 473. THE TEACHING OF SOCIAL STUDIES.** A methods course designed primarily for persons who are planning to teach history, political science, or related social studies subjects at the secondary level. Attention is given to the obtaining of material for presentation and to the effective methods of presentation. Prerequisite: Approval of instructor.

*Summer, 1981, and alternate years — 3 hours*

**HIS 499. INDEPENDENT STUDY.** See page 76.

*Every semester*

**HIS 493. THE WEST IN AMERICAN HISTORY.** A study of the westward movement: the advancing frontier and western political, economic, and social development from the colonial period to the 20th century. Prerequisites: HIS 213 and 223.

*Spring, 1981, and alternate years — 3 hours*

**SOCIOLOGY**

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

*Every fall — 3 hours*

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

*Every spring — 3 hours*
3 hours

Every spring
and cultural implications, and principles of program planning
and cultural implications, and principles of program planning, 3 hours. PSY 213, CONSCIOUS.

SOC 353. ETHNICITY IN THE AMERICAN CONTEXT, 3 hours. (Also PSY 351)

3 hours

Every fall

Family Setting

The family as part of the larger social structure, and the role of the family in socialization and socialization of the individual. PSY 213 or SOC 213.

SOC 323. HISTORY OF SOCIOLOGY. 3 hours. (Also PSY 313) A study of social thought from prehistoric times to the present.

3 hours

Every spring

Group Processes and Group Dynamics

Group processes and group dynamics in the context of social interaction, and the influence of group processes and group dynamics on social interaction. PSY 213 or SOC 213.

PSY 303. SOCIAL PSYCHOLOGY. (Also PSY 303) A study of social and individual behavior. Attention is given to the development of group feelings, collective behavior, and the influence of mass communication on social interaction and social structure.
SOC 384. HUMAN ECOLOGY. See EVS 384.

SOC 399. PRACTICUM. See page 77. Every semester — 1-4 hours

SOC 423. AMERICAN MINORITY PEOPLES. A study of the various minority groups in the United States and their sociological significance in our national group and culture. The blacks, Indians, Orientals, Mexicans, Jews, foreign-born, and war refugees are studied. The history and present status of American immigration policy are also considered. Every fall — 3 hours

CRIMINAL JUSTICE

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

CJ 213. INTRODUCTION TO THE PROCESSES OF CRIMINAL JUSTICE. An overview of the philosophy, development, constitutional limitations, and agencies of criminal justice. Attention is also given to an evaluation of contemporary processes of criminal justice. Prerequisite: SOC 223 or permission of the instructor. Every fall — 3 hours

CJ 223. INTRODUCTION TO CORRECTIONAL SCIENCE. Historical development of the American probation, penitentiary, parole, and court systems will be surveyed, as well as their relationship to one another and to society at large. Prerequisite: CJ 213 or permission of the instructor. Every spring — 3 hours

CJ 233. CRIMINAL LAW. The philosophy and origins of our criminal statutes, both in Arizona and broadly on a national level. Classifications of types and levels of crimes are studied; the various penalties for each and by general types are reviewed. Elements of the offense, parties to it, and differing levels of involvement are noted. Prerequisites: CJ 213 and 223, or permission of instructor. On demand — 3 hours

CJ 313. RULES OF EVIDENCE. The origin, development, and philosophy and legal basis of criminal evidence; constitutional and procedural considerations affecting arrest, search and seizure of offenders and their property. The kinds and degrees of evidence, and court (legal) rules governing admissibility of evidence; proper preservation of evidence to retain its admissibility. Some time is given to studying specific court cases which set forth and interpret the individual's rights with respect to evidence. Prerequisite: CJ 213 or permission of instructor. On demand — 3 hours
On demand — 3 hours

433. Juvenile Justice System Management. Decision-making, organization, and administration of juvenile justice and law enforcement Agencies. Principles and philosophy governing the operation of these two systems of law enforcement. A detailed study of the program to personnel needs. Prerequisite: C 223 and Junior standing.

434. Parole and Probation Procedures. A study of the criminal court system, from the permission of the instructor. Understanding of what can be expected from each section. Prerequisite: C 223 or

449. Techniques of Supervision. A review of the demands of the system.
CJ 463. TECHNICAL REPORT WRITING. Basic concepts of good reports, as adapted to the field of criminal justice. Study of the uses of reports; practical exercises in gathering information and writing reports. Prerequisite: Junior standing.

On demand — 3 hours

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

On demand — 3 hours
<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>DGN 484 Design Problems and Techniques</td>
</tr>
<tr>
<td>4</td>
<td>AR 484 Studio Problems and Techniques</td>
</tr>
<tr>
<td>4</td>
<td>AR 431, 432, 433, 434 Portfolio Competence</td>
</tr>
<tr>
<td>3</td>
<td>AR 303, 313, 322, 333, 363, 373, 383</td>
</tr>
<tr>
<td>6</td>
<td>AR 213, 223, 233, 263, 273, 283</td>
</tr>
<tr>
<td>6</td>
<td>DGN 243, 293 Two- and Three Dimensional Design</td>
</tr>
<tr>
<td>3</td>
<td>AR 203 Drawing I</td>
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<tr>
<td>3</td>
<td>AR 373 Ascendiga I</td>
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<tr>
<td>3</td>
<td>AH 333 American Art or AH 363 Contemporary Art</td>
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<tr>
<td>3</td>
<td>AH 333, 343 Art History I, II</td>
</tr>
</tbody>
</table>

(1.N. Degree)

Requirements for a major in ArT

Courses are open to any student with no prerequisites. The department recommends that the course of art be ALL lower div.- and that the course of art be ALL lower div.-

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

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

A minor is not required for students receiving secondary certification.

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

42 hours

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

Requirements for a minor in Art

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 183 Media and Methods of Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 203 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>DGN 243 Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>DGN 253 Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>AH 333, 343 Art History I, II; AH 353, 363 American Art, Contemporary Art</td>
<td>3</td>
</tr>
<tr>
<td>Upper division elective</td>
<td>3</td>
</tr>
</tbody>
</table>

18 hours

Requirements for a teaching minor in Art

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 183 Media and Methods of Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 203 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>DGN 243, 253 Two- and Three-Dimensional Design</td>
<td>6</td>
</tr>
<tr>
<td>AE 303 Art in the Elementary School</td>
<td>3</td>
</tr>
<tr>
<td>AE 323 Crafts for the Elementary Teacher or</td>
<td>3</td>
</tr>
<tr>
<td>AE 423 Art in the High School</td>
<td>3</td>
</tr>
<tr>
<td>AH 333, 343, 353, 363</td>
<td>3</td>
</tr>
<tr>
<td>Upper division elective</td>
<td>3</td>
</tr>
</tbody>
</table>

24 hours
ART STUDIO

AR 103, DRAWING 1. Development of skills in basic techniques of drawing and
used in establishing a home art studio. Every fall — 3 hours

ART STUDIO

SPRING, 1982, and alternate years — 3 hours

Problems, comparing ideas, and applying concepts to recast works of art.

Discussion groups, and independent research will enable the student in identifying
intellectual and intellectual frames of reference. Provides an overview of major ideas
of art and criticism from the time of Plato through Renaissance. Particular

AH 383, ART HISTORY II. An approach to understanding concepts which have
country.

Fall, 1981, and alternate years — 3 hours

Conception of new concepts and expression with media and modes of process.

AH 393, CONTEMPORARY ART. Recast and current trends in art with special

On demand — 3 hours

Attention to art and criticism from the time of Plato through Renaissance. Includes

AH 373, ART HISTORY I. An introduction to aesthetic from historic, philosophic-

On demand — 3 hours

Statement of the New World Today.

AH 333, AMERICAN ART. History of art in the United States from European

Spring, 1981, and alternate years — 3 hours

Mannerist, Baroque, Rococo, Neo-classic, Romantic, and Modern epochs.

AH 343, ART HISTORY II. A survey of Occidental art during the Renaissance,

Fall, 1980, and alternate years — 3 hours

Roman, and Medieval European art to the Renaissance.

AH 333, ART HISTORY I. A survey of ancient Near Eastern, Egyptian, Greek,

Every semester — 2 hours

major of minor.

Each semester to order personal interests of each individual. No credit for art

AH 112, INTRODUCTION TO ART. A direct introduction to the act of making

Department of Humanities
AR 213. CRAFTS I. An exploratory approach to the designing and forming of contemporary crafts, such as copper enameling, macrame, batiking, off loom weaving, etc. 

*Fall, 1981, and alternate years — 3 hours

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

*Spring, 1981, and alternate years — 3 hours

AR 253. JEWELRY I. A study of methods and procedures for making jewelry, including fabricating and casting processes. 

*Every spring — 3 hours

AR 263. CERAMICS I. An introduction to the nature of clay and glazes, exploring the process of forming and techniques of surface treatment. 

*Every fall — 3 hours

AR 273. SCULPTURE I. An introduction to the sculpting processes of carving, modeling, and fabricating, emphasizing volume, movement, and space. 

*Fall, 1980, and alternate years — 3 hours

AR 283. PAINTING I. An introduction to the techniques and processes of painting, including composition, color, and technical skills of preparing and using equipment. 

*Spring, 1982, and alternate years — 3 hours

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

*Every spring — 3 hours

AR 313. CRAFTS II. In-depth exploration of creative work in several craft media, including the basic process of using art metal. Prerequisite: AR 213. 

*Fall, 1981, and alternate years — 3 hours

AR 323. PRINTMAKING II. Provides exposure in some depth to the process of printmaking. Prerequisite: AR 223. 

*Spring, 1981, and alternate years — 3 hours

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

*On demand — 2 hours

AR 353. JEWELRY II. Continued studio problems of jewelry-making methods and procedures. Prerequisite: AR 253. 

*Every spring — 3 hours

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

*Every fall — 3 hours
Relationships, and the structural aspects of plastic arts. This course is designed to expand the student's awareness of design, art, and the use of space in the creation of visual images. Instructor: Deyah J. Spratt.

DEN 234, THREE-DIMENSIONAL DESIGN. Explores basic principles of the design studio.

DEN 244, TWO-DIMENSIONAL DESIGN. Basic principles of the structural elements of visual images. Instructor: Deyah J. Spratt.

By arrangement—1, 2, 3, 4 hours

AR 499, INDEPENDENT STUDY. Research, seminar, or readings and conferences. 1, 2, 3, 4 hours

AR 481, 2, 3, 4 STUDIO PROBLEMS AND TECHNIQUES. Advanced studio problems in the medium of the student's choice. Instructor: Deyah J. Spratt.

By arrangement—1, 2, 3, 4 hours

AR 431, 2, 3, 4 PORTFOLIO PREPARATION AND TECHNIQUES. Preparation of portfolios and resumes for the artist. Instructor: Deyah J. Spratt.

DEN 243 and AR 303, MAY BE REPEATED FOR UP TO FOUR HOURS TOTAL CREDIT.

AR 499, PRACTICUM. The practicum is a supervised practical experience in the use of design and its applications. Instructor: Deyah J. Spratt.

AR 393, PAINTING II. Provides exposure in some depth to specific areas of the painting process. Instructor: Deyah J. Spratt.

AR 373, SCULPTURE II. Continues exploration of sculpting process. Instructor: Deyah J. Spratt.

Denmark of Humanities
DGN 481, 2, 3, 4. DESIGN PROBLEMS AND TECHNIQUES. Advanced design problems in the medium of the student's choice. By approval of instructor only.

*By arrangement — 1, 2, 3, 4 hours*

**Art Education**

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

*Every spring — 3 hours*

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

*Every summer — 3 hours*

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

*On demand — 3 hours*

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

*Fall, 1981, and alternate years — 3 hour.*

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

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

**ENGLISH AND SPEECH**

The instruction given in English has three objectives — two of them for every student who attends Grand Canyon College and the third specifically for those students who possess or develop a major interest in language and literature. The first objective is that the student may acquire a command of clear and effective English, spoken and written, that will prepare one to assume a responsible position in the American community. The second objective is the development of the ability to read good literature with appreciation and enjoyment and with an awareness of the values presented. The third objective, for the major in English, is a more specific study of the skills and knowledge involved in the first two objectives. The student
EMAH463 Selected Writings of C.S. Lewis
EMAH443 Major Author Seminar

V. Single Author: EMAH23 Shakespeare

ETCA393 Advanced Grammar
ETCA433 Creative Writing
EUV223 Writing for Publication
EUV223 Seminar in Writing

II. Writing and Literature: EMAH303 Advanced Composition

EULC643 Poetry of the Victorian Period
EULC633 Romantic Period in English Literature
EULC603 18th Century Literature and the Christian Faith

III. Period Courses: EULC333 The Novel

I. American Literature: EAL303, 323 American Literature

English major with emphasis on literature

true, writing, and teaching

Students who major in English have a choice of three areas of emphasis: literature

BA. (Degree)

Requirements for a major in English

Development of English and American Language and Literature.

Who has mastered in English should be equipped to write effectively and imaginatively,

Department of Humanities
English major with emphasis on Writing

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

EEW313 Business and Technical Writing
EEW343 Advanced Composition
EEW453 Seminar in Writing (may be repeated for a maximum of 6 hours)
EEW323 Writing for Publication (may be repeated for a maximum of 6 hours)
EEW453 Creative Writing (may be repeated for a maximum of 6 hours)
ETL333 The Short Story
ETL413 The Novel
JRN213, 313 Small Newspaper

Recommended electives for this major include:
January Term Photography
DRA113 Acting I
CS113 Introduction to Computer Science
AR203 Drawing I
DGN243 1 Dimensional Design

English major with emphasis on Teaching

The English teaching major shall consist of the following courses:

EEL213, 223 English Literature 6 hours
EAL313, 323 American Literature 6 hours
EMA423 Shakespeare 3 hours
ELG363 Advanced Grammar 3 hours
EEW343 Advanced Composition, EEW 483 Seminar in Writing, EEW323 Writing for Publication, EEW 453 Creative Writing 3 hours
EEL373 English Literature of 18th Century, EEL383 Romantic Period of English Literature, EEL463 Poetry of Victorian Period, 9 hours
ETL333 The Short Story, ETL413 The Novel, EMA443 Major Author Seminar 30 hours
SPC 43 Advanced Public Speaking
SPC 213 Group Discussion
SCI 13 Fundamentals of Speech

3-9 hours

Group I:

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

Requirements for a major in Theatre-Speech

18 hours

SPC 33 Oral Interpretation of Literature
SPC 32 Advanced Public Speaking

9-12 hours

SPC 33 Communication and the Media
SPC 32 Voice and Diction

Group II: Speech

EEW 43 Seminar in Writing
EEW 43 Creative Writing
EEW 33 Advanced Composition
EEW 33 Business and Technical Writing
EEW 13 English Writing

Requirements for a minor in Communications

18 hours

Upper division electives in English
EEW 213, 223 English Literature I, II
EEW 123 Composition and Literature
EEW 113 Grammar & Composition

24 hours

Upper division electives in English
ETL 123, 223 American Literature I, II
ETL 123, 223 English Literature I, II
EEW 123 Composition and Literature
EEW 113 Grammar & Composition

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

Requirements for a teaching minor in English

Department of Humanities

147
Group II:
DRA113 Acting I
DRA243 Repertoire Acting Company
DRA343 Repertoire Acting Company

3-9 hour.

Group III:
DRA213 Introduction to Drama
DRA313 History of the Theatre

3-6 hours

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

6 hours

Group V:
DRA233 Stagecraft & Theatrical Design
DRA433 Stage Lighting and Design

6 hours

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

3-6 hours

33 hours

Requirements for a minor in Speech
SPC113 Fundamentals of Speech 3 hours
SPC343 Advanced Public Speaking 3 hours
SPC323 Voice and Diction 3 hours
SPC353 Oral Interpretation of Literature 3 hours
SPC213 Group Discussion 3 hours
Performing Drama 3 hours

18 hours

Requirements for a minor in Theatre
DRA113 Acting I 3 hours
DRA233 Stagecraft & Theatrical Design 3 hours
DRA433 Stage Lighting & Design 3 hours
SPC113 Fundamentals of Speech
SPC213 Group Discussion
SPC343 Advanced Public Speaking 3-9 hours
the prose and poetry since the middle of the nineteenth century.

EAT 332, AMERICAN LITERATURE, A continuation of AVLA 13, comprising
Fall, 1981, and alternate years — 3 hours

Republic through life by the middle of the nineteenth century.

EAT 313, AMERICAN LITERATURE, A study of the background and national
American Literature

Spring, 1982, and alternate years — 3 hours
catch author.

THE ROMANTIC PERIOD, a comparison of
Fall, 1981, and alternate years — 3 hours

much of the poetry and prose produced in England between 1798 and 1832.

EEL 383, THE ROMANTIC PERIOD IN ENGLISH LITERATURE, A study of
Fall, 1980, and alternate years — 3 hours

country. The most important prose and poetry of the period are examined.

EEL 373, ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY, A

study of selections from the works of the Restoration Period through the 18th

Every Spring — 3 hours

period from the Romantic period to modern era.

EEL 223, ENGLISH LITERATURE, A continuation of EEL 213, covers the

Every Fall — 3 hours

and biographical context.

EEL 213, ENGLISH LITERATURE, A study of English literature from the Old

English Literature

ENGLISH

18 hours

3-9 hours

DRAW223 Christian Drama
DRAW213 History of Literature
DRAW213 Introduction to Drama

Department of Humanities
English Writing

EEW 113. GRAMMAR AND COMPOSITION. A course in the writing of clear and effective prose, emphasizing fluency, structure, and correctness.

Every semester and every summer — 3 hours

EEW 123. COMPOSITION AND LITERATURE. A continuation of EEW 113. The work involves a variety of expository techniques based on the students' readings and a research paper.

Every semester and every summer — 3 hours

EEW 313. BUSINESS AND TECHNICAL WRITING. A course designed to present the best practices in writing business communications and technical reports.

Fall, 1981, and alternate years — 3 hours

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

Every semester, on demand — 3 hours

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

Spring, 1981, and alternate years — 3 hours

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

Fall, 1980, and alternate years — 3 hours

EEW 483. SEMINAR IN WRITING. A course planned for students who have shown exceptional ability in writing and who are interested in independent research or creative writing. May be repeated for a maximum of 6 hours.

Spring, 1982, and alternate years — 3 hours

Language Grammar

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

Spring, 1981, and alternate years — 3 hours

Genre Courses

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

Spring, 1981, and alternate years — 3 hours
Speech

IRN 313, SMALL NEWSPAPER, a continuation of IRN 213.

Journalism

On demand — 3 hours

On demand — 3 hours

Journalism

IRN 313, SMALL NEWSPAPER, a continuation of IRN 213.

English Teaching

Fall, 1980, and alternate years — 3 hours

Known writings with emphasis on his religion, non-fiction, and fiction.

EMN 463, SELECTED WRITINGS OF G. LEWIS, A study of Lewis, best

Spring, 1982, and alternate years — 3 hours

with a literary theme, selected according to the student's area of specialization.

EMN 443, MAJOR AUTHOR SEMINAR, A study of the life and works of a specific

Major Author Courses

Fall, 1981, and alternate years — 3 hours

American literature.

ETL 413, THE NOVEL, A study of the development of the novel in English and

Spring, 1980, and alternate years — 3 hours

both country literature and other countries in English.

ETL 343, TWENTIETH CENTURY LITERATURE AND THE CHRISTIAN
SPC 113. FUNDAMENTALS OF SPEECH. A basic course which emphasizes voice, diction, and basic principles of oral communication. It is normally prerequisite to all other courses in speech and drama.  
Every semester — 3 hours

SPC 213. GROUP DISCUSSION. The study of the communicative process as it relates to the theory and techniques of group discussion. Participation in discussion groups. Prerequisite: SPC 113 or permission of instructor.  
Every spring on demand — 3 hours

SPC 323. VOICE AND DICTION. A study of phonetics, principles of voice production, vocabulary building, and the correction of weaknesses in voice production and enunciation.  
Fall, 1980, and alternate years — 3 hours

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

SPC 343. ADVANCED PUBLIC SPEAKING. An intense study of the techniques and practice of public speaking. Provision is made for participation in tournament speaking. Prerequisite: SPC 113 or permission of instructor.  
Every fall on demand — 3 hours

SPC 353. ORAL INTERPRETATION OF LITERATURE. A study of the methods and techniques of interpretative oral reading of varied types of literature.  
Spring, 1981, and alternate years — 3 hours

DRAMA

DRA 113. ACTING I. Principles of pantomime and dramatic action designed to establish the proper relationship of the voice to the body and its functions in the interpretation of character. Designed also to help develop coordination, grace, physical presence and facility in the actor, vocalist, teacher, athlete, and other persons involved in public performance. Two hours per week in studio work, and participation in productions.  
Fall, 1980, Spring, 1982 and alternate years

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

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

Modern Languages

Fall, 1982, and alternate years — 3 hours
DRA 433. STAGE LIGHTING AND DESIGN. The art of designing scenic and dramatic lighting. Laboratory projects in direct-current, alternating current, and one- and two-wire circuits. 3 hours.

Spring, 1982, and alternate years — 3 hours
DRA 413. DIRECTING. A study of directing, the art of casting, and techniques of interviewing and auditioning. 3 hours.

Fall, 1981, and alternate years — 3 hours
DRA 333. COMMUNICATIONS AND THE MEDIA. 3 hours.

Spring, 1982, and alternate years — 3 hours
DRA 313. HISTORY OF THE THEATRE. Traces the major developments in dramatic production from its earliest beginnings to modern times. 3 hours.

Fall, 1981, and alternate years — 3 hours
DRA 223. CHRISTIAN DRAMA. DIRECTING AND PERFORMING. (Also REL 223) A creative production lab with opportunities to perform for students and other groups. Emphasis on direction, staging, and dialogue. 3 hours.

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

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

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

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

**Requirements for a minor in Spanish**

SPA 114, 124 Elementary Spanish 8 hours
SPA 213, 223 Intermediate Spanish 6 hours
SPA 343, 414 6 hours

**French**

**FR 114. ELEMENTARY FRENCH.** A study stressing conversation and the fundamentals of grammar, pronunciation, and composition, together with graded reading.  
*Fall, on demand — 4 hours*

**FR 124. ELEMENTARY FRENCH.** A continuation of FR 114. Prerequisite: FR 114 or equivalent.  
*Spring, on demand — 4 hours*

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

**FR 223. INTERMEDIATE FRENCH.** A continuation of FR 213.*  
*Spring, on demand — 3 hours*

**German**

**GER 114. ELEMENTARY GERMAN.** A program of individualized study using a text-workbook, practice tapes, films, computer practice, and classroom experience to develop the fundamentals of hearing, speaking, reading, and writing.  
*Fall, on demand — 4 hours*

**GER 124. ELEMENTARY GERMAN.** A continuation of GER 114. Prerequisite: GER 114 or equivalent.  
*Spring, on demand — 4 hours*

**GER 213. INTERMEDIATE GERMAN.** Reading of appropriate German texts, study-review of grammar, and practice in conversation to increase fluency in the basic skills. Prerequisite: GER 124.*  
*Fall, on demand — 3 hours*
hour courses, in which case special projects will be required.

Upon recommendation of the instructor, a student may enroll in intermediate language courses as follows:

- Spring
  - 3 hours
  - Self-expression

Spanish literature and to advance their reading competence. Emphasis on oral

Every fall

seasoned to give the student practice in writing in Spanish about Spanish literature.

Every spring

Spring

*SPA 413. SPANISH LITERATURE. Designed to expand the student’s knowledge

of Spanish composition. A course in

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

Every fall

SPA 111 or equivalent

Non- and the reading of suitable texts. Prerequisite: SPA 124.

Every spring

SPA 114 or equivalent

A continuation of SPA 114. Prerequisite:

Every fall

Reading

durants of grammar, pronunciation, and composition, together with graded

Every spring

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

Spanish Department of Humanities
Department of Music

Church Music
Voice
Piano
Organ
Instrumental Music

Music Theory and History
Ensembles
Department Regulations
DEPARTMENT OF MUSIC

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

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

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

DEPARTMENT REGULATIONS

Participation in Group Performance

Seven semesters of participation for music majors and three semesters for music minors must be fulfilled in the major ensembles: Wind Ensemble, Orchestra, Stage Band, Oratorio, Choralaires, and Piano Accompanying. Majors may audit or participate as an extra-curricular activity in the smaller ensembles.

For non-majors or minors, elective credit (1 hour) may be given for such authorized smaller ensembles as Stage Band.

Choral Music

The Oratorio Society is an organization formed for the purpose of presenting an oratorio each semester. Membership is open to all students. Persons who enroll for MUS 111 are members of the Society.

The Choralaires is an organization whose members are chosen by audition from the Oratorio Society. In addition to rehearsing with the parent group, the unit rehearses separately and presents concerts throughout the year in high schools, in churches, and on the campus, as well as on radio and television. The highlight of the year is the annual spring tour. The repertoire includes program selections from the better choral works of both sacred and secular music.
concert event, over all music recital, including junior and senior recitals, minons, 26 per.

Required attendance at recitals. Full-time music majors are required to attend 75%

to submit acceptable original compositions.

A student majoring in music is required in place of junior and senior recitals.

decrec Regulation, page 69)

two consecutive (zero in one consecutive incomplete grade in consecutive nec-

If for some unforeseen reason the recital cannot be performed during the se-

As the proper rec. (see page 27.)

give. This is done by registering for either a junior recital or senior recital and

Application for Juniors or Senior Recital, Application for a Junior or Senior Recital

even (see p. 160, Private Lessons, Applied Music Jury Exam)

music (voice instrumental or keyboard) at the previous semester's jury

Permission for a Junior or Senior Recital must be granted by the music faculty of

Given evidence of being able to complete this course of study within the year

the preceding senior course, having completed all senior prerequisites, and who

not later than two weeks before commencement, a student who is following

each career candidate with an applied music concentration and must be completed

Senior Recital. A formal senior recital, individually performed, is required of

Recitals

I21

director, for membership in one of these groups will enroll in I1S 101, 111, or

formal music majors, two or more students may combine their junior

Junior Recital is a prerequisite to enroll level works a formal junior recital is re-

Recitals

121

Instrumental Music

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

An unsatisfactory record in recital attendance must be made up by fulfilling the designated number of recital performances. This may be done at other college or university recitals and programs or attending six classical artist concerts for each semester in which a grade of unsatisfactory has been received. Failure to have satisfactory recital attendance will result in postponed graduation until all unsatisfactory recital records have been removed from the student’s permanent academic record.

Concert Attendance Requirement

Music and Music Education majors are required to attend at least three classical artist concerts each semester. Minors must attend two artist concerts.

Public Performance

Groups and individual performers are frequently sent out in response to requests from churches, clubs, and schools. Students enrolled in applied music courses are encouraged, in consultation with their applied music instructors, to participate in public performances.

Private Lessons

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

Absence from Private Lessons. Lessons missed because of the student’s negligence are not made up. Lessons missed because of unavoidable circumstances or because of the absence of the instructor are made up at a time suitable to both persons. A student is expected to notify the instructor of an anticipated absence at least four hours before the scheduled lesson. Lessons missed during tours, trips or holidays are not required to be made up.

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

Applied Music Jury Examination. All Music, Church Music, and Music Education majors and minors are required to perform before a jury of music faculty members
c. Vocal Projectory Examination (for instrumental concentrations only)

d. Instrumental Projectory Examination (brass, woodwinds, strings, and

- Projectory Examination (for all except organ or piano concentration)

- Conducting Tests (either choral or instrumental)

- Sight Singing Test

1. Competition of the following tests:

   *Student Teaching in Music*

   The following music requirements must be completed prior to admission to

   Student Teaching.

   - Voice authorized by the instructor
   - Music for other concentrations shall register for class voice unless other
   - Music for other concentrations shall register for other

   
   a. Placement of Transfer Students

   Upon completion of the examination, the student will be enrolled in the music concentration as defined in the

   b. Piano Projectory Examination

   and evidence of growth exhibited in this examination.

   For the final semester grade, which is determined by the quality of performance

   Department of Music

   161
2. Completion of the following laboratory requirements:
   a. Four semesters of credit for either choir, orchestra, or wind ensemble, plus three semesters of audited ensembles.
   b. For piano or organ concentrations, a minimum of two semesters of laboratory in accompanying.

3. MED 333 and 413. Music in Elementary School, Junior and Senior High School

4. Satisfactory record in recital attendance.

Music Scholarships

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

DEGREE PROGRAMS

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

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

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

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

Euphonium

Extracurricular participation in instrumental

4 hours

MUS 111 Coord. Music (7 semesters participation)
MUS 300, 400 Jr. Senior Recital

4 hours

MUS 333, 343 Music History
MUS 114, 124, 214, 224 Music Theory

6 hours

First two semesters of voice lessons
With VOI 101, 201 Division (taken concurrently with
VOI 111, 121, 131, 132, 331, 332 Lessons

16 hours

3. Voice Concentration

44 hours

Ensemble, Orchestra, or Choral Music

Ensemble (7 semesters participation in Wind

0 hours

MUS 300, 400 Jr. Senior Recital

2 hours

MUS 422 Music Literature

4 hours

Additional Applied Music (3 hours composition)

4 hours

Piano, Organ

2 hours

MUS 423 Modern Harmony

6 hours

MUS 333, 343 Music History

3 hours

MUS 333 Counterpoint

16 hours

MUS 114, 124, 214, 224 Music Theory

44 hours

Choral Music

Ensemble of Orchestra, Piano Accompanying

2 hours

Ensemble (7 semesters participation, Wind

0 hours

MUS 300, 400 Jr. Senior Recital

2 hours

MUS 422 Music Literature

6 hours

MUS 333, 343 Music History

16 hours

PNO 131, 132, 331, 332 Piano, Piano

16 hours

Ensemble, Orchestra, and Choral Music

Ensemble (7 semesters participation, preferably Wind

4 hours

PNO 131, 132, 331, 332 Piano, Piano
6. Classical Guitar
- GTR 141, 142, 341, 342 Classical Guitar: 14 hours
- GTR 151, 152, 351, 352 Studio Guitar: 2 hours
- MUS 114, 124, 214, 224 Music Theory: 16 hours

- Piano*: 4 hours
- MUS 300, 400 Junior, Senior Recitals: 0 hours
- MED 372 Choral, Conducting: 2 hours
- MUS 422 Music Literature**: 2 hours
- Ensembles in Chamber Music, Quartet, Orchestra (7 semesters participation): 4 hours

44 hours

7. Studio Guitar
- GTR 151, 152, 351, 352 Studio Guitar: 12 hours
- GTR 141, 142, 341, 342 Classical Guitar: 4 hours
- MUS 114, 124, 214, 224 Music Theory: 16 hours
- MUS 333, 343 Music History: 6 hours
- MUS 300, 400 Junior, Senior Recitals: 0 hours
- MED 312 Instr. Music Organizations: 2 hours
- Piano: 3 hours
- INS 311 Jazz Improvisation: 1 hour
- MED 372 Choral Conducting: 2 hours

Ensemble: Jazz band or Stage band (7 semesters participation): 4 hours

50 hours

*Student must successfully complete a Piano Proficiency Exam.
**Courses in French or German recommended.
***This course may be waived by passing a Music Literature Exam.

Requirements for a minor in Music

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

1. Orchestral Instrument
- INS 131, 132, 331, 332 Private Instrument: 4 hours
- Piano, Organ: 3 hours
- MUS 114 Beginning Theory I: 4 hours
- MED 372 Choral Conducting: 2 hours
- INS 101 or INS 111 Wind Ensemble and/or Orchestra: 3 hours
- MUS 333 Music History I: 3 hours

19 hours
A minor is not required for students receiving secondary certification.

The Music Department prerequisites to student teaching in music, one must also meet schools before being admitted to student teaching in music, one must also meet

\[ \text{(B.S. Degree)} \]

(for person planning to teach public school music)

**Requirements for a major in Music Education**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 333 Music History I</td>
<td>3</td>
</tr>
<tr>
<td>MUS 111 Choral Music</td>
<td>3</td>
</tr>
<tr>
<td>MED 372 Choral Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MUS 114 Beginning Theory I</td>
<td>4</td>
</tr>
<tr>
<td>Piano, Organ</td>
<td>3</td>
</tr>
<tr>
<td>Voice</td>
<td>2</td>
</tr>
<tr>
<td>First two semesters of voice</td>
<td></td>
</tr>
<tr>
<td>VOI 101, 201 Dictation (taken concurrently with</td>
<td></td>
</tr>
<tr>
<td>VOI 111, 121, 131, 132, 331, 332 Private Lessons</td>
<td></td>
</tr>
</tbody>
</table>

19 hours

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 333 Music History I</td>
<td>3</td>
</tr>
<tr>
<td>Piano 441 Accompaniment</td>
<td>3</td>
</tr>
<tr>
<td>INS 111 Orchestra, or</td>
<td></td>
</tr>
<tr>
<td>INS 101 Wind Ensemble, or</td>
<td></td>
</tr>
<tr>
<td>MUS 111 Choral Music</td>
<td>2</td>
</tr>
<tr>
<td>MED 372 Choral Conducting</td>
<td>4</td>
</tr>
<tr>
<td>MUS 114 Beginning Theory I</td>
<td>3</td>
</tr>
<tr>
<td>Piano, Organ</td>
<td>4</td>
</tr>
<tr>
<td>VIC 332 Voice Lessons</td>
<td>2</td>
</tr>
</tbody>
</table>
Category I. The student takes all of these courses:

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

42 hours

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

1. Orchestral Instrument Concentration
   - INS 131, 132, 331, 332 Private Instrument 8 hours
   - Piano, Organ** 3 hours
   - MED 312 Instrumental Music Organizations 2 hours
   - INS 111 Wind Ensemble, Orchestra or Band (7 semesters of participation) 4 hours

17 hours

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

18 hours

3. Piano Concentration
   - PNO 131, 132, 331, 332 Private Piano 8 hours
   - VOI 111, 121, 131, 132, 331, 332 Private Voice 3 hours
   - MUS 313 Counterpoint 3 hours
   - PNO 411 Piano Accompanying 2 hours
   - Ensembles (5 semesters participation in instrumental, choral, piano) 2 hours

18 hours

4. Theory Concentration
   - MUS 313 Counterpoint 3 hours
   - MUS 402 Modern Harmony 2 hours
   - MUS 333, 343 Music History 6 hours
Student must successfully complete the Piano Placement Examination.

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

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

<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Ensembles Participation (Jazz)</td>
</tr>
<tr>
<td>7</td>
<td>Enssemble: Jazz Ensemble or Stage Band</td>
</tr>
<tr>
<td>1</td>
<td>INS 311 Jazz Improvisation</td>
</tr>
<tr>
<td>2</td>
<td>MUS 321, 322 Improvisation</td>
</tr>
<tr>
<td>2</td>
<td>MUS 300, 400 Junior, Senior Recitals</td>
</tr>
<tr>
<td>0</td>
<td>Piano</td>
</tr>
<tr>
<td>7</td>
<td>GTR 131, 132, 322 Studio Guitar</td>
</tr>
<tr>
<td>4</td>
<td>GTR 141, 142, 341, 342 Classical Guitar</td>
</tr>
</tbody>
</table>

6. Guitar Concentration

<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Participation in Instrumental Ensemble, Recorder Ensemble</td>
</tr>
<tr>
<td>4</td>
<td>MUS 111 Choral Music (2 semesters participation)</td>
</tr>
<tr>
<td>2</td>
<td>MUS 42 Vocal Pedagogy</td>
</tr>
<tr>
<td>3</td>
<td>Piano, Organ</td>
</tr>
<tr>
<td>2</td>
<td>with first 2 semesters of Voice</td>
</tr>
<tr>
<td>8</td>
<td>VOl 101, 201 Vocal Diction (Taken concurrently)</td>
</tr>
<tr>
<td>10</td>
<td>Voice Concentration</td>
</tr>
</tbody>
</table>

5. Voice Concentration

<table>
<thead>
<tr>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>Choral Music, Wind Ensemble, Orchestra</td>
</tr>
<tr>
<td>4</td>
<td>Enssemble, Ensemble Participation in</td>
</tr>
<tr>
<td>2</td>
<td>Additional Applied Music</td>
</tr>
<tr>
<td>3</td>
<td>Piano, Organ</td>
</tr>
<tr>
<td>3</td>
<td>Composition (a suitable composition will substitute for recital)</td>
</tr>
</tbody>
</table>

COM 131, 132, 331, 332 Composition
Requirements for a minor in Music Education

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

1. Orchestral Instrument Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INS 131, 132, 331, 332 Private Lessons</td>
<td>3</td>
</tr>
<tr>
<td>Piano, Organ</td>
<td>2</td>
</tr>
<tr>
<td>MUS 114 Beginning Theory I</td>
<td>4</td>
</tr>
<tr>
<td>MED 372 Choral Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MED 333 Music in Primary &amp; Elem Grades or</td>
<td></td>
</tr>
<tr>
<td>MED 413 Music in Jr &amp; Sr High School</td>
<td>3</td>
</tr>
<tr>
<td>MED 221, 231, 241 Brass, String,</td>
<td></td>
</tr>
<tr>
<td>Woodwind, Percussion classes</td>
<td>2</td>
</tr>
<tr>
<td>INS 101 or INS 111 Wind Ensemble or Orchestra</td>
<td>3</td>
</tr>
</tbody>
</table>

19 hours

2. Piano or Organ Concentration

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORG/PNO 131, 132, 331, 332 Private lessons</td>
<td>3</td>
</tr>
<tr>
<td>VOI 111, 121, 131, 132, 331, 332 Private Voice</td>
<td>2</td>
</tr>
<tr>
<td>MUS 114 Beginning Theory I</td>
<td>4</td>
</tr>
<tr>
<td>MED 372 Choral Conducting</td>
<td>2</td>
</tr>
<tr>
<td>MED 333 Music in Primary &amp; Elem Grades or</td>
<td></td>
</tr>
<tr>
<td>MED 413 Music in Jr &amp; Sr High School</td>
<td>3</td>
</tr>
<tr>
<td>MED 211, 221, 231, 241 Brass, String,</td>
<td></td>
</tr>
<tr>
<td>Woodwind, Percussion classes</td>
<td>2</td>
</tr>
<tr>
<td>Choral Music, Wind Ensemble,</td>
<td></td>
</tr>
<tr>
<td>Orchestra, Piano Accompanying</td>
<td>3</td>
</tr>
</tbody>
</table>

19 hours

3. Voice

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

21 hours
Requirements for a Major in Church Music

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

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

3. Piano

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

4. Theory

- MUS 402 Modern Harmony 2 hours
- COM 131, 132, 331, 332 Composition 6 hours
- VOI 111, 121, 131, 132, 331, 332 Private Voice 4 hours
- Additional Applied Music (VOI, PNO, ORG, INS) 4 hours
- MUS 300, 400 Junior, Senior Recital or suitable composition 0 hours
- Piano, Organ** 3 hours
- Ensemble: MUS 111 Choral Music (2 sem.) 2 hours
- Instrumental (5 sem.) 23 hours
MUS 114. ELEMENTARY THEORY OF MUSIC. A continuation of MUS 114.

Every spring — 4 hours

Prerequisite: MUS 114 (or equivalent).

MUS 112. FUNDAMENTALS OF MUSIC. An introduction to music. No credit for music majors. Required for the degree in music, including general education and understanding of music, art, music, and literature.

Every spring — 2 hours

No prerequisite.

MUS 111. CHORAL MUSIC. Successful students are also selected from Choral Music.

Touch, rhythm, and melody. No credit for music majors. Required for all students. May be repeated for credit up to 1 credit. No credit for music majors.

MUS 111. CHORAL MUSIC. Successful students are also selected from Choral Music.

Music

**This course may be repeated by passing a Music Literacy Examination.**

<table>
<thead>
<tr>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td>Participation in instrumental ensembles recommended</td>
</tr>
<tr>
<td>4</td>
<td>MUS 111 Choral Music (7 semesters)</td>
</tr>
<tr>
<td>2</td>
<td>400 Junior, 400 Senior Recital</td>
</tr>
<tr>
<td>2</td>
<td>Voice</td>
</tr>
<tr>
<td>16</td>
<td>5 Voice</td>
</tr>
<tr>
<td>10</td>
<td>MUS 300, 400 Vocal Methods and Pedagogy</td>
</tr>
<tr>
<td>2</td>
<td>MEI 40 Voice Methods and Pedagogy</td>
</tr>
</tbody>
</table>

Vol 101, 201 Vocal Lecture
Vol 111, 121, 131, 132, 331, 332 Private Lessons

Department of Music
MUS 214. ADVANCED THEORY OF MUSIC. Advanced study in partwriting, including chromatic and other non-harmonic tones; further study in sight-singing and dictation; and keyboard application of theoretical materials. Three hours of class work and two hours of laboratory. Prerequisite: MUS 124 (or the equivalent).

Every fall — 4 hours

MUS 224. ADVANCED THEORY OF MUSIC. A continuation of MUS 214. Prerequisite: MUS 214 (or equivalent).

Every spring — 4 hours

MUS 252. MUSIC APPRECIATION. Designed to contribute to the intellectual, emotional, and aesthetic understanding of music as expression, as science, and as an art closely akin to all other fine arts. Great works of music are heard in the hope that the student will gain some insight into music's inner workings and that he will develop a discriminating and intelligent appreciation of the best in music.

Every semester and every summer — 2 hours

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

Every fall — 3 hours

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

Every spring — 3 hours

MUS 333. MUSIC HISTORY I. A survey of music from primitive times to the early 19th century A.D. Presents the growth of music through the contrapuntal schools culminating in the work of J. S. Bach. The development of opera and oratorio and the rise of homophonic music through the Classical Period of Haydn, Mozart, and Beethoven.

Every fall — 3 hours

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

Every spring — 3 hours

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

Every fall — 3 hours
Every fall — 3 hours

**MUS 422. MUSIC LITERATURE.** A survey of music literature including master works of chamber music, symphony, concerto, choral music, and opera, with emphasis on style and aesthetic. Prerequisites: MUS 333 and 343.

Every spring — 2 hours

**MUS 421. MODERN HARMONY.** An introduction to contemporary composition.
MED 372. CHORAL CONDUCTING. A study of the fundamentals and techniques of conducting hymns, anthems, and other choral music. Problems of directing vocal groups are studied. Prerequisite: Junior standing or consent of instructor.  

Every fall — 2 hours

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

Every spring — 2 hours

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

Every fall — 2 hours

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

Every spring — 3 hours

GUITAR

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

Every semester — 1 hour

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

Every semester — 1 hour

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

Every semester — 1 hour

INSTRUMENTAL MUSIC

INS 101. WIND ENSEMBLE. Provides experience in the performance of music written for wind and percussion instruments. May be repeated for credit not to exceed four hours toward graduation (see page 158).  

Every semester — 1 hour
Every semester — 1 hour

**OBC 121. CLASS ORGAN II**

A continuation of OBC 111.

Every fall — 1 hour

**OBC 111. CLASS ORGAN I**

A course in elementary organ technique for students with no previous organ training. This course is designed to introduce the student to the organ on a scale, and to prepare him for the organ literature by practice and instruction. The pedagogical principles of the organ are also discussed, and the student is introduced to the various techniques and styles of organ playing. This course is designed to prepare the student for further study in organ literature.

Every semester — 1 hour

**NO 114. ORGAN**

A course in the study of the organ as an instrument. This course is designed to introduce the student to the various techniques and styles of organ playing. The student is also introduced to the various literature and styles of organ literature.

Every semester — 1 hour

**INS 131. IMPROVISATION**

A course designed to introduce the student to the various techniques and styles of organ playing. This course is designed to prepare the student for further study in organ literature.

Every semester — 1 hour

**INS 121. ORGAN TECHNIQUE**

A course designed to introduce the student to the various techniques and styles of organ playing. This course is designed to prepare the student for further study in organ literature.
ORG 431. ORGAN LITERATURE AND ACCOMPANIMENT. Designed for organ majors. The major organ works written in every historical period are heard and studied by means of records. Pipe organ stops are studied. Some assignment for accompanying a choir is given the student. Prerequisite: Two years of college organ.  

**PIANO**

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

**Every semester — 1 hour**

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

**Every semester — No Credit**

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

**Every semester — 1 hour**

PNO 131, 132, 331, 332. PRIVATE PIANO. Successive semesters of private instruction in piano. A study of piano technique, including major and minor scales in octaves, scales in thirds, sixths, and tenths, broken chord exercises, and arpeggios in sevenths. Literature studied includes works by J.S. Bach, Mozart, Beethoven, Chopin, Liszt, Debussy, Prokofiev, and other outstanding composers. Preparation is made for junior and senior recitals. Course number and amount of credit are based upon the amount of instruction and practice required.  

**Every semester — 1 or 2 hours**

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

**Every semester — 1 hour**

**VOICE**

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

**Every fall — 1 hour**
Every spring — 3 hours

Church Music

Church Music

Church Music
Computer Science
Mathematics
Physics
Environmental Science
Chemistry
Biology

AND MATHEMATICS
NATURAL SCIENCES
Department of
Hours
MAT 132, 163 Calculus
PHY 114, 124 General Physics
CHE 324, 334 Organic Chemistry
CHE 114, 124 General Chemistry
BIO 214, 224 Zoology

Following courses: Some or primary schools may require in any field but should complete the

Pharmacy

Requirements for Pre-Medicine, Pre-Denistry, Pre-Veterinary Medicine

In the Senior Seminar for at least one semester during the senior year.
Guided or all graduates in the Department, each degree candidate must also enroll in the Advanced Graduate Record Exam in an area in rec.

Competency Examination in Major Area

College

Courses required for these programs during the first two years at Grand Canyon

In the fields of Biology, Chemistry, Environmental Science, Computer Science, or

Career opportunities at the bachelor's level include teaching, chemical analysis,

Pharmacy

Opportunities for professional training in medicine, dentistry, veterinary medicine, or

and to prepare qualified students for graduate study in these disciplines.

The department provides appropriate courses for students who desire to specialize.

AND MATHEMATICS

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

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

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

Requirements for a minor in Biology*

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

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

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

Requirements for a minor in Chemistry*

CHE 114, 124 General Chemistry I, II 8 hours
CHE 324, 334 Organic Chemistry I, II 8 hours
Elective in Chemistry 4 hours
The Teaching Minor in Science is designed to give prospective teachers a broad introduction to science rather than a specialization in one field. It is particularly useful for teachers in Grades 4-8 who will be teaching both life and physical sci-

tifications who desire to be certified upon graduation in one of these subjects as a teaching minor must:

3 hours
MAT 363 Probability and Statistics

3 hours
CS 419 Data Structures and Programming Languages

3 hours
CS 403 Assembly Language

3 hours
CS 309 FORTRAN

3 hours
CS 223 COBOL

3 hours
CS 133 Intro to Computer Science

Requirements for a Minor in Computer Science
6 hours
Upper division elective in Mathematics

6 hours
Computer Science (3 hours)

Elective from MAT 213, 223, 233, or

MAT 123, 163, 165 Calculus II

Requirements for a minor in Mathematics
8 hours
PHY 114, 124 General Physics

3 hours
Computer Science (upper division)

Mathematics elective from 213 and upper division

MAT 123, 163, 223, 233, Calculus I, II, III, IV

(B.S. Degree)

Requirements for a major in Environmental Science
10 hours
Electives in Environmental Science

4 hours
EVS 384 Human Ecology

4 hours
EVS 264 Ecology and Conservation

Requirements for a minor in Environmental Science
14 hours
Electives in Environmental Science

4 hours
EVS 384 Human Ecology

4 hours
EVS 374 Animal Ecology

4 hours
EVS 364 Atmospheric Science

4 hours
EVS 264 Ecology and Conservation
BIO 214 or 224 Zoology 4 hours  
CHE 114 General Chemistry 4 hours  
PHY 144 Physics for Liberal Arts 4 hours  
Biology elective 4 hours  
Electives in environmental science, biology, chemistry, or physics 8 hours

**PROGRAM SCHEDULES**

The following guides are designed to aid the student in planning each year for progress toward the completion of a degree program.

**Biology Major**

<table>
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<th>Freshman Year</th>
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<td>History elective 3</td>
<td>Art or Music 2</td>
<td>Biology elective 4</td>
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<td>EEW 113</td>
<td>P.E. activity 1</td>
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**Pre-Professional Program**

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<td>EVS elective 4</td>
<td>CHE 324</td>
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<td>PHY 224</td>
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Mathematics Major

Fall Semester

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<td>MAT 223</td>
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<td>MAT 213*</td>
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<td>MAT 153</td>
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Spring Semester

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* suggested

MATH-SCIENCE FOR GENERAL STUDIES

The purpose of the Scientific Foundations of Life in General Studies (see pages 83 and 84) is to provide each student with the opportunity to study the basic concepts of science and mathematics as they apply to everyday life, and to study some depth at least one area of science through the completion of a laboratory experience. A student may accomplish these goals through the successful completion of any mathematics course and any laboratory science course including SCI 114.

SCI 114. SCIENCE FOR LIBERAL ARTS. A study of the historical and philosophical foundations of mathematics and science. Emphasis on concepts of science and their application to modern life. The laboratory requirement is met by participation in a 3-day field trip to northern Arizona.

Every semester and every summer — 4 hours.

BIOLOGY

The biology course offerings provide opportunity to study one or more areas of life science in depth as electives or as partial fulfillment of the general studies requirements. The student who completes a biology major will be prepared for a career in general biology, for graduate study in biology, or for teaching biology at the secondary school level. With additional work in chemistry and mathematics,
BIO 334. HUMAN ECOLOGY, S/C EYS 384.

BIO 374. AQUATIC ECOLOGY, S/C EYS 374.

BIO 334. MOLECULAR BIOLOGY, S/CHE 334. BIOTECHNOLOGY.

Every Fall — 4 hours

Prerequisites: BIO 114 or 214. An introduction to the principles and applications of microbiology, with a study of the general characteristics of microorganisms and their relation to man. Laboratory includes techniques of study.

BIO 344. MICROBIOLOGY (also EYS 344). An introduction to the principles of the human body. Laboratory exercises cover basic physiological processes of each of the systems of the body. Spring, 1992, and alternate years — 4 hours.

BIO 264. ECOLOGY AND CONSERVATION, S/C EYS 264.

Every Spring — 4 hours

Prerequisites: EYS 114 or 214. An introduction to the principles of ecology and conservation. Laboratory exercises cover basic ecological processes and principles. Spring, 1992, and alternate years — 4 hours.

BIO 220. ZOOLOGY, S/C EYS 220.

Every Fall — 4 hours

Prerequisites: Introductory psychology and a year of college-level biology. An introduction to the topics covered in the course. Fall, 1992, and alternate years — 4 hours.

BIO 214. GENERAL ZOOLOGY, S/C EYS 214.

Prerequisites: Introductory psychology and a year of college-level biology. An introduction to the topics covered in the course. Fall, 1992, and alternate years — 4 hours.

Department of Natural Sciences and Mathematics
BIO 444. COMPARATIVE ANATOMY. Principles of chordate anatomy with emphasis upon study of comparative vertebrate structures. Laboratory emphasis upon dissection of representative vertebrates. Prerequisite: BIO 224.

Fall, 1980, and alternate years — 4 hours

BIO 454. EMBRYOLOGY. Principles of the developmental processes of vertebrates with the emphasis upon mammalian embryology. Laboratory includes living starfish, chick and fish embryos, and a survey of the microscopic anatomies of vertebrate embryos. Prerequisite: BIO 214.

Fall, 1981, and alternate years — 4 hours

BIO 399. PRACTICUM. See page 76.

Every semester — 1-4 hours

BIO 499. INDEPENDENT STUDY. See page 76.

Every semester — 1-4 hours

CHE 114. GENERAL CHEMISTRY. Principles of modern chemistry. Topics include atomic theory, chemical bonding, stoichiometry, equilibria, and the properties of matter in various physical states. Prerequisite: High school algebra.

Every fall — 4 hours

CHE 124. GENERAL CHEMISTRY. Continuation of CHE 114. Topics include thermodynamics, kinetics, electrochemistry, descriptive chemistry of the elements, and introductions to organic and biochemistry. Prerequisite: CHE 114.

Every spring — 4 hours

CHE 314. ANALYTICAL CHEMISTRY. Principles of quantitative and instrumental analysis. Topics include titrametric, gravimetric, and analytical separation methods; and optical, magnetic, and electroanalytical methods of analysis. Prerequisite: CHE 124.

Every fall — 5 hours

CHE 324. ORGANIC CHEMISTRY. Synthetic, structural, mechanistic, and spectroscopic aspects of aliphatic and aromatic carbon compounds are covered. Prerequisite: CHE 124.

Every fall — 4 hours

CHE 334. ORGANIC CHEMISTRY. Continuation of CHE 324. Topics include chemistry of the functional groups and biochemical processes. Prerequisite: CHE 324.

Every spring — 4 hours
Every spring – 4 hours

Cultural and economic development, field and laboratory experiences. Of the non-scientific student, designed to develop an appreciation and understanding of the earth, the solar system, and celestial phenomena. Appropriate as an elective for EVS 144, General Geology.

EVS 144, General Geology. An introduction to physical and historical geology. 4 hours

EVS 144, Astronomy. A study of the principles and history of astronomy. 4 hours

Health sciences.

Health science disciplines (12 credits)

In one or more related disciplines such as biology, chemistry, mathematics, social science or health science disciplines may be selected from a number of other disciplines. The number of credits to be selected from each discipline is determined by the department of the College. The major course listed in the requirements for a major in environmental science is required to achieve a major in environmental science.

For credit, many of the courses in environmental science are offered through other departments.

The study of environmental science is highly interdisciplinary in nature; therefore, many of the courses in environmental science are offered through other departments.

ENVIRONMENTAL SCIENCE

CHE 199, INDEPENDENT STUDY. Sec. Page 76. 4 credits

CHE 299, Practicum. Sec. Page 76. 4 credits

CHE 499, Practicum. Sec. Page 76. 4 credits

Environmental Science (EVS 144) constitutes the foundation of the environmental science curriculum. The course is listed in the requirements for a major in environmental science.

CHE 44, PHYSICAL CHEMISTRY. A study of the principles and application to the study of the physical and chemical behavior of matter. 3 credits

CHE 44, PHYSICAL CHEMISTRY. A study of the principles and application to the study of the physical and chemical behavior of matter. 3 credits

CHE 494, PHYSICAL CHEMISTRY. A study of the principles and application to the study of the physical and chemical behavior of matter. 3 credits

CHE 394, BIOCHEMISTRY. A study of the principles and application to the study of the physical and chemical behavior of matter. 3 credits

CHE 394, BIOCHEMISTRY. A study of the principles and application to the study of the physical and chemical behavior of matter. 3 credits

CHE 394, BIOCHEMISTRY. A study of the principles and application to the study of the physical and chemical behavior of matter. 3 credits

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CHE 394, BI...
EVS 264. ECOLOGY AND CONSERVATION. (Also BIO 264.) The introductory course in environmental science. The basic concepts of ecology are covered, with emphasis on terrestrial communities. Principles and concepts of resource and energy conservation. Laboratory and field experiences illustrate conservation and demonstrate environmental survey techniques.

Every fall — 4 hours

EVS 364. ATMOSPHERIC SCIENCE. A study of the earth's atmosphere, including composition, movement, weather and other meteorologic phenomena. The study of air pollution, the impact of pollution on the environment, and methods of pollution control.

Every fall — 4 hours

EVS 374. AQUATIC ECOLOGY. (Also BIO 374.) An ecological study of the plants and animals which live in and around water. The effect of man on aquatic ecosystems, and the water needs of man. Laboratory investigation in water analysis and aquatic ecosystems survey techniques. Prerequisite: BIO 214.

Every spring — 4 hours

EVS 384. HUMAN ECOLOGY. (Also BIO 384 and SOC 384.) A study of the principles of population and the relationship of population change to the environment. The processes of fertility, mortality, migration, growth, distribution and density. Emphasis upon the impact of man on the environment. Laboratory and field experiences.

Every spring — 4 hours

EVS 473. ADVANCED TOPICS IN ENVIRONMENTAL SCIENCE. Each semester a different advanced topic will be offered: water quality control, air quality control, environmental law, energy systems planning, and other appropriate subjects.

Every semester — 3 hours

EVS 399. PRACTICUM. See page 76.

Every semester — 1-4 hours

EVS 499. INDEPENDENT STUDY. See page 76.

Every semester — 1-4 hours

For descriptions of the following courses which may be taken as Environmental Science electives, see listings and descriptions under the departments offering the course:

EVS 223. SOCIAL PROBLEMS. See SOC 223.

EVS 313. CULTURAL ANTHROPOLOGY. See SOC 313.

EVS 324. GENETICS AND EUGENICS. See BIO 324.

EVS 343. PRINCIPLES OF PUBLIC HEALTH. See HLT 343.

EVS 344. MICROBIOLOGY. See BIO 344.
Every semester — 3 hours
MAT 101 INTERMEDIATE ALGEBRA. Prerequisite: Placement considering Algebra. Permits entrance to college. Placement Tests must be taken to determine entry level.

Each course in the mathematics laboratory is part of a sequence of courses. Each course will be offered as needed on an independent study basis.

The three-year curriculum consists of three modular self-paced courses: Inter-

Mathematics Laboratory

Every semester — 3 hours
MAT 113 LIBERAL ARTS MATHEMATICS. An introduction to various math-
ses.

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

MATHEMATICS

Every spring — 4 hours
PHY 144 PHYSICS, FOR LIBERAL ARTS. A survey of physics with emphasis on
applications to everyday life in the modern world. The basic laws and phenomena
of classical mechanics are studied, using elementary mathematics (no calculus). Lecture

Every spring — 4 hours
PHY 124 GENERAL PHYSICS I. A continuation of Physics 114. Topics include

Every fall — 4 hours
PHY 114 GENERAL PHYSICS II. A continuation of Physics 114. Topics include


PHY 363 INTRODUCTION TO PROBABILITY AND STATISTICS. See

PHY 333 THE AMERICAN COMMUNITY. See SOC 333.

Department of Natural Sciences and Mathematics.
MAT 121. COLLEGE ALGEBRA. Prerequisite: Placement counseling and two years of high school algebra, or MAT 120. Every semester — 3 hours

MAT 122. TRIGONOMETRY. Prerequisite: Placement counseling and two years of high school algebra, or MAT 120. Every semester — 2 hours

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

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

MAT 213. COLLEGE GEOMETRY. A course in the technique of construction and the procedure of proofs of common geometric figures, particularly adapted to the needs of future teachers of high school mathematics. A brief introduction to non-Euclidean geometry is also included. Every spring — 3 hours

MAT 223. ANALYTIC GEOMETRY AND CALCULUS III. A study of vectors and parametric equations, and of solid analytic geometry. Prerequisite: MAT 163. Every fall — 3 hours

MAT 233. ANALYTIC GEOMETRY AND CALCULUS IV. A study of partial differentiation, multiple integrals, infinite series, complex numbers, and functions. Prerequisite: MAT 223. Every spring — 3 hours

MAT 333. INTRODUCTION TO REAL ANALYSIS. The real numbers, sequences and series, the derivative, the Riemann integral, sequences and series of functions. Prerequisite: MAT 233. Fall, 1980, and alternate years — 3 hours

MAT 343. TOPOLOGY. A first course in general topology, with emphasis on the topology of the real numbers. Topics include topology space, continuity, connectedness, compactness, separation axioms, and metric spaces. Prerequisite: MAT 223. Spring 1981, and alternate years — 3 hours

MAT 363. INTRODUCTION TO PROBABILITY AND STATISTICS. (Also BUS 343, EVS 363, and PSY 363.) A study of elementary theories of probability, distribution, and testing of statistical hypotheses. Practical experience is provided in the application of statistical methods. Prerequisite: MAT 113 or equivalent. Every spring — 3 hours
Fall, 1981, and alternate years - 3 hours


Spring, 1982, and alternate years - 3 hours

CS 402. Assembly Language and Programming Languages. Such as assembly, Basic, and others will be studied. In addition, the student will be introduced to several high level languages, e.g., Algol, Pll, SNO. Requirements: A grade of C or better in CS 401, 403.

CO 130. Assembler Language. A study of the techniques needed to program a computer in an own assembly language. Essential for the computer student of computer science.

CO 133. Introduction to Computer Science. A basic study of computer science.

Every semester

Mat 49, Independent Study. See page 76.
DEPARTMENT OF RELIGION

The courses in the Department of Religion are intended to give students an understanding and appreciation of the Bible, to arouse in them a desire for Christian usefulness, and to equip them for leadership in various church activities.

Many of the courses in this department are designed to be beneficial to all college students. Some of them are courses which ministerial students should take, whether or not they expect to continue their studies in seminary.

Suggested Course of Study for Ministerial Students

The ministerial student should plan his course of study to give him the best possible general preparation for his life work. He should enroll in a wide variety of courses, according to his interest, that will provide background for his association with people in all fields of endeavor. Suggested areas would include sociology, psychology, history, science, business, and government. For improvement of his ability in communication, the ministerial student should become proficient in speech, English, and possibly journalism. He should take courses in physical education which will help him develop a lifelong program of health improvement and care.

In preparation for seminary and for spiritual growth, the ministerial student should take at least a minor in Bible or Religion. One who does not plan to go to seminary should major in one of these fields. Seminary courses are usually more technical and of broader scope than college courses. Usually, any Religion or Bible course offered in college will be only preparatory and will not result in repetition at seminary.

Requirements for a major in Bible

(B.A. Degree)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIB 113 and 123 Old and New Testament History</td>
<td>6</td>
</tr>
<tr>
<td>BIB 373 Christian Doctrines</td>
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</tr>
<tr>
<td>Electives in Bible (may include 6 hours Religion)</td>
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Requirements for a major in Religion

(B.A. Degree)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
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<td>6</td>
</tr>
<tr>
<td>BIB 373 Christian Doctrines</td>
<td>3</td>
</tr>
<tr>
<td>REL 303, 333, 353, or 463</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Bible or Religion</td>
<td>18</td>
</tr>
</tbody>
</table>
Fall, 1981, and alternative years — 3 hours

Concurrent and interpretation. Prerequisites: Bib 113 and 123.

Testament, with reference to later literature, style, occasion of writing, authorship.


Fall, 1981, and alternative years — 3 hours

Bib 113 and 123.

Testament, with reference to later history, criticism, and law. Prerequisites: Bib 113 and 123.

Beginning, history, and the Hebrews. A study of the first five books of the Bible with special emphasis given to the spiritual record of the era.


Spring, 1980, and alternative years — 3 hours

Bib 333, Old Testament Prophecy, and alternative years — 3 hours.

Bib 113 and 123.

Each student will be expected to do personal work as a part of this course. Precepts of New Testament, including personal, church, and mass training.


Every semester and every summer — 3 hours


Electives in Bible or Religion (3 hours upper division)

Bib 332, Christian Doctrine

Bib 113 and 123, Old and New Testament History.

Requirements for a minor in Religion

Electives in Bible (3 hours upper division)

Bib 332, Christian Doctrine

Bib 113 and 123, Old and New Testament History.

Requirements for a minor in Bible
BIB 373. CHRISTIAN DOCTRINES. A systematic study of the major doctrines of the Bible, including revelation and the Bible, the Trinity, the doctrine of man, the atonement, salvation and Christian growth, the church and its ordinances, and eschatology. Prerequisites: BIB 113 and 123. Every fall — 3 hours

BIB 423. GENERAL EPISTLES AND REVELATION. A study of the historical background, authorship, and exegetical analysis of the General Epistles (Hebrews; James; I and II Peter; I, II, and III John; and Jude) and Revelation. Prerequisites: BIB 113 and 123. Spring, 1981, and alternate years - 3 hours

BIB 433. LIFE AND TEACHINGS OF CHRIST. A study of the life of Jesus, with special attention given to his person, teachings, and work. Prerequisites: BIB 113 and 123. Fall, 1980, and alternate years — 3 hours

BIB 443. LIFE AND LETTERS OF PAUL. A study of the life and times of the apostle Paul, with an interpretation of his epistles based upon their historical setting. Prerequisites: BIB 113 and 123. Every spring — 3 hours

BIB 463. BIBLICAL Backgrounds. A geographical and archaeological survey of Palestine and the countries near it, including the important political, social, and religious customs and conditions which have a bearing on Biblical history. Prerequisites: BIB 113 and 123. Spring, 1982, and alternate years — 3 hours

NEW TESTAMENT GREEK

The courses listed below are designed to enable the student to acquire an early mastery of the essentials of inflection and syntax, to resolve the principal difficulties of grammatical analysis, and to develop in the student a vigorous and independent interest in the Greek New Testament. Fourteen hours of Greek (two years) are recommended for the Bachelor of Arts degree.

GRK 274. BEGINNER'S GREEK. Offered for persons who are studying Greek for the first time or for those whose preparation is not adequate for entering a more advanced class in Greek. Designed to give the fundamentals necessary to the study of the Greek New Testament. Sophomore standing or special permission is required. Every fall — 4 hours

GRK 284. BEGINNER'S GREEK. A continuation of GRK 274. A study of 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: GRK 274 or equivalent. Every spring — 4 hours
REL 323. CHRISTIAN DRAMA, DIRECTING AND PERFORMING. See SPRING 1981

REL 244. CHURCH ADMINISTRATION: A study of the administration of the church organization between churches. 2 hours

REL 214. A SURVEY OF RELIGIOUS EDUCATION. An introduction and survey

REL 113. CHURCH GROWTH AND DEVELOPMENT. This course is designed for major/minor students in Religion

GREEK

GERK 393. ADVANCED GREEK GRAMMAR. A continuation of GERK 373. This course requires formal instruction in Greek and a thorough knowledge of the ancient Greek language. 3 hours
REL 333. PSYCHOLOGY IN RELIGION. (Also PSY 333.) Designed to help
the student understand and relate to the mental processes involved in individual
religious experience and in group dynamics, with particular reference to religious
motivation, integration of personality, guilt feelings, conversion, prayer, worship,
and principles of leadership. Spring, 1982, and alternate years — 3 hours

REL 353. CHURCH HISTORY. See HIS 353.

REL 363. AUDIO-VISUAL MATERIALS AND METHODS. See EDU 363.

REL 373. PASTORAL WORK. A study of the philosophy and practice of pastoral
work, including a study of the pastor's call, his leadership role in the church, his
personal character, health and preparation, pastoral care, preaching, counseling,
leadership in worship, and administration of church affairs.
Fall, 1981, and alternate years — 3 hours

REL 383. HOMILETICS. Principles and practice of preaching, types of sermons,
principles and procedure of sermon preparation. Students will prepare several ser-
mons during the semester. Prerequisite: BIB 113 and 123.
Fall, 1980, and alternate years — 3 hours

REL 463. WORLD RELIGIONS. (Also PHI 463.) A study of the major religions
of the world, both ancient and contemporary, with emphases upon primitive reli-
gions, Hinduism, Buddhism, Taoism, Confucianism, Shintoism, Zoroastrianism
Islam, and Judaism.
On demand — 3 hours

PHILOSOPHY

PHI 213. INTRODUCTION TO PHILOSOPHY. A survey of the types of phi-
losophy, the basic problems which man has faced, and the philosophic attempts to
solve these problems.
Every spring — 3 hours

PHI 463. WORLD RELIGIONS. See REL 463 (above).

CENTER FOR BIBLICAL STUDIES

The Department of Religion has established a Center for Biblical Studies in or-
der to enlist more students in the study of Bible and religion and as a service to the
community.
A certificate will be awarded upon completion of 12 hours and an advanced course program, only during a regular Fall or Spring semester.

Under this program a person not enrolled in any other college may take up to

Department of Religion
ROTC

Through an agreement with Arizona State University, Grand Canyon College offers a four-year program of Air Force and Army ROTC. Students register for the classes at Grand Canyon College and take the courses at Arizona State University. Army ROTC students may also take any of the first two years of classes at one of the community college campuses.

The goal of this professional education is to provide the foundation of military knowledge and skills needed by the junior officers of the military service. Students may take ROTC credit in Aerospace Studies or Army Military Science.

AEROSPACE STUDIES
(Air Force ROTC)

Purpose. The Aerospace Studies curriculum consists of the General Military Course for freshmen and sophomores and the Professional Officer Course for juniors and seniors. Upon graduation, each student who satisfactorily completes the Professional Officer Course and Baccalaureate degree requirements will receive a commission as a Second Lieutenant in the Air Force Reserve.

General Qualifications. A man or woman entering AFROTC must (1) be a citizen of the United States (noncitizens may enroll, but they must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for scholarship appointment or admittance to the Professional Officer Course. If designated for flying training, one must be able to complete all commissioning requirements prior to age 26½; in other categories one must be able to complete all commissioning requirements prior to age 30.

Four-Year Program. A formal application is not required for students entering the Four-Year Program. A student may register for the program at the same time and in the same manner as other courses. During their first two years, students enroll in the General Military Course (GMC) normally taking one Aerospace Studies course each semester. They may then compete for entry into the Professional Officer Course (POC), which is normally taken during the last two years of college. GMC students not on AFROTC scholarship incur no military obligation. They receive 2.0 semester hours of credit for each AES 100 and 200 class completed. The classes consist of one hour of academic instruction and one hour of Leadership Laboratory a week. Selection for the POC is based on a system that uses several factors to determine a student's officer potential. This includes an Air Force aptitude test, a physical examination, and an interview board. Those students accepted into the POC attend a four-week summer field training encampment normally between their sophomore and junior years. Students enrolled in the POC (AES 300 and 400 classes) receive 3.0 semester hours of credit for each course.
Male and female students enrolled in AFROTC at Grand Canyon College (GCC) may also enroll in the Air Force ROTC program. This program is designed to provide students with a college education while also preparing them for a career in the military.

To be eligible for the Air Force ROTC program, students must be enrolled in GCC and meet the following requirements:

1. Complete the Professional Officer Course (POC) with a minimum GPA of 2.0.
2. Complete the six-week field training course.
3. Pass the Air Force Officer Qualifying Test (AOFT).
4. Meet all other academic requirements.

Students who successfully complete the POC are commissioned as a 2nd Lieutenant upon graduation. This commission allows them to serve in the United States Air Force and continue their education at a military academy or university.

The Air Force ROTC program at GCC provides students with a unique opportunity to combine their education with their military service, preparing them for a successful career in the military.
academic grades, score achieved on the Air Force Officer Qualifying Test, and physical fitness. A board of officers considers an applicant's personality, character, and leadership potential.

MILITARY SCIENCE
(Army ROTC)

Purpose. The goal of this professional education is to prepare selected students with leadership potential to be commissioned as Army officers in the active Army, Army National Guard, and U.S. Army Reserve. Specific objectives include providing students an understanding of the nature and operations of the U.S. Army; developing the leadership and managerial potential of the students; developing students' abilities to think creatively, to speak and write effectively; and to provide the student with an appreciation of the requirements for national security. Upon graduating from the college each student who has successfully completed the Advanced Course will receive a commission in the United States Army Reserve.

Appointments as Second Lieutenants in the Regular Army are available to outstanding students who desire a career in the military service.

General Qualifications. A male or female student entering Army ROTC must (1) be a citizen of the United States (noncitizens may enroll but must obtain citizenship prior to commissioning); (2) be of sound physical condition; (3) be at least 17 years of age for entrance into the Advanced Course and be able to complete all commissioning requirements prior to age 32. Students with prior active military service or previous high school ROTC may be given credit for all or a part of the first two years of the program.

Qualifications for Admittance to the Advanced Course. (1) Successful completion of the first two years of the program, or equivalent credit (prior military service, high school ROTC, etc.). (2) Passing of the ROTC Qualifying Examination. (3) Passing the Army physical examination. (4) Attainment of a minimum cumulative grade point average of 2.0 ("C") for the first two years of college work and maintenance of that minimum during the period while enrolled in the Advanced Course.

Four-Year Program. Students normally enroll in Army ROTC during their freshman year. They take the Basic Course during the first two years, receiving a total of 8 semester hours credit for the four semesters of study. Upon satisfying the requirements stated above, they enter the Advanced Course where they will earn 10 semester hours of credit for the four semesters of study. In addition, students will attend a five-week advanced summer camp at an Army post between their third
AEROSPACE STUDIES

Available to outstanding students who desire to earn a degree in aerospace engineering.

2 hours

Practical Application Lab.

2 hours

Practical Application Lab.

2 hours

Mission, doctrine, offensive and defensive forces. One lecture, 1 hour leadership

AES 102, AEROSPACE STUDIES. Background on strategic missile defense forces,

AES 101, AEROSPACE STUDIES. Introduction to U.S. Air Force organization,

AEROSPACE STUDIES

Available to outstanding students who desire to earn a degree in aerospace engineering.

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Mission, doctrine, offensive and defensive forces. One lecture, 1 hour leadership

AES 102, AEROSPACE STUDIES. Background on strategic missile defense forces,

AES 101, AEROSPACE STUDIES. Introduction to U.S. Air Force organization,

I. Developing an Effective Leader

The character of the leader is an important factor in the success of any organization. A leader must be able to motivate and inspire their team to achieve common goals. Leaders must be able to communicate effectively and make difficult decisions. They must also be able to adapt to changing situations and remain calm under pressure. Effective leaders are respected by their team and are able to build strong relationships with their colleagues. They are also able to delegate tasks and responsibilities to their team members, allowing them to work together to achieve their goals. In conclusion, effective leaders are essential to the success of any organization. They must be able to motivate, inspire, communicate, make decisions, adapt, and delegate. Without these qualities, a leader will not be able to effectively lead their team to success. Therefore, it is important to develop these qualities in yourself and encourage them in others. 

II. Designing a Successful Program

Designing a successful program requires careful planning and attention to detail. The program must be designed with the needs and goals of the students in mind. It should be flexible enough to accommodate different learning styles and abilities. The curriculum should be challenging but achievable, and it should provide opportunities for students to apply what they have learned in real-world situations. The program should also include regular assessments and feedback to help students track their progress and identify areas for improvement. Finally, the program should be supported by adequate resources, including qualified staff, equipment, and funding. In conclusion, designing a successful program requires careful planning, attention to detail, and a commitment to student needs and goals. With these elements in place, a program can be designed that will help students achieve their goals and prepare them for success in their future careers.

III. Developing a Effective Leadership Skills

Effective leadership skills are essential for success in any organization. Leaders must be able to inspire and motivate their team to achieve common goals. They must also be able to communicate effectively, make decisions, and adapt to changing situations. In addition, successful leaders must be able to delegate tasks and responsibilities to their team members, allowing them to work together to achieve their goals. In conclusion, effective leadership skills are essential for success in any organization. They require the ability to inspire, communicate, make decisions, adapt, and delegate. With these skills in place, leaders can help their team achieve success and reach their goals.
AES 201. AEROSPACE STUDIES. Historical survey of events, trends, and policies leading to the emergence of air power through WW II. One lecture, 1 hour Leadership Practical Application Lab.  

AES 202. AEROSPACE STUDIES. Development of aerospace power from WW II to the present emphasizing the impact of limited war and technology on roles and missions. One lecture, 1 hour Leadership Practical Application Lab.  

AES 301. AEROSPACE STUDIES. An integrated management course emphasizing the individual as a manager in an Air Force milieu. The individual motivational and behavioral processes, leadership, communication, and group dynamics are covered to provide a foundation for the development of the junior officer's professional skills as an Air Force officer. Three lectures, 1 hour Leadership Practical Application Lab.  

AES 302. AEROSPACE STUDIES. Integrated management course emphasizing the individual as a manager in an Air Force milieu. Organizational and personal values, management of forces in change, organizational power, politics, managerial strategy and tactics, Military justice and administrative processes are discussed within the context of the military organization. Three lectures, 1 hour Leadership Practical Application Lab.  

AES 401. AEROSPACE STUDIES. Armed Forces as a technical element of society, with emphasis on the broad range of American civil-military relations; principles and techniques of communicative skills, the political, economic, and social constraints on the national defense structure. Three lecture, 1 hour Leadership Practical Application Lab.  

AES 402. AEROSPACE STUDIES. Formulation and implementation of U.S. defense policies; impact of technological and international developments on strategic preparedness in the overall defense policy-making processes. Three lectures, 1 hour Leadership Practical Application Lab.  

AES 403. FLIGHT INSTRUCTION. Non-credit. Limited to senior cadets who are selected as pilot candidates.  

MILITARY SCIENCE  

MIS 101. INTRODUCTION TO MILITARY SCIENCE. Organization and mission of the Army; the military and American society; introduction to military leadership theory; situational/contingency approach to basic problems in small unit leadership. Two lecture-conferences.
MIS 401. ADVANCED MILITARY SCIENCE. The military legal system: Colonel, JAG; 2 hours.

MIS 402. ADVANCED MILITARY SCIENCE. Army; organization of the special and general staff; preparation for applied leader- ship; command and staff operations; preparation for applied leader- ship; roles of the branches of the Army; Pre-requisite: MIS 301, 3 hours.

MIS 301. LEADERSHIP. Pre-courses: CON 401, 3 hours.

MIS 201. LEADERSHIP. Pre-courses: MIS 201, 202, 2 hours.


MIS 101. METHODS OF INSTRUCTION. Learning theories and principles of educational instruction, development of instructor knowledge, skills, and attitudes. Instruc- tional methods. Pre-courses: MIS 200, 2 hours.

MIS 102. LEADERSHIP. Pre-courses: MIS 101, 2 hours.
# BOARD OF TRUSTEES 1979-80

## Three-Year Term Expiring 1982

<table>
<thead>
<tr>
<th>Name</th>
<th>Home</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rev. Dennis Daniel, P. O. Box 327, Buckeye, 85326</td>
<td>386-2904</td>
<td>386-5614</td>
</tr>
<tr>
<td>Mr. Don Eshelman, 6531 E. Vernon Ave., Scottsdale, 85257</td>
<td>949-1407</td>
<td>955-1544</td>
</tr>
<tr>
<td>Dr. Fred Heiserman, 441 E. Canyon View, Tucson, 85704</td>
<td>888-1491</td>
<td>887-0510</td>
</tr>
<tr>
<td>Rev. James McGinlay, 8802 N. 19 Ave., Phoenix, 85021</td>
<td>937-7725</td>
<td>944-3306</td>
</tr>
<tr>
<td>Dr. Wayne North, 1825 N. Alvernon Way, Tucson, 85712</td>
<td>327-1632</td>
<td>323-9379</td>
</tr>
<tr>
<td>Dr. E. Harlin Staires, 781 University Heights Dr., S., Flagstaff, 86001</td>
<td>774-2817</td>
<td>523-3151</td>
</tr>
<tr>
<td>Dr. Archie Stephens, P. O. Box 5393 AFS, Prescott, 86312</td>
<td>772-8977</td>
<td>772-9200</td>
</tr>
<tr>
<td>Mr. Ron Truitt, 4825 West Vogel, Glendale, 85302</td>
<td>931-0479</td>
<td>248-7105</td>
</tr>
<tr>
<td>Mr. Vernon Walker, Sr., Box 714, Lakeside, 85929</td>
<td>537-4894</td>
<td>537-4894</td>
</tr>
<tr>
<td>Mr. Rob R. Whiteaker, 7501 North 9 Place, Phoenix, 85020</td>
<td>943-1762</td>
<td>263-5757</td>
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## Two-Year Term Expiring 1981

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<tbody>
<tr>
<td>Rev. Steve Dale, 1338 W. Naranja, Mesa, 85202</td>
<td>838-8719</td>
<td>839-5807</td>
</tr>
<tr>
<td>Dr. Jim Harvey, 7149 N. 58 Ave., Glendale, 85301</td>
<td>937-8629</td>
<td>937-9216</td>
</tr>
<tr>
<td>Mr. Tom Holland, P. O. Box 5150, Yuma, 85364</td>
<td>782-5593</td>
<td>782-1889</td>
</tr>
<tr>
<td>Mr. Darrel Lewis, 830 W. Ray Road, Chandler, 85222</td>
<td>899-1402</td>
<td>963-3439</td>
</tr>
<tr>
<td>Dr. John Misenheimer, 119 Arrowhead Dr., Prescott, 86301</td>
<td>445-5152</td>
<td>445-3181</td>
</tr>
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</table>
Phoenix, 85201
400 West Camelback Road,
Arizona Southern Baptist Convention
Dr. Jack Johnson, Executive Director-Treasurer
Ex-Officio

Scentre Vista, 56535
Mr. Lloyd Vaughan, 1922 Windsor Drive,
Scotia, NY 12156

Mr. Burton Tingley, P.O. Box 36,
Phoenix, 85202

Mrs. Reo Spiller, 142 W. Rankin,
Phoenix, 85203

Mr. Henry O'Keefe, E. Court,
Cleveland, 83204

AC: Fred North, 11611 N. 31 Ave,
Buckeye, 85326

Mrs. Beverly Mckee, Box 668,
Tucson, 85716

Mr. Tommy Harpe, 303 E. Hardy Pl,
Sun City, 85351

Mrs. Madee Dryden, 9901 Timberrline Dr,
Payson, 85541

Mr. L. E. Sibert, 9921 E. Willcox,
One-Year Term Expanding 1980

Tempe, 85281

AC: Harry Satter, 1300 S. Mill Ave.
Paradise Valley, 85223

Mr. Doug Powell, 3801 E. Solano Dr.,
Scottsdale, 85255

Mrs. Mark Prais, 2182 Santa Rita,

Mesa, 85204

Mr. Maurice Reid, 916 S. Hobsom,
San Manuel, 85631

Dr. John Parks, P.O. Box 56,

Administration and Personal
Dr. Wendell Freeze, President
Arizona Southern Baptist Convention
501 South 9 Avenue
Yuma, 85634 783-3767

Faculty Representative
Dr. Larry Olson, P. O. Box 11097,
Phoenix, 85061 973-2590 249-3300

Student Representative
Mr. Robin Baker, 4375 West Missouri, Sp. 57,
Glendale, 85301 939-2798

ADMINISTRATIVE OFFICERS

B.S., Grand Canyon College
M.A. in Ed., Arizona State University
M.A., University of Illinois
Ed.D., Arizona State University
Additional Graduate Study, Arizona State University,
Utah State University

Dillard Whitis, B. A. M.R.E., Ph.D. (1968) .................. Executive Vice President
B.A., Baylor University
M.R.E., Southwestern Baptist Theological Seminary
Ph.D., Arizona State University

Paul Barnes, B.A., M.R.E. (1971) .................. Senior Vice President for Institutional Advancement
B.A., Grand Canyon College
M.R.E., Southwestern Baptist Theological Seminary
Additional Graduate Study, Arizona State University

ADMINISTRATIVE STAFF

Carl G. Paetz (1979) .................. Vice President for Development
B.S., Iowa State University
M.A., University of Iowa
Ed.D., University of Oregon

Arthur K. Tyson, B.A., M.A., LL.D. .................. Special Assistant to the President
B.A., Baylor University
M.A., Southern Methodist University
LL.D., East Texas Baptist College
Additional Graduate Study, Louisiana State University
SERVICE STAFF

Director of Physical Plant

Terry Miller, B.A., M.S.

Director of Financial Aid

Joseph A. Marcolino, B.A., M.S.

Assistant Director of Financial Aid and Director of Placement and Admissions

D. Harris, B.A., M.B.A.

Director of Computer Services

Frank Anderson, B.S.

Assistant Director of Admissions

Sam Norris, B.A. (1977)

Director of Libraries

David Rhea, Jr., B.A., M.S., M.D.

Registrar

Mrs. Linda Brown, B.S.

Athletic Director

Bill East (1979)

Dean of Students

Mike Bird (1979)

Business Manager

Jon Brown, B.S. (1979)
Mrs. Mary Carroll, B.A. .................................................. Assistant in Libr.
B.A., Grand Canyon College

Mr. Donald E. Caruso .......................................................... Maintenance Worker

Mr. George Caruso ............................................................... Custodian

MRS. DAnell Conway, B.S. .................................................. Secretary to Dean for Students
B.S., Grand Canyon College

Mr. Lee Cook .............................................................. Director, Buildings & Grounds

Charles M. Cooke, M.D. (1952) .......................................... College Physician
B.S., University of Arizona
M.D., University of Utah

Mrs. Betty Endsley .......................................................... Secretary to Executive Vice President

Mrs. Clara Gilmore, B.S. .................................................. College Nurse
B.S., Grand Canyon College

Mrs. Carol K. Greenwalt ............................................ Credit & Collections Coordinator

Mrs. Ann Grimm, B.S., M.A. ............................................ Assistant Librarian
B.S., Grand Canyon College
M.A., Arizona State University

Miss Kelly Hedgpeth ................................................... Secretary to Director of Financial Aid

Mr. Loyd Hester .......................................................... Accounta

Mrs. Pamela Hill, B.A. .................................................. Secretary to Business Manager
B.A., Grand Canyon College

Mrs. Jo Hodges .......................................................... Periodicals Librarian

Miss Lori Holliday .......................................................... Budget Control Clerk

Mrs. Dianne E. Houghton, B.S. .......................................... Chief Accountant
B.S., Arizona State University

Miss Sharon McDonald .................................................. Assistant in Development

Mrs. Jan Landgren .......................................................... Administrative Assistant, Office of Dean of Students

Mrs. Sharon Langley .................................................. Secretary, Typesetter, Office of News Services & Publications

Mrs. Ruth Laughman .................................................. Director, Men's Dormitory

Mr. Eldon Lawyer, B.S. .................................................. Field Representative for Admission
B.S., Oral Roberts University
FACULTY


B.S., Grand Canyon College
M.A. in Ed., Arizona State University
M.A., University of Illinois
E.D., Arizona State University
Additional Graduate Study, Arizona State University, Utah State University

Dillard Whitis, B.A., M.R.E., Ph.D. (1968) ......................... Professor of Education

B.A., Baylor University
M.R.E., Southwestern Baptist Theological Seminary
Ph.D., Arizona State University

Gary Neil Adkins, B.A., M.A., M.F.A. .................................................. Art

B.A., Berea College
M.A., M.F.A., East Tennessee State University

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

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

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

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

Ralph Terry Bryan, B.S., M.A., Ph.D. (1959) ....................... Professor of English;
Chairman of Department of Humanities

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

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

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

Raymond Alvin Conely, B.B.A., M.B.A., D.B.A. (1979) ....... Professor of Business and Economics; Chairman of Department of Business and Economics

B.B.A., Texas Tech University
M.B.A., Texas Tech University
D.B.A., Arizona State University
Director Teacher Training

Darin Chalmers, Department of Education & Psychology
P. F., M. A., P. D. (1979)
Associates Professor of Education

B.S., University of Oklahoma
B.A., Wayne State University
B.A., Central Missouri State University
B.A., Central Missouri State University

B.S., University of Colorado
M.A., University of Arizona
M.A., Central Missouri State University

Instructor in Mathematics

B.A., Southwestern College

Chairman of Department of Music

Macon Delavan

Chairman of Department of Religion

Dance, B.A., B.D., Th.D. (1972)

Chairman of Center for Biblical Studies

J. D., Th.D., University of Texas at Austin

M.A., University of Chicago

Professor of Religion

B.A., University of Oklahoma

M.A., University of Arizona

M.A. in Education, Northern Arizona University

B.A. in Religion, Northern Arizona University

Associate Professor of Education

Chairman of Department of History and Social Sciences

B.A., Grand Canyon College
M.A., Arizona State University
M.Div., Midwestern Baptist Theological Seminary
Additional Graduate Study, Arizona State University, University of Arkansas

R. L. (Rob) Jones, B.A., M.A., Ph.D. (1975) .. Associate Professor of Business and Economics; Director of Center for Business Studies

B.A., University of Arizona
M.A., and Ph.D., Arizona State University

Harry D. Kent, B.B.A., M.B.E. (1955) .............. Associate Professor of Business

B.B.A., Baylor University
M.B.E., North Texas State University
Additional Graduate Study, Southern Methodist University, Arizona State University

Thomas Jesse King, B.S., M.S., Ph.D. (1975) .......... Associate Professor of Science

B.S., M.S., Ph.D., University of Southern Mississippi


B.A., Mississippi College
M.A., University of Colorado
M.A., University of Denver
Ph.D., Purdue University
Additional Graduate Study, University of Virginia

J. Benjamin Lindsey, B.S., M.S. (1965) .............. Associate Professor of Health and Physical Education; Basketball Coach

B.S., Grand Canyon College
M.S., Arizona State University
Additional Graduate Study, Arizona State University


B.A., Wake Forest College
Th.M., M.R.E., Southwestern Baptist Theological Seminary
Th.D., New Orleans Baptist Theological Seminary

Kenneth Merrifield, B.A., B.D., M.A. (1968) ............... Associate Professor of Behavioral Science

B.A., Ottawa University
B.D., Central Baptist Seminary
M.A., Arizona State University
Michael Shevey, B.S., M.S., Ph.D. (1979) Associate Professor of Mathematics

Robert B. M.W. (1979) Assistant Professor of Music

J. Niles Pierce, B.A., M.M., Ph.D. (1949) Professor of Religion

Ronald Phillips, B.M., M.M. (1965) Associate Professor of Music

Paul Pate, B.M., M.M., Ph.D. (1971) Professor of Music

Larry Wood Olson, B.S., Ph.D. (1979) Associate Professor of Science


Eddie Morris, B.S., M.A., Ph.D. (1970) Professor of Science

Robert L. Miller, B.F.A., M.A. (1977) Assistant Professor of Speech and Drama
Paul A. Youngs, B.A., B.D., Th.M., M.Nat.Sci. (1956) ............ Associate Professor of Science

B.A., University of Corpus Christi
B.D., Th.M., Southern Baptist Theological Seminary
M.Nat.Sci., Arizona State University
Additional Graduate Study, Texas A. & M. University,
University of California at Davis, George Peabody College, Arizona State University, Southern Utah State College

Mary S. Zumot, B.A., M.A. (1976) ..................... Assistant Professor of History and Social Sciences

B.A., Baylor University
M.A., Southern Methodist University
Doctoral Candidate, Arizona State University

**ADJUNCT FACULTY — Fall 1979**

John Adamscky, B.S., M.B.A. .................................................. Natural Sciences

B.S., Arizona State University
M.B.A., California University
Additional Graduate Study, San Diego State University, University of Nebraska, California State University

Charlene Auten, B.A., M.A. .................................................. English

B.A., Grand Canyon College
M.A., Arizona State University

Kaye Dillon, B.S., M.A. .................................................. English

B.S., Grand Canyon College
M.A., Arizona State University

Jenny Estes, B.M.Ed., M.M.Ed. .................................................. Music

B.M.Ed., North Texas State University
M.M.Ed., George Peabody College

Jamie Everett, B.A., M.A. .................................................. Education

B.A., Arizona State University
M.A., Arizona State University

Elmer Felton, B.S., M.A., M.S. .................................................. Education

B.S., Ohio State University
M.A., Ohio State University
M.S., Arizona State University

Charles F. Fields, B.S., M.A. .................................................. Education

B.S., Grand Canyon College
M.A., Arizona State University
Wade Oliver, B.A., M.A., Ed.D. .................................................... Education
B.A., M.A., Ed.D., Arizona State University

Shirli Overton, B.A. .................................................... English
B.A., Grand Canyon College
Graduate Study, Arizona State University

Hugo A. Peart, B.S., M.S.W. .................................................... Sociology
B.S., Grand Canyon College
M.S.W., Arizona State University

Helen Przypek, B.M., M.A. .................................................... Music
B.M., Boston University
M.A., New England Conservatory

Mavis Pust, B.A. .................................................... Spanish
B.A., Grand Canyon College
Graduate Study, Arizona State University

Jim Richards, B.S., B.D. .................................................... Religion
B.S., Grand Canyon College
B. of Divinity, Southwestern Theological Seminary

Sida Roberts, TWSIC, M.C.M. .................................................... Music
TWSIC, Sorbonne, Paris
M.C.M., Southern Baptist Seminary

John Shimek, A.A., B.S. .................................................... Physical Education
A.A., Phoenix College
B.S., Grand Canyon College
Additional Study: Pepperdine, Azusa Pacific, and Grand Canyon College

Jeanne Siebenman, B.A., M.A. .................................................... Education
B.A., M.A., Arizona State University

C. J. Smith, Jr., B.A., C.P.A. .................................................... Drama
B.A., Vanderbilt University
C.P.A.

Olivia A. Templeton, B.S., M.S. .................................................... Physical Education
B.S., Grand Canyon College
M.S., Arizona State University

Tracy Williams, B.S. .................................................... Music
B.S., Grand Canyon College
ACADEMIC

Title IX Coordinator: Mr. Harris

Dr. Olsen, Dr. Whitis, Mrs. Stensrud, Mr. Thompson, Rick Landquist
Trustee for Admissions: Dr. Whitis

Barnes, Dr. Bryan, Mr. Howerton, Dr. Jones, Dr. Whitis
Planning and Development: Dr. Whitis, Chairmain; Dr. Peter, Coordinator

Administrative Officer: Dr. Whitis, Dr. Olsen, Dr. Whitis

Committee on Committees: Dr. Whitis, Mr. Howerton, Dr. Olsen, Dr. Whitis

Frederick Whitaker

Chapel: Mr. Miller, Mr. Martin, Dr. Whitis, Randy Barty, Melody Ketch Baker, Dana Rogers

Library: Dr. Olsen (Faculty Representative), Dr. Olsen, Dr. Horan, Mr. Martin

Dance: Dr. Olsen, Dr. Whitis

Administrative Assistant: Dr. Whitis, Mr. Barnes, Dr. Bryan, Mrs. Davis, Dr. Whitis

ADMINISTRATIVE

The first named member is chairman unless otherwise specified.

1979-80

FACULTY COMMITTEES

Advisement Committee

Humanities

Advisement and Promotion

Betty Younes, B.A., M.A.

Educational Studies, Columbia University, Teachers College

M.A., Arizona State University

B.A. George Peabody College
Graduation: Dr. Martin (faculty marshal)

Honors Program: Dr. Olson, Dr. Hoffman, Dr. Shew, David Pugh

Library: Dr. King, Dr. Creekmur, Dr. Jones, Dr. Krout, Mr. Rhew

Teacher Education: Dr. Horn, Mr. Claxton, Mrs. Hintze, Dr. Hoffman, Dr. King, Dr. Paige, Ruth Ballard

STUDENT AFFAIRS

Dean of Students Advisory: Mr. Baird, Dr. Dane, Dr. Horn, Dr. Morris, Robin Baker, Mike Titsworth

Student Government Advisors: Mr. Baird

FACULTY

Academic Privilege and Tenure: Dr. Bryan, Mrs. Davis, Mr. Lindsey, Dr. Morris, Mr. Phillips

Faculty Affairs: Dr. Olson, Dr. Bryan, Mr. Howerton

Faculty Development: Dr. Krout, Dr. M. Brazell, Dr. Paige, Miss Zumot, Dr. Whitistis

Tenure and Academic Promotion: Mr. Merrifield, Dr. M. Brazell, Dr. Delavan
<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
</tr>
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<tbody>
<tr>
<td>Steve Atkinson</td>
<td>Fremont, Ohio</td>
</tr>
<tr>
<td>Barbara Sue Babcock</td>
<td>Phoenix, Arizona</td>
</tr>
<tr>
<td>Donald L. Baker</td>
<td>Winslow, Arizona</td>
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<tr>
<td>Marvin L. Bear</td>
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<td>Carla Rumpf Besco</td>
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<td>James Allen Bompamp</td>
<td>Winslow, Arizona</td>
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<td>Richard John Bowby</td>
<td>Garwood, New Jersey</td>
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<td>Pamela Kay Bracken</td>
<td>Taft, California</td>
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<tr>
<td>Roger D. Bradford</td>
<td>West Plains, Missouri</td>
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<td>Pamela Joy Brannon</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>James Robert Brown</td>
<td>Brooklyn, New York</td>
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<tr>
<td>Karen Ann Brown</td>
<td>Phoenix, Arizona</td>
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<td>Ruth Ann Brown</td>
<td>Phoenix, Arizona</td>
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<td>Wilson Robert Brunson Jr.</td>
<td>Grand River, Ohio</td>
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<td>Dennis J. Butler</td>
<td>Phoenix, Arizona</td>
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<td>Cheryl Lynn Clark</td>
<td>Yuma, Arizona</td>
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<td>Dana Marie Clons</td>
<td>Safford, Arizona</td>
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<tr>
<td>Jackson Fox Clower</td>
<td>Los Angeles, California</td>
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<tr>
<td>Paul David Cox</td>
<td>Phoenix, Arizona</td>
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<td>Albert Nathan Davis</td>
<td>Casa Grande, Arizona</td>
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<td>Margaret Ruth Diaz</td>
<td>Phoenix, Arizona</td>
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<td>Anthony De Arros</td>
<td>Claypool, Arizona</td>
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<tr>
<td>Doyle Dilley</td>
<td>Yakima, Washington</td>
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<tr>
<td>Michael Dursl</td>
<td>Rapid City, South Dakota</td>
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<tr>
<td>Marsha Lynn Prentice Felter</td>
<td>Lake Havasu, Az</td>
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<tr>
<td>Tim L. Files</td>
<td>Phoenix, Arizona</td>
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<td>Frederick Mons Feste</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Russell Dee Fletcher</td>
<td>Bisbee, Arizona</td>
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<tr>
<td>Weldon L. French</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Jennie Lee Zumwalt Garner</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Howard Stuart Goldman</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Karen M. Gowens</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Patrick M. Gribble</td>
<td>Bisbee, Arizona</td>
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<tr>
<td>Debra Kim Hall</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>June E. Hamilton</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Wayne Harrison</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>James Dennis Hart</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>James Mark Harvey</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Frederick Dale Hintze</td>
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<tr>
<td>Rebecca Holbrook</td>
<td>Phoenix, Arizona</td>
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<td>Philip David Hunt</td>
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<tr>
<td>Ralph Vernon Hunter</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Roger Sargent Johnson</td>
<td>Lansing, Michigan</td>
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<td>Royzen Jordan</td>
<td>Phoenix, Arizona</td>
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<td>Seven Earl Kaufman</td>
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<tr>
<td>Melody Joy Kelly</td>
<td>Farmington, New Mexico</td>
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<td>Michael John Kelly</td>
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<tr>
<td>Paul Francis Kinnison</td>
<td>Laramie, Wyoming</td>
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<tr>
<td>Teri Lee Knouson</td>
<td>Phoenix, Arizona</td>
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<td>Roger William Krull</td>
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<td>Timothy Mark Linoue</td>
<td>Las Vegas, Nevada</td>
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<tr>
<td>Marla Marie Lianetz</td>
<td>Peoria, Arizona</td>
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<td>Ronald Gene Lloyd</td>
<td>Phoenix, Arizona</td>
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<tr>
<td>Dale L. Mangum</td>
<td>Grants Pass, Oregon</td>
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<td>Robert S. Matock</td>
<td>Scottsdale, Arizona</td>
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<td>Thomas Glenn McFarland</td>
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<td>David Paul McThompson</td>
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<td>Cedric Jacob Messner</td>
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<td>Patrick K. Middleton</td>
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<td>Audrey Elizabeth Miller</td>
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<td>Janice Lee Monroe</td>
<td>Yuma, Arizona</td>
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<td>Gayle Newhall</td>
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<td>Don C. Pair</td>
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<tr>
<td>Matthew Palenica</td>
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<td>Ronald E. Pattrik</td>
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<td>Judith H. Patterson</td>
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<td>George W. Peaden</td>
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<td>Roger Dale Pike</td>
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<td>Frank Ramirez</td>
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<td>Laurie James Rascon</td>
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<tr>
<td>George Gary Roberts</td>
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<td>John E. Rose</td>
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<tr>
<td>Albert Francis Scherba</td>
<td>Phoenix, Arizona</td>
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<td>J. Steve Sheldon</td>
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<td>Ross J. Shepherd</td>
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<td>Joan Beth Shortreed</td>
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<td>Linda Louise Simmons</td>
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<td>Cynthia Lee Slack</td>
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<td>Rebecca Lynn Snyder</td>
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<td>George R. Stevens</td>
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<td>Laura Parisi Thomas</td>
<td>Phoenix, Arizona</td>
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<td>Cherry Lee Turnage</td>
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<td>Roger Kenneth Warner</td>
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<td>Cheryl Dee Leighton Wessel</td>
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<tr>
<td>Jackie C. Wheeler, Jr.</td>
<td>Phoenix, Arizona</td>
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<td>George G. Wilson</td>
<td>Phoenix, Arizona</td>
</tr>
<tr>
<td>Eugene Edward Worley</td>
<td>Phoenix, Arizona</td>
</tr>
</tbody>
</table>
BACHELOR OF SCIENCE

Student Statistics

229
BACHELOR OF GENERAL STUDIES
Phoenix, Arizona

CANDIDATES FOR DEGREES
May 26, 1979
BACHELOR OF ARTS

Denis Ray Anderson
Linda Carol Ann Barrie
Terri Hamblin Baugh
Richard P. Beier
James Byron Blackman
Jenny Harris Blomeyer
Ronald Bodlander
Donna L. Booth
Roger D. Bradford
Ronald Lee Branstier
Gerald Clyde Burgess
John O'Neill Casement
Richard Christenson
Jack M. Cozort
Joe W. Curtis
Glen B. Delander
Dorance Jerome Dillon
Mark E. Dorris
James C. Farris, Jr.
Terry James Fischer
Efrain Figueroa Flores
Linda Daleyne Foster
Kenneth E. Garmon
Stephen Gose
Melanie Ann Graham
Michael E. Greiner
John Stephen Grubb
Charlie A.V. Guerrero
Delbert Henderson
John Edward Hernandez
Vernon D. Herstman
June P. Hilderbrand
Sharolyn A. Holman
Paul F. Hopson
Stephen Sidney Johnson
Jack Jones
Lawrence D. Lee
Ova Lowery
Bumiee Lytle
Neil Marshall Martin
Steven William May
Phoenix, Arizona
Los Angeles, California
Phoenix Arizona
Glendale, Arizona
Tucson, Arizona
Scottsdale, Arizona
Kings Park, New York
Glendale, Arizona
West Plains, Missouri
Phoenix, Arizona
Scottsdale, Arizona
Monterezuma Creek, Utah
Sacramento, California
Rawlings, Wyoming
Bethany, Oklahoma
Phoenix, Arizona
Tempe, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Kingville, Texas
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
West Plains, Missouri
Phoenix, Arizona
Phoenix, Arizona
Morenci, Arizona
Big Springs, Texas
Bagdad, Arizona
Glendale, Arizona
Lincoln, Nebraska
Phoenix, Arizona
Phoenix, Arizona
Glendale, Arizona
Phoenix, Arizona
Eloy, Arizona
Phoenix, Arizona
Tucson, Arizona
Flagstaff, Arizona

Bonnie Jean McColm
Timothy P. McLaughlin
James S. Middleton
Richard Daniel Miller
Michael Louis Minch
Mariana Mitchell
Susan Boy Morris
Samuel G. Norris
Cuthbert George Arendale Pantin
Kenneth Edward Parsons
James A. Perkins
John Franklin Phelps, Jr.
Rita Quay
Eugene Lewis Ramsey
William A. Reed
William R. Renn, Jr.
Gregory Michael Rhodes
David Henry Richards, Sr.
Ralph Leeland Saunders, Jr.
Raymond C. Schnabel
Alicia Seward
Michael Leonard John Slwek
Janet Helen Sizemore
Cynthia Dianne Spofford
Marie A. Stehler
William P. Stanewich, Jr.
Everett H. Stockton, Jr.
Rodger Allan Strader
Barry Kent Sweet
Gene E. Turk
Paul H. Vice
Terry Alan Waddell
Shon Allen Wagner
Rita P. Walters
Mark Allen Ward
Michael Wayne Weir
Charles S. Wesner
James Russell Winger
Dian Maxine Yates
Mack Moon Sim Yee
Phoenix, Arizona
San Jacinto, California
Phoenix, Arizona
Phoenix, Arizona
Mesa, Arizona
Bullwin, Missouri
Phoenix, Arizona
Socorro, New Mexico
Port-of-Spain, Trinidad, West Indies
Phoenix, Arizona
Vernon, Alabama
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Ato, New Jersey
Tuscaloosa, Alabama
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Ignacio, Colorado
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Pontiac, Michigan
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Gallup, New Mexico
Scottsdale, Arizona
Las Vegas, Nevada
Arizona City, Arizona
Phoenix, Arizona
Brea, California
Parker, Arizona
Somerton, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona

BACHELOR OF SCIENCE

Virginia L. Armbrecht
Kenneth John Backer
Richard Alan Bacon
James E. Baird
Charles Thomas Bakemeier
Timothy L. Barone
Phoenix, Arizona
Avondale, Arizona
Dallas, Texas
Glendale, Arizona
Phoenix, Arizona
Baker, Montana

Mark Steven Mathews
Lynn Michael Matthews
Mitzi G. McBride
James P. McChesney
Larry Lynn McDowell
Candace Leoda McGhee
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Phoenix, Arizona
Tucson, Arizona
### UNDuplicated Enrollment Statistics

**June 1, 1977—May 31, 1979**

#### States Represented in Student Body

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#### Students from Foreign Countries

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**RELIGIOUS AFFILIATION OF STUDENTS ENROLLED**

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**Student Statistics**

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**ENROLLMENT STATISTICS**
X. INDEX

Absences, chapel, 49
Class, 75
Academic Calendar, 6, 7
Academic regulations
   Change of courses, 72
   Classification of students, 68
   Course load, 71
   Grading system, 69
   Honor roll, 53
   Probation, 74
   Suspension, 73
   Transcript of credits, 26, 63
   Withdrawal, 29, 57, 70, 72
Accreditation of College, 13
Activities
   Eligibility for, 49
   Student organizations, 49
   Traditional events, 58
Administration and personnel, 212
   Board of Trustees, 212
   Administrative officers, 214
   Administrative staff, 214
   Faculty, 218
   Adjunct faculty, 222
Admission, 60 ff
   Academic eligibility for, 60
   Advanced placement, 61
   Application for, 62
   Entrance examinations, 62, 66
   From other colleges, 63, 64
   High school credit needed, 61
   High school rank, 60
   International students, 65
   Notification of, 62
   Prior to graduation from high school, 61
   Readmission, 65
   Registration, See Academic Calendar
   Requirements prior to, 62
   Special students, 60, 69
   To summer sessions, 16
   Transfer students, 63, 64
   Veterans, 13, 120
Adult Education, courses in, 115
   See also Training & Development
Advanced placement, 61
   Early admission to college, 61
Aid, see Financial Aid
Aims of the College, 11
Alumni Association, 21
Anthropology, 133
Application
   For admission, 60, 62
For employment, 31
For graduation, 82
For loans, see Financial Aid
For refund, 29
Applied Music
   See specific type, e.g., Piano
Apprentice teaching, see Student teaching
Art, 139 ff
Assistance, financial, see Financial Aid
Athletics
   Courses in, See Health & Physical Education
   Eligibility for participation in, 49, 55
   Gymnastium, 19
   Intercollegiate, 55
   Intramural, 54
   Medical examinations for, 57
   Organizations, 50
Attendance regulations
   Chapel, 49
   Class, 75
Auditing of Courses, 72, 77
   Fee, 24, 25, 30
   Privilege for honor students, 77
Awards, honors, recognitions, 52
Bachelor of Arts degree
   Choice of major, 80, 86
   Requirements for, 84, 86
Bachelor of General Studies degree, 87
Bachelor of Science degree
   Choice of major, 80, 87
   Requirements for, 84, 87. See also specific majors
Behavioral Science, Major in, 126
Bible
   Courses in, 197
   Major and minor in, 196, 197
   Required for graduation, 84
Biblical Studies, Center for, 200
Biology, 182, 184, 186
Board, see Fees
Board of Trustees, 212
Botany, 187
Brantner Memorial Library, 19
Breakage deposit, 25
Buildings
   Dining facilities, 18, 56, 57
   For health and physical education, 19
   For instruction, 18-20
   Library, 18
   Little Theatre, 20
Drugs, 47

Ecology, see Environmental Science courses
Economics, courses in, 96
Minor in, 94

Education and Psychology
Adult Education courses, 115
Art Education, 140, 144

Certification, teacher, 105
Courses in, 111 ff
Department of, 105
Elementary, 105, 108, 112
Health and Physical, 120
Music, 161, 165, 173
Programs, 105, 107-111
Secondary, 105, 107, 110, 115
Special, 105, 107, 109, 114
Teacher education curricula, 105 ff
Teacher placement, 32, 58

Educational tours, 34
Elective courses, 85
Elementary certificate, courses for, 108

Eligibility
For student activities, 49, 74
For student offices, 49, 74
For intercollegiate athletics, 55
Employment and Financial Aid, 31
See also Placement Service
Endowment, see Tribute Fund
Endowed scholarships, 39

English
Courses in, 149
Major and Minor in, 145-147
Proficiency requirements, 81, 106
Required for graduation, 84

Enrollment statistics, 232

Entrance to College, see Admission
Environment of College, 12, 17, 46 ff
Environmental Science, 183, 185, 189
Etherton Memorial Theatre, 20

Evening classes, 15, 24, 29

Examinations
English usage, 81
Entrance, 61, 62, 66
Late, 26, 75
Medical, 57, 65
See various departmental regulations

Expenses, see Fees
Extension credit, 75, 82
Extracurricular activities, 49-51

Facilities, Campus, see Buildings
Faculty, 13, 218
Committees, 223

Family Educational Rights and Privacy Act, 3

Fees (see also Financial Aid)
Application, 25
Board, 24, 25, 30
Breakage deposit, 25
Graduation, 26
Insurance, 26, 28

Miscellaneous, 26
Payment of, 24
Refunds of, 29
Room, 24, 25, 28, 30
Special class, 26
Tuition and, 24

Fellows, Department, 38
Fifth Year program, Teacher education, 111

Financial Aid
Employment, 31, 32
Loans, 32 ff
Scholarships and Tuition Grants, 37 ff
Financial Information, 24 ff
Food service, 56
Foreign languages, see Modern Languages
and Greek New Testament. Also, p. 82
Forensics Club, 50

General information, 11
General Science, 186
General Studies, Bachelor of, 87
General studies in degree programs, 84
Geography, courses in, 128
Geology, 189
German, courses in, 154
Governing body of the College, 12
Government, courses in, 128
Minor in, 128
Grade Index, 68, 69
Grade points, 68, 69
Grades required for admission, 60
Grades required for continuation, 73
Grading system, 69
Graduates (1978), 228
(1979), 230

Graduation
Application for, 82
Basic Requirements, 81
Choice of catalog, 80
Curricular requirements, 83
Eligibility to participate, 82
English proficiency requirement, 81
Fee, 26
Grade average required, 73, 81
In absentia, 82
 Majors and Minors, 85
Quality points required, 73, 81
Resident study required, 81
Upper division courses, 71, 81
With honors, 70

Grants, Tuition, see Financial Aid
Greek, New Testament, 198
Guidance, 58
Gymnasium, 19

Health
Certificate required, 63, 65
Health Center, 19
Service to students, 57
Personnel, 216
Health and Physical Education
Courses in, 121
Education
Physical examinations, 57, 65
Physics, courses in, 191
Piano, 161, 163, 165, 166, 168, 170, 176
Piano proficiency, 161
Placement Office, 32
Practice teaching, see Student teaching
Practicum courses, 76
Preprofessional training, 14, 181, 184
Presidents of the College, 17
Privacy Act, 3
Probation, 60, 74
Provisional admission, 60, 64, 74
Psychology, courses in, 116
Minor in, 116
In teacher training curricula, 107
Publications, College, 21
Student, 43, 54
Purposes of the College, 11

Quality points, 69, 70, 81

Radio, see Speech
Ray-Maben Scholars, 53
Reading, developmental, 111 (EDU 103, 113)
Reading and Conference courses, 77
Readmission, 65
Recitals, 159
Recognitions, Honors, Awards, 52, 70
Record library, 19
Refunds, 29
Registration, dates, 6, 7
Late registration fee, 26
Requirements prior to, 61-63

Regulations
Academic, 67
Student conduct, 47
Religion, Department of, 196
Courses in, 197
Major and minor in, 196
Religious Education, see courses in Religion
Remedial Courses, 111 (EDU 103, 113)
Repeating of courses, 73

Requirements
Course load, 71
For admission, 60 ff
For continuing as a student, 73
For early admission, 61
For graduation, 80
For Honors Study Program, 77
For teacher certification, 103-110
Minimum residence, 81
Reservations, room, see Room
Residence, place of, 56
Resident study required, 81
Room, also see Buildings
Assignments, 56
Deposit, 23
Fee, 24-25
Furnishings, 28
Guests, 28